

**DOCUMENTATION OF THE  
DETAIL NATALITY TAPE FILE FOR  
1999 DATA**

**SPECIAL NOTICE**

**EFFECTIVE WITH 1998 DATA THE COMMONWEALTH  
OF THE NORTHERN MARIANA ISLANDS RECORDS  
ARE INCLUDED IN THE TERRITORIES PUBLIC-USE  
FILE.**

## Public Use Data Tape Documentation - Natality Detail 1999 Data

This tape documentation was prepared in the Division of Vital Statistics. Manju Sharma of the Systems, Programming, and Statistical Resources Branch was responsible for developing the natality documentation and for providing all of the computer programming services necessary to keep it up-to-date.

Melissa Park of the Reproductive Statistics Branch prepared the Technical Appendix. The Registration Methods Section and the Data Acquisition and Evaluation Branch provided consultation to State Vital Statistics offices regarding collection of birth certificate data.

Questions on the documentation or general questions concerning the natality file should be directed to the Systems, Programming, and Statistical Resources Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, MD 20782-2003 (301-458-4777).

Questions concerning the Technical Appendix or substantive questions concerning the natality data should be directed to the Reproductive Statistics Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 820, Hyattsville, MD 20782-2003 (301-458-4111).

## Documentation of the Detail Natality Data File for 1999 Data

Since 1985 natality statistics for all States and the District of Columbia have been based on information from the total file of records. The information is received on computer data tapes coded by the States and provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program. NCHS receives the data for this file from the registration offices of all States, the District of Columbia, and New York City. Natality data for Puerto Rico, Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands (referred to as Northern Marianas) are included as separate data-set in the public-use file.

Natality data for the United States are limited to births occurring within the United States to U.S. residents and nonresidents. Births to nonresidents of the United States are excluded from all tabulations by place of residence. Births occurring to U.S. citizens outside the United States are not included in this file. Natality data for Puerto Rico, Virgin Islands, Guam, American Samoa and Northern Marianas are limited to births occurring within the respective territories.

Effective January 1, 1989, a revised U.S. Standard Certificate of Live Birth replaced the 1978 revision. The 1989 revision provides a wide variety of new information on maternal and infant health characteristics, representing a significant departure from previous versions in both content and format. For a more detailed discussion of the revised and new items refer to the technical appendix part of this document.

The Office of Management and Budget revised its designation of metropolitan statistical areas based on figures from the 1990 Census. Effective with the 1990 data file, NCHS has been using these new definitions and codes as indicated in the listing of 320 Metropolitan Statistical Areas (MSA's), Primary Metropolitan Statistical Areas (PMSA's), and New England County Metropolitan Areas (NECMA'S) included in this documentation. There are also 20 Consolidated Metropolitan Statistical Areas (CMSA's), which are made up of PMSA's. Because other geographic changes based on 1990 Census became effective with 1994 data file, the metropolitan statistical area destination were updated as well. Effective with the 1994 data-file there are 311 MSA's, PMSA's, and NECMA'S and 18 CMSA's as indicated in the listing included in this documentation.

NCHS has adopted a new policy on release of vital statistics unit record data files. This new policy was implemented for the 1989 vital event files to prevent the inadvertent disclosure of individuals and institutions. As a result, the files for 1989 and later years do not contain the actual day of the birth or the dates of birth of the mother or father. The geographic detail is also restricted; only counties and cities of 100,000 or more population based on the 1990 Census, as well as metropolitan areas of 100,000 or more population based on the 1990 Census, are identified.

Included in this document are:

1. List of data elements and tape locations.
2. Machine/File/Data Characteristics.
3. Detail Record Layout.
4. Geographic Code Outline.
5. Metropolitan Statistical Areas as adapted for use by NCHS/DVS.
6. Technical Appendix.
7. Table 1. Counts of Births by occurrence and residence for each State
8. Report of Final Natality Statistics, 1999

SYMBOLS USED IN TABLES

| Symbol | Explanation  |
|--------|--|
| ---    | Data not available   |
| ...    | Category not applicable                                    |
| -      | Quantity zero  |
| 0.0    | Quantity more than 0 but less than 0.05                    |
| *      | Figure does not meet standards of reliability or precision |



List of Data Elements and Tape Locations

| <u>Data Items</u>           | <u>Locations</u> |
|-----------------------------|------------------|
| 1. General                  |                  |
| a. Data year                | 1-4              |
| b. Record type              | 5                |
| c. Resident status          | 6                |
| 2. Occurrence               |                  |
| a. NCHS State               | 16-17            |
| b. Expanded NCHS State      | 14-15            |
| c. NCHS County              | 18-20            |
| d. Population size - county | 26               |
| e. Division                 | 12               |
| f. Region                   | 11               |
| g. FIPS State               | 21-22            |
| h. FIPS County              | 23-25            |
| 3. Residence                |                  |
| a. NCHS State               | 32-33            |
| b. Expanded NCHS State      | 30-31            |
| c. NCHS County              | 34-36            |
| d. NCHS City                | 37-39            |
| e. Population size - city   | 40               |
| f. Population size - county | 58               |
| g. NCHS PSMA/MSA            | 347-349          |
| h. Met/Nonmet county        | 41               |
| I. Division                 | 28               |
| j. Region                   | 27               |
| k. FIPS State               | 42-43            |
| l. FIPS County              | 44-46            |
| m. FIPS Place               | 47-51            |
| n. CMSA                     | 52-53            |
| o. FIPS PSMA/MSA            | 54-57            |
| 4. Prenatal Care            |                  |
| a. Month began              | 106-109          |
| b. Number of visits         | 110-113          |
| c. Adequacy of care recode  | 93               |
| 5. Child                    |                  |
| a. Sex                      | 188-189          |
| b. Number at delivery       | 201              |
| c. Birthweight              | 193-199          |
| d. Apgar score              | 205-207          |
| e. Gestation                | 181-187,208-209  |
| f. Month/year of birth      | 172-173,176-179  |

g. Day of week of birth

180

List of Data Elements and Tape Locations

| <u>Data Items</u>                         | <u>Locations</u> |
|---|------------------|
| 6. Mother                                 |                  |
| a. Age                                    | 68-76,91-92      |
| b. Race                                   | 79-82            |
| c. Marital status                         | 86-87            |
| d. Education                              | 83-85            |
| e. Place of birth                         | 88-90            |
| f. Hispanic origin                        | 77-78            |
| 7. Pregnancy History                      |                  |
| a. Born alive, now living                 | 94-95            |
| b. Born alive, now dead                   | 96-97            |
| c. Other terminations                     | 98-99            |
| d. Total birth order                      | 103-105          |
| e. Live birth order                       | 100-102          |
| 8. Father                                 |                  |
| a. Age                                    | 154-157,166-167  |
| b. Race                                   | 160-162          |
| c. Hispanic origin                        | 158-159          |
| 9. Other Items                            |                  |
| a. Residence reporting flags              | 307-326          |
| b. Attendant at birth                     | 10               |
| c. Place of delivery                      | 8-9              |
| d. Interval since last live birth         | 128-132          |
| 10. Medical and Health Data               |                  |
| a. Method of delivery                     | 217-222,224      |
| b. Medical risk factors                   | 225-241          |
| c. Other risk factors                     |                  |
| Tobacco                                   | 242-245          |
| Alcohol                                   | 246-249          |
| Weight gain during pregnancy              | 250-252          |
| d. Obstetric procedures                   | 253-259          |
| e. Complications of labor and/or delivery | 260-275          |
| f. Abnormal conditions of the newborn     | 276-284          |
| g. Congenital anomalies                   | 285-306          |



Machine/File/Data Characteristics:

ALL DATA SETS:

|    |                    |                           |
|----|--------------------|---------------------------|
| 1. | Machine used:      | IBM/3081/K                |
| 2. | Language used:     | PL/I                      |
| 3. | File organization: | One file, multiple reels  |
| 4. | Record format:     | Blocked, fixed format     |
| 5. | Record mode:       | IBM/EBCDIC 8-bit code     |
| 6. | Code scheme:       | Numeric/Alphabetic/Blanks |
| 7. | Last block:        | May be a short block      |
| 8. | Record length:     | 350                       |
| 9. | Blocksize:         | 32550                     |

U.S. DATA SET:

|    |               |                             |
|----|---------------|-----------------------------|
| 1. | Record count: |                             |
| 2. | Data counts:  | ALL BIRTHS:                 |
|    | a.            | By occurrence: 3,963,465    |
|    | b.            | By residence: 3,959,417     |
|    | c.            | To foreign residents: 4,048 |

PUERTO RICO, VIRGIN ISLANDS, GUAM, AMERICAN SAMOA, AND NORTHERN MARIANAS DATA SET

|    |               |        |
|----|---------------|--------|
| 1. | Record count: | 68,613 |
|----|---------------|--------|

PUERTO RICO:

|    |              |                       |
|----|--------------|-----------------------|
| 2. | Data counts: | ALL BIRTHS:           |
|    | a.           | By occurrence: 59,684 |
|    | b.           | By residence: 59,563  |

VIRGIN ISLANDS:

|    |               |                      |
|----|---------------|----------------------|
| 1. | Record count: |                      |
| 2. | Data counts:  | ALL BIRTHS:          |
|    | a.            | By occurrence: 1,772 |
|    | b.            | By residence: 1,671  |

GUAM:

|    |               |                      |
|----|---------------|----------------------|
| 1. | Record count: |                      |
| 2. | Data counts:  | ALL BIRTHS:          |
|    | a.            | By occurrence: 4,037 |
|    | b.            | By residence: 4,021  |

AMERICAN SAMOA:

|    |               |                      |
|----|---------------|----------------------|
| 1. | Record count: |                      |
| 2. | Data counts:  | ALL BIRTHS:          |
|    | a.            | By occurrence: 1,736 |
|    | b.            | By residence: 1,736  |

NORTHERN MARIANAS:

|    |               |             |
|----|---------------|-------------|
| 1. | Record count: |             |
| 2. | Data counts:  | ALL BIRTHS: |

|    |                |       |
|----|----------------|-------|
| a. | By occurrence: | 1,384 |
| b. | By residence:  | 1,381 |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 1-4                  | 4                 | <p><u>DATAYEAR</u><br/><u>Year Birth of Child (Data Year)</u></p> <p>1999           ...   1999</p>   |
| 5                    | 1                 | <p><u>RECTYPE</u><br/><u>Record Type</u></p> <p>1           ...   Resident: State and county of occurrence and residence are the same.</p> <p>2           ...   Nonresident: State and/or county of occurrence and residence are different.</p>  |
| 6                    | 1                 | <p><u>RESTATUS</u><br/><u>Resident Status</u></p> <p><u>United States occurrence</u></p> <p>1           ...   RESIDENTS: State and county of occurrence and residence are the same.</p> <p>2           ...   INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.</p> <p>3           ...   INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the U.S.</p> <p>4           ...   FOREIGN RESIDENTS: State of occurrence is one of the 50 States or the District of Columbia, but place of residence of mother is outside of the U.S.</p> <p><u>Puerto Rico occurrence</u></p> <p>1           ...   RESIDENTS: Territory and county equivalent of occurrence and residence are the same.</p> <p>2           ...   INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different.</p> <p>4           ...   FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.</p> |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 6                    | 1                 | <u>RESTATUS</u><br><u>Resident Status (Cont'd)</u>   |
|                      |                   | <u>Virgin Islands occurrence</u>   |
|                      | 1                 | ... RESIDENTS: Territory and county equivalent of occurrence and residence are the same.                                 |
|                      | 2                 | ... INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. |
|                      | 4                 | ... FOREIGN RESIDENTS: Occurred in the Virgin Islands to a resident of any other place.                                  |
|                      |                   | <u>Guam occurrence</u>   |
|                      | 1                 | ... RESIDENTS: Occurred in Guam to a resident of Guam or to a resident of the U.S.                                       |
|                      | 4                 | ... FOREIGN RESIDENTS: Occurred in Guam to a resident of any place other than Guam or of the U.S.                        |
|                      |                   | <u>American Samoa occurrence</u>   |
|                      | 1                 | ... RESIDENTS: Territory and county equivalent of occurrence and residence are the same.                                 |
|                      | 2                 | ... INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. |
|                      | 4                 | ... FOREIGN RESIDENTS: Occurred in the American Samoa to a resident of any other place.                                  |
|                      |                   | <u>Northern Marianas occurrence</u>  |
|                      | 1                 | ... RESIDENTS: Territory and county equivalent of occurrence and residence are the same.                                 |
|                      | 2                 | ... INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. |
|                      | 4                 | ... FOREIGN RESIDENTS: Occurred in the Northern Marianas to a resident of any other place.                               |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 7                    | 1                 | <p><u>RECWT</u><br/><u>Record Weight</u></p> <p>1           ...   Constant - as of the 1985 data year, this file contains data on a 100-percent basis from all reporting areas.</p>  |
| 8                    | 1                 | <p><u>PLDEL</u><br/><u>Place or Facility of Birth</u></p> <p>1           ...   Hospital<br/>2           ...   Freestanding Birthing Center<br/>3           ...   Clinic or Doctor's Office<br/>4           ...   A Residence<br/>5           ...   Other<br/>9           ...   Unknown or Not Stated</p>                     |
| 9                    | 1                 | <p><u>PLDEL3</u><br/><u>Place or Facility of Birth Recode</u></p> <p>1           ...   In Hospital<br/>2           ...   Not in a Hospital<br/>3           ...   Unknown or Not Stated</p>   |
| 10                   | 1                 | <p><u>BIRATTND</u><br/><u>Attendant at Birth</u></p> <p>1           ...   Doctor of Medicine (M.D.)<br/>2           ...   Doctor of Osteopathy (D.O.)<br/>3           ...   Certified Nurse Midwife (C.N.M.)<br/>4           ...   Other Midwife<br/>5           ...   Other<br/>9           ...   Unknown or Not Stated</p> |
| 11-26                | 16                | <p><u>NOCCUR</u><br/><u>Place of Occurrence</u></p>  |
| 11-13                | 3                 | <p><u>RDSSCOCC</u><br/><u>Region, Division, and State Subcode of Occurrence</u></p>  |
| 11                   | 1                 | <p><u>REGNOCC</u></p>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
|                      |                   | <u>Region of Occurrence</u>  |
| 12                   | 1                 | <u>DIVOCC</u><br><u>Division of Occurrence</u>   |
| 13                   | 1                 | <u>STSUBOCC</u><br><u>State Subcode of Occurrence</u>  |
|                      |                   | States are coded within division and the structure is designed to sequence the States as they appear in NCHS publications. |
|                      |                   | 000 ... Not applicable: P.R., V.I., A.S., Guam or M.P. occurrence  |
|                      | 1                 | ... <u>NORTHEAST</u>   |
|                      | 1                 | ... New England  |
|                      | 1                 | 1 ... Maine  |
|                      | 1                 | 2 ... New Hampshire  |
|                      | 1                 | 3 ... Vermont  |
|                      | 1                 | 4 ... Massachusetts  |
| 13                   | 1                 | <u>STSUBOCC</u><br><u>State Subcode of Occurrence (Cont'd)</u>   |
|                      |                   | 5 ... Rhode Island   |
|                      |                   | 6 ... Connecticut  |
|                      | 2                 | ... <u>Middle Atlantic</u>   |
|                      | 1                 | 1 ... New York   |
|                      | 1                 | 2 ... New Jersey   |
|                      | 1                 | 3 ... Pennsylvania   |
|                      | 2                 | ... <u>MIDWEST</u>   |
|                      | 3                 | ... <u>East North Central</u>  |
|                      | 1                 | 1 ... Ohio   |
|                      | 1                 | 2 ... Indiana  |
|                      | 1                 | 3 ... Illinois   |
|                      | 1                 | 4 ... Michigan   |
|                      | 1                 | 5 ... Wisconsin  |
|                      | 4                 | ... <u>West North Central</u>  |
|                      | 1                 | 1 ... Minnesota  |
|                      | 1                 | 2 ... Iowa   |
|                      | 1                 | 3 ... Missouri   |
|                      | 1                 | 4 ... North Dakota   |
|                      | 1                 | 5 ... South Dakota   |
|                      | 1                 | 6 ... Nebraska   |
|                      | 1                 | 7 ... Kansas   |
|                      | 3                 | ... <u>SOUTH</u>   |
|                      | 5                 | ... <u>South Atlantic</u>  |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>                                   |
|--------------------------------|-----------------------------|--|
|                                |                             | 1 ... Delaware   |
|                                |                             | 2 ... Maryland   |
|                                |                             | 3 ... District of Columbia                                     |
|                                |                             | 4 ... Virginia   |
|                                |                             | 5 ... West Virginia  |
|                                |                             | 6 ... North Carolina   |
|                                |                             | 7 ... South Carolina   |
|                                |                             | 8 ... Georgia  |
|                                |                             | 9 ... Florida  |
|                                |                             | 6 ... <u>East South Central</u>                                |
|                                |                             | 1 ... Kentucky   |
|                                |                             | 2 ... Tennessee  |
|                                |                             | 3 ... Alabama  |
|                                |                             | 4 ... Mississippi  |
|                                |                             | 7 ... <u>West South Central</u>                                |
|                                |                             | 1 ... Arkansas   |
|                                |                             | 2 ... Louisiana  |
|                                |                             | 3 ... Oklahoma   |
|                                |                             | 4 ... Texas  |
|                                |                             | 4 ... <u>WEST</u>  |
|                                |                             | 8 ... <u>Mountain</u>  |
|                                |                             | 1 ... Montana  |
|                                |                             | 2 ... Idaho  |
|                                |                             | 3 ... Wyoming  |
|                                |                             | 4 ... Colorado   |
|                                |                             | 5 ... New Mexico   |
|                                |                             | 6 ... Arizona  |
|                                |                             | 7 ... Utah   |
|                                |                             | 8 ... Nevada   |
|                                |                             | 9 ... <u>Pacific</u>   |
|                                |                             | 1 ... Washington   |
|                                |                             | 2 ... Oregon   |
|                                |                             | 3 ... California   |
| 13                             | 1                           | <u>STSUBOCC</u><br><u>State Subcode of Occurrence (Cont'd)</u> |
|                                |                             | 4 ... Alaska   |
|                                |                             | 5 ... Hawaii   |

14-15            2            STNATEXP  
Expanded State of Occurrence

This item is designed to separately identify  
New York city records from other New York  
State records.

United States  
01            ...    Alabama

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u> |
|--------------------------------|-----------------------------|------------------------------|
|                                | 02                          | ... Alaska                   |
|                                | 03                          | ... Arizona                  |
|                                | 04                          | ... Arkansas                 |
|                                | 05                          | ... California               |
|                                | 06                          | ... Colorado                 |
|                                | 07                          | ... Connecticut              |
|                                | 08                          | ... Delaware                 |
|                                | 09                          | ... District of Columbia     |
|                                | 10                          | ... Florida                  |
|                                | 11                          | ... Georgia                  |
|                                | 12                          | ... Hawaii                   |
|                                | 13                          | ... Idaho                    |
|                                | 14                          | ... Illinois                 |
|                                | 15                          | ... Indiana                  |
|                                | 16                          | ... Iowa                     |
|                                | 17                          | ... Kansas                   |
|                                | 18                          | ... Kentucky                 |
|                                | 19                          | ... Louisiana                |
|                                | 20                          | ... Maine                    |
|                                | 21                          | ... Maryland                 |
|                                | 22                          | ... Massachusetts            |
|                                | 23                          | ... Michigan                 |
|                                | 24                          | ... Minnesota                |
|                                | 25                          | ... Mississippi              |
|                                | 26                          | ... Missouri                 |
|                                | 27                          | ... Montana                  |
|                                | 28                          | ... Nebraska                 |
|                                | 29                          | ... Nevada                   |
|                                | 30                          | ... New Hampshire            |
|                                | 31                          | ... New Jersey               |
|                                | 32                          | ... New Mexico               |
|                                | 33                          | ... New York                 |
|                                | 34                          | ... New York city            |
|                                | 35                          | ... North Carolina           |
|                                | 36                          | ... North Dakota             |
|                                | 37                          | ... Ohio                     |
|                                | 38                          | ... Oklahoma                 |
|                                | 39                          | ... Oregon                   |
|                                | 40                          | ... Pennsylvania             |
|                                | 41                          | ... Rhode Island             |
|                                | 42                          | ... South Carolina           |
|                                | 43                          | ... South Dakota             |
|                                | 44                          | ... Tennessee                |
|                                | 45                          | ... Texas                    |



1999  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

Expanded State of Occurrence (Cont'd)

|    |     |               |
|----|-----|---------------|
| 46 | ... | Utah          |
| 47 | ... | Vermont       |
| 48 | ... | Virginia      |
| 49 | ... | Washington    |
| 50 | ... | West Virginia |
| 51 | ... | Wisconsin     |
| 52 | ... | Wyoming       |

Puerto Rico

|    |     |             |
|----|-----|-------------|
| 53 | ... | Puerto Rico |
|----|-----|-------------|

Virgin Islands

|    |     |                |
|----|-----|----------------|
| 54 | ... | Virgin Islands |
|----|-----|----------------|

Guam

|    |     |      |
|----|-----|------|
| 55 | ... | Guam |
|----|-----|------|

American Samoa

|    |     |                |
|----|-----|----------------|
| 62 | ... | American Samoa |
|----|-----|----------------|

Northern Marianas

|    |     |                   |
|----|-----|-------------------|
| 63 | ... | Northern Marianas |
|----|-----|-------------------|

16-17

2

STATENAT

State of Occurrence

United States

|    |     |                      |
|----|-----|----------------------|
| 01 | ... | Alabama              |
| 02 | ... | Alaska               |
| 03 | ... | Arizona              |
| 04 | ... | Arkansas             |
| 05 | ... | California           |
| 06 | ... | Colorado             |
| 07 | ... | Connecticut          |
| 08 | ... | Delaware             |
| 09 | ... | District of Columbia |
| 10 | ... | Florida              |
| 11 | ... | Georgia              |
| 12 | ... | Hawaii               |
| 13 | ... | Idaho                |
| 14 | ... | Illinois             |
| 15 | ... | Indiana              |
| 16 | ... | Iowa                 |
| 17 | ... | Kansas               |
| 18 | ... | Kentucky             |
| 19 | ... | Louisiana            |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>        |
|----------------------|-------------------|-------------------------------------|
|                      |                   | 20 ... Maine                        |
|                      |                   | 21 ... Maryland                     |
|                      |                   | 22 ... Massachusetts                |
|                      |                   | 23 ... Michigan                     |
|                      |                   | 24 ... Minnesota                    |
|                      |                   | 25 ... Mississippi                  |
|                      |                   | 26 ... Missouri                     |
|                      |                   | 27 ... Montana                      |
|                      |                   | 28 ... Nebraska                     |
| 16-17                | 2                 | <u>STATENAT</u>                     |
|                      |                   | <u>State of Occurrence (Cont'd)</u> |
|                      |                   | 29 ... Nevada                       |
|                      |                   | 30 ... New Hampshire                |
|                      |                   | 31 ... New Jersey                   |
|                      |                   | 32 ... New Mexico                   |
|                      |                   | 33 ... New York                     |
|                      |                   | 34 ... North Carolina               |
|                      |                   | 35 ... North Dakota                 |
|                      |                   | 36 ... Ohio                         |
|                      |                   | 37 ... Oklahoma                     |
|                      |                   | 38 ... Oregon                       |
|                      |                   | 39 ... Pennsylvania                 |
|                      |                   | 40 ... Rhode Island                 |
|                      |                   | 41 ... South Carolina               |
|                      |                   | 42 ... South Dakota                 |
|                      |                   | 43 ... Tennessee                    |
|                      |                   | 44 ... Texas                        |
|                      |                   | 45 ... Utah                         |
|                      |                   | 46 ... Vermont                      |
|                      |                   | 47 ... Virginia                     |
|                      |                   | 48 ... Washington                   |
|                      |                   | 49 ... West Virginia                |
|                      |                   | 50 ... Wisconsin                    |
|                      |                   | 51 ... Wyoming                      |
|                      |                   | <u>Puerto Rico</u>                  |
|                      |                   | 52 ... Puerto Rico                  |
|                      |                   | <u>Virgin Islands</u>               |
|                      |                   | 53 ... Virgin Islands               |
|                      |                   | <u>Guam</u>                         |
|                      |                   | 54 ... Guam                         |
|                      |                   | <u>American Samoa</u>               |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
|                      |                   | 61           ...    American Samoa  |
|                      |                   | <u>Northern Marianas</u>  |
|                      |                   | 62           ...    Northern Marianas   |
| 18-20                | 3                 | <u>CNTYNAT</u><br><u>County of Occurrence</u>   |
|                      |                   | 001-nnn      ...    Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both and State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document. |
| 18-20                | 3                 | <u>CNTYNAT</u><br><u>County of Occurrence (Cont'd)</u>  |
|                      |                   | 999           ...    County of less than 100,000 population   |
| 21-25                | 5                 | <u>FIPSOCC</u><br><u>Federal Information Processing Standards (FIPS)</u><br><u>Geographic Codes (Occurrence)</u>  |
|                      |                   | Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. <b>Some Geographic codes have changed to reflect the results of the 1990 Census.</b>   |
| 21-22                | 2                 | <u>STOCCFIP</u><br><u>State of Occurrence (FIPS)</u>  |
|                      |                   | <u>United States</u>  |
|                      |                   | 01           ...    Alabama   |
|                      |                   | 02           ...    Alaska  |
|                      |                   | 04           ...    Arizona   |
|                      |                   | 05           ...    Arkansas  |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u> |
|--------------------------------|-----------------------------|------------------------------|
|                                |                             | 06 ... California            |
|                                |                             | 08 ... Colorado              |
|                                |                             | 09 ... Connecticut           |
|                                |                             | 10 ... Delaware              |
|                                |                             | 11 ... District of Columbia  |
|                                |                             | 12 ... Florida               |
|                                |                             | 13 ... Georgia               |
|                                |                             | 15 ... Hawaii                |
|                                |                             | 16 ... Idaho                 |
|                                |                             | 17 ... Illinois              |
|                                |                             | 18 ... Indiana               |
|                                |                             | 19 ... Iowa                  |
|                                |                             | 20 ... Kansas                |
|                                |                             | 21 ... Kentucky              |
|                                |                             | 22 ... Louisiana             |
|                                |                             | 23 ... Maine                 |
|                                |                             | 24 ... Maryland              |
|                                |                             | 25 ... Massachusetts         |
|                                |                             | 26 ... Michigan              |
|                                |                             | 27 ... Minnesota             |
|                                |                             | 28 ... Mississippi           |
|                                |                             | 29 ... Missouri              |
|                                |                             | 30 ... Montana               |
|                                |                             | 31 ... Nebraska              |
|                                |                             | 32 ... Nevada                |
|                                |                             | 33 ... New Hampshire         |
|                                |                             | 34 ... New Jersey            |
|                                |                             | 35 ... New Mexico            |
|                                |                             | 36 ... New York              |
|                                |                             | 37 ... North Carolina        |
|                                |                             | 38 ... North Dakota          |
|                                |                             | 39 ... Ohio                  |

21-22

2

STOCCFIP  
State of Occurrence (FIPS) (Cont'd)

|    |     |                |
|----|-----|----------------|
| 40 | ... | Oklahoma       |
| 41 | ... | Oregon         |
| 42 | ... | Pennsylvania   |
| 44 | ... | Rhode Island   |
| 45 | ... | South Carolina |
| 46 | ... | South Dakota   |
| 47 | ... | Tennessee      |
| 48 | ... | Texas          |
| 49 | ... | Utah           |
| 50 | ... | Vermont        |
| 51 | ... | Virginia       |
| 53 | ... | Washington     |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
|                      |                   | 54 ... West Virginia  |
|                      |                   | 55 ... Wisconsin  |
|                      |                   | 56 ... Wyoming  |
|                      |                   | <u>Puerto Rico</u>  |
|                      |                   | 72 ... Puerto Rico  |
|                      |                   | <u>Virgin Islands</u>   |
|                      |                   | 78 ... Virgin Islands   |
|                      |                   | <u>Guam</u>   |
|                      |                   | 66 ... Guam   |
|                      |                   | <u>American Samoa</u>   |
|                      |                   | 60 ... American Samoa   |
|                      |                   | <u>Northern Marianas</u>  |
|                      |                   | 69 ... Northern Marianas  |
| 23-25                | 3                 | <u>CNTOCFIP</u>   |
|                      |                   | <u>County of Occurrence (FIPS)</u>  |
|                      |                   | 001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document. |
|                      |                   | 999 ... County of less than 100,000 population  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
|----------------------|-------------------|--|-----|-----|-----------------------------|---|-----|--------------------------------|---|-----|------------------------------|---|-----|------------------------------|---|-----|---------------|---|-----|---------|---|-----|---------------|---|-----|--------------|---|-----|-------------|---|-----|------------------------|
| 26                   | 1                 | <p><u>CNTOCPOP</u><br/><u>Population Size of County of Occurrence</u></p> <p>Based on the results of the 1990 Census</p> <table border="0" style="margin-left: 40px;"> <tr> <td>0</td> <td>...</td> <td>County of 1,000,000 or more</td> </tr> <tr> <td>1</td> <td>...</td> <td>County of 500,000 to 1,000,000</td> </tr> <tr> <td>2</td> <td>...</td> <td>County of 250,000 to 500,000</td> </tr> <tr> <td>3</td> <td>...</td> <td>County of 100,000 to 250,000</td> </tr> </table>   | 0   | ... | County of 1,000,000 or more | 1 | ... | County of 500,000 to 1,000,000 | 2 | ... | County of 250,000 to 500,000 | 3 | ... | County of 100,000 to 250,000 |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 0                    | ...               | County of 1,000,000 or more  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 1                    | ...               | County of 500,000 to 1,000,000   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 2                    | ...               | County of 250,000 to 500,000   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 3                    | ...               | County of 100,000 to 250,000   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 27-58                | 32                | <p><u>NRESID</u><br/><u>Place of Residence</u></p> <p>Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. <b>Some Geographic codes have changed to reflect the results of the 1990 Census.</b></p>  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 27-29                | 3                 | <p><u>RDSCRES</u><br/><u>Region, Division, and State Subcode of Residence</u></p>  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 27                   | 1                 | <p><u>REGNRES</u><br/><u>Region of Residence</u></p>   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 28                   | 1                 | <p><u>DIVRES</u><br/><u>Division of Residence</u></p>  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 29                   | 1                 | <p><u>STSUBRES</u><br/><u>State Subcode of Residence</u></p> <p>States are coded within Division and the code structure is designed to sequence the States as they appear in NCHS publications.</p> <p><b><u>APPLICABLE TO U.S. ONLY</u></b></p> <table border="0" style="margin-left: 40px;"> <tr> <td>000</td> <td>...</td> <td><u>Foreign Residents</u></td> </tr> <tr> <td>1</td> <td>...</td> <td><u>NORTHEAST</u></td> </tr> <tr> <td>1</td> <td>...</td> <td><u>New England</u></td> </tr> <tr> <td>1</td> <td>...</td> <td>Maine</td> </tr> <tr> <td>2</td> <td>...</td> <td>New Hampshire</td> </tr> <tr> <td>3</td> <td>...</td> <td>Vermont</td> </tr> <tr> <td>4</td> <td>...</td> <td>Massachusetts</td> </tr> <tr> <td>5</td> <td>...</td> <td>Rhode Island</td> </tr> <tr> <td>6</td> <td>...</td> <td>Connecticut</td> </tr> <tr> <td>2</td> <td>...</td> <td><u>Middle Atlantic</u></td> </tr> </table> | 000 | ... | <u>Foreign Residents</u>    | 1 | ... | <u>NORTHEAST</u>               | 1 | ... | <u>New England</u>           | 1 | ... | Maine                        | 2 | ... | New Hampshire | 3 | ... | Vermont | 4 | ... | Massachusetts | 5 | ... | Rhode Island | 6 | ... | Connecticut | 2 | ... | <u>Middle Atlantic</u> |
| 000                  | ...               | <u>Foreign Residents</u>   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 1                    | ...               | <u>NORTHEAST</u>   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 1                    | ...               | <u>New England</u>   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 1                    | ...               | Maine  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 2                    | ...               | New Hampshire  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 3                    | ...               | Vermont  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 4                    | ...               | Massachusetts  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 5                    | ...               | Rhode Island   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 6                    | ...               | Connecticut  |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |
| 2                    | ...               | <u>Middle Atlantic</u>   |     |     |                             |   |     |                                |   |     |                              |   |     |                              |   |     |               |   |     |         |   |     |               |   |     |              |   |     |             |   |     |                        |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>               |
|----------------------|-------------------|--|
|                      |                   | 1 ... New York                             |
|                      |                   | 2 ... New Jersey                           |
|                      |                   | 3 ... Pennsylvania                         |
|                      | 2                 | ... <u>MIDWEST</u>                         |
|                      | 3                 | ... <u>East North Central</u>              |
|                      |                   | 1 ... Ohio                                 |
|                      |                   | 2 ... Indiana                              |
|                      |                   | 3 ... Illinois                             |
|                      |                   | 4 ... Michigan                             |
|                      |                   | 5 ... Wisconsin                            |
|                      | 4                 | ... <u>West North Central</u>              |
| 29                   | 1                 | <u>STSUBRES</u>                            |
|                      |                   | <u>State Subcode of Residence (Cont'd)</u> |
|                      |                   | 1 ... Minnesota                            |
|                      |                   | 2 ... Iowa                                 |
|                      |                   | 3 ... Missouri                             |
|                      |                   | 4 ... North Dakota                         |
|                      |                   | 5 ... South Dakota                         |
|                      |                   | 6 ... Nebraska                             |
|                      |                   | 7 ... Kansas                               |
|                      | 3                 | ... <u>SOUTH</u>                           |
|                      | 5                 | ... <u>South Atlantic</u>                  |
|                      |                   | 1 ... Delaware                             |
|                      |                   | 2 ... Maryland                             |
|                      |                   | 3 ... District of Columbia                 |
|                      |                   | 4 ... Virginia                             |
|                      |                   | 5 ... West Virginia                        |
|                      |                   | 6 ... North Carolina                       |
|                      |                   | 7 ... South Carolina                       |
|                      |                   | 8 ... Georgia                              |
|                      |                   | 9 ... Florida                              |
|                      | 6                 | ... <u>East South Central</u>              |
|                      |                   | 1 ... Kentucky                             |
|                      |                   | 2 ... Tennessee                            |
|                      |                   | 3 ... Alabama                              |
|                      |                   | 4 ... Mississippi                          |
|                      | 7                 | ... <u>West South Central</u>              |
|                      |                   | 1 ... Arkansas                             |
|                      |                   | 2 ... Louisiana                            |
|                      |                   | 3 ... Oklahoma                             |
|                      |                   | 4 ... Texas                                |
|                      | 4                 | ... <u>WEST</u>                            |
|                      | 8                 | ... <u>Mountain</u>                        |
|                      |                   | 1 ... Montana                              |
|                      |                   | 2 ... Idaho                                |
|                      |                   | 3 ... Wyoming                              |

1999  
Detail Natality Record

**Tape  
Location**

**Field  
Size**

**Item and Code Outline**

|   |     |                |
|---|-----|----------------|
| 4 | ... | Colorado       |
| 5 | ... | New Mexico     |
| 6 | ... | Arizona        |
| 7 | ... | Utah           |
| 8 | ... | Nevada         |
| 9 | ... | <u>Pacific</u> |
| 1 | ... | Washington     |
| 2 | ... | Oregon         |
| 3 | ... | California     |
| 4 | ... | Alaska         |
| 5 | ... | Hawaii         |

30-31

2

**STRESEXP**

**Expanded State of Residence**

This item is designed to separately identify New York City records from other New York State records.

**United States occurrence**

|    |     |         |
|----|-----|---------|
| 01 | ... | Alabama |
| 02 | ... | Alaska  |

30-31

2

**STRESEXP**

**Expanded State of Residence (Cont'd)**

|    |     |                      |
|----|-----|----------------------|
| 03 | ... | Arizona              |
| 04 | ... | Arkansas             |
| 05 | ... | California           |
| 06 | ... | Colorado             |
| 07 | ... | Connecticut          |
| 08 | ... | Delaware             |
| 09 | ... | District of Columbia |
| 10 | ... | Florida              |
| 11 | ... | Georgia              |
| 12 | ... | Hawaii               |
| 13 | ... | Idaho                |
| 14 | ... | Illinois             |
| 15 | ... | Indiana              |
| 16 | ... | Iowa                 |
| 17 | ... | Kansas               |
| 18 | ... | Kentucky             |
| 19 | ... | Louisiana            |
| 20 | ... | Maine                |
| 21 | ... | Maryland             |
| 22 | ... | Massachusetts        |
| 23 | ... | Michigan             |



1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>                       |
|--------------------------------|-----------------------------|--|
|                                |                             | 24 ... Minnesota                                   |
|                                |                             | 25 ... Mississippi                                 |
|                                |                             | 26 ... Missouri                                    |
|                                |                             | 27 ... Montana                                     |
|                                |                             | 28 ... Nebraska                                    |
|                                |                             | 29 ... Nevada                                      |
|                                |                             | 30 ... New Hampshire                               |
|                                |                             | 31 ... New Jersey                                  |
|                                |                             | 32 ... New Mexico                                  |
|                                |                             | 33 ... New York                                    |
|                                |                             | 34 ... New York City                               |
|                                |                             | 35 ... North Carolina                              |
|                                |                             | 36 ... North Dakota                                |
|                                |                             | 37 ... Ohio  |
|                                |                             | 38 ... Oklahoma                                    |
|                                |                             | 39 ... Oregon                                      |
|                                |                             | 40 ... Pennsylvania                                |
|                                |                             | 41 ... Rhode Island                                |
|                                |                             | 42 ... South Carolina                              |
|                                |                             | 43 ... South Dakota                                |
|                                |                             | 44 ... Tennessee                                   |
|                                |                             | 45 ... Texas                                       |
|                                |                             | 46 ... Utah  |
|                                |                             | 47 ... Vermont                                     |
|                                |                             | 48 ... Virginia                                    |
|                                |                             | 49 ... Washington                                  |
|                                |                             | 50 ... West Virginia                               |
|                                |                             | 51 ... Wisconsin                                   |
|                                |                             | 52 ... Wyoming                                     |
|                                |                             | 53-58,60, ... Foreign Residents<br>62,63           |
|                                |                             | 53 ... Puerto Rico                                 |
|                                |                             | 54 ... Virgin Islands                              |
|                                |                             | 55 ... Guam  |
| 30-31                          | 2                           | <b><u>STRESEXP</u></b>                             |
|                                |                             | <b><u>Expanded State of Residence (Cont'd)</u></b> |
|                                |                             | 62 ... American Samoa                              |
|                                |                             | 63 ... Northern Marianas                           |
|                                |                             | 56 ... Canada                                      |
|                                |                             | 57 ... Cuba  |
|                                |                             | 58 ... Mexico                                      |
|                                |                             | 60 ... Remainder of the world                      |
|                                |                             | <b><u>Puerto Rico occurrence</u></b>               |
|                                |                             | 53 ... Puerto Rico                                 |
|                                |                             | 01-52,54-58,60,62,63... Foreign residents: Refer   |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>              |   |
|--------------------------------|-----------------------------|---|---|
|                                |                             |   | to U.S. for specific code structure.                              |
|                                |                             | <b><u>Virgin Islands occurrence</u></b>   |   |
|                                |                             | 54 ...                                    | Virgin Islands  |
|                                |                             | 01-53,55-58,60,62,63...                   | Foreign residents: Refer to U.S. for specific code structure.     |
|                                |                             | <b><u>Guam occurrence</u></b>             |   |
|                                |                             | 55 ...                                    | Guam  |
|                                |                             | 01-52 ...                                 | U.S. resident is also considered a resident of Guam.              |
|                                |                             | 53-54,56-58,60,62,63...                   | Foreign residents: Refer to U.S. for specific code structure.     |
|                                |                             | <b><u>American Samoa occurrence</u></b>   |   |
|                                |                             | 62 ...                                    | American Samoa  |
|                                |                             | 01-52 ...                                 | U.S. resident is also considered a resident of American Samoa     |
|                                |                             | 53-58,60,63 ...                           | Foreign residents: Refer to U.S. for specific code structure.     |
|                                |                             | <b><u>Northern Marianas</u></b>           |   |
|                                |                             | 63 ...                                    | Northern Marianas   |
|                                |                             | 01-52 ...                                 | U.S. resident is also considered a resident of Northern Marianas. |
|                                |                             | 53-58,60,62 ...                           | Foreign residents: Refer to U.S. for specific code structure.     |
| 32-33                          | 2                           | <b><u>STATERES</u></b>                    |   |
|                                |                             | <b><u>State of Residence</u></b>          |   |
|                                |                             | <b><u>United States occurrence</u></b>    |   |
|                                |                             | 01 ... Alabama                            |   |
|                                |                             | 02 ... Alaska                             |   |
|                                |                             | 03 ... Arizona                            |   |
|                                |                             | 04 ... Arkansas                           |   |
|                                |                             | 05 ... California                         |   |
|                                |                             | 06 ... Colorado                           |   |
|                                |                             | 07 ... Connecticut                        |   |
| 32-33                          | 2                           | <b><u>STATERES</u></b>                    |   |
|                                |                             | <b><u>State of Residence (Cont'd)</u></b> |   |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u> |
|--------------------------------|-----------------------------|------------------------------|
|                                | 08                          | ... Delaware                 |
|                                | 09                          | ... District of Columbia     |
|                                | 10                          | ... Florida                  |
|                                | 11                          | ... Georgia                  |
|                                | 12                          | ... Hawaii                   |
|                                | 13                          | ... Idaho                    |
|                                | 14                          | ... Illinois                 |
|                                | 15                          | ... Indiana                  |
|                                | 16                          | ... Iowa                     |
|                                | 17                          | ... Kansas                   |
|                                | 18                          | ... Kentucky                 |
|                                | 19                          | ... Louisiana                |
|                                | 20                          | ... Maine                    |
|                                | 21                          | ... Maryland                 |
|                                | 22                          | ... Massachusetts            |
|                                | 23                          | ... Michigan                 |
|                                | 24                          | ... Minnesota                |
|                                | 25                          | ... Mississippi              |
|                                | 26                          | ... Missouri                 |
|                                | 27                          | ... Montana                  |
|                                | 28                          | ... Nebraska                 |
|                                | 29                          | ... Nevada                   |
|                                | 30                          | ... New Hampshire            |
|                                | 31                          | ... New Jersey               |
|                                | 32                          | ... New Mexico               |
|                                | 33                          | ... New York                 |
|                                | 34                          | ... North Carolina           |
|                                | 35                          | ... North Dakota             |
|                                | 36                          | ... Ohio                     |
|                                | 37                          | ... Oklahoma                 |
|                                | 38                          | ... Oregon                   |
|                                | 39                          | ... Pennsylvania             |
|                                | 40                          | ... Rhode Island             |
|                                | 41                          | ... South Carolina           |
|                                | 42                          | ... South Dakota             |
|                                | 43                          | ... Tennessee                |
|                                | 44                          | ... Texas                    |
|                                | 45                          | ... Utah                     |
|                                | 46                          | ... Vermont                  |
|                                | 47                          | ... Virginia                 |
|                                | 48                          | ... Washington               |
|                                | 49                          | ... West Virginia            |
|                                | 50                          | ... Wisconsin                |
|                                | 51                          | ... Wyoming                  |
|                                | 52-57,59,61,62..            | Foreign Residents            |
|                                | 52                          | ... Puerto Rico              |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
|                      |                   | 53 ... Virgin Islands  |
|                      |                   | 54 ... Guam  |
|                      |                   | 61 ... American Samoa  |
|                      |                   | 62 ... Northern Marianas   |
|                      |                   | 55 ... Canada  |
|                      |                   | 56 ... Cuba  |
|                      |                   | 57 ... Mexico  |
|                      |                   | 59 ... Remainder of the world  |
| 32-33                | 2                 | <b><u>STATERES</u></b><br><b><u>State of Residence (Cont'd)</u></b>        |
|                      |                   | <b><u>Puerto Rico occurrence</u></b>                                       |
|                      |                   | 52 ... Puerto Rico   |
|                      |                   | 01-51,53-57,59, ... Foreign Residents: Refer to                            |
|                      |                   | 61,62 U.S. for specific code structure.                                    |
|                      |                   | <b><u>Virgin Islands occurrence</u></b>                                    |
|                      |                   | 53 ... Virgin Islands  |
|                      |                   | 01-52,54-57,59, ... Foreign Residents: Refer to                            |
|                      |                   | 61,62 U.S. for specific code structure.                                    |
|                      |                   | <b><u>Guam occurrence</u></b>  |
|                      |                   | 54 ... Guam  |
|                      |                   | 01-51 ... U.S. resident is also considered a resident of Guam.             |
|                      |                   | 52-53,55-57,59, ... Foreign Residents: Refer to                            |
|                      |                   | 61,62 U.S. for specific code structure.                                    |
|                      |                   | <b><u>American Samoa occurrence</u></b>                                    |
|                      |                   | 61 ... American Samoa  |
|                      |                   | 01-51 ... U.S. resident is also considered a resident of American Samoa    |
|                      |                   | 52-57,59,62 ... Foreign Residents: Refer to                                |
|                      |                   | U.S. for specific code structure.  |
|                      |                   | <b><u>Northern Marianas</u></b>  |
|                      |                   | 62 ... Northern Marianas   |
|                      |                   | 01-51 ... U.S resident is also considered a resident of Northern Marianas. |
|                      |                   | 52-57,59,61 ... Foreign Residents: Refer to                                |
|                      |                   | U.S. for specific code   |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u> |
|--------------------------------|-----------------------------|------------------------------|
|--------------------------------|-----------------------------|------------------------------|

structure.

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>  |
|--------------------------------|-----------------------------|---|
| 34-36                          | 3                           | <p><b><u>CNTYRES</u></b><br/><b><u>County of Residence</u></b></p> <p>A complete list of counties is shown in the Geographic Code Outline further back in this document.</p> <p>001-nnn           ...   Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both the State and county codes must be used.)</p> <p>999               ...   County of less than 100,000 population</p> <p>ZZZ               ...   Foreign Residents</p> |
| 37-39                          | 3                           | <p><b><u>CITYRES</u></b><br/><b><u>City of Residence</u></b></p> <p>A complete list of cities is shown in the Geographic Code Outline further back in this document.</p> <p>001-nnn           ...   Cities are numbered alphabetically within each State and identify each city with a population of 100,000 or more in 1990. (Note: To uniquely identify a city, both the State and city codes must be used. State, county and city codes may also be used.)</p> <p>999               ...   Balance of county</p> <p>ZZZ               ...   Foreign residents</p>   |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
|----------------------|-------------------|---|----|-----|----------------------------|----|-----|-------------------------------|----|-----|-----------------------------|----|-----|-----------------------------|----|-----|-----------------------------|----|-----|-------------------|----|-----|----------|----|-----|-------------|----|-----|----------|
| 40                   | 1                 | <p><b><u>CITRSPOP</u></b><br/><b><u>Population Size of City of Residence</u></b></p> <p>Based on the results of the 1990 census</p> <table border="0"> <tr><td>0</td><td>...</td><td>Place of 1,000,000 or more</td></tr> <tr><td>1</td><td>...</td><td>Place of 500,000 to 1,000,000</td></tr> <tr><td>2</td><td>...</td><td>Place of 250,000 to 500,000</td></tr> <tr><td>3</td><td>...</td><td>Place of 100,000 to 250,000</td></tr> <tr><td>9</td><td>...</td><td>All other areas in the U.S.</td></tr> <tr><td>Z</td><td>...</td><td>Foreign residents</td></tr> </table>    | 0  | ... | Place of 1,000,000 or more | 1  | ... | Place of 500,000 to 1,000,000 | 2  | ... | Place of 250,000 to 500,000 | 3  | ... | Place of 100,000 to 250,000 | 9  | ... | All other areas in the U.S. | Z  | ... | Foreign residents |    |     |          |    |     |             |    |     |          |
| 0                    | ...               | Place of 1,000,000 or more  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 1                    | ...               | Place of 500,000 to 1,000,000   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 2                    | ...               | Place of 250,000 to 500,000   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 3                    | ...               | Place of 100,000 to 250,000   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 9                    | ...               | All other areas in the U.S.   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| Z                    | ...               | Foreign residents   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 41                   | 1                 | <p><b><u>METRORES</u></b><br/><b><u>Metropolitan - Nonmetropolitan County of Residence</u></b></p> <p><b><u>NOTE:</u></b> VIRGIN ISLANDS, GUAM, NORTHERN MARIANAS AND AMERICAN SAMOA DO NOT HAVE ANY METROPOLITAN AREAS</p> <table border="0"> <tr><td>1</td><td>...</td><td>Metropolitan county</td></tr> <tr><td>2</td><td>...</td><td>Nonmetropolitan county</td></tr> <tr><td>Z</td><td>...</td><td>Foreign residents</td></tr> </table>  | 1  | ... | Metropolitan county        | 2  | ... | Nonmetropolitan county        | Z  | ... | Foreign residents           |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 1                    | ...               | Metropolitan county   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 2                    | ...               | Nonmetropolitan county  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| Z                    | ...               | Foreign residents   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 42-57                | 16                | <p><b><u>FIPSRES</u></b><br/><b><u>Federal Information Processing Standards (FIPS) Geographic Codes (Residence)</u></b></p> <p>Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. <b>Some Geographic Codes have changed to reflect the results of the 1990 Census.</b></p>  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 42-43                | 2                 | <p><b><u>STRESFIP</u></b><br/><b><u>State of Residence (FIPS)</u></b></p> <table border="0"> <tr><td>00</td><td>...</td><td>Foreign residents</td></tr> <tr><td>01</td><td>...</td><td>Alabama</td></tr> <tr><td>02</td><td>...</td><td>Alaska</td></tr> <tr><td>04</td><td>...</td><td>Arizona</td></tr> <tr><td>05</td><td>...</td><td>Arkansas</td></tr> <tr><td>06</td><td>...</td><td>California</td></tr> <tr><td>08</td><td>...</td><td>Colorado</td></tr> <tr><td>09</td><td>...</td><td>Connecticut</td></tr> <tr><td>10</td><td>...</td><td>Delaware</td></tr> </table> | 00 | ... | Foreign residents          | 01 | ... | Alabama                       | 02 | ... | Alaska                      | 04 | ... | Arizona                     | 05 | ... | Arkansas                    | 06 | ... | California        | 08 | ... | Colorado | 09 | ... | Connecticut | 10 | ... | Delaware |
| 00                   | ...               | Foreign residents   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 01                   | ...               | Alabama   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 02                   | ...               | Alaska  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 04                   | ...               | Arizona   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 05                   | ...               | Arkansas  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 06                   | ...               | California  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 08                   | ...               | Colorado  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 09                   | ...               | Connecticut   |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |
| 10                   | ...               | Delaware  |    |     |                            |    |     |                               |    |     |                             |    |     |                             |    |     |                             |    |     |                   |    |     |          |    |     |             |    |     |          |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u> |
|----------------------|-------------------|------------------------------|
|                      |                   | 11 ... District of Columbia  |
|                      |                   | 12 ... Florida               |
|                      |                   | 13 ... Georgia               |
|                      |                   | 15 ... Hawaii                |
|                      |                   | 16 ... Idaho                 |
|                      |                   | 17 ... Illinois              |
|                      |                   | 18 ... Indiana               |
|                      |                   | 19 ... Iowa                  |
|                      |                   | 20 ... Kansas                |
|                      |                   | 21 ... Kentucky              |
|                      |                   | 22 ... Louisiana             |

42-43

2

STRESFIP

State of Residence (FIPS) (Cont'd)

|    |     |                |
|----|-----|----------------|
| 23 | ... | Maine          |
| 24 | ... | Maryland       |
| 25 | ... | Massachusetts  |
| 26 | ... | Michigan       |
| 27 | ... | Minnesota      |
| 28 | ... | Mississippi    |
| 29 | ... | Missouri       |
| 30 | ... | Montana        |
| 31 | ... | Nebraska       |
| 32 | ... | Nevada         |
| 33 | ... | New Hampshire  |
| 34 | ... | New Jersey     |
| 35 | ... | New Mexico     |
| 36 | ... | New York       |
| 37 | ... | North Carolina |
| 38 | ... | North Dakota   |
| 39 | ... | Ohio           |
| 40 | ... | Oklahoma       |
| 41 | ... | Oregon         |
| 42 | ... | Pennsylvania   |
| 44 | ... | Rhode Island   |
| 45 | ... | South Carolina |
| 46 | ... | South Dakota   |
| 47 | ... | Tennessee      |
| 48 | ... | Texas          |
| 49 | ... | Utah           |
| 50 | ... | Vermont        |
| 51 | ... | Virginia       |
| 53 | ... | Washington     |
| 54 | ... | West Virginia  |
| 55 | ... | Wisconsin      |
| 56 | ... | Wyoming        |



1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
|                      |                   | <b><u>Puerto Rico occurrence</u></b>  |
|                      |                   | 00-56,60,66,78,69 ... Foreign Residents: Refer to U.S. for specific code structure                            |
|                      |                   | 72 ... Puerto Rico  |
|                      |                   | <b><u>Virgin Islands occurrence</u></b>   |
|                      |                   | 00-56,60,66,72,69 ... Foreign Residents: Refer to U.S. for specific code structure                            |
|                      |                   | 78 ... Virgin Islands   |
|                      |                   | <b><u>Guam occurrence</u></b>   |
|                      |                   | 00,60,72,78,69 ... Foreign Residents: Refer to U.S. for specific code structure                               |
|                      |                   | 01-56 ... U.S. Resident is also considered a resident of Guam. Refer to U.S. for specific code structure      |
|                      |                   | 66 ... Guam   |
| 42-43                | 2                 | <b><u>STRESFIP</u></b><br><b><u>State of Residence (FIPS) (Cont'd)</u></b>                                    |
|                      |                   | <b><u>American Samoa occurrence</u></b>   |
|                      |                   | 00,66,72,78,69 ... Foreign Residents: Refer to U.S. for specific code structure                               |
|                      |                   | 01-56 ... U.S. Resident is also considered a resident of American Samoa. Refer to specific code structure     |
|                      |                   | 60 ... American Samoa   |
|                      |                   | <b><u>Northern Marianas</u></b>   |
|                      |                   | 00,60,66,72,78 ... Foreign Residents: Refer to U.S. for specific code structure.                              |
|                      |                   | 01-56 ... U.S. Resident is also considered a resident of Northern Marianas. Refer to Specific code structure. |
|                      |                   | 69 ... Northern Marianas  |
| 44-46                | 3                 | <b><u>CNTYRFIP</u></b><br><b><u>County of Residence (FIPS)</u></b>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
|                      |                   | 001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.)<br>999 ... County of less than 100,000 population<br>000 ... Foreign residents  |
| 47-51                | 5                 | <u>PLACEFIP</u><br><u>Place (City) of Residence</u><br><br>A complete list of cities is shown in the Geographic code outline further back in this document. Effective with the 1994 data year, the FIPS place code has been added to the Natality record. It identifies each city of 100,000 population or more in 1990.<br><br>00000 ...Foreign residents<br>00001-<br>nnnnn ... Code range<br>99999 ... Balance of county; or city of less than 100,000 population |
| 52-53                | 2                 | <u>CMSA</u><br><u>CMSA of Residence (FIPS)</u><br><br>Consolidated Metropolitan Statistical Areas are groupings of certain Primary Metropolitan Statistical Areas and are defined by the U.S. Office of Management and Budget (OMB) as of June 30, 1990.   |
| 52-53                | 2                 | <u>CMSA</u><br><u>CMSA of Residence (FIPS) (Cont'd)</u><br><br><u>All AREAS</u><br>00 ... Not a CMSA<br><br><u>United States occurrence</u><br><br>07 ... Boston-Worcester-Lawrence, MA-NH-ME CT, CMSA<br>14 ... Chicago-Gary-Kenosha, IL-IN-WI, CMSA<br>21 ... Cincinnati-Hamilton, OH-KY-IN, CMSA<br>28 ... Cleveland-Akron, OH, CMSA<br>31 ... Dallas-Fort Worth, TX, CMSA  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>                                       |
|----------------------|-------------------|--|
|                      |                   | 34 ... Denver-Boulder-Greeley, CO, CMSA                            |
|                      |                   | 35 ... Detroit-Ann Arbor-Flint, MI, CMSA                           |
|                      |                   | 42 ... Houston-Galveston-Brazoria, TX, CMSA                        |
|                      |                   | 49 ... Los Angeles-Riverside-Orange County, CA, CMSA               |
|                      |                   | 56 ... Miami-Fort Lauderdale, FL, CMSA                             |
|                      |                   | 63 ... Milwaukee-Racine, WI, CMSA                                  |
|                      |                   | 70 ... New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, CMSA |
|                      |                   | 77 ... Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA    |
|                      |                   | 79 ... Portland-Salem, OR-WA, CMSA                                 |
|                      |                   | 82 ... Sacramento-Yolo, CA, CMSA                                   |
|                      |                   | 84 ... San Francisco-Oakland-San Jose, CA, CMSA                    |
|                      |                   | 91 ... Seattle-Tacoma-Bremerton, WA, CMSA                          |
|                      |                   | 97 ... Washington-Baltimore, DC-MD-VA-WV, CMSA                     |

Puerto Rico occurrence

87 ... San Juan-Caguas-Arecibo, PR, CMSA

54-57

4

SMSARFIP

PMSA/MSA of Residence (FIPS)

Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Management and Budget as of 1990. For New England, the New England County Metropolitan Areas (NECMA's) are used. Further back in this document is a list of PMSA's, MSA's, NECMA's, and their component counties.

0000 ... Nonmetropolitan counties or foreign residents  
 0040-9360 ... Code range  
 9999 ... Area of less than 100,000 population

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
|----------------------|-------------------|---|-------|-----|-----------------------------|----|-----|--------------------------------|---|-----|------------------------------|---|-----|------------------------------|---|-----|-----------------------------|---|-----|------------------|
| 58                   | 1                 | <p><u>CNTRSPOP</u><br/><u>Population Size of County of Residence</u></p> <p>Based on the results of the 1990 Census.</p> <table> <tr><td>0</td><td>...</td><td>County of 1,000,000 or more</td></tr> <tr><td>1</td><td>...</td><td>County of 500,000 to 1,000,000</td></tr> <tr><td>2</td><td>...</td><td>County of 250,000 to 500,000</td></tr> <tr><td>3</td><td>...</td><td>County of 100,000 to 250,000</td></tr> <tr><td>9</td><td>...</td><td>County of less than 100,000</td></tr> <tr><td>Z</td><td>...</td><td>Foreign resident</td></tr> </table> | 0     | ... | County of 1,000,000 or more | 1  | ... | County of 500,000 to 1,000,000 | 2 | ... | County of 250,000 to 500,000 | 3 | ... | County of 100,000 to 250,000 | 9 | ... | County of less than 100,000 | Z | ... | Foreign resident |
| 0                    | ...               | County of 1,000,000 or more   |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 1                    | ...               | County of 500,000 to 1,000,000  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 2                    | ...               | County of 250,000 to 500,000  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 3                    | ...               | County of 100,000 to 250,000  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 9                    | ...               | County of less than 100,000   |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| Z                    | ...               | Foreign resident  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 59-67                | 9                 | <p><u>RIA</u><br/><u>Reserved Positions</u></p>   |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 68                   | 1                 | <p><u>MAGERFLG</u><br/><u>Reported Age of Mother Used Flag</u></p> <p>This position is flagged whenever the mother's reported age is used. The reported age is used, if valid, when age could not be computed or when the computed age is outside the 10-54 code range.</p> <table> <tr><td>Blank</td><td>...</td><td>Reported age is not used</td></tr> <tr><td>1</td><td>...</td><td>Reported age is used</td></tr> </table>  | Blank | ... | Reported age is not used    | 1  | ... | Reported age is used           |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| Blank                | ...               | Reported age is not used  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 1                    | ...               | Reported age is used  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 69                   | 1                 | <p><u>MAGEIMP</u><br/><u>Age of Mother Imputation Flag</u></p> <table> <tr><td>Blank</td><td>...</td><td>Age is not imputed</td></tr> <tr><td>1</td><td>...</td><td>Age is imputed</td></tr> </table>   | Blank | ... | Age is not imputed          | 1  | ... | Age is imputed                 |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| Blank                | ...               | Age is not imputed  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 1                    | ...               | Age is imputed  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 70-71                | 2                 | <p><u>DMAGE</u><br/><u>Age of Mother</u></p> <p>This item is: a) computed using dates of birth of mother and of delivery; b) reported; or c) imputed. This is the age item used in NCHS publications.</p> <table> <tr><td>10-54</td><td>...</td><td>Age in single years</td></tr> </table>  | 10-54 | ... | Age in single years         |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 10-54                | ...               | Age in single years   |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 72-73                | 2                 | <p><u>MAGE36</u><br/><u>Age of Mother Recode 36</u></p> <table> <tr><td>01</td><td>...</td><td>Under 15 years</td></tr> <tr><td>02</td><td>...</td><td>15 years</td></tr> </table>  | 01    | ... | Under 15 years              | 02 | ... | 15 years                       |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 01                   | ...               | Under 15 years  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |
| 02                   | ...               | 15 years  |       |     |                             |    |     |                                |   |     |                              |   |     |                              |   |     |                             |   |     |                  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u> |
|----------------------|-------------------|------------------------------|
|                      |                   | 03      ...    16 years      |
|                      |                   | 04      ...    17 years      |
|                      |                   | 05      ...    18 years      |
|                      |                   | 06      ...    19 years      |
|                      |                   | 07      ...    20 years      |
|                      |                   | 08      ...    21 years      |
|                      |                   | 09      ...    22 years      |
|                      |                   | 10      ...    23 years      |
|                      |                   | 11      ...    24 years      |
|                      |                   | 12      ...    25 years      |
|                      |                   | 13      ...    26 years      |

72-73

2

MAGE36  
Age of Mother Recode 36 (Cont'd)

|    |     |          |
|----|-----|----------|
| 14 | ... | 27 years |
| 15 | ... | 28 years |
| 16 | ... | 29 years |
| 17 | ... | 30 years |
| 18 | ... | 31 years |
| 19 | ... | 32 years |
| 20 | ... | 33 years |
| 21 | ... | 34 years |
| 22 | ... | 35 years |
| 23 | ... | 36 years |
| 24 | ... | 37 years |
| 25 | ... | 38 years |
| 26 | ... | 39 years |
| 27 | ... | 40 years |
| 28 | ... | 41 years |
| 29 | ... | 42 years |
| 30 | ... | 43 years |
| 31 | ... | 44 years |
| 32 | ... | 45 years |
| 33 | ... | 46 years |
| 34 | ... | 47 years |
| 35 | ... | 48 years |
| 36 | ... | 49 years |
| 37 | ... | 50 years |
| 38 | ... | 51 years |
| 39 | ... | 52 years |
| 40 | ... | 53 years |
| 41 | ... | 54 years |

74-75

2

MAGE12  
Age of Mother Recode 12

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
|                      |                   | 01 ... Under 15 years<br>03 ... 15 years<br>04 ... 16 years<br>05 ... 17 years<br>06 ... 18 years<br>07 ... 19 years<br>08 ... 20 - 24 years<br>09 ... 25 - 29 years<br>10 ... 30 - 34 years<br>11 ... 35 - 39 years<br>12 ... 40 - 44 years<br>13 ... 45 - 49 years<br>14 ... 50 - 54 years  |
| 76                   | 1                 | <b><u>MAGES</u></b><br><b><u>Age of Mother Recode 8</u></b><br><br>1 ... Under 15 years<br>2 ... 15 - 19 years<br>3 ... 20 - 24 years<br>4 ... 25 - 29 years<br>5 ... 30 - 34 years<br>6 ... 35 - 39 years  |
| 76                   | 1                 | <b><u>MAGES</u></b><br><b><u>Age of Mother Recode 8 (Cont'd)</u></b><br><br>7 ... 40 - 44 years<br>8 ... 45 - 49 years<br>9 ... 50 - 54 years   |
| 77                   | 1                 | <b><u>ORMOTH</u></b><br><b><u>Hispanic Origin of Mother</u></b><br><br>Hispanic origin is reported by all areas except Puerto Rico, and American Samoa<br><br>0 ... Non-Hispanic<br>1 ... Mexican<br>2 ... Puerto Rican<br>3 ... Cuban<br>4 ... Central or South American<br>5 ... Other and unknown Hispanic<br>9 ... Origin unknown or not stated |
| 78                   | 1                 | <b><u>ORRACEM</u></b><br><b><u>Hispanic Origin and Race of Mother Recode</u></b>  |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>   |
|--------------------------------|-----------------------------|--|
|                                |                             | <p>Hispanic origin is reported by all areas except Puerto Rico, and American Samoa</p> <p>1 ... Mexican<br/>2 ... Puerto Rican<br/>3 ... Cuban<br/>4 ... Central or South American<br/>5 ... Other and unknown Hispanic<br/>6 ... Non-Hispanic White<br/>7 ... Non-Hispanic Black<br/>8 ... Non-Hispanic other races<br/>9 ... Origin unknown or not stated</p>  |
| 79                             | 1                           | <p><b><u>MRACEIMP</u></b><br/><b><u>Race of Mother Imputation Flag</u></b></p> <p>Blank ... Race is not imputed<br/>1 ... Unknown race is imputed<br/>2 ... All other races, formerly code 09, is imputed</p>  |
| 80-81                          | 2                           | <p><b><u>MRACE</u></b><br/><b><u>Race of Mother</u></b></p> <p><b><u>United States occurrence</u></b><br/>Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been imputed.</p> <p>01 ... White</p> |
| 80-81                          | 2                           | <p><b><u>MRACE</u></b><br/><b><u>Race of Mother (Cont'd)</u></b></p> <p>02 ... Black<br/>03 ... American Indian (includes Aleuts and Eskimos)<br/>04 ... Chinese<br/>05 ... Japanese<br/>06 ... Hawaiian (includes part-Hawaiian)<br/>07 ... Filipino<br/>18 ... Asian Indian</p>  |

1999  
Detail Natality Record

| <u>Tape Location</u>                        | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|---|-------------------|---|
|   | 28                | ... Korean  |
|   | 38                | ... Samoan  |
|   | 48                | ... Vietnamese  |
|   | 58                | ... Guamanian   |
|   | 68                | ... Other Asian or Pacific Islander in areas reporting codes 18-58  |
|   | 78                | ... Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately |
| <br><b><u>Puerto Rico occurrence</u></b>    |                   |   |
|   | 01                | ... White   |
|   | 02                | ... Black   |
|   | 00                | ... Other races   |
| <br><b><u>Virgin Islands occurrence</u></b> |                   |   |
|   | 01                | ... White   |
|   | 02                | ... Black   |
|   | 03                | ... American Indian (includes Aleuts and Eskimos)   |
|   | 04                | ... Chinese   |
|   | 05                | ... Japanese  |
|   | 06                | ... Hawaiian (includes part-Hawaiian)   |
|   | 07                | ... Filipino  |
|   | 08                | ... Other Asian or Pacific Islander   |
| <br><b><u>Guam occurrence</u></b>           |                   |   |
|   | 01                | ... White   |
|   | 02                | ... Black   |
|   | 03                | ... American Indian (includes Aleuts and Eskimos)   |
|   | 04                | ... Chinese   |
|   | 05                | ... Japanese  |
|   | 06                | ... Hawaiian (includes part-Hawaiian)   |
|   | 07                | ... Filipino  |
|   | 08                | ... Other Asian or Pacific Islander   |
|   | 58                | ... Guamanian   |
| <br><b><u>American Samoa occurrence</u></b> |                   |   |
|   | 01                | ... White   |
|   | 02                | ... Black   |
|   | 03                | ... American Indian (includes Aleuts and Eskimos)   |
|   | 04                | ... Chinese   |



1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 80-81                | 2                 | <p><u>MRACE</u><br/><u>Race of Mother (Cont'd)</u></p> <p>05           ...    Japanese<br/>06           ...    Hawaiian (includes part-Hawaiian)<br/>07           ...    Filipino<br/>08           ...    Other Asian or Pacific Islander</p> <p><u>Northern Marianas occurrence</u></p> <p>01           ...    White<br/>02           ...    Black<br/>03           ...    American Indian (includes Aleuts and Eskimos)<br/>04           ...    Chinese<br/>05           ...    Japanese<br/>06           ...    Hawaiian (includes part-Hawaiian)<br/>07           ...    Filipino<br/>08           ...    Other Asian or Pacific Islander</p> |
| 82                   | 1                 | <p><u>MRACE3</u><br/><u>Race of Mother Recode</u></p> <p><u>For All Areas</u></p> <p>1            ...    White<br/>2            ...    Races other than White or Black<br/>3            ...    Black</p>  |
| 83-84                | 2                 | <p><u>DMEDUC</u><br/><u>Education of Mother</u></p> <p>Effective with 1992 data, all areas report education.</p> <p>00           ...    No formal education<br/>01-08       ...    Years of elementary school</p>   |
| 83-84                | 2                 | <p><u>DMEDUC</u><br/><u>Education of Mother</u></p> <p>09           ...    1 year of high school<br/>10           ...    2 years of high school<br/>11           ...    3 years of high school<br/>12           ...    4 years of high school<br/>13           ...    1 year of college<br/>14           ...    2 years of college</p>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
|                      |                   | 15      ...    3 years of college   |
|                      |                   | 16      ...    4 years of college   |
|                      |                   | 17      ...    5 or more years of college                                       |
|                      |                   | 99      ...    Not stated   |
| 85                   | 1                 | <b><u>MEDUC6</u></b><br><b><u>Education of Mother Recode</u></b>                |
|                      |                   | 1      ...    0 - 8 years   |
|                      |                   | 2      ...    9 - 11 years  |
|                      |                   | 3      ...    12 years  |
| 85                   | 1                 | <b><u>MEDUC6</u></b><br><b><u>Education of Mother Recode (Cont'd)</u></b>       |
|                      |                   | 4      ...    13 - 15 years   |
|                      |                   | 5      ...    16 years and over   |
|                      |                   | 6      ...    Not stated  |
| 86                   | 1                 | <b><u>DMARIMP</u></b><br><b><u>Marital Status of Mother Imputation Flag</u></b> |
|                      |                   | Blank    ... Marital Status is not imputed                                      |
|                      |                   | 1      ... Marital Status is imputed  |
| 87                   | 1                 | <b><u>DMAR</u></b><br><b><u>Marital Status of Mother</u></b>                    |
|                      |                   | Marital status is not reported by all areas. See reporting flags.               |
|                      |                   | <b><u>United States/Virgin Island/Guam/American Samoa/Northern Marianas</u></b> |
|                      |                   | 1      ...    Married   |
|                      |                   | 2      ...    Unmarried   |
|                      |                   | 9      ...    Unknown or not stated   |
|                      |                   | <b><u>Puerto Rico</u></b>   |
|                      |                   | 1      ...    Married   |
|                      |                   | 2      ...    Unmarried parents living together                                 |
|                      |                   | 3      ...    Unmarried parents not living together                             |
|                      |                   | 9      ...    Unknown or not stated   |
| 88-89                | 2                 | <b><u>MPLBIR</u></b><br><b><u>Place of Birth of Mother</u></b>                  |
|                      |                   | 01      ...    Alabama  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u> |
|----------------------|-------------------|------------------------------|
|                      |                   | 02 ... Alaska                |
|                      |                   | 03 ... Arizona               |
|                      |                   | 04 ... Arkansas              |
|                      |                   | 05 ... California            |
|                      |                   | 06 ... Colorado              |
|                      |                   | 07 ... Connecticut           |
|                      |                   | 08 ... Delaware              |
|                      |                   | 09 ... District of Columbia  |
|                      |                   | 10 ... Florida               |
|                      |                   | 11 ... Georgia               |
|                      |                   | 12 ... Hawaii                |
|                      |                   | 13 ... Idaho                 |
|                      |                   | 14 ... Illinois              |
|                      |                   | 15 ... Indiana               |
|                      |                   | 16 ... Iowa                  |
|                      |                   | 17 ... Kansas                |
|                      |                   | 18 ... Kentucky              |
|                      |                   | 19 ... Louisiana             |
|                      |                   | 20 ... Maine                 |
|                      |                   | 21 ... Maryland              |
|                      |                   | 22 ... Massachusetts         |
|                      |                   | 23 ... Michigan              |
|                      |                   | 24 ... Minnesota             |

88-89

2

MPLBIR

Place of Birth of Mother (Cont'd)

|  |  |                       |
|--|--|-----------------------|
|  |  | 25 ... Mississippi    |
|  |  | 26 ... Missouri       |
|  |  | 27 ... Montana        |
|  |  | 28 ... Nebraska       |
|  |  | 29 ... Nevada         |
|  |  | 30 ... New Hampshire  |
|  |  | 31 ... New Jersey     |
|  |  | 32 ... New Mexico     |
|  |  | 33 ... New York       |
|  |  | 34 ... North Carolina |
|  |  | 35 ... North Dakota   |
|  |  | 36 ... Ohio           |
|  |  | 37 ... Oklahoma       |
|  |  | 38 ... Oregon         |
|  |  | 39 ... Pennsylvania   |
|  |  | 40 ... Rhode Island   |
|  |  | 41 ... South Carolina |
|  |  | 42 ... South Dakota   |
|  |  | 43 ... Tennessee      |
|  |  | 44 ... Texas          |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
|                      |                   | 45      ...    Utah  |
|                      |                   | 46      ...    Vermont   |
|                      |                   | 47      ...    Virginia  |
|                      |                   | 48      ...    Washington  |
|                      |                   | 49      ...    West Virginia   |
|                      |                   | 50      ...    Wisconsin   |
|                      |                   | 51      ...    Wyoming   |
|                      |                   | 52      ...    Puerto Rico   |
|                      |                   | 53      ...    Virgin Islands  |
|                      |                   | 54      ...    Guam  |
|                      |                   | 61      ...    American Samoa  |
|                      |                   | 62      ...    Northern Marianas                                       |
|                      |                   | 55      ...    Canada  |
|                      |                   | 56      ...    Cuba  |
|                      |                   | 57      ...    Mexico  |
|                      |                   | 59      ...    Remainder of the World                                  |
|                      |                   | 99      ...    Not classifiable  |
| 90                   | 1                 | <b><u>MPLBIRR</u></b><br><b><u>Place of Birth of Mother Recode</u></b> |
|                      |                   | 1      ...    Native born  |
|                      |                   | 2      ...    Foreign born   |
|                      |                   | 3      ...    Unknown or not stated                                    |
| 91-92                | 2                 | <b><u>DMAGERPT</u></b><br><b><u>Reported Age of Mother</u></b>         |
|                      |                   | 10-54    ...    Age in single years                                    |
|                      |                   | 99      ...    Unknown or not stated                                   |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 93                   | 1                 | <p><b><u>ADEQUACY</u></b><br/><b><u>Adequacy Of Care Recode (Kessner Index)</u></b></p> <p>This recode is based on a modified Kessner criterion. Month Prenatal Care Began, Number of Prenatal Visits, and Gestation are the items used to generate this recode.</p> <p>1           ...   Adequate<br/>2           ...   Intermediate<br/>3           ...   Inadequate<br/>4           ...   Unknown</p> |
| 94-95                | 2                 | <p><b><u>NLBNI</u></b><br/><b><u>Number of Live Births, Now Living</u></b></p> <p>Does not include this birth or adoptions.</p> <p>00-30       ...   Stated number of births<br/>99           ...   Unknown or not stated</p>  |
| 96-97                | 2                 | <p><b><u>NLBND</u></b><br/><b><u>Number of Live Births, Now Dead</u></b></p> <p>Does not include this birth or adoptions.</p> <p>00-30       ...   Stated number of births<br/>99           ...   Unknown or not stated</p>  |
| 98-99                | 2                 | <p><b><u>NOTERM</u></b><br/><b><u>Number of Other Terminations</u></b></p> <p>Includes spontaneous and induced at any time after conception.</p> <p>00-30       ...   Stated number of other terminations<br/>99           ...   Unknown or not stated</p>   |
| 100-101              | 2                 | <p><b><u>DLIVORD</u></b><br/><b><u>Detail Live Birth Order</u></b></p> <p>Sum of live births now living and now dead plus one. If either item is unknown, this item is made unknown.</p> <p>00-31       ...   Number of children born alive to mother</p>  |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>                     |
|--------------------------------|-----------------------------|--|
|                                |                             | 99            ...    Unknown                     |
| 102                            | 1                           | <u>LIVORD9</u><br><u>Live Birth Order Recode</u> |
|                                |                             | 1            ...    First Child                  |
|                                |                             | 2            ...    Second Child                 |
|                                |                             | 3            ...    Third Child                  |
|                                |                             | 4            ...    Fourth Child                 |
|                                |                             | 5            ...    Fifth Child                  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 102                  | 1                 | <p><u>LIVORD9</u><br/><u>Live Birth Order Recode (Cont'd)</u></p> <p>6           ...   Sixth Child<br/>7           ...   Seventh Child<br/>8           ...   Eighth Child and over<br/>9           ...   Unknown or not stated</p>   |
| 103-104              | 2                 | <p><u>DTOTORD</u><br/><u>Detail Total Birth Order</u></p> <p>Sum of live birth order and other terminations.<br/>If either item is unknown, this item is made unknown.</p> <p>01-40       ...   Total number of live births and other terminations<br/>99           ...   Unknown</p>  |
| 105                  | 1                 | <p><u>TOTORD9</u><br/><u>Total Birth Order Recode</u></p> <p>1           ...   First Child<br/>2           ...   Second Child<br/>3           ...   Third Child<br/>4           ...   Fourth Child<br/>5           ...   Fifth Child<br/>6           ...   Sixth Child<br/>7           ...   Seventh Child<br/>8           ...   Eighth Child and over<br/>9           ...   Unknown or not stated</p>   |
| 106-107              | 2                 | <p><u>MONPRE</u><br/><u>Detail Month of Pregnancy Prenatal Care Began</u></p> <p>00           ...   No prenatal care<br/>01           ...   1st month<br/>02           ...   2nd month<br/>03           ...   3rd month<br/>04           ...   4th month<br/>05           ...   5th month<br/>06           ...   6th month<br/>07           ...   7th month<br/>08           ...   8th month<br/>09           ...   9th month<br/>99           ...   Unknown or not stated</p> |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 108                  | 1                 | <p><u>MPRE6</u><br/><u>Month Prenatal Care Began Recode 6</u></p> <p>1           ...    1st - 2nd month<br/>2           ...    3rd month<br/>3           ...    4th - 6th month<br/>4           ...    7th - 9th month<br/>5           ...    No prenatal care<br/>6           ...    Unknown or not stated</p>   |
| 109                  | 1                 | <p><u>MPRE5</u><br/><u>Month Prenatal Care Began Recode 5</u></p> <p>1           ...    1st Trimester (1st-3rd month)<br/>2           ...    2nd Trimester (4th-6th month)<br/>3           ...    3rd Trimester (7th-9th month)<br/>4           ...    No Prenatal Care<br/>5           ...    Unknown or not stated</p>  |
| 110-111              | 2                 | <p><u>NPREVIS</u><br/><u>Total Number of Prenatal Visits</u></p> <p>00           ...    No prenatal visits<br/>01-48       ...    Stated number of visits<br/>49           ...    49 or more visits<br/>99           ...    Unknown or not stated</p>   |
| 112-113              | 2                 | <p><u>NPREV12</u><br/><u>Number of Prenatal Visits Recode</u></p> <p>01           ...    No visits<br/>02           ...    1 - 2 visits<br/>03           ...    3 - 4 visits<br/>04           ...    5 - 6 visits<br/>05           ...    7 - 8 visits<br/>06           ...    9 - 10 visits<br/>07           ...    11 - 12 visits<br/>08           ...    13 - 14 visits<br/>09           ...    15 - 16 visits<br/>10           ...    17 - 18 visits<br/>11           ...    19 visits or more<br/>12           ...    Unknown or not stated number of visits</p> |



1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>                           |
|----------------------|-------------------|--|
| 114-121              | 8                 | <u>LMPDATE</u><br><u>Date Last Normal Menses Began</u> |
| 114-115              | 2                 | <u>LMPMON</u><br><u>Month Last Normal Menses Began</u> |
|                      |                   | 01      ...    January                                 |
|                      |                   | 02      ...    February                                |
|                      |                   | 03      ...    March                                   |
|                      |                   | 04      ...    April                                   |
|                      |                   | 05      ...    May                                     |
|                      |                   | 06      ...    June                                    |
|                      |                   | 07      ...    July                                    |
|                      |                   | 08      ...    August                                  |
|                      |                   | 09      ...    September                               |
|                      |                   | 10      ...    October                                 |
|                      |                   | 11      ...    November                                |
|                      |                   | 12      ...    December                                |
|                      |                   | 99      ...    Unknown or not stated month of LMP      |
| 116-117              | 2                 | <u>LMPDAY</u><br><u>Day Last Normal Menses Began</u>   |
|                      |                   | 01-31    ...    As applicable to month of LMP          |
|                      |                   | 99      ...    Unknown or not stated day of LMP        |
| 118-121              | 4                 | <u>LMPYR</u><br><u>Year Last Normal Menses Began</u>   |
|                      |                   | 1998    ...    1998                                    |
|                      |                   | 1999    ...    1999                                    |
|                      |                   | 9999    ...    Unknown or not stated year of LMP       |
| 122-132              | 11                | <u>R8</u><br>Item was dropped in 1994                  |
|                      |                   | <u>R8A</u><br><u>Reserved Position</u>                 |
| 133-137              | 5                 | <u>Imputed Birthweight</u>                             |

Created beginning with 1995 data

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 133                  | 1                 | <p><b><u>BWIMP</u></b><br/><b><u>Imputed Birthweight Flag</u></b></p> <p>Blank ... Birthweight is not imputed<br/>1 ... Birthweight is imputed</p>  |
| 134-137              | 4                 | <p><b><u>Imputed Birthweight</u></b></p> <p>0227-8165 ... Number of grams</p>   |
| 138-152              | 15                | <p><b><u>R2</u></b><br/><b><u>Reserved Positions</u></b></p>  |
| 153                  | 1                 | <p><b><u>FAGERFLG</u></b><br/><b><u>Reported Age of Father Used Flag</u></b></p> <p>This position is flagged whenever the father's reported age in years is used. The reported age is used, if valid, when age derived from date of birth is not available or when it is less than 10.</p> <p>Blank ... Reported age is not used<br/>1 ... Reported age is used</p> |
| 154-155              | 2                 | <p><b><u>DFAGE</u></b><br/><b><u>Age of Father</u></b></p> <p>This item is either computed from date of birth of father and of child or is the reported age. This is the age item used in NCHS publications.</p> <p>10-98 ... Age in single years<br/>99 ... Unknown or not stated</p>  |
| 156-157              | 2                 | <p><b><u>FAGE11</u></b><br/><b><u>Age of Father Recode</u></b></p> <p>01 ... Under 15 years<br/>02 ... 15 - 19 years<br/>03 ... 20 - 24 years<br/>04 ... 25 - 29 years<br/>05 ... 30 - 34 years<br/>06 ... 35 - 39 years<br/>07 ... 40 - 44 years<br/>08 ... 45 - 49 years<br/>09 ... 50 - 54 years<br/>10 ... 55 - 98 years</p>                                    |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>   |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
|--------------------------------|-----------------------------|--|---|-----|----------------|---|-----|---------|---|-----|--------------|---|-----|-------|---|-----|---------------------------|---|-----|----------------------------|---|-----|------------------------------|
|                                |                             | 11           ...   Not stated  |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 158                            | 1                           | <p><b><u>ORFATH</u></b><br/><b><u>Hispanic Origin of Father</u></b></p> <p>Hispanic origin of father is reported by all areas except Puerto Rico, Northern Marianas and American Samoa</p> <table border="0"> <tr><td>0</td><td>...</td><td>Non - Hispanic</td></tr> <tr><td>1</td><td>...</td><td>Mexican</td></tr> <tr><td>2</td><td>...</td><td>Puerto Rican</td></tr> <tr><td>3</td><td>...</td><td>Cuban</td></tr> <tr><td>4</td><td>...</td><td>Central or South American</td></tr> <tr><td>5</td><td>...</td><td>Other and unknown Hispanic</td></tr> <tr><td>9</td><td>...</td><td>Origin unknown or not stated</td></tr> </table> | 0 | ... | Non - Hispanic | 1 | ... | Mexican | 2 | ... | Puerto Rican | 3 | ... | Cuban | 4 | ... | Central or South American | 5 | ... | Other and unknown Hispanic | 9 | ... | Origin unknown or not stated |
| 0                              | ...                         | Non - Hispanic   |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 1                              | ...                         | Mexican  |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 2                              | ...                         | Puerto Rican   |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 3                              | ...                         | Cuban  |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 4                              | ...                         | Central or South American  |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 5                              | ...                         | Other and unknown Hispanic   |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |
| 9                              | ...                         | Origin unknown or not stated   |   |     |                |   |     |         |   |     |              |   |     |       |   |     |                           |   |     |                            |   |     |                              |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
|----------------------|-------------------|---|----|-----|---------|----|-----|--------------|----|-----|---|----|-----|---------------------------|----|-----|----------------------------|----|-----|-----------------------------------|----|-----|----------------------|----|-----|--------------------------------------|----|-----|------------------------------|----|-----|--------|----|-----|------------|----|-----|-----------|----|-----|--|----|-----|---|
| 159                  | 1                 | <p><b><u>ORRACEF</u></b><br/><b><u>Hispanic Origin and Race of Father Recode</u></b></p> <p>Hispanic origin of father is reported by all areas except Puerto Rico, Northern Marianas and American Samoa.</p> <table border="0"> <tr><td>1</td><td>...</td><td>Mexican</td></tr> <tr><td>2</td><td>...</td><td>Puerto Rican</td></tr> <tr><td>3</td><td>...</td><td>Cuban</td></tr> <tr><td>4</td><td>...</td><td>Central or South American</td></tr> <tr><td>5</td><td>...</td><td>Other and unknown Hispanic</td></tr> <tr><td>6</td><td>...</td><td>Non - Hispanic White</td></tr> <tr><td>7</td><td>...</td><td>Non - Hispanic Black</td></tr> <tr><td>8</td><td>...</td><td>Non - Hispanic other or unknown race</td></tr> <tr><td>9</td><td>...</td><td>Origin unknown or not stated</td></tr> </table>  | 1  | ... | Mexican | 2  | ... | Puerto Rican | 3  | ... | Cuban   | 4  | ... | Central or South American | 5  | ... | Other and unknown Hispanic | 6  | ... | Non - Hispanic White              | 7  | ... | Non - Hispanic Black | 8  | ... | Non - Hispanic other or unknown race | 9  | ... | Origin unknown or not stated |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 1                    | ...               | Mexican   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 2                    | ...               | Puerto Rican  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 3                    | ...               | Cuban   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 4                    | ...               | Central or South American   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 5                    | ...               | Other and unknown Hispanic  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 6                    | ...               | Non - Hispanic White  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 7                    | ...               | Non - Hispanic Black  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 8                    | ...               | Non - Hispanic other or unknown race  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 9                    | ...               | Origin unknown or not stated  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 160-161              | 2                 | <p><b><u>FRACE</u></b><br/><b><u>Race of Father</u></b><br/><b><u>United States occurrence</u></b></p> <p>Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been Changed to 99.</p> <table border="0"> <tr><td>01</td><td>...</td><td>White</td></tr> <tr><td>02</td><td>...</td><td>Black</td></tr> <tr><td>03</td><td>...</td><td>American Indian (includes Aleuts and Eskimos)</td></tr> <tr><td>04</td><td>...</td><td>Chinese</td></tr> <tr><td>05</td><td>...</td><td>Japanese</td></tr> <tr><td>06</td><td>...</td><td>Hawaiian (includes part-Hawaiian)</td></tr> <tr><td>07</td><td>...</td><td>Filipino</td></tr> <tr><td>18</td><td>...</td><td>Asian Indian</td></tr> <tr><td>28</td><td>...</td><td>Korean</td></tr> <tr><td>38</td><td>...</td><td>Samoan</td></tr> <tr><td>48</td><td>...</td><td>Vietnamese</td></tr> <tr><td>58</td><td>...</td><td>Guamanian</td></tr> <tr><td>68</td><td>...</td><td>Other Asian or Pacific Islander in areas reporting codes 18-58</td></tr> <tr><td>78</td><td>...</td><td>Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately</td></tr> </table> | 01 | ... | White   | 02 | ... | Black        | 03 | ... | American Indian (includes Aleuts and Eskimos) | 04 | ... | Chinese                   | 05 | ... | Japanese                   | 06 | ... | Hawaiian (includes part-Hawaiian) | 07 | ... | Filipino             | 18 | ... | Asian Indian                         | 28 | ... | Korean                       | 38 | ... | Samoan | 48 | ... | Vietnamese | 58 | ... | Guamanian | 68 | ... | Other Asian or Pacific Islander in areas reporting codes 18-58 | 78 | ... | Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately |
| 01                   | ...               | White   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 02                   | ...               | Black   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 03                   | ...               | American Indian (includes Aleuts and Eskimos)   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 04                   | ...               | Chinese   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 05                   | ...               | Japanese  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 06                   | ...               | Hawaiian (includes part-Hawaiian)   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 07                   | ...               | Filipino  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 18                   | ...               | Asian Indian  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 28                   | ...               | Korean  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 38                   | ...               | Samoan  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 48                   | ...               | Vietnamese  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 58                   | ...               | Guamanian   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 68                   | ...               | Other Asian or Pacific Islander in areas reporting codes 18-58  |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |
| 78                   | ...               | Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately   |    |     |         |    |     |              |    |     |   |    |     |                           |    |     |                            |    |     |                                   |    |     |                      |    |     |                                      |    |     |                              |    |     |        |    |     |            |    |     |           |    |     |  |    |     |   |

1999  
Detail Natality Record

**Tape  
Location**

**Field  
Size**

**Item and Code Outline**

99           ...    Unknown or Not Stated

**Puerto Rico occurrence**

01           ...    White  
02           ...    Black  
00           ...    Other races  
99           ...    Unknown or not stated

**Virgin Islands occurrence**

01           ...    White  
02           ...    Black

160-161

2

**FRACE**

**Race of Father (Cont'd)**

03           ...    American Indian (includes Aleuts and  
                          Eskimos)  
04           ...    Chinese  
05           ...    Japanese  
06           ...    Hawaiian (includes part-Hawaiian)  
07           ...    Filipino  
08           ...    Other Asian or Pacific Islander  
99           ...    Unknown or Not Stated

**Guam occurrence**

01           ...    White  
02           ...    Black  
03           ...    American Indian (includes Aleuts and  
                          Eskimos)  
04           ...    Chinese  
05           ...    Japanese  
06           ...    Hawaiian (includes part-Hawaiian)  
07           ...    Filipino  
08           ...    Other Asian or Pacific Islander  
58           ...    Guamanian  
99           ...    Unknown or Not Stated

**American Samoa occurrence**

01           ...    White  
02           ...    Black  
03           ...    American Indian (includes Aleuts and  
                          Eskimos)  
04           ...    Chinese  
05           ...    Japanese  
06           ...    Hawaiian (includes part-Hawaiian)  
07           ...    Filipino  
08           ...    Other Asian or Pacific Islander

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>                                     |
|--------------------------------|-----------------------------|--|
|                                |                             | 99           ...   Unknown or Not Stated                         |
|                                |                             | <b><u>Northern Marianas occurrence</u></b>                       |
|                                |                             | 01           ...   White   |
|                                |                             | 02           ...   Black   |
|                                |                             | 03           ...   American Indian (includes Aleuts and Eskimos) |
|                                |                             | 04           ...   Chinese                                       |
|                                |                             | 05           ...   Japanese                                      |
|                                |                             | 06           ...   Hawaiian (includes part-Hawaiian)             |
|                                |                             | 07           ...   Filipino                                      |
|                                |                             | 08           ...   Other Asian or Pacific Islander               |
| 162                            | 1                           | <b><u>FRACE4</u></b>   |
|                                |                             | <b><u>Race of Father Recode</u></b>                              |
|                                |                             | 1           ...   White  |
|                                |                             | 2           ...   Races other than White, Black, or unknown      |
|                                |                             | 3           ...   Black  |
|                                |                             | 4           ...   Unknown or not stated                          |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 163-165              | 3                 | <p><u>R2A</u><br/><u>Reserved positions</u></p> <p>Item was dropped in 1995</p>   |
| 166-167              | 2                 | <p><u>DFAGERPT</u><br/><u>Reported Age of Father</u></p> <p>10-98      ...    Age in single years<br/>99          ...    Unknown or not stated</p>  |
| 168                  | 1                 | <p><u>FRACEIMP</u><br/><u>Race of Father Imputation Flag</u></p> <p>(Unknown race of father is not imputed. However, the all other races code is changed to unknown.)</p> <p>Blank      ...    Race is not changed<br/>3          ...    All other races, formerly code 09, is changed to code 99</p>   |
| 169                  | 1                 | <p><u>R3</u><br/><u>Reserved Position</u></p>   |
| 170                  | 1                 | <p><u>CDOBMIMP</u><br/><u>Month of Birth of Child Imputation Flag</u></p> <p>Blank      ...    Month is not imputed<br/>1          ...    Month is imputed</p>  |
| 171                  | 1                 | <p><u>RB</u><br/><u>Reserved Position</u></p>   |
| 172-173              | 2                 | <p><u>BIRMON</u><br/><u>Month of Birth</u></p> <p>01          ...    January<br/>02          ...    February<br/>03          ...    March<br/>04          ...    April<br/>05          ...    May<br/>06          ...    June<br/>07          ...    July<br/>08          ...    August<br/>09          ...    September<br/>10          ...    October</p> |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
|                      |                   | 11           ...   November<br>12           ...   December  |
| 174-175              | 2                 | <b><u>RC</u></b><br><b><u>Reserved Positions</u></b>  |
| 176-179              | 4                 | <b><u>BIRYR</u></b><br><b><u>Year of Birth</u></b><br><br>1999           ...   1999   |
| 180                  | 1                 | <b><u>WEEKDAY</u></b><br><b><u>Day of Week Child Born</u></b><br><br>1           ...   Sunday<br>2           ...   Monday<br>3           ...   Tuesday<br>4           ...   Wednesday<br>5           ...   Thursday<br>6           ...   Friday<br>7           ...   Saturday   |
| 181                  | 1                 | <b><u>GESTESTM</u></b><br><b><u>Clinical Estimate of Gestation Used Flag</u></b><br><br>This position is flagged whenever the clinical estimate of gestation is used. It is used when gestation could not be computed or when the computed gestation is outside the 17-47 code range.<br><br>Blank           ...   Clinical Estimate is not used<br>1           ...   Clinical Estimate is used |
| 182                  | 1                 | <b><u>GESTIMP</u></b><br><b><u>Gestation Imputation Flag</u></b><br><br>Blank           ...   Gestation is not imputed<br>1           ...   Gestation is imputed  |
| 183-184              | 2                 | <b><u>DGESTAT</u></b><br><b><u>Gestation - Detail in Weeks</u></b><br><br>This item is: a) computed using dates of birth of child and last normal menses; b) imputed from LMP date; c) the clinical estimate; or d) unknown when there is insufficient data to impute or no valid   |



1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>   |
|--------------------------------|-----------------------------|--|
|                                |                             | clinical estimate. This is the gestation item used in NCHS publications. |
|                                |                             | 17-47     ...    17th through 47th week of gestation                     |
|                                |                             | 99        ...    Unknown   |
| 185-186                        | 2                           | <u>GESTAT10</u><br><u>Gestation Recode 10</u>                            |
|                                |                             | 01        ...    Under 20 weeks  |
|                                |                             | 02        ...    20 - 27 weeks   |
|                                |                             | 03        ...    28 - 31 weeks   |
|                                |                             | 04        ...    32 - 35 weeks   |
|                                |                             | 05        ...    36 weeks  |
|                                |                             | 06        ...    37 - 39 weeks   |
|                                |                             | 07        ...    40 weeks  |
|                                |                             | 08        ...    41 weeks  |
|                                |                             | 09        ...    42 weeks and over                                       |
|                                |                             | 10        ...    Not stated  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 187                  | 1                 | <u>GESTAT3</u><br><u>Gestation Recode 3</u><br><br>1           ...   Under 37 weeks<br>2           ...   37 weeks and over<br>3           ...   Not stated   |
| 188                  | 1                 | <u>CSEXIMP</u><br><u>Sex Imputation Flag</u><br><br>Blank       ...   Sex is not imputed<br>1           ...   Sex is imputed   |
| 189                  | 1                 | <u>CSEX</u><br><u>Sex</u><br><br>1           ...   Male<br>2           ...   Female  |
| 190-192              | 3                 | <u>RD</u><br><u>Reserved Positions</u>   |
| 193-196              | 4                 | <u>DBIRWT</u><br><u>Birth Weight - Detail in Grams</u><br><br>0227-8165 ...   Number of grams<br>9999       ...   Not stated birth weight  |
| 197-198              | 2                 | <u>BIRWT12</u><br><u>Birth Weight Recode 12</u><br><br>01           ...   499 grams or less<br>02           ...   500 - 999 grams<br>03           ...   1000 - 1499 grams<br>04           ...   1500 - 1999 grams<br>05           ...   2000 - 2499 grams<br>06           ...   2500 - 2999 grams<br>07           ...   3000 - 3499 grams<br>08           ...   3500 - 3999 grams<br>09           ...   4000 - 4499 grams<br>10           ...   4500 - 4999 grams<br>11           ...   5000 - 8165 grams<br>12           ...   Not stated |
| 199                  | 1                 | <u>BIRWT4</u><br><u>Birth Weight Recode 4</u>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>               |
|----------------------|-------------------|--|
|                      |                   | 1           ...   1499 grams or less       |
|                      |                   | 2           ...   1500 - 2499 grams        |
|                      |                   | 3           ...   2500 - grams or more     |
|                      |                   | 4           ...   Unknown or not stated    |
| 200                  | 1                 | <u>PLURIMP</u>                             |
|                      |                   | <u>Plurality Imputation Flag</u>           |
|                      |                   | Blank       ...   Plurality is not imputed |
|                      |                   | 1           ...   Plurality is imputed     |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 201                  | 1                 | <p><b><u>DPLURAL</u></b><br/><b><u>Plurality</u></b></p> <p>1           ...   Single<br/>2           ...   Twin<br/>3           ...   Triplet<br/>4           ...   Quadruplet<br/>5           ...   Quintuplet or higher</p>   |
| 202-204              | 3                 | <p><b><u>R6</u></b><br/><b><u>Reserved positions</u></b></p> <p>Item was dropped in 1995</p>  |
| 205-206              | 2                 | <p><b><u>FMAPS</u></b><br/><b><u>Five Minute Apgar Score</u></b></p> <p>Apgar Score is not reported by all areas. See reporting flags.</p> <p>00-10       ...   A score of 0-10<br/>99           ...   Unknown or not stated</p>  |
| 207                  | 1                 | <p><b><u>FMAPSR</u></b><br/><b><u>Five Minute Apgar Score Recode</u></b></p> <p>Apgar Score is not reported by all areas. See reporting flags.</p> <p>1           ...   A score of 0-3<br/>2           ...   A score of 4-6<br/>3           ...   A score of 7-8<br/>4           ...   A score of 9-10<br/>5           ...   Not stated</p> |
| 208-209              | 2                 | <p><b><u>CLINGEST</u></b><br/><b><u>Clinical Estimate of Gestation</u></b></p> <p>Clinical estimate is not reported by all areas. See reporting flags.</p> <p>17-47       ...   Estimated gestation in weeks<br/>99           ...   Unknown or not stated</p>   |
| 210-216              | 7                 | <p><b><u>R4</u></b><br/><b><u>Reserved Positions</u></b></p>  |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u> |
|--------------------------------|-----------------------------|------------------------------|
|--------------------------------|-----------------------------|------------------------------|

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
|----------------------|-------------------|--|---|-----|---------------------|---|-----|-------------------------|---|-----|---------------------------|---|-----|------------------------------|
| 217-306              | 90                | <p><u>MEDINFO</u><br/><u>Medical and Health Data</u></p> <p>Some States do not report an entire item while other States do not report all of the categories within an item.</p> <p>If an item is not reported, it is indicated by code zero in the appropriate reporting flag.</p> <p>If a category within an item is not reported it is indicated by code 8 in the position for that category.</p>  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 217-222              | 6                 | <p><u>DELMETH</u><br/><u>Method of Delivery</u></p> <p>Each method is assigned a separate position, and the code structure for each method (position) is:</p> <table style="margin-left: 40px;"> <tr> <td>1</td> <td>...</td> <td>The method was used</td> </tr> <tr> <td>2</td> <td>...</td> <td>The method was not used</td> </tr> <tr> <td>8</td> <td>...</td> <td>Method not on certificate</td> </tr> <tr> <td>9</td> <td>...</td> <td>Method unknown or not stated</td> </tr> </table> | 1 | ... | The method was used | 2 | ... | The method was not used | 8 | ... | Method not on certificate | 9 | ... | Method unknown or not stated |
| 1                    | ...               | The method was used  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 2                    | ...               | The method was not used  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 8                    | ...               | Method not on certificate  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 9                    | ...               | Method unknown or not stated   |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 217                  | 1                 | <p><u>VAGINAL</u><br/><u>Vaginal</u></p>   |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 218                  | 1                 | <p><u>VBAC</u><br/><u>Vaginal birth after previous C-section</u></p>   |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 219                  | 1                 | <p><u>PRIMAC</u><br/><u>Primary C -section</u></p>   |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 220                  | 1                 | <p><u>REPEAC</u><br/><u>Repeat C -section</u></p>  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 221                  | 1                 | <p><u>FORCEP</u><br/><u>Forceps</u></p>  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 222                  | 1                 | <p><u>VACUUM</u><br/><u>Vacuum</u></p>   |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 223                  | 1                 | <p><u>R5</u><br/><u>Reserved Position</u></p>  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |
| 224                  | 1                 | <p><u>DELMETH5</u><br/><u>Method of Delivery Recode</u></p>  |   |     |                     |   |     |                         |   |     |                           |   |     |                              |



1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 225-241              | 17                | <p><u>MEDRISK</u><br/><u>Medical Risk Factors</u></p> <p>Each risk factor is assigned a separate position, and the code structure for each risk factor (position) is:</p> <p>1           ...   Factor reported<br/>2           ...   Factor not reported<br/>8           ...   Factor not on certificate<br/>9           ...   Factor not classifiable</p> |
| 225                  | 1                 | <p><u>ANEMIA</u><br/><u>Anemia (Hct.&lt;30/Hgb.&lt;10)</u></p>   |
| 226                  | 1                 | <p><u>CARDIAC</u><br/><u>Cardiac disease</u></p>   |
| 227                  | 1                 | <p><u>LUNG</u><br/><u>Acute or chronic lung disease</u></p>  |
| 228                  | 1                 | <p><u>DIABETES</u><br/><u>Diabetes</u></p>   |
| 229                  | 1                 | <p><u>HERPES</u><br/><u>Genital herpes</u></p>   |
| 230                  | 1                 | <p><u>HYDRA</u><br/><u>Hydramnios/Oligohydramnios</u></p>  |
| 231                  | 1                 | <p><u>HEMO</u><br/><u>Hemoglobinopathy</u></p>   |
| 232                  | 1                 | <p><u>CHYPER</u><br/><u>Hypertension, chronic</u></p>  |
| 233                  | 1                 | <p><u>PHYPER</u><br/><u>Hypertension, pregnancy-associated</u></p>   |
| 234                  | 1                 | <p><u>ECLAMP</u><br/><u>Eclampsia</u></p>  |
| 235                  | 1                 | <p><u>INCERVIX</u><br/><u>Incompetent cervix</u></p>   |
| 236                  | 1                 | <p><u>PRE4000</u><br/><u>Previous infant 4000+ grams</u></p>   |



1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>  |
|--------------------------------|-----------------------------|---|
| 237                            | 1                           | <u>PRETERM</u><br><u>Previous preterm or small-for-gestational-age infant</u> |
| 238                            | 1                           | <u>RENAL</u><br><u>Renal disease</u>  |
| 239                            | 1                           | <u>RH</u><br><u>Rh sensitization</u>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 240                  | 1                 | <u>UTERINE</u><br><u>Uterine bleeding</u>                           |
| 241                  | 1                 | <u>OTHERMR</u><br><u>Other Medical Risk Factors</u>                 |
| 242-252              | 11                | <u>OTHERRSK</u><br><u>Other Risk Factors for this Pregnancy</u>     |
| 242-245              | 4                 | <u>TOBACRSK</u><br><u>Tobacco Risks</u>                             |
| 242                  | 1                 | <u>TOBACCO</u><br><u>Tobacco Use During Pregnancy</u>               |
|                      |                   | 1           ...    Yes  |
|                      |                   | 2           ...    No   |
|                      |                   | 9           ...    Unknown or not stated                            |
| 243-244              | 2                 | <u>CIGAR</u><br><u>Average Number of Cigarettes Per Day</u>         |
|                      |                   | 00-97       ...    As stated  |
|                      |                   | 98          ...    98 or more cigarettes per day                    |
|                      |                   | 99          ...    Unknown or not stated                            |
| 245                  | 1                 | <u>CIGAR6</u><br><u>Average Number of Cigarettes Per Day Recode</u> |
|                      |                   | 0           ...    Nonsmoker  |
|                      |                   | 1           ...    1 - 5 cigarettes per day                         |
|                      |                   | 2           ...    6 - 10 cigarettes per day                        |
|                      |                   | 3           ...    11 - 20 cigarettes per day                       |
|                      |                   | 4           ...    21 - 40 cigarettes per day                       |
|                      |                   | 5           ...    41 or more cigarettes per day                    |
|                      |                   | 6           ...    Unknown or not stated                            |
| 246-249              | 4                 | <u>ALCOHRSK</u><br><u>Alcohol</u>                                   |
| 246                  | 1                 | <u>ALCOHOL</u><br><u>Alcohol Use During Pregnancy</u>               |
|                      |                   | 1           ...    Yes  |
|                      |                   | 2           ...    No   |
|                      |                   | 9           ...    Unknown or not stated                            |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>   |
|--------------------------------|-----------------------------|--|
| 247-249                        | 2                           | <u>DRINK</u><br><u>Average Number of Drinks Per Week</u><br><br>00-97     ...     As stated<br>98        ...     98 or more drinks per week<br>99        ...     Unknown or not stated |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 249                  | 1                 | <p><u>DRINK5</u><br/><u>Average Number of Drinks Per Week Recode</u></p> <p>0           ...    Non drinker<br/>1           ...    1 drink per week<br/>2           ...    2 drinks per week<br/>3           ...    3 - 4 drinks per week<br/>4           ...    5 or more drinks per week<br/>5           ...    Unknown or not stated</p>  |
| 250-252              | 3                 | <p><u>WTGANRSK</u><br/><u>Weight Gain During Pregnancy</u></p>  |
| 250-251              | 2                 | <p><u>WTGAIN</u><br/><u>Weight Gain</u></p> <p>00-97       ...    Stated number of pounds<br/>98           ...    98 pounds or more<br/>99           ...    Unknown or not stated</p>   |
| 252                  | 1                 | <p><u>WTGAIN9</u><br/><u>Weight Gain Recode</u></p> <p>1           ...    Less than 16 pounds<br/>2           ...    16 - 20 pounds<br/>3           ...    21 - 25 pounds<br/>4           ...    26 - 30 pounds<br/>5           ...    31 - 35 pounds<br/>6           ...    36 - 40 pounds<br/>7           ...    41 - 45 pounds<br/>8           ...    46 or more pounds<br/>9           ...    Unknown or not stated</p> |
| 253-259              | 7                 | <p><u>OBSTETRC</u></p> <p><u>Obstetric Procedures</u></p> <p>Each procedure is assigned a separate position, and the code structure for each procedure (position) is:</p> <p>1           ...    Procedure reported<br/>2           ...    Procedure not reported<br/>8           ...    Procedure not on certificate<br/>9           ...    Procedure not classifiable</p>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 253                  | 1                 | <u>AMNIO</u><br><u>Amniocentesis</u>  |
| 254                  | 1                 | <u>MONITOR</u><br><u>Electronic fetal monitoring</u>  |
| 255                  | 1                 | <u>INDUCT</u><br><u>Induction of labor</u>  |
| 256                  | 1                 | <u>STIMULA</u><br><u>Stimulation of labor</u>   |
| 257                  | 1                 | <u>TOCOL</u><br><u>Tocolysis</u>  |
| 258                  | 1                 | <u>ULTRAS</u><br><u>Ultrasound</u>  |
| 259                  | 1                 | <u>OTHEROB</u><br><u>Other Obstetric Procedures</u>   |
| 260-275              | 16                | <u>LABOR</u><br><u>Complications of Labor and/or Delivery</u><br><br>Each complication is assigned a separate position,<br>and the code structure for each complication<br>(position) is:<br><br>1           ...    Complication reported<br>2           ...    Complication not reported<br>8           ...    Complication not on certificate<br>9           ...    Complication not classifiable |
| 260                  | 1                 | <u>FEBRILE</u><br><u>Febrile (&gt;100 degrees F. or 38 degrees C.)</u>  |
| 261                  | 1                 | <u>MECONIUM</u><br><u>Meconium, moderate/heavy</u>  |
| 262                  | 1                 | <u>RUPTURE</u><br><u>Premature rupture of membrane (&gt;12 hours)</u>   |
| 263                  | 1                 | <u>ABRUPTIO</u><br><u>Abruptio placenta</u>   |
| 264                  | 1                 | <u>PREPLACE</u><br><u>Placenta previa</u>   |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>                            |
|--------------------------------|-----------------------------|---|
| 265                            | 1                           | <u>EXCEBLD</u><br><u>Other excessive bleeding</u>       |
| 266                            | 1                           | <u>SEIZURE</u><br><u>Seizures during labor</u>          |
| 267                            | 1                           | <u>PRECIP</u><br><u>Precipitous labor (&lt;3 hours)</u> |
| 268                            | 1                           | <u>PROLONG</u><br><u>Prolonged labor (&gt;20 hours)</u> |
| 269                            | 1                           | <u>DYSFUNC</u><br><u>Dysfunctional labor</u>            |
| 270                            | 1                           | <u>BREECH</u><br><u>Breech/Malpresentation</u>          |
| 271                            | 1                           | <u>CEPHALO</u><br><u>Cephalopelvic disproportion</u>    |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>   |
|----------------------|-------------------|--|
| 272                  | 1                 | <u>CORD</u><br><u>Cord prolapse</u>                                  |
| 273                  | 1                 | <u>ANESTHE</u><br><u>Anesthetic complications</u>                    |
| 274                  | 1                 | <u>DISTRESS</u><br><u>Fetal distress</u>                             |
| 275                  | 1                 | <u>OTHERLB</u><br><u>Other Complication of Labor and/or Delivery</u> |
| 276-284              | 9                 | <u>NEWBORN</u><br><u>Abnormal Conditions of the Newborn</u>          |

Each condition is assigned a separate position, and the code structure for each condition (position) is:

|   |     |                              |
|---|-----|------------------------------|
| 1 | ... | Condition reported           |
| 2 | ... | Condition not reported       |
| 8 | ... | Condition not on certificate |
| 9 | ... | Condition not classifiable   |

|     |   |  |
|-----|---|--|
| 276 | 1 | <u>NANEMIA</u><br><u>Anemia (Hct.&lt;39/Hgb.&lt;13)</u>            |
| 277 | 1 | <u>INJURY</u><br><u>Birth injury</u>                               |
| 278 | 1 | <u>ALCOSYN</u><br><u>Fetal alcohol syndrome</u>                    |
| 279 | 1 | <u>HYALINE</u><br><u>Hyaline membrane disease</u>                  |
| 280 | 1 | <u>MECONSYN</u><br><u>Meconium aspiration syndrome</u>             |
| 281 | 1 | <u>VENL30</u><br><u>Assisted ventilation, less than 30 minutes</u> |
| 282 | 1 | <u>VEN30M</u><br><u>Assisted ventilation, 30 minutes or more</u>   |
| 283 | 1 | <u>NSEIZ</u><br><u>Seizures</u>                                    |

1999  
Detail Natality Record

| <u>Tape</u><br><u>Location</u> | <u>Field</u><br><u>Size</u> | <u>Item and Code Outline</u>                                      |
|--------------------------------|-----------------------------|---|
| 284                            | 1                           | <u>OTHERAB</u><br><u>Other Abnormal Conditions of the Newborn</u> |



1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 285-306              | 22                | <p><u>CONGENIT</u><br/><u>Congenital Anomalies</u></p> <p>Each anomaly is assigned a separate position, and the code structure for each anomaly (position) is:</p> <p>1           ...    Anomaly reported<br/>2           ...    Anomaly not reported<br/>8           ...    Anomaly not on certificate<br/>9           ...    Anomaly not classifiable</p> |
| 285                  | 1                 | <p><u>ANEN</u><br/><u>Anencephalus</u></p>  |
| 286                  | 1                 | <p><u>SPINA</u><br/><u>Spina bifida/Meningocele</u></p>   |
| 287                  | 1                 | <p><u>HYDRO</u><br/><u>Hydrocephalus</u></p>  |
| 288                  | 1                 | <p><u>MICROCE</u><br/><u>Microcephalus</u></p>  |
| 289                  | 1                 | <p><u>NERVOUS</u><br/><u>Other central nervous system anomalies</u></p>   |
| 290                  | 1                 | <p><u>HEART</u><br/><u>Heart malformations</u></p>  |
| 291                  | 1                 | <p><u>CIRCUL</u><br/><u>Other circulatory/respiratory anomalies</u></p>   |
| 292                  | 1                 | <p><u>RECTAL</u><br/><u>Rectal atresia/stenosis</u></p>   |
| 293                  | 1                 | <p><u>TRACHEO</u><br/><u>Tracheo - esophageal fistula/Esophageal atresia</u></p>  |
| 294                  | 1                 | <p><u>OMPHALO</u><br/><u>Omphalocele/Gastroschisis</u></p>  |
| 295                  | 1                 | <p><u>GASTRO</u><br/><u>Other gastrointestinal anomalies</u></p>  |
| 296                  | 1                 | <p><u>GENITAL</u><br/><u>Malformed genitalia</u></p>  |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 297                  | 1                 | <u>RENALAGE</u><br><u>Renal agenesia</u>                              |
| 298                  | 1                 | <u>UROGEN</u><br><u>Other urogenital anomalies</u>                    |
| 299                  | 1                 | <u>CLEFTLP</u><br><u>Cleft lip/palate</u>                             |
| 300                  | 1                 | <u>ADACTYLY</u><br><u>Polydactyly/Syndactyly/Adactyly</u>             |
| 301                  | 1                 | <u>CLUBFOOT</u><br><u>Club foot</u>                                   |
| 302                  | 1                 | <u>HERNIA</u><br><u>Diaphragmatic hernia</u>                          |
| 303                  | 1                 | <u>MUSCULO</u><br><u>Other musculoskeletal/integumental anomalies</u> |
| 304                  | 1                 | <u>DOWNS</u><br><u>Down's syndrome</u>                                |
| 305                  | 1                 | <u>CHROMO</u><br><u>Other chromosomal anomalies</u>                   |
| 306                  | 1                 | <u>OTHERCON</u><br><u>Other Congenital Anomalies</u>                  |
| 307-326              | 20                | <u>FLRES</u><br><u>Reporting Flags for Place of Residence</u>         |

These positions contain flags to indicate whether or not the specified item is included on the birth certificate of the State of residence or of the MSA of residence. The code structure for each flag (position) is:

|   |     |   |
|---|-----|---|
| 0 | ... | The item is not reported                    |
| 1 | ... | The item is reported or partially reported. |

|     |   |   |
|-----|---|---|
| 307 | 1 | <u>ORIGM</u><br><u>Origin of mother</u> |
| 308 | 1 | <u>ORIGF</u>                            |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>                                   |
|----------------------|-------------------|--|
|                      |                   | <u>Origin of father</u>  |
| 309                  | 1                 | <u>EDUCM</u><br><u>Education of mother</u>                     |
| 310                  | 1                 | <u>EDUCF</u><br><u>Education of father</u>                     |
| 311                  | 1                 | <u>GESTE</u><br><u>Clinical estimate of gestation</u>          |
| 312                  | 1                 | <u>R6A</u><br><u>Reserved position</u>                         |
| 313                  | 1                 | <u>FMAPSRF</u><br><u>5 - minute Apgar score</u>                |
| 314                  | 1                 | <u>DELMETRF</u><br><u>Method of delivery</u>                   |
| 315                  | 1                 | <u>MEDRSK</u><br><u>Medical risk factors</u>                   |
| 316                  | 1                 | <u>TOBUSE</u><br><u>Tobacco use</u>                            |
| 317                  | 1                 | <u>ALCUSE</u><br><u>Alcohol use</u>                            |
| 318                  | 1                 | <u>WTGN</u><br><u>Weight gain</u>                              |
| 319                  | 1                 | <u>OBSTRC</u><br><u>Obstetric procedures</u>                   |
| 320                  | 1                 | <u>CLABOR</u><br><u>Complications of labor and/or delivery</u> |
| 321                  | 1                 | <u>ABNML</u><br><u>Abnormal conditions of newborn</u>          |
| 322                  | 1                 | <u>CONGAN</u><br><u>Congenital anomalies</u>                   |
| 323                  | 1                 | <u>R6</u><br><u>Reserved Position</u>                          |

1999  
Detail Natality Record

| <u>Tape Location</u> | <u>Field Size</u> | <u>Item and Code Outline</u>  |
|----------------------|-------------------|---|
| 324                  | 1                 | <u>EDUCMSA</u><br><u>Education of Mother (Based on MSA)</u>                   |
| 325                  | 1                 | <u>APIFLAG</u><br><u>Race codes 18-68 reported (beginning with 1992 data)</u> |
| 326-346              | 21                | <u>R7</u><br><u>Reserved positions</u>  |
| 347-349              | 3                 | <u>SMSARES</u><br><u>PSMA/MSA of Residence (NCHS)</u>                         |

Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Management and Budget (OMB) as of June 30, 1990. For New England, the New England County Metropolitan Areas (NECMA's) are used.

Further back in this document is a list of PMSA's, MSA's, NECMA's, and their component counties.

|         |     |                                      |
|---------|-----|--------------------------------------|
| 000     | ... | Nonmetropolitan counties             |
| 001-320 | ... | Code range                           |
| 999     | ... | Area of less than 100,000 population |
| ZZZ     | ... | Foreign residents                    |

1999  
Detail Natality Record

**Tape  
Location**

**Field  
Size**

**Item and Code Outline**

350

1

**POPSMAS**

**PMSA/MSA Population Size**

Based on 1990 Census county population counts

|   |     |  |
|---|-----|--|
| 1 | ... | Area of 250,000 or more                              |
| 2 | ... | Area of 100,000 to 250,000                           |
| 9 | ... | Area of less than 100,000 or<br>nonmetropolitan area |
| Z | ... | Foreign resident                                     |

## Vital Statistics Geographic Code Outline for the United States

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in the United States. When an event occurs to a nonresident of the United States, residence data are coded only to the "State" level; several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. The Metropolitan Statistical Area codes are effective with the 1996 data year and are based on the 1990 Census.

To aid the user in interpreting the geographic codes, a brief explanation of the codes and of the column headings/abbreviations shown on the following pages are:

**State (St):** Each State and the District of Columbia are numbered alphabetically. In addition, several unique codes are used to identify nonresidents of the U.S.

**County (Cnty):** Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State.

**P/MSA:** Primary metropolitan statistical areas and metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts. For New England, the New England County Metropolitan Areas (NECMA) are used.

**M/NM:** Metropolitan counties (code 1) are component counties of P/MSA's. Nonmetropolitan counties (code 2) are not part of any P/MSA.

**City or place:** Cities/places are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 1990.

**P/S:** Population size code for city of residence based on the 1990 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

**Name:** Each State, county, and city name is listed along with its respective code. In addition, places used to identify nonresidents of the U.S. are also listed along with their codes.

**FIPS:** For an explanation of FIPS codes, reference should be made to various National Institute of Standards & Technology (NITS) publications.

So! How do I find Yavapai county, Arizona; or Tupelo city, Mississippi?

Since counties and cities/places are numbered within State, the State and county or the State and city/places codes must be used to select these areas. It is most helpful if the county is known when looking for a particular city since areas are shown by State, county, and city.

Yavapai county, Arizona - State and county codes NCHS: 03 014; FIPS: 04 025.

Tupelo, Mississippi - State and city/place codes NCHS: 25 032; FIPS: 28 74840; or State, county, city/place codes NCHS: 25 041 032; FIPS: 28 081 74840.

## Vital Statistics Geographic Code Outline for Puerto Rico, Virgin Islands, Guam, American Samoa and Northern Marianas

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in Puerto Rico, the Virgin Islands, or Guam. When an event occurs to a nonresident of these areas, residence data are coded only to the "State" level; each U.S. state, several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes, the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. Codes are effective with the 1994 data year and are based on results of the 1990 Census.

To aid the user in interpreting the geographic codes, a brief explanation of the codes and of the column headings/abbreviations shown on the following pages are:

### Puerto Rico:

State (St): Puerto Rico has its own unique code. In addition, several unique codes are used to identify nonresidents of Puerto Rico.

County (Cnty): Each municipio (county equivalent) is numbered alphabetically.

P/MSA: Primary metropolitan statistical areas and metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts.

M/NM: Metropolitan counties (code 1) are component counties of P/MSA's. Nonmetropolitan counties (code 2) are not part of any P/MSA.

City or Place: No city/places in Puerto Rico are identified.

Name: Puerto Rico and each municipio are listed along with their respective codes. In addition, places used to identify nonresidents of Puerto Rico are also listed along with their codes.

FIPS: For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

### Virgin Islands:

State (St): The Virgin Islands has its own unique code. In addition, several unique codes are used to identify nonresidents of the Virgin Islands.

County (Cnty): Several Islands (county equivalent) are numbered alphabetically.

P/MSA: None are identified in the Virgin Islands.

M/NM: No metropolitan areas are identified for the Virgin Islands.

City or Place: City/places are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 1990.

P/S: Population size code for city of residence based on the 1990 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

Name: The Virgin Islands as a whole and several islands are listed along with their respective codes. In addition, places used to identify nonresidents of the Virgin Islands are also listed along with their codes.

Guam:

State (St): Guam has its own unique code. In addition, several unique codes are used to identify nonresidents of Guam.

County (Cnty): None are identified in Guam

P/MSA: None are identified in Guam.

M/NM: No metropolitan areas are identified for Guam.

City or Place: None are identified in Guam.

P/S: No population size groups are identified for Guam.

Name: Guam as a whole is listed along with its respective code. In addition, places used to identify nonresidents of Guam are also listed along with their codes.

American Samoa:

State (St): American Samoa has its own unique code. In addition, several unique codes are used to identify nonresidents of American Samoa.

County (Cnty): None are identified in American Samoa

P/MSA: None are identified in American Samoa.

M/NM: No metropolitan areas are identified for American Samoa.

City or Place: None are identified in American Samoa.

P/S: No population size groups are identified for American Samoa.

Name: American Samoa as a whole is listed along with its respective code. In addition, places used to identify nonresidents of American Samoa are also listed along with their codes.

Northern Marianas:

State (St): Northern Marianas has its own unique code. In addition, several unique codes are used to identify nonresidents of Northern Marianas.

County (Cnty): None are identified in Northern Marianas.

P/MSA: None are identified in Northern Marianas.

M/NM: No metropolitan areas are identified for Northern Marianas.



City or Place: None are identified in Northern Marianas.

P/S: No population size groups are identified for Northern Marianas.

Name: Northern Marianas as a whole is listed along with its respective code. In addition, places used to identify nonresidents of Northern Marianas are also listed along with their codes.

## Vital Statistics Geographic Code Outline for the United States

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in the United States. When an event occurs to a nonresident of the United States, residence data are coded only to the "State" level; several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes, the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. Codes are effective with the 1998 data year and are based on the 1990 Census.

To aid the user in interpreting the geographic codes, a brief explanation of the codes and of the column headings/abbreviations shown on the following pages are:

State (St): Each State and the District of Columbia are numbered alphabetically. In addition, several unique codes are used to identify nonresidents of the U.S.

County (Cnty): Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each state.

P/MSA: Primary metropolitan statistical areas and metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts. For New England, the New England County Metropolitan Areas (NECMA) are used.

M/NM: Metropolitan counties (code 1) are component counties of P/MSA's. Nonmetropolitan counties (code 2) are not part of any P/MSA.

City or Place: Cities/Places are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 1990.

P/S: Population size code for city/place of residence based on the 1990 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

Name: Each State, county, and city name is listed along with its respective code. In addition, places used to identify nonresidents of the U.S. are also listed along with their codes.

FIPS: For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

So! How do I find Yavapai county, Arizona; or Tupelo city, Mississippi?

Since counties and cities/places are numbered within State, the State and county or the State and city/places codes must be used to select these areas. It is most helpful if the county is known when looking for a particular city since areas are shown by State, county, and city/place.

Yavapai county, Arizona - State and county codes NCHS: 03 014; FIPS: 04 025.

Tupelo, Mississippi - State and city/place codes NCHS: 25 032; FIPS: 28 74840; or State, county, city/place codes NCHS: 25 041 032; FIPS: 28 081 74840.

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 01                     |      |       |      |      |            | Alabama           | 01 |      |     |       |       |
|                        | 001  | 188   | 1    |      |            | Autauga           |    | 001  | 5   | 5240  |       |
|                        |      |       |      | 035  | 6          | Prattville, part  |    |      |     |       | 62328 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 184   | 1    |      |            | Baldwin           |    | 003  | 4   | 5160  |       |
|                        |      |       |      | 010  | 6          | Daphne            |    |      |     |       | 19648 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Barbour           |    | 005  | 5   | 0000  |       |
|                        |      |       |      | 014  | 6          | Eufaula           |    |      |     |       | 24568 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |      |            | Bibb              |    | 007  | 6   | 0000  |       |
|                        | 005  | 032   | 1    |      |            | Blount            |    | 009  | 5   | 1000  |       |
|                        | 006  | 000   | 2    |      |            | Bullock           |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    |      |            | Butler            |    | 013  | 6   | 0000  |       |
|                        | 008  | 012   | 1    |      |            | Calhoun           |    | 015  | 3   | 0450  |       |
|                        |      |       |      | 004  | 5          | Anniston          |    |      |     |       | 01852 |
|                        |      |       |      | 024  | 6          | Jacksonville      |    |      |     |       | 38272 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 009  | 000   | 2    |      |            | Chambers          |    | 017  | 5   | 0000  |       |
|                        | 010  | 000   | 2    |      |            | Cherokee          |    | 019  | 6   | 0000  |       |
|                        | 011  | 000   | 2    |      |            | Chilton           |    | 021  | 5   | 0000  |       |
|                        | 012  | 000   | 2    |      |            | Choctaw           |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    |      |            | Clarke            |    | 025  | 5   | 0000  |       |
|                        | 014  | 000   | 2    |      |            | Clay              |    | 027  | 6   | 0000  |       |
|                        | 015  | 000   | 2    |      |            | Cleburne          |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    |      |            | Coffee            |    | 031  | 5   | 0000  |       |
|                        |      |       |      | 013  | 6          | Enterprise, part  |    |      |     |       | 24184 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 017  | 094   | 1    |      |            | Colbert           |    | 033  | 4   | 2650  |       |
|                        |      |       |      | 040  | 6          | Sheffield         |    |      |     |       | 69648 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    |      |            | Conecuh           |    | 035  | 6   | 0000  |       |
|                        | 019  | 000   | 2    |      |            | Coosa             |    | 037  | 6   | 0000  |       |
|                        | 020  | 000   | 2    |      |            | Covington         |    | 039  | 5   | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Crenshaw          |    | 041  | 6   | 0000  |       |
|                        | 022  | 000   | 2    |      |            | Cullman           |    | 043  | 4   | 0000  |       |
|                        |      |       |      | 009  | 6          | Cullman           |    |      |     |       | 18976 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 023  | 077   | 1    |      |            | Dale              |    | 045  | 5   | 2180  |       |
|                        |      |       |      | 012  | 4          | Dothan, part      |    |      |     |       | 21184 |
|                        |      |       |      | 013  | 6          | Enterprise, part  |    |      |     |       | 24184 |
|                        |      |       |      | 033  | 6          | Ozark             |    |      |     |       | 57648 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    |      |            | Dallas            |    | 047  | 5   | 0000  |       |
|                        |      |       |      | 039  | 6          | Selma             |    |      |     |       | 69120 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 025  | 000   | 2    |      |            | De Kalb           |    | 049  | 4   | 0000  |       |
|                        |      |       |      | 017  | 6          | Fort Payne        |    |      |     |       | 27616 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 026  | 188   | 1    |      |            | Elmore            |    | 051  | 5   | 5240  |       |
|                        |      |       |      | 035  | 6          | Prattville, part  |    |      |     |       | 62328 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 027  | 000   | 2    |      |            | Escambia          |    | 053  | 5   | 0000  |       |
|                        | 028  | 105   | 1    |      |            | Etowah            |    | 055  | 4   | 2880  |       |
|                        |      |       |      | 018  | 5          | Gadsden           |    |      |     |       | 28696 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 029  | 000   | 2    |      |            | Fayette           |    | 057  | 6   | 0000  |       |
|                        | 030  | 000   | 2    |      |            | Franklin          |    | 059  | 5   | 0000  |       |
|                        | 031  | 000   | 2    |      |            | Geneva            |    | 061  | 6   | 0000  |       |
|                        | 032  | 000   | 2    |      |            | Greene            |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    |      |            | Hale              |    | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    |      |            | Henry             |    | 067  | 6   | 0000  |       |
|                        | 035  | 077   | 1    |      |            | Houston           |    | 069  | 4   | 2180  |       |
|                        |      |       |      | 012  | 4          | Dothan, part      |    |      |     |       | 21184 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 036  | 000   | 2    |      |            | Jackson           |    | 071  | 5   | 0000  |       |
|                        |      |       |      | 038  | 6          | Scottsboro        |    |      |     |       | 68736 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 037  | 032   | 1    |      |            | Jefferson         |    | 073  | 1   | 1000  |       |
|                        |      |       |      | 007  | 5          | Bessemer          |    |      |     |       | 05980 |
|                        |      |       |      | 008  | 2          | Birmingham, part  |    |      |     |       | 07000 |
|                        |      |       |      | 015  | 6          | Fairfield         |    |      |     |       | 25120 |
|                        |      |       |      | 020  | 6          | Homewood          |    |      |     |       | 35800 |
|                        |      |       |      | 021  | 5          | Hoover, part      |    |      |     |       | 35896 |
|                        |      |       |      | 022  | 6          | Hueytown          |    |      |     |       | 36448 |

| Vital Statistics Codes |       |      |      |     | FIPS Codes        |         |     |       |       |
|------------------------|-------|------|------|-----|-------------------|---------|-----|-------|-------|
| St Cnty                | P/MSA | M/NM | City | P/S | Area Names        | St Cnty | P/S | P/MSA | Place |
| 01                     |       |      |      |     | Alabama           | 01      |     |       |       |
|                        | 037   |      |      |     | Jefferson, con.   | 073     | 1   | 1000  |       |
|                        |       |      | 030  | 6   | Mountain Brook    |         |     |       | 51696 |
|                        |       |      | 046  | 6   | Vestavia Hills    |         |     |       | 78552 |
|                        |       |      | 999  | 9   | Leeds, part       |         |     |       | 99999 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 038   | 000  |      | 2   | Lamar             | 075     | 6   | 0000  |       |
|                        | 039   | 094  |      | 1   | Lauderdale        | 077     | 4   | 2650  |       |
|                        |       |      | 016  | 5   | Florence          |         |     |       | 26896 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 040   | 072  |      | 1   | Lawrence          | 079     | 5   | 2030  |       |
|                        | 041   | 000  |      | 2   | Lee               | 081     | 4   | 0000  |       |
|                        |       |      | 006  | 5   | Auburn            |         |     |       | 03076 |
|                        |       |      | 032  | 6   | Opelika           |         |     |       | 57048 |
|                        |       |      | 034  | 5   | Phenix City, part |         |     |       | 59472 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 042   | 129  |      | 1   | Limestone         | 083     | 4   | 3440  |       |
|                        |       |      | 005  | 6   | Athens            |         |     |       | 02956 |
|                        |       |      | 011  | 5   | Decatur, part     |         |     |       | 20104 |
|                        |       |      | 023  | 3   | Huntsville, part  |         |     |       | 37000 |
|                        |       |      | 027  | 6   | Madison, part     |         |     |       | 45784 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 043   | 000  |      | 2   | Lowndes           | 085     | 6   | 0000  |       |
|                        | 044   | 000  |      | 2   | Macon             | 087     | 6   | 0000  |       |
|                        |       |      | 045  | 6   | Tuskegee          |         |     |       | 77304 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 045   | 129  |      | 1   | Madison           | 089     | 3   | 3440  |       |
|                        |       |      | 023  | 3   | Huntsville, part  |         |     |       | 37000 |
|                        |       |      | 027  | 6   | Madison, part     |         |     |       | 45784 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 046   | 000  |      | 2   | Marengo           | 091     | 6   | 0000  |       |
|                        | 047   | 000  |      | 2   | Marion            | 093     | 5   | 0000  |       |
|                        | 048   | 000  |      | 2   | Marshall          | 095     | 4   | 0000  |       |
|                        |       |      | 002  | 6   | Albertville       |         |     |       | 00988 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 049   | 184  |      | 1   | Mobile            | 097     | 2   | 5160  |       |
|                        |       |      | 028  | 3   | Mobile            |         |     |       | 50000 |
|                        |       |      | 036  | 5   | Prichard          |         |     |       | 62496 |
|                        |       |      | 037  | 6   | Saraland          |         |     |       | 68160 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 050   | 000  |      | 2   | Monroe            | 099     | 6   | 0000  |       |
|                        | 051   | 188  |      | 1   | Montgomery        | 101     | 3   | 5240  |       |
|                        |       |      | 029  | 3   | Montgomery        |         |     |       | 51000 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 052   | 072  |      | 1   | Morgan            | 103     | 3   | 2030  |       |
|                        |       |      | 011  | 5   | Decatur, part     |         |     |       | 20104 |
|                        |       |      | 019  | 6   | Hartselle         |         |     |       | 33448 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 053   | 000  |      | 2   | Perry             | 105     | 6   | 0000  |       |
|                        | 054   | 000  |      | 2   | Pickens           | 107     | 6   | 0000  |       |
|                        | 055   | 000  |      | 2   | Pike              | 109     | 5   | 0000  |       |
|                        |       |      | 043  | 6   | Troy              |         |     |       | 76920 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 056   | 000  |      | 2   | Randolph          | 111     | 6   | 0000  |       |
|                        | 057   | 063  |      | 1   | Russell           | 113     | 5   | 1800  |       |
|                        |       |      | 034  | 5   | Phenix City, part |         |     |       | 59472 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 058   | 032  |      | 1   | St. Clair         | 115     | 4   | 1000  |       |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        |       |      | 999  | 9   | Leeds, part       |         |     |       | 99999 |
|                        | 059   | 032  |      | 1   | Shelby            | 117     | 4   | 1000  |       |
|                        |       |      | 001  | 6   | Alabaster         |         |     |       | 00820 |
|                        |       |      | 008  | 2   | Birmingham, part  |         |     |       | 07000 |
|                        |       |      | 021  | 5   | Hoover, part      |         |     |       | 35896 |
|                        |       |      | 999  | 9   | Leeds, part       |         |     |       | 99999 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 060   | 000  |      | 2   | Sumter            | 119     | 6   | 0000  |       |
|                        | 061   | 000  |      | 2   | Talladega         | 121     | 4   | 0000  |       |
|                        |       |      | 041  | 6   | Sylacauga         |         |     |       | 74352 |
|                        |       |      | 042  | 6   | Talladega         |         |     |       | 74592 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 062   | 000  |      | 2   | Tallapoosa        | 123     | 5   | 0000  |       |
|                        |       |      | 003  | 6   | Alexander City    |         |     |       | 01132 |
|                        |       |      | 999  | 9   | Balance of county |         |     |       | 99999 |
|                        | 063   | 287  |      | 1   | Tuscaloosa        | 125     | 3   | 8600  |       |
|                        |       |      | 031  | 6   | Northport         |         |     |       | 55200 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 01                     |      |       |      |      |     | Alabama           | 01 |      |     |       |       |
|                        | 063  |       |      |      |     | Tuscaloosa, con.  |    | 125  | 3   | 8600  |       |
|                        |      |       |      | 044  | 4   | Tuscaloosa        |    |      |     |       | 77256 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 064  | 000   | 2    |      |     | Walker            |    | 127  | 4   | 0000  |       |
|                        |      |       |      | 025  | 6   | Jasper            |    |      |     |       | 38416 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 065  | 000   | 2    | 999  | 9   | Washington        |    | 129  | 6   | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9   | Wilcox            |    | 131  | 6   | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9   | Winston           |    | 133  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes                            |     |      |      |       |       |
|------------------------|------|-------|------|------|-----|---------------------------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names                            | St  | Cnty | P/S  | P/MSA | Place |
| 02                     |      |       |      |      |     | Alaska                                | 02  |      |      |       |       |
| 001                    | 000  | 2     | 999  | 9    |     | Aleutians East                        | 013 | 6    | 0000 |       |       |
| 002                    | 000  | 2     | 999  | 9    |     | Aleutians West                        | 016 | 6    | 0000 |       |       |
| 003                    | 010  | 1     | 001  | 3    |     | Anchorage, coext. with Anchorage city | 020 | 3    | 0380 | 03000 |       |
| 004                    | 000  | 2     | 999  | 9    |     | Bethel                                | 050 | 6    | 0000 |       |       |
| 005                    | 000  | 2     | 999  | 9    |     | Bristol Bay                           | 060 | 6    | 0000 |       |       |
| 006                    | 000  | 2     | 999  | 9    |     | Dillingham                            | 070 | 6    | 0000 |       |       |
| 007                    | 000  | 2     |      |      |     | Fairbanks North Star                  | 090 | 4    | 0000 |       |       |
|                        |      |       |      | 002  | 5   | Fairbanks                             |     |      |      |       | 24230 |
|                        |      |       |      | 999  | 9   | Balance of area                       |     |      |      |       | 99999 |
| 008                    | 000  | 2     | 999  | 9    |     | Haines                                | 100 | 6    | 0000 |       |       |
| 009                    | 000  | 2     | 003  | 5    |     | Juneau, coext. with Juneau city       | 110 | 5    | 0000 | 36400 |       |
| 010                    | 000  | 2     | 999  | 9    |     | Kenai Peninsula                       | 122 | 5    | 0000 |       |       |
| 011                    | 000  | 2     | 999  | 9    |     | Ketchikan Gateway                     | 130 | 6    | 0000 |       |       |
| 012                    | 000  | 2     | 999  | 9    |     | Kodiak Island                         | 150 | 6    | 0000 |       |       |
| 013                    | 000  | 2     | 999  | 9    |     | Lake and Peninsula                    | 164 | 6    | 0000 |       |       |
| 014                    | 000  | 2     | 999  | 9    |     | Matanuska-Susitna                     | 170 | 5    | 0000 |       |       |
| 015                    | 000  | 2     | 999  | 9    |     | Nome                                  | 180 | 6    | 0000 |       |       |
| 016                    | 000  | 2     | 999  | 9    |     | North Slope                           | 185 | 6    | 0000 |       |       |
| 017                    | 000  | 2     | 999  | 9    |     | Northwest Arctic                      | 188 | 6    | 0000 |       |       |
| 018                    | 000  | 2     | 999  | 9    |     | Prince of Wales-Outer Ketchikan       | 201 | 6    | 0000 |       |       |
| 019                    | 000  | 2     | 999  | 9    |     | Sitka                                 | 220 | 6    | 0000 |       |       |
| 020                    | 000  | 2     | 999  | 9    |     | Skagway-Hoonah-Angoon                 | 232 | 6    | 0000 |       |       |
| 021                    | 000  | 2     | 999  | 9    |     | Southeast Fairbanks                   | 240 | 6    | 0000 |       |       |
| 022                    | 000  | 2     | 999  | 9    |     | Valdez-Cordova                        | 261 | 6    | 0000 |       |       |
| 023                    | 000  | 2     | 999  | 9    |     | Wade Hampton                          | 270 | 6    | 0000 |       |       |
| 024                    | 000  | 2     | 999  | 9    |     | Wrangell-Petersburg                   | 280 | 6    | 0000 |       |       |
| 025                    | 000  | 2     | 999  | 9    |     | Yakutat                               | 282 | 6    | 0000 |       |       |
| 026                    | 000  | 2     | 999  | 9    |     | Yukon-Koyukuk                         | 290 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes            |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 03                     |      |       |      |      |     | Arizona               | 04 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9   | Apache                |    | 001  | 4   | 0000  |       |
|                        | 002  | 000   | 2    |      |     | Cochise               |    | 003  | 4   | 0000  |       |
|                        |      |       |      | 006  | 6   | Douglas               |    |      |     |       | 20050 |
|                        |      |       |      | 020  | 5   | Sierra Vista          |    |      |     |       | 66820 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |     | Coconino              |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 007  | 5   | Flagstaff             |    |      |     |       | 23620 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9   | Gila                  |    | 007  | 5   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9   | Graham                |    | 009  | 5   | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9   | Greenlee              |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9   | La Paz                |    | 012  | 6   | 0000  |       |
|                        | 008  | 215   | 1    |      |     | Maricopa              |    | 013  | 0   | 6200  |       |
|                        |      |       |      | 001  | 6   | Apache Junction, part |    |      |     |       | 02830 |
|                        |      |       |      | 002  | 6   | Avondale              |    |      |     |       | 04720 |
|                        |      |       |      | 005  | 4   | Chandler              |    |      |     |       | 12000 |
|                        |      |       |      | 008  | 6   | Fountain Hills        |    |      |     |       | 25300 |
|                        |      |       |      | 009  | 5   | Gilbert               |    |      |     |       | 27400 |
|                        |      |       |      | 010  | 3   | Glendale              |    |      |     |       | 27820 |
|                        |      |       |      | 013  | 2   | Mesa                  |    |      |     |       | 46000 |
|                        |      |       |      | 015  | 6   | Paradise Valley       |    |      |     |       | 52930 |
|                        |      |       |      | 016  | 4   | Peoria                |    |      |     |       | 54050 |
|                        |      |       |      | 017  | 1   | Phoenix               |    |      |     |       | 55000 |
|                        |      |       |      | 019  | 3   | Scottsdale            |    |      |     |       | 65000 |
|                        |      |       |      | 021  | 3   | Tempe                 |    |      |     |       | 73000 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 009  | 159   | 1    |      |     | Mohave                |    | 015  | 4   | 4120  |       |
|                        |      |       |      | 003  | 6   | Bullhead City         |    |      |     |       | 08255 |
|                        |      |       |      | 011  | 6   | Kingman               |    |      |     |       | 37620 |
|                        |      |       |      | 012  | 6   | Lake Havasu City      |    |      |     |       | 39370 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    | 999  | 9   | Navajo                |    | 017  | 4   | 0000  |       |
|                        | 011  | 285   | 1    |      |     | Pima                  |    | 019  | 1   | 8520  |       |
|                        |      |       |      | 022  | 2   | Tucson                |    |      |     |       | 77000 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 012  | 215   | 1    |      |     | Pinal                 |    | 021  | 3   | 6200  |       |
|                        |      |       |      | 001  | 6   | Apache Junction, part |    |      |     |       | 02830 |
|                        |      |       |      | 004  | 6   | Casa Grande           |    |      |     |       | 10530 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 013  | 000   | 2    |      |     | Santa Cruz            |    | 023  | 5   | 0000  |       |
|                        |      |       |      | 014  | 6   | Nogales               |    |      |     |       | 49640 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 014  | 000   | 2    |      |     | Yavapai               |    | 025  | 3   | 0000  |       |
|                        |      |       |      | 018  | 5   | Prescott              |    |      |     |       | 57380 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |
|                        | 015  | 311   | 1    |      |     | Yuma                  |    | 027  | 3   | 9360  |       |
|                        |      |       |      | 023  | 4   | Yuma                  |    |      |     |       | 85540 |
|                        |      |       |      | 999  | 9   | Balance of county     |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 04                     |      |       |      |      |     | Arkansas          | 05 |      |     |       |       |
|                        | 001  | 000   | 2    |      |     | Arkansas          |    | 001  | 6   | 0000  |       |
|                        |      |       |      | 024  | 6   | Stuttgart         |    |      |     |       | 67490 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9   | Ashley            |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9   | Baxter            |    | 005  | 5   | 0000  |       |
|                        | 004  | 092   | 1    |      |     | Benton            |    | 007  | 4   | 2580  |       |
|                        |      |       |      | 003  | 6   | Bentonville       |    |      |     |       | 05320 |
|                        |      |       |      | 019  | 6   | Rogers            |    |      |     |       | 60410 |
|                        |      |       |      | 023  | 5   | Springdale, part  |    |      |     |       | 66080 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9   | Boone             |    | 009  | 5   | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9   | Bradley           |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9   | Calhoun           |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9   | Carroll           |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9   | Chicot            |    | 017  | 6   | 0000  |       |
|                        | 010  | 000   | 2    |      |     | Clark             |    | 019  | 6   | 0000  |       |
|                        |      |       |      | 001  | 6   | Arkadelphia       |    |      |     |       | 01870 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9   | Clay              |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9   | Cleburne          |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9   | Cleveland         |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    |      |     | Columbia          |    | 027  | 5   | 0000  |       |
|                        |      |       |      | 015  | 6   | Magnolia          |    |      |     |       | 43460 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9   | Conway            |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    |      |     | Craighead         |    | 031  | 4   | 0000  |       |
|                        |      |       |      | 013  | 5   | Jonesboro         |    |      |     |       | 35710 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 017  | 100   | 1    |      |     | Crawford          |    | 033  | 5   | 2720  |       |
|                        |      |       |      | 026  | 6   | Van Buren         |    |      |     |       | 71480 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 178   | 1    |      |     | Crittenden        |    | 035  | 5   | 4920  |       |
|                        |      |       |      | 028  | 5   | West Memphis      |    |      |     |       | 74540 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    | 999  | 9   | Cross             |    | 037  | 6   | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9   | Dallas            |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9   | Desha             |    | 041  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9   | Drew              |    | 043  | 6   | 0000  |       |
|                        | 023  | 166   | 1    |      |     | Faulkner          |    | 045  | 4   | 4400  |       |
|                        |      |       |      | 006  | 5   | Conway            |    |      |     |       | 15190 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9   | Franklin          |    | 047  | 6   | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9   | Fulton            |    | 049  | 6   | 0000  |       |
|                        | 026  | 000   | 2    |      |     | Garland           |    | 051  | 4   | 0000  |       |
|                        |      |       |      | 011  | 5   | Hot Springs       |    |      |     |       | 33460 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9   | Grant             |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    |      |     | Greene            |    | 055  | 5   | 0000  |       |
|                        |      |       |      | 017  | 6   | Paragould         |    |      |     |       | 53390 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 029  | 000   | 2    | 999  | 9   | Hempstead         |    | 057  | 6   | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9   | Hot Spring        |    | 059  | 5   | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9   | Howard            |    | 061  | 6   | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9   | Independence      |    | 063  | 5   | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9   | Izard             |    | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9   | Jackson           |    | 067  | 6   | 0000  |       |
|                        | 035  | 216   | 1    |      |     | Jefferson         |    | 069  | 4   | 6240  |       |
|                        |      |       |      | 018  | 4   | Pine Bluff        |    |      |     |       | 55310 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 036  | 000   | 2    | 999  | 9   | Johnson           |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9   | Lafayette         |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9   | Lawrence          |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9   | Lee               |    | 077  | 6   | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9   | Lincoln           |    | 079  | 6   | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9   | Little River      |    | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9   | Logan             |    | 083  | 6   | 0000  |       |
|                        | 043  | 166   | 1    | 999  | 9   | Lonoke            |    | 085  | 5   | 4400  |       |
|                        | 044  | 000   | 2    | 999  | 9   | Madison           |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9   | Marion            |    | 089  | 6   | 0000  |       |
|                        | 046  | 281   | 1    |      |     | Miller            |    | 091  | 5   | 8360  |       |
|                        |      |       |      | 025  | 6   | Texarkana         |    |      |     |       | 68810 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 047  | 000   | 2    |      |     | Mississippi       |    | 093  | 4   | 0000  |       |
|                        |      |       |      | 004  | 6   | Blytheville       |    |      |     |       | 07330 |



| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 04                     |      |       |      |      |     | Arkansas          | 05 |      |     |       |       |
|                        | 047  |       |      | 999  | 9   | Mississippi, con. |    | 093  | 4   | 0000  |       |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 048  | 000   | 2    | 999  | 9   | Monroe            |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9   | Montgomery        |    | 097  | 6   | 0000  |       |
|                        | 050  | 000   | 2    | 999  | 9   | Nevada            |    | 099  | 6   | 0000  |       |
|                        | 051  | 000   | 2    | 999  | 9   | Newton            |    | 101  | 6   | 0000  |       |
|                        | 052  | 000   | 2    |      |     | Ouachita          |    | 103  | 5   | 0000  |       |
|                        |      |       |      | 005  | 6   | Camden            |    |      |     |       | 10720 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 053  | 000   | 2    | 999  | 9   | Perry             |    | 105  | 6   | 0000  |       |
|                        | 054  | 000   | 2    |      |     | Phillips          |    | 107  | 5   | 0000  |       |
|                        |      |       |      | 027  | 6   | West Helena       |    |      |     |       | 74450 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 055  | 000   | 2    | 999  | 9   | Pike              |    | 109  | 6   | 0000  |       |
|                        | 056  | 000   | 2    | 999  | 9   | Poinsett          |    | 111  | 6   | 0000  |       |
|                        | 057  | 000   | 2    | 999  | 9   | Polk              |    | 113  | 6   | 0000  |       |
|                        | 058  | 000   | 2    |      |     | Pope              |    | 115  | 5   | 0000  |       |
|                        |      |       |      | 020  | 6   | Russellville      |    |      |     |       | 61670 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 059  | 000   | 2    | 999  | 9   | Prairie           |    | 117  | 6   | 0000  |       |
|                        | 060  | 166   | 1    |      |     | Pulaski           |    | 119  | 2   | 4400  |       |
|                        |      |       |      | 012  | 5   | Jacksonville      |    |      |     |       | 34750 |
|                        |      |       |      | 014  | 3   | Little Rock       |    |      |     |       | 41000 |
|                        |      |       |      | 016  | 4   | North Little Rock |    |      |     |       | 50450 |
|                        |      |       |      | 022  | 6   | Sherwood          |    |      |     |       | 63800 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 061  | 000   | 2    | 999  | 9   | Randolph          |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    |      |     | St. Francis       |    | 123  | 5   | 0000  |       |
|                        |      |       |      | 009  | 6   | Forrest City      |    |      |     |       | 24430 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 063  | 166   | 1    |      |     | Saline            |    | 125  | 4   | 4400  |       |
|                        |      |       |      | 002  | 6   | Benton            |    |      |     |       | 05290 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 064  | 000   | 2    | 999  | 9   | Scott             |    | 127  | 6   | 0000  |       |
|                        | 065  | 000   | 2    | 999  | 9   | Searcy            |    | 129  | 6   | 0000  |       |
|                        | 066  | 100   | 1    |      |     | Sebastian         |    | 131  | 4   | 2720  |       |
|                        |      |       |      | 010  | 4   | Fort Smith        |    |      |     |       | 24550 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 067  | 000   | 2    | 999  | 9   | Sevier            |    | 133  | 6   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9   | Sharp             |    | 135  | 6   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9   | Stone             |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    |      |     | Union             |    | 139  | 5   | 0000  |       |
|                        |      |       |      | 007  | 6   | El Dorado         |    |      |     |       | 21070 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 071  | 000   | 2    | 999  | 9   | Van Buren         |    | 141  | 6   | 0000  |       |
|                        | 072  | 092   | 1    |      |     | Washington        |    | 143  | 3   | 2580  |       |
|                        |      |       |      | 008  | 5   | Fayetteville      |    |      |     |       | 23290 |
|                        |      |       |      | 023  | 5   | Springdale, part  |    |      |     |       | 66080 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 073  | 000   | 2    |      |     | White             |    | 145  | 4   | 0000  |       |
|                        |      |       |      | 021  | 6   | Searcy            |    |      |     |       | 63020 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 074  | 000   | 2    | 999  | 9   | Woodruff          |    | 147  | 6   | 0000  |       |
|                        | 075  | 000   | 2    | 999  | 9   | Yell              |    | 149  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 05                     |      |       |      |      |            | California        | 06 |      |     |       |       |
|                        | 001  | 201   | 1    |      |            | Alameda           |    | 001  | 0   | 5775  |       |
|                        |      |       |      | 002  | 4          | Alameda           |    |      |     |       | 00562 |
|                        |      |       |      | 003  | 6          | Albany            |    |      |     |       | 00674 |
|                        |      |       |      | 025  | 3          | Berkeley          |    |      |     |       | 06000 |
|                        |      |       |      | 073  | 6          | Dublin            |    |      |     |       | 20018 |
|                        |      |       |      | 090  | 3          | Fremont           |    |      |     |       | 26000 |
|                        |      |       |      | 103  | 3          | Hayward           |    |      |     |       | 33000 |
|                        |      |       |      | 135  | 4          | Livermore         |    |      |     |       | 41992 |
|                        |      |       |      | 173  | 5          | Newark            |    |      |     |       | 50916 |
|                        |      |       |      | 179  | 2          | Oakland           |    |      |     |       | 53000 |
|                        |      |       |      | 199  | 6          | Piedmont          |    |      |     |       | 56938 |
|                        |      |       |      | 204  | 4          | Pleasanton        |    |      |     |       | 57792 |
|                        |      |       |      | 242  | 4          | San Leandro       |    |      |     |       | 68084 |
|                        |      |       |      | 287  | 4          | Union City        |    |      |     |       | 81204 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9          | Alpine            |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9          | Amador            |    | 005  | 5   | 0000  |       |
|                        | 004  | 056   | 1    |      |            | Butte             |    | 007  | 3   | 1620  |       |
|                        |      |       |      | 042  | 5          | Chico             |    |      |     |       | 13014 |
|                        |      |       |      | 184  | 6          | Oroville          |    |      |     |       | 54386 |
|                        |      |       |      | 193  | 5          | Paradise          |    |      |     |       | 55520 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9          | Calaveras         |    | 009  | 5   | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Colusa            |    | 011  | 6   | 0000  |       |
|                        | 007  | 201   | 1    |      |            | Contra Costa      |    | 013  | 1   | 5775  |       |
|                        |      |       |      | 006  | 4          | Antioch           |    |      |     |       | 02252 |
|                        |      |       |      | 052  | 3          | Concord           |    |      |     |       | 16000 |
|                        |      |       |      | 064  | 5          | Danville          |    |      |     |       | 17988 |
|                        |      |       |      | 077  | 6          | El Cerrito        |    |      |     |       | 21796 |
|                        |      |       |      | 105  | 6          | Hercules          |    |      |     |       | 33308 |
|                        |      |       |      | 118  | 6          | Lafayette         |    |      |     |       | 39122 |
|                        |      |       |      | 151  | 5          | Martinez          |    |      |     |       | 46114 |
|                        |      |       |      | 167  | 6          | Moraga Town       |    |      |     |       | 49194 |
|                        |      |       |      | 183  | 6          | Orinda            |    |      |     |       | 54232 |
|                        |      |       |      | 200  | 6          | Pinole            |    |      |     |       | 57288 |
|                        |      |       |      | 201  | 5          | Pittsburg         |    |      |     |       | 57456 |
|                        |      |       |      | 203  | 5          | Pleasant Hill     |    |      |     |       | 57764 |
|                        |      |       |      | 218  | 4          | Richmond          |    |      |     |       | 60620 |
|                        |      |       |      | 247  | 5          | San Pablo         |    |      |     |       | 68294 |
|                        |      |       |      | 249  | 5          | San Ramon         |    |      |     |       | 68378 |
|                        |      |       |      | 295  | 4          | Walnut Creek      |    |      |     |       | 83346 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 008  | 000   | 2    | 999  | 9          | Del Norte         |    | 015  | 6   | 0000  |       |
|                        | 009  | 239   | 1    |      |            | El Dorado         |    | 017  | 3   | 6920  |       |
|                        |      |       |      | 270  | 6          | South Lake Tahoe  |    |      |     |       | 73108 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 010  | 104   | 1    |      |            | Fresno            |    | 019  | 1   | 2840  |       |
|                        |      |       |      | 047  | 4          | Clovis            |    |      |     |       | 14218 |
|                        |      |       |      | 091  | 2          | Fresno            |    |      |     |       | 27000 |
|                        |      |       |      | 216  | 6          | Reedley           |    |      |     |       | 60242 |
|                        |      |       |      | 238  | 6          | Sanger            |    |      |     |       | 67056 |
|                        |      |       |      | 264  | 6          | Selma             |    |      |     |       | 70882 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9          | Glenn             |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    |      |            | Humboldt          |    | 023  | 3   | 0000  |       |
|                        |      |       |      | 009  | 6          | Arcata            |    |      |     |       | 02476 |
|                        |      |       |      | 083  | 5          | Eureka            |    |      |     |       | 23042 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 013  | 000   | 2    |      |            | Imperial          |    | 025  | 3   | 0000  |       |
|                        |      |       |      | 027  | 6          | Brawley           |    |      |     |       | 08058 |
|                        |      |       |      | 032  | 6          | Calexico          |    |      |     |       | 09710 |
|                        |      |       |      | 076  | 5          | El Centro         |    |      |     |       | 21782 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 014  | 000   | 2    | 999  | 9          | Inyo              |    | 027  | 6   | 0000  |       |
|                        | 015  | 020   | 1    |      |            | Kern              |    | 029  | 1   | 0680  |       |
|                        |      |       |      | 016  | 3          | Bakersfield       |    |      |     |       | 03526 |
|                        |      |       |      | 066  | 6          | Delano            |    |      |     |       | 18394 |
|                        |      |       |      | 219  | 5          | Ridgecrest        |    |      |     |       | 60704 |
|                        |      |       |      | 296  | 6          | Wasco             |    |      |     |       | 83542 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 016  | 000   | 2    |      |            | Kings             |    | 031  | 3   | 0000  |       |
|                        |      |       |      | 053  | 6          | Corcoran          |    |      |     |       | 16224 |
|                        |      |       |      | 100  | 5          | Hanford           |    |      |     |       | 31960 |
|                        |      |       |      | 134  | 6          | Lemoore           |    |      |     |       | 41152 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 05                     |      |       |      |      |            | California           | 06 |      |     |       |       |
|                        | 016  |       |      | 999  | 9          | Kings, con.          |    | 031  | 3   | 0000  | 99999 |
|                        |      |       |      |      |            | Balance of county    |    |      |     |       |       |
|                        | 017  | 000   | 2    | 046  | 6          | Lake Clearlake       |    | 033  | 4   | 0000  | 13945 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | Lassen               |    | 035  | 5   | 0000  |       |
|                        | 019  | 168   | 1    |      |            | Los Angeles          |    | 037  | 0   | 4480  |       |
|                        |      |       |      | 001  | 6          | Agoura Hills         |    |      |     |       | 00394 |
|                        |      |       |      | 004  | 4          | Alhambra             |    |      |     |       | 00884 |
|                        |      |       |      | 008  | 5          | Arcadia              |    |      |     |       | 02462 |
|                        |      |       |      | 011  | 6          | Artesia              |    |      |     |       | 02896 |
|                        |      |       |      | 015  | 5          | Azusa                |    |      |     |       | 03386 |
|                        |      |       |      | 017  | 4          | Baldwin Park         |    |      |     |       | 03666 |
|                        |      |       |      | 020  | 5          | Bell                 |    |      |     |       | 04870 |
|                        |      |       |      | 021  | 4          | Bellflower           |    |      |     |       | 04982 |
|                        |      |       |      | 022  | 5          | Bell Gardens         |    |      |     |       | 04996 |
|                        |      |       |      | 026  | 5          | Beverly Hills        |    |      |     |       | 06308 |
|                        |      |       |      | 030  | 4          | Burbank              |    |      |     |       | 08954 |
|                        |      |       |      | 038  | 4          | Carson               |    |      |     |       | 11530 |
|                        |      |       |      | 041  | 4          | Cerritos             |    |      |     |       | 12552 |
|                        |      |       |      | 045  | 5          | Claremont            |    |      |     |       | 13756 |
|                        |      |       |      | 050  | 6          | Commerce             |    |      |     |       | 14974 |
|                        |      |       |      | 051  | 4          | Compton              |    |      |     |       | 15044 |
|                        |      |       |      | 057  | 5          | Covina               |    |      |     |       | 16742 |
|                        |      |       |      | 058  | 6          | Cudahy               |    |      |     |       | 17498 |
|                        |      |       |      | 059  | 5          | Culver City          |    |      |     |       | 17568 |
|                        |      |       |      | 068  | 4          | Diamond Bar          |    |      |     |       | 19192 |
|                        |      |       |      | 071  | 4          | Downey               |    |      |     |       | 19766 |
|                        |      |       |      | 072  | 6          | Duarte               |    |      |     |       | 19980 |
|                        |      |       |      | 078  | 3          | El Monte             |    |      |     |       | 22230 |
|                        |      |       |      | 080  | 6          | El Segundo           |    |      |     |       | 22412 |
|                        |      |       |      | 093  | 5          | Gardena              |    |      |     |       | 28168 |
|                        |      |       |      | 096  | 3          | Glendale             |    |      |     |       | 30000 |
|                        |      |       |      | 097  | 5          | Glendora             |    |      |     |       | 30014 |
|                        |      |       |      | 101  | 6          | Hawaiian Gardens     |    |      |     |       | 32506 |
|                        |      |       |      | 102  | 4          | Hawthorne            |    |      |     |       | 32548 |
|                        |      |       |      | 106  | 6          | Hermosa Beach        |    |      |     |       | 33364 |
|                        |      |       |      | 112  | 4          | Huntington Park      |    |      |     |       | 36056 |
|                        |      |       |      | 115  | 3          | Inglewood            |    |      |     |       | 36546 |
|                        |      |       |      | 117  | 6          | La Canada Flintridge |    |      |     |       | 39003 |
|                        |      |       |      | 123  | 4          | Lakewood             |    |      |     |       | 39892 |
|                        |      |       |      | 125  | 5          | La Mirada            |    |      |     |       | 40032 |
|                        |      |       |      | 126  | 4          | Lancaster            |    |      |     |       | 40130 |
|                        |      |       |      | 128  | 5          | La Puente            |    |      |     |       | 40340 |
|                        |      |       |      | 131  | 5          | La Verne             |    |      |     |       | 40830 |
|                        |      |       |      | 132  | 5          | Lawndale             |    |      |     |       | 40886 |
|                        |      |       |      | 138  | 6          | Lomita               |    |      |     |       | 42468 |
|                        |      |       |      | 140  | 2          | Long Beach           |    |      |     |       | 43000 |
|                        |      |       |      | 143  | 0          | Los Angeles          |    |      |     |       | 44000 |
|                        |      |       |      | 146  | 4          | Lynwood              |    |      |     |       | 44574 |
|                        |      |       |      | 148  | 5          | Manhattan Beach      |    |      |     |       | 45400 |
|                        |      |       |      | 153  | 5          | Maywood              |    |      |     |       | 46492 |
|                        |      |       |      | 161  | 5          | Monrovia             |    |      |     |       | 48648 |
|                        |      |       |      | 163  | 4          | Montebello           |    |      |     |       | 48816 |
|                        |      |       |      | 165  | 4          | Monterey Park        |    |      |     |       | 48914 |
|                        |      |       |      | 176  | 4          | Norwalk              |    |      |     |       | 52526 |
|                        |      |       |      | 188  | 4          | Palmdale             |    |      |     |       | 55156 |
|                        |      |       |      | 192  | 6          | Palos Verdes Estates |    |      |     |       | 55380 |
|                        |      |       |      | 194  | 5          | Paramount            |    |      |     |       | 55618 |
|                        |      |       |      | 195  | 3          | Pasadena             |    |      |     |       | 56000 |
|                        |      |       |      | 198  | 4          | Pico Rivera          |    |      |     |       | 56924 |
|                        |      |       |      | 205  | 3          | Pomona               |    |      |     |       | 58072 |
|                        |      |       |      | 210  | 5          | Rancho Palos Verdes  |    |      |     |       | 59514 |
|                        |      |       |      | 214  | 4          | Redondo Beach        |    |      |     |       | 60018 |
|                        |      |       |      | 223  | 4          | Rosemead             |    |      |     |       | 62896 |
|                        |      |       |      | 234  | 5          | San Dimas            |    |      |     |       | 66070 |
|                        |      |       |      | 235  | 6          | San Fernando         |    |      |     |       | 66140 |
|                        |      |       |      | 237  | 5          | San Gabriel          |    |      |     |       | 67042 |
|                        |      |       |      | 245  | 6          | San Marino           |    |      |     |       | 68224 |
|                        |      |       |      | 253  | 3          | Santa Clarita        |    |      |     |       | 69088 |
|                        |      |       |      | 255  | 6          | Santa Fe Springs     |    |      |     |       | 69154 |
|                        |      |       |      | 257  | 4          | Santa Monica         |    |      |     |       | 70000 |
|                        |      |       |      | 265  | 6          | Sierra Madre         |    |      |     |       | 71806 |
|                        |      |       |      | 268  | 6          | South El Monte       |    |      |     |       | 72996 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St  | Cnty | P/S | P/MSA | Place |
| 05                     |      |       |      |      |            | California          | 06  |      |     |       |       |
|                        | 019  |       |      |      |            | Los Angeles, con.   | 037 | 0    |     | 4480  |       |
|                        |      |       |      | 269  | 4          | South Gate          |     |      |     |       | 73080 |
|                        |      |       |      | 271  | 6          | South Pasadena      |     |      |     |       | 73220 |
|                        |      |       |      | 278  | 5          | Temple City         |     |      |     |       | 78148 |
|                        |      |       |      | 280  | 3          | Torrance            |     |      |     |       | 80000 |
|                        |      |       |      | 294  | 5          | Walnut              |     |      |     |       | 83332 |
|                        |      |       |      | 298  | 4          | West Covina         |     |      |     |       | 84200 |
|                        |      |       |      | 299  | 5          | West Hollywood      |     |      |     |       | 84410 |
|                        |      |       |      | 302  | 4          | Whittier            |     |      |     |       | 85292 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 020  | 104   | 1    |      |            | Madera              | 039 | 4    |     | 2840  |       |
|                        |      |       |      | 147  | 5          | Madera              |     |      |     |       | 45022 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 021  | 250   | 1    |      |            | Marin               | 041 | 3    |     | 7360  |       |
|                        |      |       |      | 130  | 6          | Larkspur            |     |      |     |       | 40438 |
|                        |      |       |      | 157  | 6          | Mill Valley         |     |      |     |       | 47710 |
|                        |      |       |      | 177  | 5          | Novato              |     |      |     |       | 52582 |
|                        |      |       |      | 227  | 6          | San Anselmo         |     |      |     |       | 64434 |
|                        |      |       |      | 248  | 5          | San Rafael          |     |      |     |       | 68364 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 022  | 000   | 2    |      |            | Mariposa            | 043 | 6    |     | 0000  |       |
|                        | 023  | 000   | 2    |      |            | Mendocino           | 045 | 4    |     | 0000  |       |
|                        |      |       |      | 286  | 6          | Ukiah               |     |      |     |       | 81134 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 024  | 179   | 1    |      |            | Merced              | 047 | 3    |     | 4940  |       |
|                        |      |       |      | 013  | 6          | Atwater             |     |      |     |       | 03162 |
|                        |      |       |      | 144  | 6          | Los Banos           |     |      |     |       | 44028 |
|                        |      |       |      | 155  | 4          | Merced              |     |      |     |       | 46898 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 025  | 000   | 2    |      |            | Modoc               | 049 | 6    |     | 0000  |       |
|                        | 026  | 000   | 2    |      |            | Mono                | 051 | 6    |     | 0000  |       |
|                        | 027  | 245   | 1    |      |            | Monterey            | 053 | 2    |     | 7120  |       |
|                        |      |       |      | 150  | 5          | Marina              |     |      |     |       | 45778 |
|                        |      |       |      | 164  | 5          | Monterey            |     |      |     |       | 48872 |
|                        |      |       |      | 187  | 6          | Pacific Grove       |     |      |     |       | 54848 |
|                        |      |       |      | 226  | 3          | Salinas             |     |      |     |       | 64224 |
|                        |      |       |      | 263  | 5          | Seaside             |     |      |     |       | 70742 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 028  | 290   | 1    |      |            | Napa                | 055 | 3    |     | 8720  |       |
|                        |      |       |      | 171  | 4          | Napa                |     |      |     |       | 50258 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 029  | 000   | 2    |      |            | Nevada              | 057 | 4    |     | 0000  |       |
|                        | 030  | 207   | 1    |      |            | Orange              | 059 | 0    |     | 5945  |       |
|                        |      |       |      | 005  | 2          | Anaheim             |     |      |     |       | 02000 |
|                        |      |       |      | 028  | 5          | Brea                |     |      |     |       | 08100 |
|                        |      |       |      | 029  | 4          | Buena Park          |     |      |     |       | 08786 |
|                        |      |       |      | 056  | 4          | Costa Mesa          |     |      |     |       | 16532 |
|                        |      |       |      | 061  | 5          | Cypress             |     |      |     |       | 17750 |
|                        |      |       |      | 063  | 5          | Dana Point          |     |      |     |       | 17946 |
|                        |      |       |      | 089  | 4          | Fountain Valley     |     |      |     |       | 25380 |
|                        |      |       |      | 092  | 3          | Fullerton           |     |      |     |       | 28000 |
|                        |      |       |      | 094  | 3          | Garden Grove        |     |      |     |       | 29000 |
|                        |      |       |      | 111  | 3          | Huntington Beach    |     |      |     |       | 36000 |
|                        |      |       |      | 116  | 3          | Irvine              |     |      |     |       | 36770 |
|                        |      |       |      | 119  | 6          | Laguna Beach        |     |      |     |       | 39178 |
|                        |      |       |      | 120  | 5          | Laguna Niguel       |     |      |     |       | 39248 |
|                        |      |       |      | 121  | 4          | La Habra            |     |      |     |       | 39290 |
|                        |      |       |      | 127  | 6          | La Palma            |     |      |     |       | 40256 |
|                        |      |       |      | 141  | 6          | Los Alamitos        |     |      |     |       | 43224 |
|                        |      |       |      | 159  | 4          | Mission Viejo       |     |      |     |       | 48256 |
|                        |      |       |      | 174  | 4          | Newport Beach       |     |      |     |       | 51182 |
|                        |      |       |      | 182  | 3          | Orange              |     |      |     |       | 53980 |
|                        |      |       |      | 202  | 5          | Placentia           |     |      |     |       | 57526 |
|                        |      |       |      | 232  | 5          | San Clemente        |     |      |     |       | 65084 |
|                        |      |       |      | 241  | 5          | San Juan Capistrano |     |      |     |       | 68028 |
|                        |      |       |      | 250  | 2          | Santa Ana           |     |      |     |       | 69000 |
|                        |      |       |      | 262  | 5          | Seal Beach          |     |      |     |       | 70686 |
|                        |      |       |      | 273  | 5          | Stanton             |     |      |     |       | 73962 |
|                        |      |       |      | 284  | 4          | Tustin              |     |      |     |       | 80854 |
|                        |      |       |      | 300  | 4          | Westminster         |     |      |     |       | 84550 |
|                        |      |       |      | 304  | 4          | Yorba Linda         |     |      |     |       | 86832 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |     |       | 99999 |
|                        | 031  | 239   | 1    |      |            | Placer              | 061 | 3    |     | 6920  |       |
|                        |      |       |      | 014  | 6          | Auburn              |     |      |     |       | 03204 |

| Vital Statistics Codes |       |      |      |     | FIPS Codes                               |         |     |       |       |
|------------------------|-------|------|------|-----|--|---------|-----|-------|-------|
| St Cnty                | P/MSA | M/NM | City | P/S | Area Names                               | St Cnty | P/S | P/MSA | Place |
| 05                     |       |      |      |     | California                               | 06      |     |       |       |
|                        | 031   |      |      |     | Placer, con.                             | 061     | 3   | 6920  |       |
|                        |       |      | 221  | 6   | Rocklin                                  |         |     |       | 62364 |
|                        |       |      | 224  | 5   | Roseville                                |         |     |       | 62938 |
|                        |       |      | 999  | 9   | Balance of county                        |         |     |       | 99999 |
|                        | 032   | 000  | 2    | 999 | Plumas                                   | 063     | 6   | 0000  |       |
|                        | 033   | 233  | 1    |     | Riverside                                | 065     | 0   | 6780  |       |
|                        |       |      | 018  | 6   | Banning                                  |         |     |       | 03820 |
|                        |       |      | 039  | 5   | Cathedral City                           |         |     |       | 12048 |
|                        |       |      | 048  | 6   | Coachella                                |         |     |       | 14260 |
|                        |       |      | 054  | 4   | Corona                                   |         |     |       | 16350 |
|                        |       |      | 067  | 6   | Desert Hot Springs                       |         |     |       | 18996 |
|                        |       |      | 104  | 5   | Hemet                                    |         |     |       | 33182 |
|                        |       |      | 114  | 5   | Indio                                    |         |     |       | 36448 |
|                        |       |      | 122  | 6   | Lake Elsinore                            |         |     |       | 39486 |
|                        |       |      | 129  | 6   | La Quinta                                |         |     |       | 40354 |
|                        |       |      | 168  | 3   | Moreno Valley                            |         |     |       | 49270 |
|                        |       |      | 175  | 6   | Norco                                    |         |     |       | 51560 |
|                        |       |      | 189  | 6   | Palm Desert                              |         |     |       | 55184 |
|                        |       |      | 190  | 5   | Palm Springs                             |         |     |       | 55254 |
|                        |       |      | 196  | 6   | Perris                                   |         |     |       | 56700 |
|                        |       |      | 220  | 3   | Riverside                                |         |     |       | 62000 |
|                        |       |      | 239  | 6   | San Jacinto                              |         |     |       | 67112 |
|                        |       |      | 277  | 5   | Temecula                                 |         |     |       | 78120 |
|                        |       |      | 999  | 9   | Balance of county                        |         |     |       | 99999 |
|                        | 034   | 239  | 1    |     | Sacramento                               | 067     | 0   | 6920  |       |
|                        |       |      | 086  | 5   | Folsom                                   |         |     |       | 24638 |
|                        |       |      | 225  | 2   | Sacramento                               |         |     |       | 64000 |
|                        |       |      | 999  | 9   | Balance of county                        |         |     |       | 99999 |
|                        | 035   | 000  | 2    |     | San Benito                               | 069     | 5   | 0000  |       |
|                        |       |      | 110  | 6   | Hollister                                |         |     |       | 34120 |
|                        |       |      | 999  | 9   | Balance of county                        |         |     |       | 99999 |
|                        | 036   | 233  | 1    |     | San Bernardino                           | 071     | 0   | 6780  |       |
|                        |       |      | 007  | 5   | Apple Valley                             |         |     |       | 02364 |
|                        |       |      | 019  | 6   | Barstow                                  |         |     |       | 04030 |
|                        |       |      | 043  | 4   | Chino                                    |         |     |       | 13210 |
|                        |       |      | 049  | 5   | Colton                                   |         |     |       | 14890 |
|                        |       |      | 087  | 4   | Fontana                                  |         |     |       | 24680 |
|                        |       |      | 098  | 6   | Grand Terrace                            |         |     |       | 30658 |
|                        |       |      | 107  | 4   | Hesperia                                 |         |     |       | 33434 |
|                        |       |      | 108  | 5   | Highland                                 |         |     |       | 33588 |
|                        |       |      | 137  | 6   | Loma Linda                               |         |     |       | 42370 |
|                        |       |      | 162  | 5   | Montclair                                |         |     |       | 48788 |
|                        |       |      | 181  | 3   | Ontario                                  |         |     |       | 53896 |
|                        |       |      | 209  | 3   | Rancho Cucamonga                         |         |     |       | 59451 |
|                        |       |      | 213  | 4   | Redlands                                 |         |     |       | 59962 |
|                        |       |      | 217  | 4   | Rialto                                   |         |     |       | 60466 |
|                        |       |      | 228  | 3   | San Bernardino                           |         |     |       | 65000 |
|                        |       |      | 285  | 6   | Twentynine Palms                         |         |     |       | 80994 |
|                        |       |      | 288  | 4   | Upland                                   |         |     |       | 81344 |
|                        |       |      | 291  | 5   | Victorville                              |         |     |       | 82590 |
|                        |       |      | 306  | 5   | Yucaipa                                  |         |     |       | 87042 |
|                        |       |      | 999  | 9   | Balance of county                        |         |     |       | 99999 |
|                        | 037   | 249  | 1    |     | San Diego                                | 073     | 0   | 7320  |       |
|                        |       |      | 036  | 4   | Carlsbad                                 |         |     |       | 11194 |
|                        |       |      | 044  | 3   | Chula Vista                              |         |     |       | 13392 |
|                        |       |      | 055  | 5   | Coronado                                 |         |     |       | 16378 |
|                        |       |      | 075  | 4   | El Cajon                                 |         |     |       | 21712 |
|                        |       |      | 081  | 4   | Encinitas                                |         |     |       | 22678 |
|                        |       |      | 082  | 3   | Escondido                                |         |     |       | 22804 |
|                        |       |      | 113  | 5   | Imperial Beach                           |         |     |       | 36294 |
|                        |       |      | 124  | 4   | La Mesa                                  |         |     |       | 40004 |
|                        |       |      | 133  | 6   | Lemon Grove                              |         |     |       | 41124 |
|                        |       |      | 172  | 4   | National City                            |         |     |       | 50398 |
|                        |       |      | 180  | 3   | Oceanside                                |         |     |       | 53322 |
|                        |       |      | 208  | 5   | Poway                                    |         |     |       | 58520 |
|                        |       |      | 233  | 0   | San Diego                                |         |     |       | 66000 |
|                        |       |      | 244  | 5   | San Marcos                               |         |     |       | 68196 |
|                        |       |      | 260  | 4   | Santee                                   |         |     |       | 70224 |
|                        |       |      | 267  | 6   | Solana Beach                             |         |     |       | 72506 |
|                        |       |      | 293  | 4   | Vista                                    |         |     |       | 82996 |
|                        |       |      | 999  | 9   | Balance of county                        |         |     |       | 99999 |
|                        | 038   | 250  | 1    | 236 | San Francisco, coext. with San Francisco | 075     | 1   | 7360  | 67000 |
|                        | 039   | 274  | 1    |     | San Joaquin                              | 077     | 2   | 8120  |       |
|                        |       |      | 136  | 4   | Lodi                                     |         |     |       | 42202 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St | Cnty | P/S | P/MSA | Place |
| 05                     |      |       |      |      |            | California          | 06 |      |     |       |       |
|                        | 039  |       |      |      |            | San Joaquin, con.   |    | 077  | 2   | 8120  |       |
|                        |      |       |      | 149  | 5          | Manteca             |    |      |     |       | 45484 |
|                        |      |       |      | 274  | 3          | Stockton            |    |      |     |       | 75000 |
|                        |      |       |      | 281  | 5          | Tracy               |    |      |     |       | 80238 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 040  | 252   | 1    |      |            | San Luis Obispo     |    | 079  | 3   | 7460  |       |
|                        |      |       |      | 010  | 6          | Arroyo Grande       |    |      |     |       | 02868 |
|                        |      |       |      | 012  | 6          | Atascadero          |    |      |     |       | 03064 |
|                        |      |       |      | 079  | 6          | El Paso de Robles   |    |      |     |       | 22300 |
|                        |      |       |      | 099  | 6          | Grover City         |    |      |     |       | 31400 |
|                        |      |       |      | 243  | 5          | San Luis Obispo     |    |      |     |       | 68154 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 041  | 250   | 1    |      |            | San Mateo           |    | 081  | 1   | 7360  |       |
|                        |      |       |      | 023  | 6          | Belmont             |    |      |     |       | 05108 |
|                        |      |       |      | 031  | 5          | Burlingame          |    |      |     |       | 09066 |
|                        |      |       |      | 062  | 4          | Daly City           |    |      |     |       | 17918 |
|                        |      |       |      | 074  | 6          | East Palo Alto      |    |      |     |       | 20956 |
|                        |      |       |      | 088  | 5          | Foster City         |    |      |     |       | 25338 |
|                        |      |       |      | 109  | 6          | Hillsborough        |    |      |     |       | 33798 |
|                        |      |       |      | 154  | 5          | Menlo Park          |    |      |     |       | 46870 |
|                        |      |       |      | 156  | 6          | Millbrae            |    |      |     |       | 47486 |
|                        |      |       |      | 186  | 5          | Pacifica            |    |      |     |       | 54806 |
|                        |      |       |      | 215  | 4          | Redwood City        |    |      |     |       | 60102 |
|                        |      |       |      | 229  | 5          | San Bruno           |    |      |     |       | 65028 |
|                        |      |       |      | 231  | 5          | San Carlos          |    |      |     |       | 65070 |
|                        |      |       |      | 246  | 4          | San Mateo           |    |      |     |       | 68252 |
|                        |      |       |      | 272  | 4          | South San Francisco |    |      |     |       | 73262 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 042  | 253   | 1    |      |            | Santa Barbara       |    | 083  | 2   | 7480  |       |
|                        |      |       |      | 037  | 6          | Carpinteria         |    |      |     |       | 11446 |
|                        |      |       |      | 139  | 5          | Lompoc              |    |      |     |       | 42524 |
|                        |      |       |      | 251  | 4          | Santa Barbara       |    |      |     |       | 69070 |
|                        |      |       |      | 256  | 4          | Santa Maria         |    |      |     |       | 69196 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 043  | 251   | 1    |      |            | Santa Clara         |    | 085  | 0   | 7400  |       |
|                        |      |       |      | 034  | 5          | Campbell            |    |      |     |       | 10340 |
|                        |      |       |      | 060  | 5          | Cupertino           |    |      |     |       | 17610 |
|                        |      |       |      | 095  | 5          | Gilroy              |    |      |     |       | 29504 |
|                        |      |       |      | 142  | 5          | Los Altos           |    |      |     |       | 43280 |
|                        |      |       |      | 145  | 5          | Los Gatos           |    |      |     |       | 44112 |
|                        |      |       |      | 158  | 4          | Milpitas            |    |      |     |       | 47766 |
|                        |      |       |      | 169  | 6          | Morgan Hill         |    |      |     |       | 49278 |
|                        |      |       |      | 170  | 4          | Mountain View       |    |      |     |       | 49670 |
|                        |      |       |      | 191  | 4          | Palo Alto           |    |      |     |       | 55282 |
|                        |      |       |      | 240  | 1          | San Jose            |    |      |     |       | 68000 |
|                        |      |       |      | 252  | 4          | Santa Clara         |    |      |     |       | 69084 |
|                        |      |       |      | 261  | 5          | Saratoga            |    |      |     |       | 70280 |
|                        |      |       |      | 276  | 3          | Sunnyvale           |    |      |     |       | 77000 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 044  | 254   | 1    |      |            | Santa Cruz          |    | 087  | 3   | 7485  |       |
|                        |      |       |      | 035  | 6          | Capitola            |    |      |     |       | 11040 |
|                        |      |       |      | 254  | 5          | Santa Cruz          |    |      |     |       | 69112 |
|                        |      |       |      | 297  | 5          | Watsonville         |    |      |     |       | 83668 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 045  | 229   | 1    |      |            | Shasta              |    | 089  | 3   | 6690  |       |
|                        |      |       |      | 212  | 4          | Redding             |    |      |     |       | 59920 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 046  | 000   | 2    |      |            | Sierra              |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    |      |            | Siskiyou            |    | 093  | 5   | 0000  |       |
|                        | 048  | 290   | 1    |      |            | Solano              |    | 095  | 2   | 8720  |       |
|                        |      |       |      | 024  | 6          | Benicia             |    |      |     |       | 05290 |
|                        |      |       |      | 070  | 6          | Dixon               |    |      |     |       | 19402 |
|                        |      |       |      | 084  | 4          | Fairfield           |    |      |     |       | 23182 |
|                        |      |       |      | 275  | 6          | Suisun City         |    |      |     |       | 75630 |
|                        |      |       |      | 289  | 4          | Vacaville           |    |      |     |       | 81554 |
|                        |      |       |      | 290  | 3          | Vallejo             |    |      |     |       | 81666 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 049  | 256   | 1    |      |            | Sonoma              |    | 097  | 2   | 7500  |       |
|                        |      |       |      | 197  | 5          | Petaluma            |    |      |     |       | 56784 |
|                        |      |       |      | 222  | 5          | Rohnert Park        |    |      |     |       | 62546 |
|                        |      |       |      | 259  | 3          | Santa Rosa          |    |      |     |       | 70098 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 050  | 185   | 1    |      |            | Stanislaus          |    | 099  | 2   | 5170  |       |
|                        |      |       |      | 040  | 5          | Ceres               |    |      |     |       | 12524 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes                 |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|----------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names                 | St  | Cnty | P/S | P/MSA | Place |
| 05                     |      |       |      |      |     | California                 | 06  |      |     |       |       |
|                        | 050  |       |      |      |     | Stanislaus, con.           | 099 | 2    |     | 5170  |       |
|                        |      |       |      | 160  | 3   | Modesto                    |     |      |     |       | 48354 |
|                        |      |       |      | 178  | 6   | Oakdale                    |     |      |     |       | 52694 |
|                        |      |       |      | 283  | 5   | Turlock                    |     |      |     |       | 80812 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |
|                        | 051  | 310   | 1    |      |     | Sutter                     | 101 | 4    |     | 9340  |       |
|                        |      |       |      | 305  | 5   | Yuba City                  |     |      |     |       | 86972 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |
|                        | 052  | 000   | 2    |      |     | Tehama                     | 103 | 5    |     | 0000  |       |
|                        |      |       |      | 211  | 6   | Red Bluff                  |     |      |     |       | 59892 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |
|                        | 053  | 000   | 2    |      |     | Trinity                    | 105 | 6    |     | 0000  |       |
|                        | 054  | 294   | 1    |      |     | Tulare                     | 107 | 2    |     | 8780  |       |
|                        |      |       |      | 069  | 6   | Dinuba                     |     |      |     |       | 19318 |
|                        |      |       |      | 206  | 5   | Porterville                |     |      |     |       | 58240 |
|                        |      |       |      | 282  | 5   | Tulare                     |     |      |     |       | 80644 |
|                        |      |       |      | 292  | 4   | Visalia                    |     |      |     |       | 82954 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |
|                        | 055  | 000   | 2    |      |     | Tuolumne                   | 109 | 5    |     | 0000  |       |
|                        | 056  | 291   | 1    |      |     | Ventura                    | 111 | 1    |     | 8735  |       |
|                        |      |       |      | 033  | 4   | Camarillo                  |     |      |     |       | 10046 |
|                        |      |       |      | 085  | 6   | Fillmore                   |     |      |     |       | 24092 |
|                        |      |       |      | 166  | 5   | Moorpark                   |     |      |     |       | 49138 |
|                        |      |       |      | 185  | 3   | Oxnard                     |     |      |     |       | 54652 |
|                        |      |       |      | 207  | 6   | Port Hueneme               |     |      |     |       | 58296 |
|                        |      |       |      | 230  | 4   | San Buenaventura (Ventura) |     |      |     |       | 65042 |
|                        |      |       |      | 258  | 5   | Santa Paula                |     |      |     |       | 70042 |
|                        |      |       |      | 266  | 3   | Simi Valley                |     |      |     |       | 72016 |
|                        |      |       |      | 279  | 3   | Thousand Oaks              |     |      |     |       | 78582 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |
|                        | 057  | 307   | 1    |      |     | Yolo                       | 113 | 3    |     | 9270  |       |
|                        |      |       |      | 065  | 5   | Davis                      |     |      |     |       | 18100 |
|                        |      |       |      | 301  | 5   | West Sacramento            |     |      |     |       | 84816 |
|                        |      |       |      | 303  | 5   | Woodland                   |     |      |     |       | 86328 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |
|                        | 058  | 310   | 1    |      |     | Yuba                       | 115 | 4    |     | 9340  |       |
|                        |      |       |      | 152  | 6   | Marysville                 |     |      |     |       | 46170 |
|                        |      |       |      | 999  | 9   | Balance of county          |     |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |                                 |      |     |       |       |       |
|------------------------|------|-------|------|------|------------|-------------------|---------------------------------|------|-----|-------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St                              | Cnty | P/S | P/MSA | Place |       |
| 06                     |      |       |      |      |            | Colorado          | 08                              |      |     |       |       |       |
|                        | 001  | 074   | 1    |      |            | Adams             |                                 | 001  | 2   | 2080  |       |       |
|                        |      |       |      | 001  | 4          | Arvada, part      |                                 |      |     |       | 03455 |       |
|                        |      |       |      | 002  | 3          | Aurora, part      |                                 |      |     |       | 04000 |       |
|                        |      |       |      | 004  | 6          | Brighton, part    |                                 |      |     |       | 08675 |       |
|                        |      |       |      | 005  | 6          | Broomfield, part  |                                 |      |     |       | 09280 |       |
|                        |      |       |      | 008  | 6          | Commerce City     |                                 |      |     |       | 16495 |       |
|                        |      |       |      | 023  | 5          | Northglenn        |                                 |      |     |       | 54330 |       |
|                        |      |       |      | 026  | 4          | Thornton          |                                 |      |     |       | 77290 |       |
|                        |      |       |      | 027  | 4          | Westminster, part |                                 |      |     |       | 83835 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 002  | 000   | 2    |      |            | Alamosa           |                                 | 003  | 6   | 0000  |       |       |
|                        | 003  | 074   | 1    |      |            | Arapahoe          |                                 | 005  | 2   | 2080  |       |       |
|                        |      |       |      | 002  | 3          | Aurora, part      |                                 |      |     |       | 04000 |       |
|                        |      |       |      | 011  | 5          | Englewood         |                                 |      |     |       | 24785 |       |
|                        |      |       |      | 019  | 5          | Littleton, part   |                                 |      |     |       | 45255 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 004  | 000   | 2    |      |            | Archuleta         |                                 | 007  | 6   | 0000  |       |       |
|                        | 005  | 000   | 2    |      |            | Baca              |                                 | 009  | 6   | 0000  |       |       |
|                        | 006  | 000   | 2    |      |            | Bent              |                                 | 011  | 6   | 0000  |       |       |
|                        | 007  | 038   | 1    |      |            | Boulder           |                                 | 013  | 3   | 1125  |       |       |
|                        |      |       |      | 003  | 4          | Boulder           |                                 |      |     |       | 07850 |       |
|                        |      |       |      | 005  | 6          | Broomfield, part  |                                 |      |     |       | 09280 |       |
|                        |      |       |      | 017  | 6          | Lafayette         |                                 |      |     |       | 41835 |       |
|                        |      |       |      | 020  | 4          | Longmont          |                                 |      |     |       | 45970 |       |
|                        |      |       |      | 021  | 6          | Louisville        |                                 |      |     |       | 46355 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 008  | 000   | 2    |      |            | Chaffee           |                                 | 015  | 6   | 0000  |       |       |
|                        | 009  | 000   | 2    |      |            | Cheyenne          |                                 | 017  | 6   | 0000  |       |       |
|                        | 010  | 000   | 2    |      |            | Clear Creek       |                                 | 019  | 6   | 0000  |       |       |
|                        | 011  | 000   | 2    |      |            | Conejos           |                                 | 021  | 6   | 0000  |       |       |
|                        | 012  | 000   | 2    |      |            | Costilla          |                                 | 023  | 6   | 0000  |       |       |
|                        | 013  | 000   | 2    |      |            | Crowley           |                                 | 025  | 6   | 0000  |       |       |
|                        | 014  | 000   | 2    |      |            | Custer            |                                 | 027  | 6   | 0000  |       |       |
|                        | 015  | 000   | 2    |      |            | Delta             |                                 | 029  | 6   | 0000  |       |       |
|                        | 016  | 074   | 1    |      | 009        | 2                 | Denver, coext. with Denver city |      | 031 | 2     | 2080  | 20000 |
|                        | 017  | 000   | 2    |      | 999        | 9                 | Dolores                         |      | 033 | 6     | 0000  |       |
|                        | 018  | 074   | 1    |      |            | Douglas           |                                 | 035  | 4   | 2080  |       |       |
|                        |      |       |      | 002  | 3          | Aurora, part      |                                 |      |     |       | 04000 |       |
|                        |      |       |      | 019  | 5          | Littleton, part   |                                 |      |     |       | 45255 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 019  | 000   | 2    |      |            | Eagle             |                                 | 037  | 6   | 0000  |       |       |
|                        | 020  | 000   | 2    |      |            | Elbert            |                                 | 039  | 6   | 0000  |       |       |
|                        | 021  | 060   | 1    |      |            | El Paso           |                                 | 041  | 2   | 1720  |       |       |
|                        |      |       |      | 007  | 2          | Colorado Springs  |                                 |      |     |       | 16000 |       |
|                        |      |       |      | 013  | 6          | Fountain          |                                 |      |     |       | 27865 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 022  | 000   | 2    |      |            | Fremont           |                                 | 043  | 5   | 0000  |       |       |
|                        |      |       |      | 006  | 6          | Canon City        |                                 |      |     |       | 11810 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 023  | 000   | 2    |      |            | Garfield          |                                 | 045  | 5   | 0000  |       |       |
|                        | 024  | 000   | 2    |      |            | Gilpin            |                                 | 047  | 6   | 0000  |       |       |
|                        | 025  | 000   | 2    |      |            | Grand             |                                 | 049  | 6   | 0000  |       |       |
|                        | 026  | 000   | 2    |      |            | Gunnison          |                                 | 051  | 6   | 0000  |       |       |
|                        | 027  | 000   | 2    |      |            | Hinsdale          |                                 | 053  | 6   | 0000  |       |       |
|                        | 028  | 000   | 2    |      |            | Huerfano          |                                 | 055  | 6   | 0000  |       |       |
|                        | 029  | 000   | 2    |      |            | Jackson           |                                 | 057  | 6   | 0000  |       |       |
|                        | 030  | 074   | 1    |      |            | Jefferson         |                                 | 059  | 2   | 2080  |       |       |
|                        |      |       |      | 001  | 4          | Arvada, part      |                                 |      |     |       | 03455 |       |
|                        |      |       |      | 005  | 6          | Broomfield, part  |                                 |      |     |       | 09280 |       |
|                        |      |       |      | 014  | 6          | Golden            |                                 |      |     |       | 30835 |       |
|                        |      |       |      | 018  | 3          | Lakewood          |                                 |      |     |       | 43000 |       |
|                        |      |       |      | 027  | 4          | Westminster, part |                                 |      |     |       | 83835 |       |
|                        |      |       |      | 028  | 5          | Wheat Ridge       |                                 |      |     |       | 84440 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 031  | 000   | 2    |      |            | Kiowa             |                                 | 061  | 6   | 0000  |       |       |
|                        | 032  | 000   | 2    |      |            | Kit Carson        |                                 | 063  | 6   | 0000  |       |       |
|                        | 033  | 000   | 2    |      |            | Lake              |                                 | 065  | 6   | 0000  |       |       |
|                        | 034  | 000   | 2    |      |            | La Plata          |                                 | 067  | 5   | 0000  |       |       |
|                        |      |       |      | 010  | 6          | Durango           |                                 |      |     |       | 22035 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |
|                        | 035  | 096   | 1    |      |            | Larimer           |                                 | 069  | 3   | 2670  |       |       |
|                        |      |       |      | 012  | 4          | Fort Collins      |                                 |      |     |       | 27425 |       |
|                        |      |       |      | 022  | 5          | Loveland          |                                 |      |     |       | 46465 |       |
|                        |      |       |      | 999  | 9          | Balance of county |                                 |      |     |       | 99999 |       |



| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 06                     |      |       |      |      |     | Colorado          | 08 |      |     |       |       |
|                        | 036  | 000   | 2    | 999  | 9   | Las Animas        |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9   | Lincoln           |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    |      |     | Logan             |    | 075  | 6   | 0000  |       |
|                        |      |       |      | 025  | 6   | Sterling          |    |      |     |       | 73935 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 039  | 000   | 2    |      |     | Mesa              |    | 077  | 4   | 0000  |       |
|                        |      |       |      | 015  | 5   | Grand Junction    |    |      |     |       | 31660 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 040  | 000   | 2    | 999  | 9   | Mineral           |    | 079  | 6   | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9   | Moffat            |    | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9   | Montezuma         |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9   | Montrose          |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9   | Morgan            |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9   | Otero             |    | 089  | 6   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9   | Ouray             |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9   | Park              |    | 093  | 6   | 0000  |       |
|                        | 048  | 000   | 2    | 999  | 9   | Phillips          |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9   | Pitkin            |    | 097  | 6   | 0000  |       |
|                        | 050  | 000   | 2    | 999  | 9   | Prowers           |    | 099  | 6   | 0000  |       |
|                        | 051  | 223   | 1    |      |     | Pueblo            |    | 101  | 3   | 6560  |       |
|                        |      |       |      | 024  | 4   | Pueblo            |    |      |     |       | 62000 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 052  | 000   | 2    | 999  | 9   | Rio Blanco        |    | 103  | 6   | 0000  |       |
|                        | 053  | 000   | 2    | 999  | 9   | Rio Grande        |    | 105  | 6   | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9   | Routt             |    | 107  | 6   | 0000  |       |
|                        | 055  | 000   | 2    | 999  | 9   | Saguache          |    | 109  | 6   | 0000  |       |
|                        | 056  | 000   | 2    | 999  | 9   | San Juan          |    | 111  | 6   | 0000  |       |
|                        | 057  | 000   | 2    | 999  | 9   | San Miguel        |    | 113  | 6   | 0000  |       |
|                        | 058  | 000   | 2    | 999  | 9   | Sedgwick          |    | 115  | 6   | 0000  |       |
|                        | 059  | 000   | 2    | 999  | 9   | Summit            |    | 117  | 6   | 0000  |       |
|                        | 060  | 000   | 2    | 999  | 9   | Teller            |    | 119  | 6   | 0000  |       |
|                        | 061  | 000   | 2    | 999  | 9   | Washington        |    | 121  | 6   | 0000  |       |
|                        | 062  | 114   | 1    |      |     | Weld              |    | 123  | 3   | 3060  |       |
|                        |      |       |      | 004  | 6   | Brighton, part    |    |      |     |       | 08675 |
|                        |      |       |      | 005  | 6   | Broomfield, part  |    |      |     |       | 09280 |
|                        |      |       |      | 016  | 4   | Greeley           |    |      |     |       | 32155 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 063  | 000   | 2    | 999  | 9   | Yuma              |    | 125  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes         |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|--------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names         | St | Cnty | P/S | P/MSA | Place |
| 07                     |      |       |      |      |     | Connecticut        | 09 |      |     |       |       |
|                        | 001  | 194   | 1    |      |     | Fairfield          |    | 001  | 1   | 5483  |       |
|                        |      |       |      | 002  | 6   | Bethel town        |    |      |     |       | 04720 |
|                        |      |       |      | 004  | 3   | Bridgeport         |    |      |     |       | 08000 |
|                        |      |       |      | 007  | 4   | Danbury            |    |      |     |       | 18430 |
|                        |      |       |      | 008  | 6   | Darien town        |    |      |     |       | 18920 |
|                        |      |       |      | 014  | 4   | Fairfield town     |    |      |     |       | 26620 |
|                        |      |       |      | 016  | 4   | Greenwich town     |    |      |     |       | 33620 |
|                        |      |       |      | 029  | 4   | Norwalk            |    |      |     |       | 55990 |
|                        |      |       |      | 033  | 5   | Shelton            |    |      |     |       | 68100 |
|                        |      |       |      | 035  | 3   | Stamford           |    |      |     |       | 73000 |
|                        |      |       |      | 036  | 5   | Stratford town     |    |      |     |       | 74260 |
|                        |      |       |      | 038  | 5   | Trumbull town      |    |      |     |       | 77270 |
|                        |      |       |      | 044  | 6   | Westport town      |    |      |     |       | 83500 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 002  | 122   | 1    |      |     | Hartford           |    | 003  | 1   | 3283  |       |
|                        |      |       |      | 005  | 4   | Bristol            |    |      |     |       | 08420 |
|                        |      |       |      | 011  | 4   | East Hartford town |    |      |     |       | 22630 |
|                        |      |       |      | 013  | 5   | Enfield town       |    |      |     |       | 25990 |
|                        |      |       |      | 015  | 5   | Glastonbury town   |    |      |     |       | 31240 |
|                        |      |       |      | 018  | 3   | Hartford           |    |      |     |       | 37000 |
|                        |      |       |      | 019  | 4   | Manchester town    |    |      |     |       | 44700 |
|                        |      |       |      | 024  | 4   | New Britain        |    |      |     |       | 50370 |
|                        |      |       |      | 026  | 5   | Newington town     |    |      |     |       | 52210 |
|                        |      |       |      | 031  | 6   | Plainville town    |    |      |     |       | 60120 |
|                        |      |       |      | 032  | 6   | Rocky Hill town    |    |      |     |       | 65370 |
|                        |      |       |      | 034  | 5   | Southington town   |    |      |     |       | 70550 |
|                        |      |       |      | 042  | 4   | West Hartford town |    |      |     |       | 82590 |
|                        |      |       |      | 045  | 5   | Wethersfield town  |    |      |     |       | 84900 |
|                        |      |       |      | 046  | 6   | Windsor Locks town |    |      |     |       | 87070 |
|                        |      |       |      | 047  | 5   | Windsor town       |    |      |     |       | 87000 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |     | Litchfield         |    | 005  | 3   | 0000  |       |
|                        |      |       |      | 037  | 5   | Torrington         |    |      |     |       | 76500 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 004  | 122   | 1    |      |     | Middlesex          |    | 007  | 3   | 3283  |       |
|                        |      |       |      | 021  | 5   | Middletown         |    |      |     |       | 47290 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 005  | 194   | 1    |      |     | New Haven          |    | 009  | 1   | 5483  |       |
|                        |      |       |      | 001  | 6   | Ansonia            |    |      |     |       | 01150 |
|                        |      |       |      | 003  | 5   | Branford town      |    |      |     |       | 07310 |
|                        |      |       |      | 006  | 5   | Cheshire town      |    |      |     |       | 14160 |
|                        |      |       |      | 009  | 6   | Derby              |    |      |     |       | 19480 |
|                        |      |       |      | 009  | 6   | Derby              |    |      |     |       | 19480 |
|                        |      |       |      | 012  | 5   | East Haven town    |    |      |     |       | 22980 |
|                        |      |       |      | 017  | 4   | Hamden town        |    |      |     |       | 35650 |
|                        |      |       |      | 020  | 4   | Meriden            |    |      |     |       | 46450 |
|                        |      |       |      | 022  | 5   | Milford            |    |      |     |       | 47500 |
|                        |      |       |      | 023  | 5   | Naugatuck borough  |    |      |     |       | 49880 |
|                        |      |       |      | 025  | 3   | New Haven          |    |      |     |       | 52000 |
|                        |      |       |      | 028  | 6   | North Haven town   |    |      |     |       | 54870 |
|                        |      |       |      | 040  | 5   | Wallingford town   |    |      |     |       | 78740 |
|                        |      |       |      | 041  | 3   | Waterbury          |    |      |     |       | 80000 |
|                        |      |       |      | 043  | 4   | West Haven         |    |      |     |       | 82800 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 006  | 195   | 1    |      |     | New London         |    | 011  | 2   | 5523  |       |
|                        |      |       |      | 027  | 5   | New London         |    |      |     |       | 52280 |
|                        |      |       |      | 030  | 5   | Norwich            |    |      |     |       | 56200 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 007  | 122   | 1    |      |     | Tolland            |    | 013  | 3   | 3283  |       |
|                        |      |       |      | 039  | 5   | Vernon town        |    |      |     |       | 78250 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 008  | 000   | 2    |      |     | Windham            |    | 015  | 3   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 08                     |      |       |      |      |     | Delaware          | 10 |      |     |       |       |
|                        | 001  | 078   | 1    |      |     | Kent              |    | 001  | 3   | 2190  |       |
|                        |      |       |      | 001  | 5   | Dover             |    |      |     |       | 21200 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 304   | 1    |      |     | New Castle        |    | 003  | 2   | 9160  |       |
|                        |      |       |      | 002  | 5   | Newark            |    |      |     |       | 50670 |
|                        |      |       |      | 003  | 4   | Wilmington        |    |      |     |       | 77580 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    | 999  | 9   | Sussex            |    | 005  | 3   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes           |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 09                     | 001  | 296   | 1    | 001  | 1   | District of Columbia | 11 | 001  | 1   | 8840  |       |

| Vital Statistics Codes |       |      |      |     |                    | FIPS Codes |     |       |       |  |
|------------------------|-------|------|------|-----|--------------------|------------|-----|-------|-------|--|
| St Cnty                | P/MSA | M/NM | City | P/S | Area Names         | St Cnty    | P/S | P/MSA | Place |  |
| 10                     |       |      |      |     | Florida            | 12         |     |       |       |  |
| 001                    | 106   | 1    |      |     | Alachua            | 001        | 3   | 2900  |       |  |
|                        |       |      | 032  | 4   | Gainesville        |            |     |       | 25175 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 002                    | 000   | 2    | 999  | 9   | Baker              | 003        | 6   | 0000  |       |  |
| 003                    | 210   | 1    |      |     | Bay                | 005        | 3   | 6015  |       |  |
|                        |       |      | 009  | 6   | Callaway           |            |     |       | 09725 |  |
|                        |       |      | 080  | 5   | Panama City        |            |     |       | 54700 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 004                    | 000   | 2    | 999  | 9   | Bradford           | 007        | 6   | 0000  |       |  |
| 005                    | 177   | 1    |      |     | Brevard            | 009        | 2   | 4900  |       |  |
|                        |       |      | 013  | 6   | Cocoa              |            |     |       | 13150 |  |
|                        |       |      | 014  | 6   | Cocoa Beach        |            |     |       | 13175 |  |
|                        |       |      | 055  | 4   | Melbourne          |            |     |       | 43975 |  |
|                        |       |      | 078  | 4   | Palm Bay           |            |     |       | 54000 |  |
|                        |       |      | 091  | 6   | Rockledge          |            |     |       | 61500 |  |
|                        |       |      | 110  | 5   | Titusville         |            |     |       | 71900 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 006                    | 097   | 1    |      |     | Broward            | 011        | 0   | 2680  |       |  |
|                        |       |      | 015  | 5   | Coconut Creek      |            |     |       | 13275 |  |
|                        |       |      | 016  | 6   | Cooper City        |            |     |       | 14125 |  |
|                        |       |      | 018  | 4   | Coral Springs      |            |     |       | 14400 |  |
|                        |       |      | 019  | 6   | Dania              |            |     |       | 16325 |  |
|                        |       |      | 020  | 5   | Davie              |            |     |       | 16475 |  |
|                        |       |      | 022  | 5   | Deerfield Beach    |            |     |       | 16725 |  |
|                        |       |      | 028  | 3   | Fort Lauderdale    |            |     |       | 24000 |  |
|                        |       |      | 036  | 5   | Hallandale         |            |     |       | 28450 |  |
|                        |       |      | 039  | 3   | Hollywood          |            |     |       | 32000 |  |
|                        |       |      | 049  | 5   | Lauderdale Lakes   |            |     |       | 39525 |  |
|                        |       |      | 050  | 5   | Lauderhill         |            |     |       | 39550 |  |
|                        |       |      | 052  | 6   | Lighthouse Point   |            |     |       | 40450 |  |
|                        |       |      | 054  | 5   | Margate            |            |     |       | 43125 |  |
|                        |       |      | 060  | 5   | Miramar            |            |     |       | 45975 |  |
|                        |       |      | 065  | 5   | North Lauderdale   |            |     |       | 49425 |  |
|                        |       |      | 070  | 5   | Oakland Park       |            |     |       | 50575 |  |
|                        |       |      | 081  | 4   | Pembroke Pines     |            |     |       | 55775 |  |
|                        |       |      | 084  | 4   | Plantation         |            |     |       | 57425 |  |
|                        |       |      | 086  | 4   | Pompano Beach      |            |     |       | 58050 |  |
|                        |       |      | 103  | 4   | Sunrise            |            |     |       | 69700 |  |
|                        |       |      | 106  | 5   | Tamarac            |            |     |       | 70675 |  |
|                        |       |      | 114  | 6   | Wilton Manors      |            |     |       | 78000 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 007                    | 000   | 2    | 999  | 9   | Calhoun            | 013        | 6   | 0000  |       |  |
| 008                    | 224   | 1    |      |     | Charlotte          | 015        | 3   | 6580  |       |  |
|                        |       |      | 089  | 6   | Punta Gorda        |            |     |       | 59200 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 009                    | 000   | 2    | 999  | 9   | Citrus             | 017        | 4   | 0000  |       |  |
| 010                    | 135   | 1    | 999  | 9   | Clay               | 019        | 3   | 3600  |       |  |
| 011                    | 191   | 1    |      |     | Collier            | 021        | 3   | 5345  |       |  |
|                        |       |      | 061  | 6   | Naples             |            |     |       | 47625 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 012                    | 000   | 2    | 999  | 9   | Columbia           | 023        | 5   | 0000  |       |  |
| 013                    | 180   | 1    |      |     | Dade               | 025        | 0   | 5000  |       |  |
|                        |       |      | 017  | 5   | Coral Gables       |            |     |       | 14250 |  |
|                        |       |      | 037  | 3   | Hialeah            |            |     |       | 30000 |  |
|                        |       |      | 040  | 5   | Homestead          |            |     |       | 32275 |  |
|                        |       |      | 056  | 2   | Miami              |            |     |       | 45000 |  |
|                        |       |      | 057  | 4   | Miami Beach        |            |     |       | 45025 |  |
|                        |       |      | 058  | 6   | Miami Shores       |            |     |       | 45175 |  |
|                        |       |      | 059  | 6   | Miami Springs      |            |     |       | 45200 |  |
|                        |       |      | 066  | 5   | North Miami        |            |     |       | 49450 |  |
|                        |       |      | 067  | 5   | North Miami Beach  |            |     |       | 49475 |  |
|                        |       |      | 073  | 6   | Opa-locka          |            |     |       | 51650 |  |
|                        |       |      | 101  | 6   | South Miami        |            |     |       | 67550 |  |
|                        |       |      | 104  | 6   | Sweetwater         |            |     |       | 70275 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 014                    | 000   | 2    | 999  | 9   | De Soto            | 027        | 6   | 0000  |       |  |
| 015                    | 000   | 2    | 999  | 9   | Dixie              | 029        | 6   | 0000  |       |  |
| 016                    | 135   | 1    |      |     | Duval              | 031        | 1   | 3600  |       |  |
|                        |       |      | 003  | 6   | Atlantic Beach     |            |     |       | 02400 |  |
|                        |       |      | 041  | 1   | Jacksonville       |            |     |       | 35000 |  |
|                        |       |      | 042  | 6   | Jacksonville Beach |            |     |       | 35050 |  |
|                        |       |      | 999  | 9   | Balance of county  |            |     |       | 99999 |  |
| 017                    | 212   | 1    |      |     | Escambia           | 033        | 2   | 6080  |       |  |
|                        |       |      | 082  | 4   | Pensacola          |            |     |       | 55925 |  |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St  | Cnty | P/S | P/MSA | Place |
| 10                     |      |       |      |      |     | Florida           | 12  |      |     |       |       |
|                        | 017  |       |      | 999  | 9   | Escambia, con.    | 033 | 2    |     | 6080  |       |
|                        |      |       |      |      |     | Balance of county |     |      |     |       | 99999 |
|                        | 018  | 071   | 1    | 999  | 9   | Flagler           | 035 | 5    |     | 2020  |       |
|                        | 019  | 000   | 2    | 999  | 9   | Franklin          | 037 | 6    |     | 0000  |       |
|                        | 020  | 278   | 1    | 999  | 9   | Gadsden           | 039 | 5    |     | 8240  |       |
|                        | 021  | 000   | 2    | 999  | 9   | Gilchrist         | 041 | 6    |     | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9   | Glades            | 043 | 6    |     | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9   | Gulf              | 045 | 6    |     | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9   | Hamilton          | 047 | 6    |     | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9   | Hardee            | 049 | 6    |     | 0000  |       |
|                        | 026  | 000   | 2    | 999  | 9   | Hendry            | 051 | 5    |     | 0000  |       |
|                        | 027  | 279   | 1    | 999  | 9   | Hernando          | 053 | 3    |     | 8280  |       |
|                        | 028  | 000   | 2    | 999  | 9   | Highlands         | 055 | 4    |     | 0000  |       |
|                        | 029  | 279   | 1    |      |     | Hillsborough      | 057 | 1    |     | 8280  |       |
|                        |      |       |      | 085  | 6   | Plant City        |     |      |     |       | 57550 |
|                        |      |       |      | 107  | 2   | Tampa             |     |      |     |       | 71000 |
|                        |      |       |      | 109  | 6   | Temple Terrace    |     |      |     |       | 71400 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 030  | 000   | 2    | 999  | 9   | Holmes            | 059 | 6    |     | 0000  |       |
|                        | 031  | 000   | 2    |      |     | Indian River      | 061 | 4    |     | 0000  |       |
|                        |      |       |      | 099  | 6   | Sebastian         |     |      |     |       | 64825 |
|                        |      |       |      | 112  | 6   | Vero Beach        |     |      |     |       | 74150 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 032  | 000   | 2    | 999  | 9   | Jackson           | 063 | 5    |     | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9   | Jefferson         | 065 | 6    |     | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9   | Lafayette         | 067 | 6    |     | 0000  |       |
|                        | 035  | 208   | 1    |      |     | Lake              | 069 | 3    |     | 5960  |       |
|                        |      |       |      | 027  | 6   | Eustis            |     |      |     |       | 21350 |
|                        |      |       |      | 051  | 6   | Leesburg          |     |      |     |       | 39875 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 036  | 098   | 1    |      |     | Lee               | 071 | 2    |     | 2700  |       |
|                        |      |       |      | 010  | 4   | Cape Coral        |     |      |     |       | 10275 |
|                        |      |       |      | 029  | 5   | Fort Myers        |     |      |     |       | 24125 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 037  | 278   | 1    |      |     | Leon              | 073 | 3    |     | 8240  |       |
|                        |      |       |      | 105  | 3   | Tallahassee       |     |      |     |       | 70600 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 038  | 000   | 2    | 999  | 9   | Levy              | 075 | 5    |     | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9   | Liberty           | 077 | 6    |     | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9   | Madison           | 079 | 6    |     | 0000  |       |
|                        | 041  | 257   | 1    |      |     | Manatee           | 081 | 3    |     | 7510  |       |
|                        |      |       |      | 008  | 5   | Bradenton         |     |      |     |       | 07950 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 042  | 202   | 1    |      |     | Marion            | 083 | 3    |     | 5790  |       |
|                        |      |       |      | 071  | 5   | Ocala             |     |      |     |       | 50750 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 043  | 099   | 1    |      |     | Martin            | 085 | 3    |     | 2710  |       |
|                        |      |       |      | 102  | 6   | Stuart            |     |      |     |       | 68875 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 044  | 000   | 2    |      |     | Monroe            | 087 | 4    |     | 0000  |       |
|                        |      |       |      | 044  | 6   | Key West          |     |      |     |       | 36550 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 045  | 135   | 1    | 999  | 9   | Nassau            | 089 | 5    |     | 3600  |       |
|                        | 046  | 101   | 1    |      |     | Okaloosa          | 091 | 3    |     | 2750  |       |
|                        |      |       |      | 031  | 6   | Fort Walton Beach |     |      |     |       | 24475 |
|                        |      |       |      | 064  | 6   | Niceville         |     |      |     |       | 48750 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 047  | 000   | 2    | 999  | 9   | Okeechobee        | 093 | 5    |     | 0000  |       |
|                        | 048  | 208   | 1    |      |     | Orange            | 095 | 1    |     | 5960  |       |
|                        |      |       |      | 002  | 6   | Apopka            |     |      |     |       | 01700 |
|                        |      |       |      | 072  | 6   | Ocoee             |     |      |     |       | 51075 |
|                        |      |       |      | 074  | 3   | Orlando           |     |      |     |       | 53000 |
|                        |      |       |      | 116  | 6   | Winter Park       |     |      |     |       | 78300 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 049  | 208   | 1    |      |     | Osceola           | 097 | 3    |     | 5960  |       |
|                        |      |       |      | 045  | 5   | Kissimmee         |     |      |     |       | 36950 |
|                        |      |       |      | 095  | 6   | St. Cloud         |     |      |     |       | 62625 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 050  | 299   | 1    |      |     | Palm Beach        | 099 | 1    |     | 8960  |       |
|                        |      |       |      | 005  | 6   | Belle Glade       |     |      |     |       | 05200 |
|                        |      |       |      | 006  | 4   | Boca Raton        |     |      |     |       | 07300 |
|                        |      |       |      | 007  | 5   | Boynton Beach     |     |      |     |       | 07875 |
|                        |      |       |      | 024  | 5   | Delray Beach      |     |      |     |       | 17100 |
|                        |      |       |      | 033  | 6   | Greenacres City   |     |      |     |       | 27325 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                    |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|--------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names         | St  | Cnty | P/S | P/MSA | Place |
| 10                     |      |       |      |      |            | Florida            | 12  |      |     |       |       |
|                        | 050  |       |      |      |            | Palm Beach, con.   | 099 | 1    |     | 8960  |       |
|                        |      |       |      | 043  | 6          | Jupiter            |     |      |     |       | 35875 |
|                        |      |       |      | 047  | 5          | Lake Worth         |     |      |     |       | 39075 |
|                        |      |       |      | 068  | 6          | North Palm Beach   |     |      |     |       | 49600 |
|                        |      |       |      | 079  | 6          | Palm Beach Gardens |     |      |     |       | 54075 |
|                        |      |       |      | 090  | 5          | Riviera Beach      |     |      |     |       | 60975 |
|                        |      |       |      | 092  | 6          | Royal Palm Beach   |     |      |     |       | 62100 |
|                        |      |       |      | 113  | 4          | West Palm Beach    |     |      |     |       | 76600 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 051  | 279   | 1    |      |            | Pasco              | 101 | 2    |     | 8280  |       |
|                        |      |       |      | 062  | 6          | New Port Richey    |     |      |     |       | 48500 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 052  | 279   | 1    |      |            | Pinellas           | 103 | 1    |     | 8280  |       |
|                        |      |       |      | 012  | 4          | Clearwater         |     |      |     |       | 12875 |
|                        |      |       |      | 025  | 5          | Dunedin            |     |      |     |       | 18575 |
|                        |      |       |      | 034  | 6          | Gulfport           |     |      |     |       | 28175 |
|                        |      |       |      | 048  | 4          | Largo              |     |      |     |       | 39425 |
|                        |      |       |      | 083  | 5          | Pinellas Park      |     |      |     |       | 56975 |
|                        |      |       |      | 093  | 6          | Safety Harbor      |     |      |     |       | 62425 |
|                        |      |       |      | 096  | 3          | St. Petersburg     |     |      |     |       | 63000 |
|                        |      |       |      | 108  | 6          | Tarpon Springs     |     |      |     |       | 71150 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 053  | 154   | 1    |      |            | Polk               | 105 | 2    |     | 3980  |       |
|                        |      |       |      | 004  | 6          | Bartow             |     |      |     |       | 03675 |
|                        |      |       |      | 035  | 6          | Haines City        |     |      |     |       | 28400 |
|                        |      |       |      | 046  | 4          | Lakeland           |     |      |     |       | 38250 |
|                        |      |       |      | 115  | 6          | Winter Haven       |     |      |     |       | 78275 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 054  | 000   | 2    |      |            | Putnam             | 107 | 4    |     | 0000  |       |
|                        |      |       |      | 077  | 6          | Palatka            |     |      |     |       | 53875 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 055  | 135   | 1    |      |            | St. Johns          | 109 | 4    |     | 3600  |       |
|                        |      |       |      | 094  | 6          | St. Augustine      |     |      |     |       | 62500 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 056  | 099   | 1    |      |            | St. Lucie          | 111 | 3    |     | 2710  |       |
|                        |      |       |      | 030  | 5          | Fort Pierce        |     |      |     |       | 24300 |
|                        |      |       |      | 088  | 4          | Port St. Lucie     |     |      |     |       | 58725 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 057  | 212   | 1    |      |            | Santa Rosa         | 113 | 4    |     | 6080  |       |
|                        | 058  | 257   | 1    |      |            | Sarasota           | 115 | 2    |     | 7510  |       |
|                        |      |       |      | 069  | 6          | North Port         |     |      |     |       | 49675 |
|                        |      |       |      | 098  | 4          | Sarasota           |     |      |     |       | 64175 |
|                        |      |       |      | 111  | 6          | Venice             |     |      |     |       | 73900 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 059  | 208   | 1    |      |            | Seminole           | 117 | 2    |     | 5960  |       |
|                        |      |       |      | 001  | 5          | Altamonte Springs  |     |      |     |       | 00950 |
|                        |      |       |      | 011  | 6          | Casselberry        |     |      |     |       | 11050 |
|                        |      |       |      | 053  | 6          | Longwood           |     |      |     |       | 41250 |
|                        |      |       |      | 076  | 6          | Oviedo             |     |      |     |       | 53575 |
|                        |      |       |      | 097  | 5          | Sanford            |     |      |     |       | 63650 |
|                        |      |       |      | 117  | 6          | Winter Springs     |     |      |     |       | 78325 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 060  | 000   | 2    |      |            | Sumter             | 119 | 5    |     | 0000  |       |
|                        | 061  | 000   | 2    |      |            | Suwannee           | 121 | 5    |     | 0000  |       |
|                        | 062  | 000   | 2    |      |            | Taylor             | 123 | 6    |     | 0000  |       |
|                        | 063  | 000   | 2    |      |            | Union              | 125 | 6    |     | 0000  |       |
|                        | 064  | 071   | 1    |      |            | Volusia            | 127 | 2    |     | 2020  |       |
|                        |      |       |      | 021  | 4          | Daytona Beach      |     |      |     |       | 16525 |
|                        |      |       |      | 023  | 6          | DeLand             |     |      |     |       | 16875 |
|                        |      |       |      | 026  | 6          | Edgewater          |     |      |     |       | 19825 |
|                        |      |       |      | 038  | 6          | Holly Hill         |     |      |     |       | 31350 |
|                        |      |       |      | 063  | 6          | New Smyrna Beach   |     |      |     |       | 48625 |
|                        |      |       |      | 075  | 5          | Ormond Beach       |     |      |     |       | 53150 |
|                        |      |       |      | 087  | 5          | Port Orange        |     |      |     |       | 58575 |
|                        |      |       |      | 100  | 6          | South Daytona      |     |      |     |       | 67325 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 065  | 000   | 2    |      |            | Wakulla            | 129 | 6    |     | 0000  |       |
|                        | 066  | 000   | 2    |      |            | Walton             | 131 | 5    |     | 0000  |       |
|                        | 067  | 000   | 2    |      |            | Washington         | 133 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes         |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|--------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names         | St  | Cnty | P/S | P/MSA | Place |
| 11                     |      |       |      |      |     | Georgia            | 13  |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9   | Appling            | 001 | 6    |     | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9   | Atkinson           | 003 | 6    |     | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9   | Bacon              | 005 | 6    |     | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9   | Baker              | 007 | 6    |     | 0000  |       |
|                        | 005  | 000   | 2    |      |     | Baldwin            | 009 | 5    |     | 0000  |       |
|                        |      |       |      | 029  | 6   | Milledgeville      |     |      |     |       | 51492 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 006  | 000   | 2    | 999  | 9   | Banks              | 011 | 6    |     | 0000  |       |
|                        | 007  | 016   | 1    | 999  | 9   | Barrow             | 013 | 5    |     | 0520  |       |
|                        | 008  | 016   | 1    |      |     | Bartow             | 015 | 4    |     | 0520  |       |
|                        |      |       |      | 010  | 6   | Cartersville       |     |      |     |       | 13688 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 009  | 000   | 2    | 999  | 9   | Ben Hill           | 017 | 6    |     | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9   | Berrien            | 019 | 6    |     | 0000  |       |
|                        | 011  | 172   | 1    |      |     | Bibb               | 021 | 3    |     | 4680  |       |
|                        |      |       |      | 027  | 3   | Macon, part        |     |      |     |       | 49000 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9   | Bleckley           | 023 | 6    |     | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9   | Brantley           | 025 | 6    |     | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9   | Brooks             | 027 | 6    |     | 0000  |       |
|                        | 015  | 258   | 1    | 999  | 9   | Bryan              | 029 | 6    |     | 7520  |       |
|                        | 016  | 000   | 2    |      |     | Bulloch            | 031 | 5    |     | 0000  |       |
|                        |      |       |      | 038  | 6   | Statesboro         |     |      |     |       | 73256 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 017  | 000   | 2    | 999  | 9   | Burke              | 033 | 6    |     | 0000  |       |
|                        | 018  | 000   | 2    | 999  | 9   | Butts              | 035 | 6    |     | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9   | Calhoun            | 037 | 6    |     | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9   | Camden             | 039 | 5    |     | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9   | Candler            | 043 | 6    |     | 0000  |       |
|                        | 022  | 016   | 1    |      |     | Carroll            | 045 | 4    |     | 0520  |       |
|                        |      |       |      | 009  | 6   | Carrollton         |     |      |     |       | 13492 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 023  | 053   | 1    | 999  | 9   | Catoosa            | 047 | 5    |     | 1560  |       |
|                        | 024  | 000   | 2    | 999  | 9   | Charlton           | 049 | 6    |     | 0000  |       |
|                        | 025  | 258   | 1    |      |     | Chatham            | 051 | 3    |     | 7520  |       |
|                        |      |       |      | 035  | 3   | Savannah           |     |      |     |       | 69000 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 026  | 063   | 1    | 999  | 9   | Chattahoochee      | 053 | 6    |     | 1800  |       |
|                        | 027  | 000   | 2    | 999  | 9   | Chattooga          | 055 | 6    |     | 0000  |       |
|                        | 028  | 016   | 1    | 999  | 9   | Cherokee           | 057 | 4    |     | 0520  |       |
|                        | 029  | 015   | 1    |      |     | Clarke             | 059 | 4    |     | 0500  |       |
|                        |      |       |      | 004  | 5   | Athens             |     |      |     |       | 03432 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 030  | 000   | 2    | 999  | 9   | Clay               | 061 | 6    |     | 0000  |       |
|                        | 031  | 016   | 1    |      |     | Clayton            | 063 | 3    |     | 0520  |       |
|                        |      |       |      | 011  | 6   | College Park, part |     |      |     |       | 17776 |
|                        |      |       |      | 021  | 6   | Forest Park        |     |      |     |       | 30536 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 032  | 000   | 2    | 999  | 9   | Clinch             | 065 | 6    |     | 0000  |       |
|                        | 033  | 016   | 1    |      |     | Cobb               | 067 | 2    |     | 0520  |       |
|                        |      |       |      | 028  | 5   | Marietta           |     |      |     |       | 49756 |
|                        |      |       |      | 036  | 5   | Smyrna             |     |      |     |       | 71492 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 034  | 000   | 2    |      |     | Coffee             | 069 | 5    |     | 0000  |       |
|                        |      |       |      | 017  | 6   | Douglas            |     |      |     |       | 23872 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 035  | 000   | 2    |      |     | Colquitt           | 071 | 5    |     | 0000  |       |
|                        |      |       |      | 030  | 6   | Moultrie           |     |      |     |       | 53060 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 036  | 018   | 1    | 999  | 9   | Columbia           | 073 | 4    |     | 0600  |       |
|                        | 037  | 000   | 2    | 999  | 9   | Cook               | 075 | 6    |     | 0000  |       |
|                        | 038  | 016   | 1    |      |     | Coweta             | 077 | 4    |     | 0520  |       |
|                        |      |       |      | 031  | 6   | Newnan             |     |      |     |       | 55020 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 039  | 000   | 2    | 999  | 9   | Crawford           | 079 | 6    |     | 0000  |       |
|                        | 040  | 000   | 2    |      |     | Crisp              | 081 | 6    |     | 0000  |       |
|                        |      |       |      | 013  | 6   | Cordele            |     |      |     |       | 19616 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 041  | 053   | 1    | 999  | 9   | Dade               | 083 | 6    |     | 1560  |       |
|                        | 042  | 000   | 2    | 999  | 9   | Dawson             | 085 | 6    |     | 0000  |       |
|                        | 043  | 000   | 2    |      |     | Decatur            | 087 | 5    |     | 0000  |       |
|                        |      |       |      | 007  | 6   | Bainbridge         |     |      |     |       | 04896 |
|                        |      |       |      | 999  | 9   | Balance of county  |     |      |     |       | 99999 |
|                        | 044  | 016   | 1    |      |     | De Kalb            | 089 | 1    |     | 0520  |       |
|                        |      |       |      | 005  | 2   | Atlanta, part      |     |      |     |       | 04000 |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                    |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|--------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names         | St  | Cnty | P/S | P/MSA | Place |
| 11                     |      |       |      |      |            | Georgia            | 13  |      |     |       |       |
|                        | 044  |       |      | 016  | 6          | De Kalb, con.      | 089 | 1    |     | 0520  |       |
|                        |      |       |      | 999  | 9          | Decatur            |     |      |     |       | 22052 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 045  | 000   | 2    | 999  | 9          | Dodge              | 091 | 6    |     | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Dooly              | 093 | 6    |     | 0000  |       |
|                        | 047  | 003   | 1    |      |            | Dougherty          | 095 | 4    |     | 0120  |       |
|                        |      |       |      | 001  | 4          | Albany             |     |      |     |       | 01052 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 048  | 016   | 1    |      |            | Douglas            | 097 | 4    |     | 0520  |       |
|                        |      |       |      | 018  | 6          | Douglasville       |     |      |     |       | 23900 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 049  | 000   | 2    | 999  | 9          | Early              | 099 | 6    |     | 0000  |       |
|                        | 050  | 000   | 2    | 999  | 9          | Echols             | 101 | 6    |     | 0000  |       |
|                        | 051  | 258   | 1    | 999  | 9          | Effingham          | 103 | 5    |     | 7520  |       |
|                        | 052  | 000   | 2    | 999  | 9          | Elbert             | 105 | 6    |     | 0000  |       |
|                        | 053  | 000   | 2    | 999  | 9          | Emanuel            | 107 | 6    |     | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Evans              | 109 | 6    |     | 0000  |       |
|                        | 055  | 000   | 2    | 999  | 9          | Fannin             | 111 | 6    |     | 0000  |       |
|                        | 056  | 016   | 1    |      |            | Fayette            | 113 | 4    |     | 0520  |       |
|                        |      |       |      | 032  | 6          | Peachtree City     |     |      |     |       | 59724 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 057  | 000   | 2    |      |            | Floyd              | 115 | 4    |     | 0000  |       |
|                        |      |       |      | 033  | 5          | Rome               |     |      |     |       | 66668 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 058  | 016   | 1    | 999  | 9          | Forsyth            | 117 | 5    |     | 0520  |       |
|                        | 059  | 000   | 2    | 999  | 9          | Franklin           | 119 | 6    |     | 0000  |       |
|                        | 060  | 016   | 1    |      |            | Fulton             | 121 | 1    |     | 0520  |       |
|                        |      |       |      | 002  | 6          | Alpharetta         |     |      |     |       | 01696 |
|                        |      |       |      | 005  | 2          | Atlanta, part      |     |      |     |       | 04000 |
|                        |      |       |      | 011  | 6          | College Park, part |     |      |     |       | 17776 |
|                        |      |       |      | 020  | 5          | East Point         |     |      |     |       | 25720 |
|                        |      |       |      | 034  | 5          | Roswell            |     |      |     |       | 67284 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 061  | 000   | 2    | 999  | 9          | Gilmer             | 123 | 6    |     | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9          | Glascok            | 125 | 6    |     | 0000  |       |
|                        | 063  | 000   | 2    |      |            | Glynn              | 127 | 4    |     | 0000  |       |
|                        |      |       |      | 008  | 6          | Brunswick          |     |      |     |       | 11560 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 064  | 000   | 2    | 999  | 9          | Gordon             | 129 | 5    |     | 0000  |       |
|                        | 065  | 000   | 2    | 999  | 9          | Grady              | 131 | 6    |     | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9          | Greene             | 133 | 6    |     | 0000  |       |
|                        | 067  | 016   | 1    |      |            | Gwinnett           | 135 | 2    |     | 0520  |       |
|                        |      |       |      | 026  | 6          | Lawrenceville      |     |      |     |       | 45488 |
|                        |      |       |      | 037  | 6          | Snellville         |     |      |     |       | 71604 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 068  | 000   | 2    | 999  | 9          | Habersham          | 137 | 5    |     | 0000  |       |
|                        | 069  | 000   | 2    |      |            | Hall               | 139 | 4    |     | 0000  |       |
|                        |      |       |      | 022  | 6          | Gainesville        |     |      |     |       | 31908 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 070  | 000   | 2    | 999  | 9          | Hancock            | 141 | 6    |     | 0000  |       |
|                        | 071  | 000   | 2    | 999  | 9          | Haralson           | 143 | 6    |     | 0000  |       |
|                        | 072  | 063   | 1    | 999  | 9          | Harris             | 145 | 6    |     | 1800  |       |
|                        | 073  | 000   | 2    | 999  | 9          | Hart               | 147 | 6    |     | 0000  |       |
|                        | 074  | 000   | 2    | 999  | 9          | Heard              | 149 | 6    |     | 0000  |       |
|                        | 075  | 016   | 1    | 999  | 9          | Henry              | 151 | 4    |     | 0520  |       |
|                        | 076  | 172   | 1    |      |            | Houston            | 153 | 4    |     | 4680  |       |
|                        |      |       |      | 043  | 5          | Warner Robins      |     |      |     |       | 80508 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 077  | 000   | 2    | 999  | 9          | Irwin              | 155 | 6    |     | 0000  |       |
|                        | 078  | 000   | 2    | 999  | 9          | Jackson            | 157 | 5    |     | 0000  |       |
|                        | 079  | 000   | 2    | 999  | 9          | Jasper             | 159 | 6    |     | 0000  |       |
|                        | 080  | 000   | 2    | 999  | 9          | Jeff Davis         | 161 | 6    |     | 0000  |       |
|                        | 081  | 000   | 2    | 999  | 9          | Jefferson          | 163 | 6    |     | 0000  |       |
|                        | 082  | 000   | 2    | 999  | 9          | Jenkins            | 165 | 6    |     | 0000  |       |
|                        | 083  | 000   | 2    | 999  | 9          | Johnson            | 167 | 6    |     | 0000  |       |
|                        | 084  | 172   | 1    |      |            | Jones              | 169 | 6    |     | 4680  |       |
|                        |      |       |      | 027  | 3          | Macon, part        |     |      |     |       | 49000 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 085  | 000   | 2    | 999  | 9          | Lamar              | 171 | 6    |     | 0000  |       |
|                        | 086  | 000   | 2    | 999  | 9          | Lanier             | 173 | 6    |     | 0000  |       |
|                        | 087  | 000   | 2    |      |            | Laurens            | 175 | 5    |     | 0000  |       |
|                        |      |       |      | 019  | 6          | Dublin             |     |      |     |       | 24376 |
|                        |      |       |      | 999  | 9          | Balance of county  |     |      |     |       | 99999 |
|                        | 088  | 003   | 1    | 999  | 9          | Lee                | 177 | 6    |     | 0120  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 11                     |      |       |      |      |     | Georgia           | 13 |      |     |       |       |
|                        | 089  | 000   | 2    |      |     | Liberty           |    | 179  | 4   | 0000  |       |
|                        |      |       |      | 024  | 6   | Hinesville        |    |      |     |       | 38964 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 090  | 000   | 2    | 999  | 9   | Lincoln           |    | 181  | 6   | 0000  |       |
|                        | 091  | 000   | 2    | 999  | 9   | Long              |    | 183  | 6   | 0000  |       |
|                        | 092  | 000   | 2    |      |     | Lowndes           |    | 185  | 4   | 0000  |       |
|                        |      |       |      | 041  | 5   | Valdosta          |    |      |     |       | 78800 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 093  | 000   | 2    | 999  | 9   | Lumpkin           |    | 187  | 6   | 0000  |       |
|                        | 094  | 018   | 1    | 999  | 9   | McDuffie          |    | 189  | 6   | 0600  |       |
|                        | 095  | 000   | 2    | 999  | 9   | McIntosh          |    | 191  | 6   | 0000  |       |
|                        | 096  | 000   | 2    | 999  | 9   | Macon             |    | 193  | 6   | 0000  |       |
|                        | 097  | 015   | 1    | 999  | 9   | Madison           |    | 195  | 6   | 0500  |       |
|                        | 098  | 000   | 2    | 999  | 9   | Marion            |    | 197  | 6   | 0000  |       |
|                        | 099  | 000   | 2    | 999  | 9   | Meriwether        |    | 199  | 6   | 0000  |       |
|                        | 100  | 000   | 2    | 999  | 9   | Miller            |    | 201  | 6   | 0000  |       |
|                        | 101  | 000   | 2    | 999  | 9   | Mitchell          |    | 205  | 6   | 0000  |       |
|                        | 102  | 000   | 2    | 999  | 9   | Monroe            |    | 207  | 6   | 0000  |       |
|                        | 103  | 000   | 2    |      |     | Montgomery        |    | 209  | 6   | 0000  |       |
|                        |      |       |      | 042  | 6   | Vidalia, part     |    |      |     |       | 79388 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 104  | 000   | 2    | 999  | 9   | Morgan            |    | 211  | 6   | 0000  |       |
|                        | 105  | 000   | 2    | 999  | 9   | Murray            |    | 213  | 5   | 0000  |       |
|                        | 106  | 063   | 1    |      |     | Muscogee          |    | 215  | 3   | 1800  |       |
|                        |      |       |      | 012  | 3   | Columbus          |    |      |     |       | 19000 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 107  | 016   | 1    |      |     | Newton            |    | 217  | 5   | 0520  |       |
|                        |      |       |      | 014  | 6   | Covington         |    |      |     |       | 20064 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 108  | 015   | 1    | 999  | 9   | Oconee            |    | 219  | 6   | 0500  |       |
|                        | 109  | 000   | 2    | 999  | 9   | Oglethorpe        |    | 221  | 6   | 0000  |       |
|                        | 110  | 016   | 1    | 999  | 9   | Paulding          |    | 223  | 5   | 0520  |       |
|                        | 111  | 172   | 1    | 999  | 9   | Peach             |    | 225  | 6   | 4680  |       |
|                        | 112  | 016   | 1    | 999  | 9   | Pickens           |    | 227  | 6   | 0520  |       |
|                        | 113  | 000   | 2    |      |     | Pierce            |    | 229  | 6   | 0000  |       |
|                        |      |       |      | 044  | 6   | Waycross, part    |    |      |     |       | 80956 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 114  | 000   | 2    | 999  | 9   | Pike              |    | 231  | 6   | 0000  |       |
|                        | 115  | 000   | 2    | 999  | 9   | Polk              |    | 233  | 5   | 0000  |       |
|                        | 116  | 000   | 2    | 999  | 9   | Pulaski           |    | 235  | 6   | 0000  |       |
|                        | 117  | 000   | 2    | 999  | 9   | Putnam            |    | 237  | 6   | 0000  |       |
|                        | 118  | 000   | 2    | 999  | 9   | Quitman           |    | 239  | 6   | 0000  |       |
|                        | 119  | 000   | 2    | 999  | 9   | Rabun             |    | 241  | 6   | 0000  |       |
|                        | 120  | 000   | 2    | 999  | 9   | Randolph          |    | 243  | 6   | 0000  |       |
|                        | 121  | 018   | 1    |      |     | Richmond          |    | 245  | 3   | 0600  |       |
|                        |      |       |      | 006  | 5   | Augusta           |    |      |     |       | 04196 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 122  | 016   | 1    | 999  | 9   | Rockdale          |    | 247  | 4   | 0520  |       |
|                        | 123  | 000   | 2    | 999  | 9   | Schley            |    | 249  | 6   | 0000  |       |
|                        | 124  | 000   | 2    | 999  | 9   | Screven           |    | 251  | 6   | 0000  |       |
|                        | 125  | 000   | 2    | 999  | 9   | Seminole          |    | 253  | 6   | 0000  |       |
|                        | 126  | 016   | 1    |      |     | Spalding          |    | 255  | 4   | 0520  |       |
|                        |      |       |      | 023  | 6   | Griffin           |    |      |     |       | 35324 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 127  | 000   | 2    | 999  | 9   | Stephens          |    | 257  | 6   | 0000  |       |
|                        | 128  | 000   | 2    | 999  | 9   | Stewart           |    | 259  | 6   | 0000  |       |
|                        | 129  | 000   | 2    |      |     | Sumter            |    | 261  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6   | Americus          |    |      |     |       | 02116 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 130  | 000   | 2    | 999  | 9   | Talbot            |    | 263  | 6   | 0000  |       |
|                        | 131  | 000   | 2    | 999  | 9   | Taliaferro        |    | 265  | 6   | 0000  |       |
|                        | 132  | 000   | 2    | 999  | 9   | Tattnall          |    | 267  | 6   | 0000  |       |
|                        | 133  | 000   | 2    | 999  | 9   | Taylor            |    | 269  | 6   | 0000  |       |
|                        | 134  | 000   | 2    | 999  | 9   | Telfair           |    | 271  | 6   | 0000  |       |
|                        | 135  | 000   | 2    | 999  | 9   | Terrell           |    | 273  | 6   | 0000  |       |
|                        | 136  | 000   | 2    |      |     | Thomas            |    | 275  | 5   | 0000  |       |
|                        |      |       |      | 039  | 6   | Thomasville       |    |      |     |       | 76224 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 137  | 000   | 2    |      |     | Tift              |    | 277  | 5   | 0000  |       |
|                        |      |       |      | 040  | 6   | Tifton            |    |      |     |       | 76476 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 138  | 000   | 2    |      |     | Toombs            |    | 279  | 6   | 0000  |       |
|                        |      |       |      | 042  | 6   | Vidalia, part     |    |      |     |       | 79388 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 11                     |      |       |      |      |     | Georgia           | 13 |      |     |       |       |
|                        | 139  | 000   | 2    | 999  | 9   | Towns             |    | 281  | 6   | 0000  |       |
|                        | 140  | 000   | 2    | 999  | 9   | Treutlen          |    | 283  | 6   | 0000  |       |
|                        | 141  | 000   | 2    |      |     | Troup             |    | 285  | 4   | 0000  |       |
|                        |      |       |      | 025  | 5   | La Grange         |    |      |     |       | 44340 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 142  | 000   | 2    | 999  | 9   | Turner            |    | 287  | 6   | 0000  |       |
|                        | 143  | 172   | 1    | 999  | 9   | Twiggs            |    | 289  | 6   | 4680  |       |
|                        | 144  | 000   | 2    | 999  | 9   | Union             |    | 291  | 6   | 0000  |       |
|                        | 145  | 000   | 2    | 999  | 9   | Upson             |    | 293  | 5   | 0000  |       |
|                        | 146  | 053   | 1    | 999  | 9   | Walker            |    | 295  | 4   | 1560  |       |
|                        | 147  | 016   | 1    | 999  | 9   | Walton            |    | 297  | 5   | 0520  |       |
|                        | 148  | 000   | 2    |      |     | Ware              |    | 299  | 5   | 0000  |       |
|                        |      |       |      | 044  | 6   | Waycross, part    |    |      |     |       | 80956 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 149  | 000   | 2    | 999  | 9   | Warren            |    | 301  | 6   | 0000  |       |
|                        | 150  | 000   | 2    | 999  | 9   | Washington        |    | 303  | 6   | 0000  |       |
|                        | 151  | 000   | 2    | 999  | 9   | Wayne             |    | 305  | 6   | 0000  |       |
|                        | 152  | 000   | 2    | 999  | 9   | Webster           |    | 307  | 6   | 0000  |       |
|                        | 153  | 000   | 2    | 999  | 9   | Wheeler           |    | 309  | 6   | 0000  |       |
|                        | 154  | 000   | 2    | 999  | 9   | White             |    | 311  | 6   | 0000  |       |
|                        | 155  | 000   | 2    |      |     | Whitfield         |    | 313  | 4   | 0000  |       |
|                        |      |       |      | 015  | 6   | Dalton            |    |      |     |       | 21380 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 156  | 000   | 2    | 999  | 9   | Wilcox            |    | 315  | 6   | 0000  |       |
|                        | 157  | 000   | 2    | 999  | 9   | Wilkes            |    | 317  | 6   | 0000  |       |
|                        | 158  | 000   | 2    | 999  | 9   | Wilkinson         |    | 319  | 6   | 0000  |       |
|                        | 159  | 000   | 2    | 999  | 9   | Worth             |    | 321  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes         |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|--------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names         | St | Cnty | P/S | P/MSA | Place |
| 12                     |      |       |      |      |     | Hawaii             | 15 |      |     |       |       |
|                        | 001  | 000   | 2    |      |     | Hawaii             |    | 001  | 3   | 0000  |       |
|                        |      |       |      | 002  | 5   | Hilo               |    |      |     |       | 14650 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 002  | 125   | 1    |      |     | Honolulu           |    | 003  | 1   | 3320  |       |
|                        |      |       |      | 001  | 6   | Ewa Beach          |    |      |     |       | 07450 |
|                        |      |       |      | 003  | 2   | Honolulu           |    |      |     |       | 17000 |
|                        |      |       |      | 005  | 5   | Kailua             |    |      |     |       | 23150 |
|                        |      |       |      | 006  | 5   | Kaneohe            |    |      |     |       | 28250 |
|                        |      |       |      | 007  | 5   | Mililani Town      |    |      |     |       | 51050 |
|                        |      |       |      | 008  | 5   | Pearl City         |    |      |     |       | 62600 |
|                        |      |       |      | 009  | 6   | Schofield Barracks |    |      |     |       | 69050 |
|                        |      |       |      | 010  | 6   | Wahiawa            |    |      |     |       | 72650 |
|                        |      |       |      | 012  | 5   | Waipahu            |    |      |     |       | 79700 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    | 999  | 9   | Kalawao            |    | 005  | 6   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9   | Kauai              |    | 007  | 4   | 0000  |       |
|                        | 005  | 000   | 2    |      |     | Maui               |    | 009  | 3   | 0000  |       |
|                        |      |       |      | 004  | 6   | Kahului            |    |      |     |       | 22700 |
|                        |      |       |      | 011  | 6   | Wailuku            |    |      |     |       | 77450 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St  | Cnty | P/S | P/MSA | Place |
| 13                     |      |       |      |      |     | Idaho             | 16  |      |     |       |       |
|                        | 001  | 036   | 1    |      |     | Ada               | 001 | 3    |     | 1080  |       |
|                        |      |       |      | 001  | 3   | Boise City        |     |      |     |       | 08830 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9   | Adams             | 003 | 6    |     | 0000  |       |
|                        | 003  | 000   | 2    |      |     | Bannock           | 005 | 4    |     | 0000  |       |
|                        |      |       |      | 008  | 5   | Pocatello, part   |     |      |     |       | 64090 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9   | Bear Lake         | 007 | 6    |     | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9   | Benewah           | 009 | 6    |     | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9   | Bingham           | 011 | 5    |     | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9   | Blaine            | 013 | 6    |     | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9   | Boise             | 015 | 6    |     | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9   | Bonner            | 017 | 5    |     | 0000  |       |
|                        | 010  | 000   | 2    |      |     | Bonneville        | 019 | 4    |     | 0000  |       |
|                        |      |       |      | 004  | 5   | Idaho Falls       |     |      |     |       | 39700 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9   | Boundary          | 021 | 6    |     | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9   | Butte             | 023 | 6    |     | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9   | Camas             | 025 | 6    |     | 0000  |       |
|                        | 014  | 036   | 1    |      |     | Canyon            | 027 | 4    |     | 1080  |       |
|                        |      |       |      | 002  | 6   | Caldwell          |     |      |     |       | 12250 |
|                        |      |       |      | 007  | 5   | Nampa             |     |      |     |       | 56260 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9   | Caribou           | 029 | 6    |     | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9   | Cassia            | 031 | 6    |     | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9   | Clark             | 033 | 6    |     | 0000  |       |
|                        | 018  | 000   | 2    | 999  | 9   | Clearwater        | 035 | 6    |     | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9   | Custer            | 037 | 6    |     | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9   | Elmore            | 039 | 6    |     | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9   | Franklin          | 041 | 6    |     | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9   | Fremont           | 043 | 6    |     | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9   | Gem               | 045 | 6    |     | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9   | Gooding           | 047 | 6    |     | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9   | Idaho             | 049 | 6    |     | 0000  |       |
|                        | 026  | 000   | 2    | 999  | 9   | Jefferson         | 051 | 6    |     | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9   | Jerome            | 053 | 6    |     | 0000  |       |
|                        | 028  | 000   | 2    |      |     | Kootenai          | 055 | 4    |     | 0000  |       |
|                        |      |       |      | 003  | 6   | Coeur d'Alene     |     |      |     |       | 16750 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 029  | 000   | 2    |      |     | Latah             | 057 | 5    |     | 0000  |       |
|                        |      |       |      | 006  | 6   | Moscow            |     |      |     |       | 54550 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 030  | 000   | 2    | 999  | 9   | Lemhi             | 059 | 6    |     | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9   | Lewis             | 061 | 6    |     | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9   | Lincoln           | 063 | 6    |     | 0000  |       |
|                        | 033  | 000   | 2    |      |     | Madison           | 065 | 6    |     | 0000  |       |
|                        |      |       |      | 009  | 6   | Rexburg           |     |      |     |       | 67420 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 034  | 000   | 2    | 999  | 9   | Minidoka          | 067 | 6    |     | 0000  |       |
|                        | 035  | 000   | 2    |      |     | Nez Perce         | 069 | 5    |     | 0000  |       |
|                        |      |       |      | 005  | 5   | Lewiston          |     |      |     |       | 46540 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 036  | 000   | 2    | 999  | 9   | Oneida            | 071 | 6    |     | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9   | Owyhee            | 073 | 6    |     | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9   | Payette           | 075 | 6    |     | 0000  |       |
|                        | 039  | 000   | 2    |      |     | Power             | 077 | 6    |     | 0000  |       |
|                        |      |       |      | 008  | 5   | Pocatello, part   |     |      |     |       | 64090 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 040  | 000   | 2    | 999  | 9   | Shoshone          | 079 | 6    |     | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9   | Teton             | 081 | 6    |     | 0000  |       |
|                        | 042  | 000   | 2    |      |     | Twin Falls        | 083 | 4    |     | 0000  |       |
|                        |      |       |      | 010  | 5   | Twin Falls        |     |      |     |       | 82810 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |     |       | 99999 |
|                        | 043  | 000   | 2    | 999  | 9   | Valley            | 085 | 6    |     | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9   | Washington        | 087 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes                      |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|---------------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names                      | St  | Cnty | P/S | P/MSA | Place |
| 14                     |      |       |      |      |     | Illinois                        | 17  |      |     |       |       |
|                        | 001  | 000   | 2    |      |     | Adams                           | 001 | 4    |     | 0000  |       |
|                        |      |       |      | 138  | 5   | Quincy                          |     |      |     |       | 62367 |
|                        |      |       |      | 999  | 9   | Balance of county               |     |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9   | Alexander                       | 003 | 6    |     | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9   | Bond                            | 005 | 6    |     | 0000  |       |
|                        | 004  | 237   | 1    |      |     | Boone                           | 007 | 5    |     | 6880  |       |
|                        |      |       |      | 011  | 6   | Belvidere                       |     |      |     |       | 05092 |
|                        |      |       |      | 999  | 9   | Balance of county               |     |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9   | Brown                           | 009 | 6    |     | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9   | Bureau                          | 011 | 5    |     | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9   | Calhoun                         | 013 | 6    |     | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9   | Carroll                         | 015 | 6    |     | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9   | Cass                            | 017 | 6    |     | 0000  |       |
|                        | 010  | 048   | 1    |      |     | Champaign                       | 019 | 3    |     | 1400  |       |
|                        |      |       |      | 032  | 4   | Champaign                       |     |      |     |       | 12385 |
|                        |      |       |      | 139  | 6   | Rantoul village                 |     |      |     |       | 62783 |
|                        |      |       |      | 160  | 5   | Urbana                          |     |      |     |       | 77005 |
|                        |      |       |      | 999  | 9   | Balance of county               |     |      |     |       | 99999 |
|                        | 011  | 000   | 2    |      |     | Christian                       | 021 | 5    |     | 0000  |       |
|                        |      |       |      | 158  | 6   | Taylorville                     |     |      |     |       | 74574 |
|                        |      |       |      | 999  | 9   | Balance of county               |     |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9   | Clark                           | 023 | 6    |     | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9   | Clay                            | 025 | 6    |     | 0000  |       |
|                        | 014  | 243   | 1    |      |     | Clinton                         | 027 | 5    |     | 7040  |       |
|                        |      |       |      | 031  | 6   | Centralia, part                 |     |      |     |       | 12164 |
|                        |      |       |      | 999  | 9   | Balance of county               |     |      |     |       | 99999 |
|                        | 015  | 000   | 2    |      |     | Coles                           | 029 | 4    |     | 0000  |       |
|                        |      |       |      | 033  | 6   | Charleston                      |     |      |     |       | 12567 |
|                        |      |       |      | 105  | 6   | Mattoon                         |     |      |     |       | 47553 |
|                        |      |       |      | 999  | 9   | Balance of county               |     |      |     |       | 99999 |
|                        | 016  | 055   | 1    |      |     | Cook                            | 031 | 0    |     | 1600  |       |
|                        |      |       |      | 003  | 6   | Alsip village                   |     |      |     |       | 01010 |
|                        |      |       |      | 005  | 4   | Arlington Heights village       |     |      |     |       | 02154 |
|                        |      |       |      | 007  | 6   | Bartlett village, part          |     |      |     |       | 04013 |
|                        |      |       |      | 010  | 6   | Bellwood village                |     |      |     |       | 04975 |
|                        |      |       |      | 012  | 6   | Bensenville village, part       |     |      |     |       | 05248 |
|                        |      |       |      | 013  | 5   | Berwyn                          |     |      |     |       | 05573 |
|                        |      |       |      | 016  | 6   | Blue Island                     |     |      |     |       | 06704 |
|                        |      |       |      | 020  | 6   | Bridgeview village              |     |      |     |       | 08225 |
|                        |      |       |      | 021  | 6   | Brookfield village              |     |      |     |       | 08576 |
|                        |      |       |      | 022  | 5   | Buffalo Grove village, part     |     |      |     |       | 09447 |
|                        |      |       |      | 023  | 5   | Burbank                         |     |      |     |       | 09642 |
|                        |      |       |      | 025  | 5   | Calumet City                    |     |      |     |       | 10487 |
|                        |      |       |      | 034  | 0   | Chicago, part                   |     |      |     |       | 14000 |
|                        |      |       |      | 035  | 5   | Chicago Heights                 |     |      |     |       | 14026 |
|                        |      |       |      | 036  | 6   | Chicago Ridge village           |     |      |     |       | 14065 |
|                        |      |       |      | 037  | 4   | Cicero                          |     |      |     |       | 14351 |
|                        |      |       |      | 039  | 6   | Country Club Hills              |     |      |     |       | 16691 |
|                        |      |       |      | 041  | 6   | Crestwood village               |     |      |     |       | 17497 |
|                        |      |       |      | 046  | 6   | Deerfield village, part         |     |      |     |       | 18992 |
|                        |      |       |      | 048  | 4   | Des Plaines                     |     |      |     |       | 19642 |
|                        |      |       |      | 050  | 6   | Dolton village                  |     |      |     |       | 20292 |
|                        |      |       |      | 057  | 4   | Elgin, part                     |     |      |     |       | 23074 |
|                        |      |       |      | 058  | 5   | Elk Grove Village village, part |     |      |     |       | 23256 |
|                        |      |       |      | 060  | 6   | Elmwood Park village            |     |      |     |       | 23724 |
|                        |      |       |      | 061  | 4   | Evanston                        |     |      |     |       | 24582 |
|                        |      |       |      | 062  | 6   | Evergreen Park village          |     |      |     |       | 24634 |
|                        |      |       |      | 064  | 6   | Forest Park village             |     |      |     |       | 26935 |
|                        |      |       |      | 065  | 6   | Franklin Park village           |     |      |     |       | 27702 |
|                        |      |       |      | 071  | 5   | Glenview village                |     |      |     |       | 29938 |
|                        |      |       |      | 074  | 5   | Hanover Park village, part      |     |      |     |       | 32746 |
|                        |      |       |      | 075  | 5   | Harvey                          |     |      |     |       | 33383 |
|                        |      |       |      | 076  | 6   | Hazel Crest village             |     |      |     |       | 33695 |
|                        |      |       |      | 078  | 6   | Hickory Hills                   |     |      |     |       | 34514 |
|                        |      |       |      | 080  | 6   | Hinsdale village, part          |     |      |     |       | 35307 |
|                        |      |       |      | 081  | 5   | Hoffman Estates village, part   |     |      |     |       | 35411 |
|                        |      |       |      | 082  | 6   | Homewood village                |     |      |     |       | 35879 |
|                        |      |       |      | 085  | 6   | Justice village                 |     |      |     |       | 38830 |
|                        |      |       |      | 088  | 6   | La Grange Park village          |     |      |     |       | 40793 |
|                        |      |       |      | 089  | 6   | La Grange village               |     |      |     |       | 40767 |
|                        |      |       |      | 092  | 5   | Lansing village                 |     |      |     |       | 42028 |
|                        |      |       |      | 095  | 6   | Lincolnwood village             |     |      |     |       | 43744 |
|                        |      |       |      | 103  | 6   | Markham                         |     |      |     |       | 47007 |
|                        |      |       |      | 104  | 6   | Matteson village                |     |      |     |       | 47540 |

| Vital Statistics Codes |       |      |      |     | FIPS Codes                      |         |     |       |       |
|------------------------|-------|------|------|-----|---------------------------------|---------|-----|-------|-------|
| St Cnty                | P/MSA | M/NM | City | P/S | Area Names                      | St Cnty | P/S | P/MSA | Place |
| 14                     |       |      |      |     | Illinois                        | 17      |     |       |       |
|                        | 016   |      |      |     | Cook, con.                      | 031     | 0   | 1600  |       |
|                        |       |      | 106  | 5   | Maywood village                 |         |     |       | 47774 |
|                        |       |      | 107  | 6   | Melrose Park village            |         |     |       | 48242 |
|                        |       |      | 108  | 6   | Midlothian village              |         |     |       | 48892 |
|                        |       |      | 111  | 6   | Morton Grove village            |         |     |       | 50647 |
|                        |       |      | 113  | 4   | Mount Prospect village          |         |     |       | 51089 |
|                        |       |      | 117  | 5   | Niles village                   |         |     |       | 53000 |
|                        |       |      | 119  | 6   | Norridge village                |         |     |       | 53377 |
|                        |       |      | 120  | 5   | Northbrook village              |         |     |       | 53481 |
|                        |       |      | 122  | 6   | Northlake                       |         |     |       | 53871 |
|                        |       |      | 123  | 5   | Oak Forest                      |         |     |       | 54638 |
|                        |       |      | 124  | 4   | Oak Lawn village                |         |     |       | 54820 |
|                        |       |      | 125  | 4   | Oak Park village                |         |     |       | 54885 |
|                        |       |      | 127  | 5   | Orland Park village             |         |     |       | 56640 |
|                        |       |      | 129  | 5   | Palatine village                |         |     |       | 57225 |
|                        |       |      | 130  | 6   | Palos Heights                   |         |     |       | 57381 |
|                        |       |      | 131  | 6   | Palos Hills                     |         |     |       | 57394 |
|                        |       |      | 132  | 6   | Park Forest village, part       |         |     |       | 57732 |
|                        |       |      | 133  | 5   | Park Ridge                      |         |     |       | 57875 |
|                        |       |      | 137  | 6   | Prospect Heights                |         |     |       | 62016 |
|                        |       |      | 140  | 6   | Richton Park village            |         |     |       | 63706 |
|                        |       |      | 141  | 6   | Riverdale village               |         |     |       | 64278 |
|                        |       |      | 142  | 6   | River Forest village            |         |     |       | 64304 |
|                        |       |      | 145  | 6   | Rolling Meadows                 |         |     |       | 65338 |
|                        |       |      | 147  | 6   | Roselle village, part           |         |     |       | 65806 |
|                        |       |      | 150  | 4   | Schaumburg village, part        |         |     |       | 68003 |
|                        |       |      | 151  | 6   | Schiller Park village           |         |     |       | 68081 |
|                        |       |      | 152  | 4   | Skokie village                  |         |     |       | 70122 |
|                        |       |      | 153  | 6   | South Holland village           |         |     |       | 70850 |
|                        |       |      | 156  | 5   | Streamwood village              |         |     |       | 73157 |
|                        |       |      | 159  | 5   | Tinley Park village, part       |         |     |       | 75484 |
|                        |       |      | 166  | 6   | Westchester village             |         |     |       | 80047 |
|                        |       |      | 168  | 6   | Western Springs village         |         |     |       | 80242 |
|                        |       |      | 171  | 5   | Wheeling village, part          |         |     |       | 81087 |
|                        |       |      | 172  | 5   | Wilmette village                |         |     |       | 82075 |
|                        |       |      | 173  | 6   | Winnetka village                |         |     |       | 82530 |
|                        |       |      | 178  | 6   | Worth village                   |         |     |       | 83518 |
|                        |       |      | 999  | 9   | Balance of county               |         |     |       | 99999 |
| 017                    | 000   | 2    | 999  | 9   | Crawford                        | 033     | 6   | 0000  |       |
| 018                    | 000   | 2    | 999  | 9   | Cumberland                      | 035     | 6   | 0000  |       |
| 019                    | 055   | 1    |      |     | De Kalb                         | 037     | 4   | 1600  |       |
|                        |       |      | 047  | 5   | De Kalb                         |         |     |       | 19161 |
|                        |       |      | 999  | 9   | Balance of county               |         |     |       | 99999 |
| 020                    | 000   | 2    | 999  | 9   | De Witt                         | 039     | 6   | 0000  |       |
| 021                    | 000   | 2    | 999  | 9   | Douglas                         | 041     | 6   | 0000  |       |
| 022                    | 055   | 1    |      |     | Du Page                         | 043     | 1   | 1600  |       |
|                        |       |      | 001  | 5   | Addison village                 |         |     |       | 00243 |
|                        |       |      | 006  | 4   | Aurora, part                    |         |     |       | 03012 |
|                        |       |      | 007  | 6   | Bartlett village, part          |         |     |       | 04013 |
|                        |       |      | 008  | 6   | Batavia, part                   |         |     |       | 04078 |
|                        |       |      | 012  | 6   | Bensenville village, part       |         |     |       | 05248 |
|                        |       |      | 014  | 6   | Bloomington village             |         |     |       | 06587 |
|                        |       |      | 017  | 5   | Bolingbrook village, part       |         |     |       | 07133 |
|                        |       |      | 028  | 5   | Carol Stream village            |         |     |       | 11332 |
|                        |       |      | 034  | 0   | Chicago, part                   |         |     |       | 14000 |
|                        |       |      | 044  | 6   | Darien                          |         |     |       | 18628 |
|                        |       |      | 051  | 5   | Downers Grove village           |         |     |       | 20591 |
|                        |       |      | 058  | 5   | Elk Grove Village village, part |         |     |       | 23256 |
|                        |       |      | 059  | 5   | Elmhurst                        |         |     |       | 23620 |
|                        |       |      | 069  | 5   | Glendale Heights village        |         |     |       | 29730 |
|                        |       |      | 070  | 6   | Glen Ellyn village              |         |     |       | 29756 |
|                        |       |      | 074  | 5   | Hanover Park village, part      |         |     |       | 32746 |
|                        |       |      | 080  | 6   | Hinsdale village, part          |         |     |       | 35307 |
|                        |       |      | 096  | 6   | Lisle village                   |         |     |       | 43939 |
|                        |       |      | 097  | 5   | Lombard village                 |         |     |       | 44407 |
|                        |       |      | 116  | 4   | Naperville, part                |         |     |       | 51622 |
|                        |       |      | 147  | 6   | Roselle village, part           |         |     |       | 65806 |
|                        |       |      | 149  | 6   | St. Charles, part               |         |     |       | 66703 |
|                        |       |      | 150  | 4   | Schaumburg village, part        |         |     |       | 68003 |
|                        |       |      | 162  | 6   | Villa Park village              |         |     |       | 77993 |
|                        |       |      | 163  | 6   | Warrenville                     |         |     |       | 78929 |
|                        |       |      | 167  | 6   | West Chicago                    |         |     |       | 80060 |
|                        |       |      | 169  | 6   | Westmont village                |         |     |       | 80645 |
|                        |       |      | 170  | 4   | Wheaton                         |         |     |       | 81048 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes                  |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|-----------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names                  | St  | Cnty | P/S | P/MSA | Place |
| 14                     |      |       |      |      |     | Illinois                    | 17  |      |     |       |       |
|                        | 022  |       |      |      |     | Du Page, con.               | 043 | 1    |     | 1600  |       |
|                        |      |       |      | 174  | 6   | Wood Dale                   |     |      |     |       | 82985 |
|                        |      |       |      | 175  | 5   | Woodridge village, part     |     |      |     |       | 83245 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 023  | 000   | 2    |      |     | Edgar                       | 045 | 6    |     | 0000  |       |
|                        | 024  | 000   | 2    |      |     | Edwards                     | 047 | 6    |     | 0000  |       |
|                        | 025  | 000   | 2    |      |     | Effingham                   | 049 | 5    |     | 0000  |       |
|                        |      |       |      | 056  | 6   | Effingham                   |     |      |     |       | 22736 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 026  | 000   | 2    |      |     | Fayette                     | 051 | 6    |     | 0000  |       |
|                        | 027  | 000   | 2    |      |     | Ford                        | 053 | 6    |     | 0000  |       |
|                        | 028  | 000   | 2    |      |     | Franklin                    | 055 | 5    |     | 0000  |       |
|                        | 029  | 000   | 2    |      |     | Fulton                      | 057 | 5    |     | 0000  |       |
|                        |      |       |      | 026  | 6   | Canton                      |     |      |     |       | 11007 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 030  | 000   | 2    |      |     | Gallatin                    | 059 | 6    |     | 0000  |       |
|                        | 031  | 000   | 2    |      |     | Greene                      | 061 | 6    |     | 0000  |       |
|                        | 032  | 055   | 1    |      |     | Grundy                      | 063 | 5    |     | 1600  |       |
|                        |      |       |      | 110  | 6   | Morris                      |     |      |     |       | 50491 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 033  | 000   | 2    |      |     | Hamilton                    | 065 | 6    |     | 0000  |       |
|                        | 034  | 000   | 2    |      |     | Hancock                     | 067 | 6    |     | 0000  |       |
|                        | 035  | 000   | 2    |      |     | Hardin                      | 069 | 6    |     | 0000  |       |
|                        | 036  | 000   | 2    |      |     | Henderson                   | 071 | 6    |     | 0000  |       |
|                        | 037  | 069   | 1    |      |     | Henry                       | 073 | 4    |     | 1960  |       |
|                        |      |       |      | 087  | 6   | Kewanee                     |     |      |     |       | 39727 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 038  | 000   | 2    |      |     | Iroquois                    | 075 | 5    |     | 0000  |       |
|                        | 039  | 000   | 2    |      |     | Jackson                     | 077 | 4    |     | 0000  |       |
|                        |      |       |      | 027  | 5   | Carbondale                  |     |      |     |       | 11163 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 040  | 000   | 2    |      |     | Jasper                      | 079 | 6    |     | 0000  |       |
|                        | 041  | 000   | 2    |      |     | Jefferson                   | 081 | 5    |     | 0000  |       |
|                        |      |       |      | 114  | 6   | Mount Vernon                |     |      |     |       | 51180 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 042  | 243   | 1    |      |     | Jersey                      | 083 | 6    |     | 7040  |       |
|                        | 043  | 000   | 2    |      |     | Jo Daviess                  | 085 | 6    |     | 0000  |       |
|                        | 044  | 000   | 2    |      |     | Johnson                     | 087 | 6    |     | 0000  |       |
|                        | 045  | 055   | 1    |      |     | Kane                        | 089 | 2    |     | 1600  |       |
|                        |      |       |      | 002  | 6   | Algonquin village, part     |     |      |     |       | 00685 |
|                        |      |       |      | 006  | 4   | Aurora, part                |     |      |     |       | 03012 |
|                        |      |       |      | 007  | 6   | Bartlett village, part      |     |      |     |       | 04013 |
|                        |      |       |      | 008  | 6   | Batavia, part               |     |      |     |       | 04078 |
|                        |      |       |      | 029  | 6   | Carpentersville village     |     |      |     |       | 11358 |
|                        |      |       |      | 057  | 4   | Elgin, part                 |     |      |     |       | 23074 |
|                        |      |       |      | 068  | 6   | Geneva                      |     |      |     |       | 28872 |
|                        |      |       |      | 149  | 6   | St. Charles, part           |     |      |     |       | 66703 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 046  | 144   | 1    |      |     | Kankakee                    | 091 | 4    |     | 3740  |       |
|                        |      |       |      | 018  | 6   | Bourbonnais village         |     |      |     |       | 07471 |
|                        |      |       |      | 019  | 6   | Bradley village             |     |      |     |       | 07744 |
|                        |      |       |      | 086  | 5   | Kankakee                    |     |      |     |       | 38934 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 047  | 055   | 1    |      |     | Kendall                     | 093 | 5    |     | 1600  |       |
|                        | 048  | 000   | 2    |      |     | Knox                        | 095 | 4    |     | 0000  |       |
|                        |      |       |      | 067  | 5   | Galesburg                   |     |      |     |       | 28326 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 049  | 055   | 1    |      |     | Lake                        | 097 | 1    |     | 1600  |       |
|                        |      |       |      | 022  | 5   | Buffalo Grove village, part |     |      |     |       | 09447 |
|                        |      |       |      | 046  | 6   | Deerfield village, part     |     |      |     |       | 18992 |
|                        |      |       |      | 073  | 6   | Gurnee village              |     |      |     |       | 32018 |
|                        |      |       |      | 079  | 5   | Highland Park               |     |      |     |       | 34722 |
|                        |      |       |      | 090  | 6   | Lake Forest                 |     |      |     |       | 41105 |
|                        |      |       |      | 091  | 6   | Lake Zurich village         |     |      |     |       | 41742 |
|                        |      |       |      | 093  | 6   | Libertyville village        |     |      |     |       | 43250 |
|                        |      |       |      | 115  | 6   | Mundelein village           |     |      |     |       | 51349 |
|                        |      |       |      | 121  | 5   | North Chicago               |     |      |     |       | 53559 |
|                        |      |       |      | 148  | 6   | Round Lake Beach village    |     |      |     |       | 66040 |
|                        |      |       |      | 161  | 6   | Vernon Hills village        |     |      |     |       | 77694 |
|                        |      |       |      | 165  | 4   | Waukegan                    |     |      |     |       | 79293 |
|                        |      |       |      | 171  | 5   | Wheeling village, part      |     |      |     |       | 81087 |
|                        |      |       |      | 179  | 6   | Zion                        |     |      |     |       | 84220 |
|                        |      |       |      | 999  | 9   | Balance of county           |     |      |     |       | 99999 |
|                        | 050  | 000   | 2    |      |     | La Salle                    | 099 | 3    |     | 0000  |       |
|                        |      |       |      | 128  | 6   | Ottawa                      |     |      |     |       | 56926 |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                         |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-------------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names              | St  | Cnty | P/S  | P/MSA | Place |
| 14                     |      |       |      |      |            | Illinois                | 17  |      |      |       |       |
|                        | 050  |       |      | 157  | 6          | La Salle, con.          | 099 | 3    | 0000 |       | 73170 |
|                        |      |       |      | 999  | 9          | Streator, part          |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       |       |
|                        | 051  | 000   | 2    | 999  | 9          | Lawrence                | 101 | 6    | 0000 |       |       |
|                        | 052  | 000   | 2    |      |            | Lee                     | 103 | 5    | 0000 |       |       |
|                        |      |       |      | 049  | 6          | Dixon                   |     |      |      |       | 20162 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 053  | 000   | 2    |      |            | Livingston              | 105 | 5    | 0000 |       |       |
|                        |      |       |      | 136  | 6          | Pontiac                 |     |      |      |       | 61015 |
|                        |      |       |      | 157  | 6          | Streator, part          |     |      |      |       | 73170 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 054  | 000   | 2    |      |            | Logan                   | 107 | 5    | 0000 |       |       |
|                        |      |       |      | 094  | 6          | Lincoln                 |     |      |      |       | 43536 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 055  | 000   | 2    |      |            | McDonough               | 109 | 5    | 0000 |       |       |
|                        |      |       |      | 101  | 6          | Macomb                  |     |      |      |       | 45889 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 056  | 055   | 1    |      |            | McHenry                 | 111 | 3    | 1600 |       |       |
|                        |      |       |      | 002  | 6          | Algonquin village, part |     |      |      |       | 00685 |
|                        |      |       |      | 030  | 6          | Cary village            |     |      |      |       | 11592 |
|                        |      |       |      | 042  | 6          | Crystal Lake            |     |      |      |       | 17887 |
|                        |      |       |      | 099  | 6          | McHenry                 |     |      |      |       | 45694 |
|                        |      |       |      | 177  | 6          | Woodstock               |     |      |      |       | 83349 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 057  | 035   | 1    |      |            | McLean                  | 113 | 3    | 1040 |       |       |
|                        |      |       |      | 015  | 4          | Bloomington             |     |      |      |       | 06613 |
|                        |      |       |      | 118  | 5          | Normal                  |     |      |      |       | 53234 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 058  | 073   | 1    |      |            | Macon                   | 115 | 3    | 2040 |       |       |
|                        |      |       |      | 045  | 4          | Decatur                 |     |      |      |       | 18823 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 059  | 000   | 2    |      |            | Macoupin                | 117 | 5    | 0000 |       |       |
|                        | 060  | 243   | 1    |      |            | Madison                 | 119 | 3    | 7040 |       |       |
|                        |      |       |      | 004  | 5          | Alton                   |     |      |      |       | 01114 |
|                        |      |       |      | 038  | 6          | Collinsville, part      |     |      |      |       | 15599 |
|                        |      |       |      | 055  | 6          | Edwardsville            |     |      |      |       | 22697 |
|                        |      |       |      | 072  | 5          | Granite City            |     |      |      |       | 30926 |
|                        |      |       |      | 176  | 6          | Wood River              |     |      |      |       | 83271 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 061  | 000   | 2    |      |            | Marion                  | 121 | 5    | 0000 |       |       |
|                        |      |       |      | 031  | 6          | Centralia, part         |     |      |      |       | 12164 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 062  | 000   | 2    |      |            | Marshall                | 123 | 6    | 0000 |       |       |
|                        | 063  | 000   | 2    |      |            | Mason                   | 125 | 6    | 0000 |       |       |
|                        | 064  | 000   | 2    |      |            | Massac                  | 127 | 6    | 0000 |       |       |
|                        | 065  | 269   | 1    |      |            | Menard                  | 129 | 6    | 7880 |       |       |
|                        | 066  | 000   | 2    |      |            | Mercer                  | 131 | 6    | 0000 |       |       |
|                        | 067  | 243   | 1    |      |            | Monroe                  | 133 | 6    | 7040 |       |       |
|                        | 068  | 000   | 2    |      |            | Montgomery              | 135 | 5    | 0000 |       |       |
|                        | 069  | 000   | 2    |      |            | Morgan                  | 137 | 5    | 0000 |       |       |
|                        |      |       |      | 083  | 6          | Jacksonville            |     |      |      |       | 38115 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 070  | 000   | 2    |      |            | Moultrie                | 139 | 6    | 0000 |       |       |
|                        | 071  | 237   | 1    |      |            | Ogle                    | 141 | 5    | 6880 |       |       |
|                        | 072  | 213   | 1    |      |            | Peoria                  | 143 | 3    | 6120 |       |       |
|                        |      |       |      | 134  | 5          | Pekin, part             |     |      |      |       | 58447 |
|                        |      |       |      | 135  | 3          | Peoria                  |     |      |      |       | 59000 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 073  | 000   | 2    |      |            | Perry                   | 145 | 6    | 0000 |       |       |
|                        | 074  | 000   | 2    |      |            | Piatt                   | 147 | 6    | 0000 |       |       |
|                        | 075  | 000   | 2    |      |            | Pike                    | 149 | 6    | 0000 |       |       |
|                        | 076  | 000   | 2    |      |            | Pope                    | 151 | 6    | 0000 |       |       |
|                        | 077  | 000   | 2    |      |            | Pulaski                 | 153 | 6    | 0000 |       |       |
|                        | 078  | 000   | 2    |      |            | Putnam                  | 155 | 6    | 0000 |       |       |
|                        | 079  | 000   | 2    |      |            | Randolph                | 157 | 5    | 0000 |       |       |
|                        | 080  | 000   | 2    |      |            | Richland                | 159 | 6    | 0000 |       |       |
|                        | 081  | 069   | 1    |      |            | Rock Island             | 161 | 3    | 1960 |       |       |
|                        |      |       |      | 052  | 6          | East Moline             |     |      |      |       | 22073 |
|                        |      |       |      | 109  | 5          | Moline                  |     |      |      |       | 49867 |
|                        |      |       |      | 144  | 5          | Rock Island             |     |      |      |       | 65078 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 082  | 243   | 1    |      |            | St. Clair               | 163 | 2    | 7040 |       |       |
|                        |      |       |      | 009  | 5          | Belleville              |     |      |      |       | 04845 |
|                        |      |       |      | 024  | 6          | Cahokia village         |     |      |      |       | 10370 |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                           |    | Place |      |       |
|------------------------|------|-------|------|------------|-----|---------------------------|----|-------|------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names                | St |       | Cnty | P/S   |
| 14                     |      |       |      |            |     | Illinois                  | 17 |       |      |       |
|                        | 082  |       |      |            |     | St. Clair, con.           |    | 163   | 2    | 7040  |
|                        |      |       |      | 038        | 6   | Collinsville, part        |    |       |      | 15599 |
|                        |      |       |      | 054        | 5   | East St. Louis            |    |       |      | 22255 |
|                        |      |       |      | 063        | 6   | Fairview Heights          |    |       |      | 25141 |
|                        |      |       |      | 126        | 6   | O'Fallon                  |    |       |      | 55249 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 083  | 000   | 2    | 999        | 9   | Saline                    |    | 165   | 5    | 0000  |
|                        | 084  | 269   | 1    |            |     | Sangamon                  |    | 167   | 3    | 7880  |
|                        |      |       |      | 154        | 3   | Springfield               |    |       |      | 72000 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 085  | 000   | 2    | 999        | 9   | Schuyler                  |    | 169   | 6    | 0000  |
|                        | 086  | 000   | 2    | 999        | 9   | Scott                     |    | 171   | 6    | 0000  |
|                        | 087  | 000   | 2    | 999        | 9   | Shelby                    |    | 173   | 6    | 0000  |
|                        | 088  | 000   | 2    | 999        | 9   | Stark                     |    | 175   | 6    | 0000  |
|                        | 089  | 000   | 2    |            |     | Stephenson                |    | 177   | 5    | 0000  |
|                        |      |       |      | 066        | 5   | Freeport                  |    |       |      | 27884 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 090  | 213   | 1    |            |     | Tazewell                  |    | 179   | 3    | 6120  |
|                        |      |       |      | 053        | 6   | East Peoria               |    |       |      | 22164 |
|                        |      |       |      | 112        | 6   | Morton village            |    |       |      | 50621 |
|                        |      |       |      | 134        | 5   | Pekin, part               |    |       |      | 58447 |
|                        |      |       |      | 164        | 6   | Washington                |    |       |      | 79033 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 091  | 000   | 2    | 999        | 9   | Union                     |    | 181   | 6    | 0000  |
|                        | 092  | 000   | 2    |            |     | Vermilion                 |    | 183   | 4    | 0000  |
|                        |      |       |      | 043        | 5   | Danville                  |    |       |      | 18563 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 093  | 000   | 2    | 999        | 9   | Wabash                    |    | 185   | 6    | 0000  |
|                        | 094  | 000   | 2    | 999        | 9   | Warren                    |    | 187   | 6    | 0000  |
|                        | 095  | 000   | 2    | 999        | 9   | Washington                |    | 189   | 6    | 0000  |
|                        | 096  | 000   | 2    | 999        | 9   | Wayne                     |    | 191   | 6    | 0000  |
|                        | 097  | 000   | 2    | 999        | 9   | White                     |    | 193   | 6    | 0000  |
|                        | 098  | 000   | 2    |            |     | Whiteside                 |    | 195   | 4    | 0000  |
|                        |      |       |      | 155        | 6   | Sterling                  |    |       |      | 72546 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 099  | 055   | 1    |            |     | Will                      |    | 197   | 2    | 1600  |
|                        |      |       |      | 017        | 5   | Bolingbrook village, part |    |       |      | 07133 |
|                        |      |       |      | 040        | 6   | Crest Hill                |    |       |      | 17458 |
|                        |      |       |      | 084        | 4   | Joliet                    |    |       |      | 38570 |
|                        |      |       |      | 116        | 4   | Naperville, part          |    |       |      | 51622 |
|                        |      |       |      | 132        | 6   | Park Forest village, part |    |       |      | 57732 |
|                        |      |       |      | 146        | 6   | Romeoville village        |    |       |      | 65442 |
|                        |      |       |      | 159        | 5   | Tinley Park village, part |    |       |      | 75484 |
|                        |      |       |      | 175        | 5   | Woodridge village, part   |    |       |      | 83245 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 100  | 000   | 2    |            |     | Williamson                |    | 199   | 4    | 0000  |
|                        |      |       |      | 077        | 6   | Herrin                    |    |       |      | 34358 |
|                        |      |       |      | 102        | 6   | Marion                    |    |       |      | 46916 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 101  | 237   | 1    |            |     | Winnebago                 |    | 201   | 2    | 6880  |
|                        |      |       |      | 098        | 6   | Loves Park                |    |       |      | 45031 |
|                        |      |       |      | 100        | 6   | Machesney Park village    |    |       |      | 45726 |
|                        |      |       |      | 143        | 3   | Rockford                  |    |       |      | 65000 |
|                        |      |       |      | 999        | 9   | Balance of county         |    |       |      | 99999 |
|                        | 102  | 213   | 1    | 999        | 9   | Woodford                  |    | 203   | 5    | 6120  |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 15                     |      |       |      |      |            | Indiana           | 18 |      |     |       |       |
|                        | 001  | 102   | 1    | 999  | 9          | Adams             |    | 001  | 5   | 2760  |       |
|                        | 002  | 102   | 1    |      |            | Allen             |    | 003  | 2   | 2760  |       |
|                        |      |       |      | 015  | 3          | Fort Wayne        |    |      |     |       | 25000 |
|                        |      |       |      | 047  | 6          | New Haven         |    |      |     |       | 52992 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Bartholomew       |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 007  | 5          | Columbus          |    |      |     |       | 14734 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Benton            |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Blackford         |    | 009  | 6   | 0000  |       |
|                        | 006  | 130   | 1    |      |            | Boone             |    | 011  | 5   | 3480  |       |
|                        |      |       |      | 035  | 6          | Lebanon           |    |      |     |       | 42624 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999  | 9          | Brown             |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9          | Carroll           |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    |      |            | Cass              |    | 017  | 5   | 0000  |       |
|                        |      |       |      | 036  | 6          | Logansport        |    |      |     |       | 44658 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 010  | 169   | 1    |      |            | Clark             |    | 019  | 4   | 4520  |       |
|                        |      |       |      | 006  | 6          | Clarksville       |    |      |     |       | 12934 |
|                        |      |       |      | 029  | 6          | Jeffersonville    |    |      |     |       | 38358 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 011  | 280   | 1    | 999  | 9          | Clay              |    | 021  | 6   | 8320  |       |
|                        | 012  | 152   | 1    |      |            | Clinton           |    | 023  | 5   | 3920  |       |
|                        |      |       |      | 016  | 6          | Frankfort         |    |      |     |       | 25324 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 013  | 000   | 2    | 999  | 9          | Crawford          |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    |      |            | Daviess           |    | 027  | 5   | 0000  |       |
|                        |      |       |      | 063  | 6          | Washington        |    |      |     |       | 80504 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 015  | 057   | 1    | 999  | 9          | Dearborn          |    | 029  | 5   | 1640  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Decatur           |    | 031  | 6   | 0000  |       |
|                        | 017  | 102   | 1    | 999  | 9          | De Kalb           |    | 033  | 5   | 2760  |       |
|                        | 018  | 189   | 1    |      |            | Delaware          |    | 035  | 3   | 5280  |       |
|                        |      |       |      | 043  | 4          | Muncie            |    |      |     |       | 51876 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    |      |            | Dubois            |    | 037  | 5   | 0000  |       |
|                        |      |       |      | 028  | 6          | Jasper            |    |      |     |       | 37782 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 020  | 084   | 1    |      |            | Elkhart           |    | 039  | 3   | 2330  |       |
|                        |      |       |      | 013  | 5          | Elkhart           |    |      |     |       | 20728 |
|                        |      |       |      | 019  | 6          | Goshen            |    |      |     |       | 28386 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 021  | 000   | 2    |      |            | Fayette           |    | 041  | 5   | 0000  |       |
|                        |      |       |      | 008  | 6          | Connersville      |    |      |     |       | 14932 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 022  | 169   | 1    |      |            | Floyd             |    | 043  | 4   | 4520  |       |
|                        |      |       |      | 045  | 5          | New Albany        |    |      |     |       | 52326 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 023  | 000   | 2    | 999  | 9          | Fountain          |    | 045  | 6   | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9          | Franklin          |    | 047  | 6   | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9          | Fulton            |    | 049  | 6   | 0000  |       |
|                        | 026  | 000   | 2    | 999  | 9          | Gibson            |    | 051  | 5   | 0000  |       |
|                        | 027  | 000   | 2    |      |            | Grant             |    | 053  | 4   | 0000  |       |
|                        |      |       |      | 038  | 5          | Marion            |    |      |     |       | 46908 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 028  | 000   | 2    | 999  | 9          | Greene            |    | 055  | 5   | 0000  |       |
|                        | 029  | 130   | 1    |      |            | Hamilton          |    | 057  | 3   | 3480  |       |
|                        |      |       |      | 005  | 5          | Carmel            |    |      |     |       | 10342 |
|                        |      |       |      | 048  | 6          | Noblesville       |    |      |     |       | 54180 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 030  | 130   | 1    |      |            | Hancock           |    | 059  | 5   | 3480  |       |
|                        |      |       |      | 020  | 6          | Greenfield        |    |      |     |       | 29520 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 031  | 169   | 1    | 999  | 9          | Harrison          |    | 061  | 5   | 4520  |       |
|                        | 032  | 130   | 1    |      |            | Hendricks         |    | 063  | 4   | 3480  |       |
|                        |      |       |      | 050  | 6          | Plainfield        |    |      |     |       | 60246 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 033  | 000   | 2    |      |            | Henry             |    | 065  | 5   | 0000  |       |
|                        |      |       |      | 046  | 6          | New Castle        |    |      |     |       | 52740 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 034  | 149   | 1    |      |            | Howard            |    | 067  | 4   | 3850  |       |
|                        |      |       |      | 030  | 5          | Kokomo            |    |      |     |       | 40392 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 15                     |      |       |      |      |            | Indiana           | 18 |      |     |       |       |
|                        | 035  | 102   | 1    |      |            | Huntington        |    | 069  | 5   | 2760  |       |
|                        |      |       |      | 026  | 6          | Huntington        |    |      |     |       | 35302 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 036  | 000   | 2    |      |            | Jackson           |    | 071  | 5   | 0000  |       |
|                        |      |       |      | 054  | 6          | Seymour           |    |      |     |       | 68832 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 037  | 000   | 2    |      |            | Jasper            |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    |      |            | Jay               |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    |      |            | Jefferson         |    | 077  | 5   | 0000  |       |
|                        |      |       |      | 037  | 6          | Madison           |    |      |     |       | 45990 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 040  | 000   | 2    |      |            | Jennings          |    | 079  | 6   | 0000  |       |
|                        | 041  | 130   | 1    |      |            | Johnson           |    | 081  | 4   | 3480  |       |
|                        |      |       |      | 017  | 6          | Franklin          |    |      |     |       | 25450 |
|                        |      |       |      | 021  | 5          | Greenwood         |    |      |     |       | 29898 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 042  | 000   | 2    |      |            | Knox              |    | 083  | 5   | 0000  |       |
|                        |      |       |      | 060  | 6          | Vincennes         |    |      |     |       | 79208 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 043  | 000   | 2    |      |            | Kosciusko         |    | 085  | 4   | 0000  |       |
|                        |      |       |      | 062  | 6          | Warsaw            |    |      |     |       | 80306 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 044  | 000   | 2    |      |            | Lagrange          |    | 087  | 5   | 0000  |       |
|                        | 045  | 108   | 1    |      |            | Lake              |    | 089  | 2   | 2960  |       |
|                        |      |       |      | 010  | 6          | Crown Point       |    |      |     |       | 16138 |
|                        |      |       |      | 011  | 6          | Dyer              |    |      |     |       | 19270 |
|                        |      |       |      | 012  | 5          | East Chicago      |    |      |     |       | 19486 |
|                        |      |       |      | 018  | 3          | Gary              |    |      |     |       | 27000 |
|                        |      |       |      | 022  | 6          | Griffith          |    |      |     |       | 30042 |
|                        |      |       |      | 023  | 4          | Hammond           |    |      |     |       | 31000 |
|                        |      |       |      | 024  | 6          | Highland          |    |      |     |       | 33466 |
|                        |      |       |      | 025  | 6          | Hobart            |    |      |     |       | 34114 |
|                        |      |       |      | 032  | 6          | Lake Station      |    |      |     |       | 41535 |
|                        |      |       |      | 040  | 5          | Merrillville      |    |      |     |       | 48528 |
|                        |      |       |      | 044  | 6          | Munster           |    |      |     |       | 51912 |
|                        |      |       |      | 053  | 6          | Schererville      |    |      |     |       | 68220 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 046  | 000   | 2    |      |            | La Porte          |    | 091  | 3   | 0000  |       |
|                        |      |       |      | 033  | 6          | La Porte          |    |      |     |       | 42246 |
|                        |      |       |      | 041  | 5          | Michigan City     |    |      |     |       | 48798 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 047  | 000   | 2    |      |            | Lawrence          |    | 093  | 5   | 0000  |       |
|                        |      |       |      | 002  | 6          | Bedford           |    |      |     |       | 04114 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 048  | 130   | 1    |      |            | Madison           |    | 095  | 3   | 3480  |       |
|                        |      |       |      | 001  | 4          | Anderson          |    |      |     |       | 01468 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 049  | 130   | 1    |      |            | Marion            |    | 097  | 1   | 3480  |       |
|                        |      |       |      | 003  | 6          | Beech Grove       |    |      |     |       | 04204 |
|                        |      |       |      | 027  | 1          | Indianapolis      |    |      |     |       | 36000 |
|                        |      |       |      | 034  | 5          | Lawrence          |    |      |     |       | 42426 |
|                        |      |       |      | 057  | 6          | Speedway          |    |      |     |       | 71828 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 050  | 000   | 2    |      |            | Marshall          |    | 099  | 5   | 0000  |       |
|                        | 051  | 000   | 2    |      |            | Martin            |    | 101  | 6   | 0000  |       |
|                        | 052  | 000   | 2    |      |            | Miami             |    | 103  | 5   | 0000  |       |
|                        |      |       |      | 049  | 6          | Peru              |    |      |     |       | 59328 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 053  | 034   | 1    |      |            | Monroe            |    | 105  | 3   | 1020  |       |
|                        |      |       |      | 004  | 4          | Bloomington       |    |      |     |       | 05860 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 054  | 000   | 2    |      |            | Montgomery        |    | 107  | 5   | 0000  |       |
|                        |      |       |      | 009  | 6          | Crawfordsville    |    |      |     |       | 15742 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 055  | 130   | 1    |      |            | Morgan            |    | 109  | 4   | 3480  |       |
|                        |      |       |      | 039  | 6          | Martinsville      |    |      |     |       | 47448 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 056  | 000   | 2    |      |            | Newton            |    | 111  | 6   | 0000  |       |
|                        | 057  | 000   | 2    |      |            | Noble             |    | 113  | 5   | 0000  |       |
|                        | 058  | 057   | 1    |      |            | Ohio              |    | 115  | 6   | 1640  |       |
|                        | 059  | 000   | 2    |      |            | Orange            |    | 117  | 6   | 0000  |       |
|                        | 060  | 000   | 2    |      |            | Owen              |    | 119  | 6   | 0000  |       |
|                        | 061  | 000   | 2    |      |            | Parke             |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    |      |            | Perry             |    | 123  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 15                     |      |       |      |      |            | Indiana           | 18 |      |     |       |       |
|                        | 063  | 000   | 2    | 999  | 9          | Pike              |    | 125  | 6   | 0000  |       |
|                        | 064  | 108   | 1    |      |            | Porter            |    | 127  | 3   | 2960  |       |
|                        |      |       |      | 051  | 5          | Portage           |    |      |     |       | 61092 |
|                        |      |       |      | 059  | 6          | Valparaiso        |    |      |     |       | 78326 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 065  | 089   | 1    | 999  | 9          | Posey             |    | 129  | 5   | 2440  |       |
|                        | 066  | 000   | 2    | 999  | 9          | Pulaski           |    | 131  | 6   | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9          | Putnam            |    | 133  | 5   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9          | Randolph          |    | 135  | 5   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9          | Ripley            |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9          | Rush              |    | 139  | 6   | 0000  |       |
|                        | 071  | 267   | 1    |      |            | St. Joseph        |    | 141  | 3   | 7800  |       |
|                        |      |       |      | 042  | 5          | Mishawaka         |    |      |     |       | 49932 |
|                        |      |       |      | 056  | 3          | South Bend        |    |      |     |       | 71000 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 072  | 169   | 1    | 999  | 9          | Scott             |    | 143  | 6   | 4520  |       |
|                        | 073  | 130   | 1    |      |            | Shelby            |    | 145  | 5   | 3480  |       |
|                        |      |       |      | 055  | 6          | Shelbyville       |    |      |     |       | 69318 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 074  | 000   | 2    | 999  | 9          | Spencer           |    | 147  | 6   | 0000  |       |
|                        | 075  | 000   | 2    | 999  | 9          | Starke            |    | 149  | 6   | 0000  |       |
|                        | 076  | 000   | 2    | 999  | 9          | Steuben           |    | 151  | 5   | 0000  |       |
|                        | 077  | 000   | 2    | 999  | 9          | Sullivan          |    | 153  | 6   | 0000  |       |
|                        | 078  | 000   | 2    | 999  | 9          | Switzerland       |    | 155  | 6   | 0000  |       |
|                        | 079  | 152   | 1    |      |            | Tippecanoe        |    | 157  | 3   | 3920  |       |
|                        |      |       |      | 031  | 5          | Lafayette         |    |      |     |       | 40788 |
|                        |      |       |      | 064  | 5          | West Lafayette    |    |      |     |       | 82862 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 080  | 149   | 1    | 999  | 9          | Tipton            |    | 159  | 6   | 3850  |       |
|                        | 081  | 000   | 2    | 999  | 9          | Union             |    | 161  | 6   | 0000  |       |
|                        | 082  | 089   | 1    |      |            | Vanderburgh       |    | 163  | 3   | 2440  |       |
|                        |      |       |      | 014  | 3          | Evansville        |    |      |     |       | 22000 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 083  | 280   | 1    | 999  | 9          | Vermillion        |    | 165  | 6   | 8320  |       |
|                        | 084  | 280   | 1    |      |            | Vigo              |    | 167  | 3   | 8320  |       |
|                        |      |       |      | 058  | 4          | Terre Haute       |    |      |     |       | 75428 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 085  | 000   | 2    |      |            | Wabash            |    | 169  | 5   | 0000  |       |
|                        |      |       |      | 061  | 6          | Wabash            |    |      |     |       | 79370 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 086  | 000   | 2    | 999  | 9          | Warren            |    | 171  | 6   | 0000  |       |
|                        | 087  | 089   | 1    | 999  | 9          | Warrick           |    | 173  | 5   | 2440  |       |
|                        | 088  | 000   | 2    | 999  | 9          | Washington        |    | 175  | 6   | 0000  |       |
|                        | 089  | 000   | 2    |      |            | Wayne             |    | 177  | 4   | 0000  |       |
|                        |      |       |      | 052  | 5          | Richmond          |    |      |     |       | 64260 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 090  | 102   | 1    | 999  | 9          | Wells             |    | 179  | 5   | 2760  |       |
|                        | 091  | 000   | 2    | 999  | 9          | White             |    | 181  | 6   | 0000  |       |
|                        | 092  | 102   | 1    | 999  | 9          | Whitley           |    | 183  | 5   | 2760  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 16                     |      |       |      |      |            | Iowa                  | 19 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Adair                 |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Adams                 |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9          | Allamakee             |    | 005  | 6   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Appanoose             |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Audubon               |    | 009  | 6   | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Benton                |    | 011  | 6   | 0000  |       |
|                        | 007  | 297   | 1    |      |            | Black Hawk            |    | 013  | 3   | 8920  |       |
|                        |      |       |      | 006  | 5          | Cedar Falls           |    |      |     |       | 11755 |
|                        |      |       |      | 029  | 4          | Waterloo              |    |      |     |       | 82425 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 008  | 000   | 2    |      |            | Boone                 |    | 015  | 5   | 0000  |       |
|                        |      |       |      | 004  | 6          | Boone                 |    |      |     |       | 07480 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 009  | 000   | 2    | 999  | 9          | Bremer                |    | 017  | 6   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Buchanan              |    | 019  | 6   | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Buena Vista           |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Butler                |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Calhoun               |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Carroll               |    | 027  | 6   | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9          | Cass                  |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Cedar                 |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Cerro Gordo           |    | 033  | 5   | 0000  |       |
|                        |      |       |      | 021  | 5          | Mason City            |    |      |     |       | 50160 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | Cherokee              |    | 035  | 6   | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9          | Chickasaw             |    | 037  | 6   | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Clarke                |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Clay                  |    | 041  | 6   | 0000  |       |
|                        |      |       |      | 027  | 6          | Spencer               |    |      |     |       | 74280 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 022  | 000   | 2    | 999  | 9          | Clayton               |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    |      |            | Clinton               |    | 045  | 4   | 0000  |       |
|                        |      |       |      | 008  | 5          | Clinton               |    |      |     |       | 14430 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9          | Crawford              |    | 047  | 6   | 0000  |       |
|                        | 025  | 075   | 1    |      |            | Dallas                |    | 049  | 5   | 2120  |       |
|                        |      |       |      | 030  | 5          | West Des Moines, part |    |      |     |       | 83910 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 026  | 000   | 2    | 999  | 9          | Davis                 |    | 051  | 6   | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9          | Decatur               |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | Delaware              |    | 055  | 6   | 0000  |       |
|                        | 029  | 000   | 2    |      |            | Des Moines            |    | 057  | 5   | 0000  |       |
|                        |      |       |      | 005  | 5          | Burlington            |    |      |     |       | 09550 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 030  | 000   | 2    | 999  | 9          | Dickinson             |    | 059  | 6   | 0000  |       |
|                        | 031  | 079   | 1    |      |            | Dubuque               |    | 061  | 4   | 2200  |       |
|                        |      |       |      | 013  | 4          | Dubuque               |    |      |     |       | 22395 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 032  | 000   | 2    | 999  | 9          | Emmet                 |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9          | Fayette               |    | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Floyd                 |    | 067  | 6   | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Franklin              |    | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Fremont               |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9          | Greene                |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Grundy                |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Guthrie               |    | 077  | 6   | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Hamilton              |    | 079  | 6   | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9          | Hancock               |    | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9          | Hardin                |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Harrison              |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Henry                 |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Howard                |    | 089  | 6   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Humboldt              |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9          | Ida                   |    | 093  | 6   | 0000  |       |
|                        | 048  | 000   | 2    | 999  | 9          | Iowa                  |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9          | Jackson               |    | 097  | 6   | 0000  |       |
|                        | 050  | 000   | 2    |      |            | Jasper                |    | 099  | 5   | 0000  |       |
|                        |      |       |      | 023  | 6          | Newton                |    |      |     |       | 56505 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 051  | 000   | 2    | 999  | 9          | Jefferson             |    | 101  | 6   | 0000  |       |
|                        | 052  | 131   | 1    |      |            | Johnson               |    | 103  | 4   | 3500  |       |
|                        |      |       |      | 009  | 6          | Coralville            |    |      |     |       | 16230 |
|                        |      |       |      | 017  | 4          | Iowa City             |    |      |     |       | 38595 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 16                     |      |       |      |      |            | Iowa                  | 19 |      |     |       |       |
|                        | 053  | 000   | 2    | 999  | 9          | Jones                 |    | 105  | 6   | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Keokuk                |    | 107  | 6   | 0000  |       |
|                        | 055  | 000   | 2    | 999  | 9          | Kossuth               |    | 109  | 6   | 0000  |       |
|                        | 056  | 000   | 2    |      |            | Lee                   |    | 111  | 5   | 0000  |       |
|                        |      |       |      | 015  | 6          | Fort Madison          |    |      |     |       | 28605 |
|                        |      |       |      | 018  | 6          | Keokuk                |    |      |     |       | 40845 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 057  | 047   | 1    |      |            | Linn                  |    | 113  | 3   | 1360  |       |
|                        |      |       |      | 007  | 3          | Cedar Rapids          |    |      |     |       | 12000 |
|                        |      |       |      | 019  | 6          | Marion                |    |      |     |       | 49485 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 058  | 000   | 2    | 999  | 9          | Louisa                |    | 115  | 6   | 0000  |       |
|                        | 059  | 000   | 2    | 999  | 9          | Lucas                 |    | 117  | 6   | 0000  |       |
|                        | 060  | 000   | 2    | 999  | 9          | Lyon                  |    | 119  | 6   | 0000  |       |
|                        | 061  | 000   | 2    | 999  | 9          | Madison               |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    |      |            | Mahaska               |    | 123  | 6   | 0000  |       |
|                        |      |       |      | 024  | 6          | Oskaloosa             |    |      |     |       | 59925 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 063  | 000   | 2    | 999  | 9          | Marion                |    | 125  | 5   | 0000  |       |
|                        | 064  | 000   | 2    |      |            | Marshall              |    | 127  | 5   | 0000  |       |
|                        |      |       |      | 020  | 5          | Marshalltown          |    |      |     |       | 49755 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 065  | 000   | 2    | 999  | 9          | Mills                 |    | 129  | 6   | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9          | Mitchell              |    | 131  | 6   | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9          | Monona                |    | 133  | 6   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9          | Monroe                |    | 135  | 6   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9          | Montgomery            |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    |      |            | Muscatine             |    | 139  | 5   | 0000  |       |
|                        |      |       |      | 022  | 6          | Muscatine             |    |      |     |       | 55110 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 071  | 000   | 2    | 999  | 9          | O'Brien               |    | 141  | 6   | 0000  |       |
|                        | 072  | 000   | 2    | 999  | 9          | Osceola               |    | 143  | 6   | 0000  |       |
|                        | 073  | 000   | 2    | 999  | 9          | Page                  |    | 145  | 6   | 0000  |       |
|                        | 074  | 000   | 2    | 999  | 9          | Palo Alto             |    | 147  | 6   | 0000  |       |
|                        | 075  | 000   | 2    | 999  | 9          | Plymouth              |    | 149  | 6   | 0000  |       |
|                        | 076  | 000   | 2    | 999  | 9          | Pocahontas            |    | 151  | 6   | 0000  |       |
|                        | 077  | 075   | 1    |      |            | Polk                  |    | 153  | 2   | 2120  |       |
|                        |      |       |      | 002  | 6          | Ankeny                |    |      |     |       | 02305 |
|                        |      |       |      | 012  | 3          | Des Moines            |    |      |     |       | 21000 |
|                        |      |       |      | 028  | 6          | Urbandale             |    |      |     |       | 79950 |
|                        |      |       |      | 030  | 5          | West Des Moines, part |    |      |     |       | 83910 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 078  | 206   | 1    |      |            | Pottawattamie         |    | 155  | 4   | 5920  |       |
|                        |      |       |      | 010  | 4          | Council Bluffs        |    |      |     |       | 16860 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 079  | 000   | 2    | 999  | 9          | Poweshiek             |    | 157  | 6   | 0000  |       |
|                        | 080  | 000   | 2    | 999  | 9          | Ringgold              |    | 159  | 6   | 0000  |       |
|                        | 081  | 000   | 2    | 999  | 9          | Sac                   |    | 161  | 6   | 0000  |       |
|                        | 082  | 069   | 1    |      |            | Scott                 |    | 163  | 3   | 1960  |       |
|                        |      |       |      | 003  | 5          | Bettendorf            |    |      |     |       | 06355 |
|                        |      |       |      | 011  | 4          | Davenport             |    |      |     |       | 19000 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 083  | 000   | 2    | 999  | 9          | Shelby                |    | 165  | 6   | 0000  |       |
|                        | 084  | 000   | 2    | 999  | 9          | Sioux                 |    | 167  | 5   | 0000  |       |
|                        | 085  | 000   | 2    |      |            | Story                 |    | 169  | 4   | 0000  |       |
|                        |      |       |      | 001  | 5          | Ames                  |    |      |     |       | 01855 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 086  | 000   | 2    | 999  | 9          | Tama                  |    | 171  | 6   | 0000  |       |
|                        | 087  | 000   | 2    | 999  | 9          | Taylor                |    | 173  | 6   | 0000  |       |
|                        | 088  | 000   | 2    | 999  | 9          | Union                 |    | 175  | 6   | 0000  |       |
|                        | 089  | 000   | 2    | 999  | 9          | Van Buren             |    | 177  | 6   | 0000  |       |
|                        | 090  | 000   | 2    |      |            | Wapello               |    | 179  | 5   | 0000  |       |
|                        |      |       |      | 025  | 6          | Ottumwa               |    |      |     |       | 60465 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 091  | 075   | 1    |      |            | Warren                |    | 181  | 5   | 2120  |       |
|                        |      |       |      | 016  | 6          | Indianola             |    |      |     |       | 38280 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 092  | 000   | 2    | 999  | 9          | Washington            |    | 183  | 6   | 0000  |       |
|                        | 093  | 000   | 2    | 999  | 9          | Wayne                 |    | 185  | 6   | 0000  |       |
|                        | 094  | 000   | 2    |      |            | Webster               |    | 187  | 5   | 0000  |       |
|                        |      |       |      | 014  | 5          | Fort Dodge            |    |      |     |       | 28515 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 095  | 000   | 2    | 999  | 9          | Winnebago             |    | 189  | 6   | 0000  |       |
|                        | 096  | 000   | 2    | 999  | 9          | Winneshiek            |    | 191  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 16                     |      |       |      |      |     | Iowa              | 19 |      |     |       |       |
|                        | 097  | 265   | 1    |      |     | Woodbury          |    | 193  | 4   | 7720  |       |
|                        |      |       |      | 026  | 4   | Sioux City        |    |      |     |       | 73335 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 098  | 000   | 2    | 999  | 9   | Worth             |    | 195  | 6   | 0000  |       |
|                        | 099  | 000   | 2    | 999  | 9   | Wright            |    | 197  | 6   | 0000  |       |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 17                     |      |       |      |      |            | Kansas            | 20 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Allen             |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Anderson          |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    |      |            | Atchison          |    | 005  | 6   | 0000  |       |
|                        |      |       |      | 002  | 6          | Atchison          |    |      |     |       | 02900 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Barber            |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Barton            |    | 009  | 5   | 0000  |       |
|                        |      |       |      | 009  | 6          | Great Bend        |    |      |     |       | 28300 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 006  | 000   | 2    | 999  | 9          | Bourbon           |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9          | Brown             |    | 013  | 6   | 0000  |       |
|                        | 008  | 301   | 1    |      |            | Butler            |    | 015  | 4   | 9040  |       |
|                        |      |       |      | 006  | 6          | El Dorado         |    |      |     |       | 20075 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 009  | 000   | 2    | 999  | 9          | Chase             |    | 017  | 6   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Chautauqua        |    | 019  | 6   | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Cherokee          |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Cheyenne          |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Clark             |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Clay              |    | 027  | 6   | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9          | Cloud             |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Coffey            |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9          | Comanche          |    | 033  | 6   | 0000  |       |
|                        | 018  | 000   | 2    |      |            | Cowley            |    | 035  | 5   | 0000  |       |
|                        |      |       |      | 001  | 6          | Arkansas City     |    |      |     |       | 02300 |
|                        |      |       |      | 034  | 6          | Winfield          |    |      |     |       | 79950 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    |      |            | Crawford          |    | 037  | 5   | 0000  |       |
|                        |      |       |      | 028  | 6          | Pittsburg         |    |      |     |       | 56025 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 020  | 000   | 2    | 999  | 9          | Decatur           |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9          | Dickinson         |    | 041  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Doniphan          |    | 043  | 6   | 0000  |       |
|                        | 023  | 160   | 1    |      |            | Douglas           |    | 045  | 4   | 4150  |       |
|                        |      |       |      | 015  | 4          | Lawrence          |    |      |     |       | 38900 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9          | Edwards           |    | 047  | 6   | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9          | Elk               |    | 049  | 6   | 0000  |       |
|                        | 026  | 000   | 2    |      |            | Ellis             |    | 051  | 5   | 0000  |       |
|                        |      |       |      | 010  | 6          | Hays              |    |      |     |       | 31100 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9          | Ellsworth         |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    |      |            | Finney            |    | 055  | 5   | 0000  |       |
|                        |      |       |      | 008  | 6          | Garden City       |    |      |     |       | 25325 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 029  | 000   | 2    |      |            | Ford              |    | 057  | 5   | 0000  |       |
|                        |      |       |      | 005  | 6          | Dodge City        |    |      |     |       | 18250 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 030  | 000   | 2    |      |            | Franklin          |    | 059  | 6   | 0000  |       |
|                        |      |       |      | 025  | 6          | Ottawa            |    |      |     |       | 53550 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 031  | 000   | 2    |      |            | Geary             |    | 061  | 5   | 0000  |       |
|                        |      |       |      | 013  | 6          | Junction City     |    |      |     |       | 35750 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 032  | 000   | 2    | 999  | 9          | Gove              |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9          | Graham            |    | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Grant             |    | 067  | 6   | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Gray              |    | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Greeley           |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9          | Greenwood         |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Hamilton          |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Harper            |    | 077  | 6   | 0000  |       |
|                        | 040  | 301   | 1    |      |            | Harvey            |    | 079  | 5   | 9040  |       |
|                        |      |       |      | 023  | 6          | Newton            |    |      |     |       | 50475 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 041  | 000   | 2    | 999  | 9          | Haskell           |    | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9          | Hodgeman          |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Jackson           |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Jefferson         |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Jewell            |    | 089  | 6   | 0000  |       |
|                        | 046  | 145   | 1    |      |            | Johnson           |    | 091  | 2   | 3760  |       |
|                        |      |       |      | 017  | 6          | Leawood           |    |      |     |       | 39075 |
|                        |      |       |      | 018  | 5          | Lenexa            |    |      |     |       | 39350 |
|                        |      |       |      | 022  | 6          | Merriam           |    |      |     |       | 46000 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S | P/MSA | Place |
| 17                     |      |       |      |      |            | Kansas            | 20  |      |     |       |       |
|                        | 046  |       |      |      |            | Johnson, con.     | 091 | 2    |     | 3760  |       |
|                        |      |       |      | 024  | 4          | Olathe            |     |      |     |       | 52575 |
|                        |      |       |      | 026  | 3          | Overland Park     |     |      |     |       | 53775 |
|                        |      |       |      | 029  | 6          | Prairie Village   |     |      |     |       | 57575 |
|                        |      |       |      | 031  | 5          | Shawnee           |     |      |     |       | 64500 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 047  | 000   | 2    | 999  | 9          | Kearny            | 093 | 6    |     | 0000  |       |
|                        | 048  | 000   | 2    | 999  | 9          | Kingman           | 095 | 6    |     | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9          | Kiowa             | 097 | 6    |     | 0000  |       |
|                        | 050  | 000   | 2    |      |            | Labette           | 099 | 6    |     | 0000  |       |
|                        |      |       |      | 027  | 6          | Parsons           |     |      |     |       | 54675 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 051  | 000   | 2    | 999  | 9          | Lane              | 101 | 6    |     | 0000  |       |
|                        | 052  | 145   | 1    |      |            | Leavenworth       | 103 | 4    |     | 3760  |       |
|                        |      |       |      | 016  | 5          | Leavenworth       |     |      |     |       | 39000 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 053  | 000   | 2    | 999  | 9          | Lincoln           | 105 | 6    |     | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Linn              | 107 | 6    |     | 0000  |       |
|                        | 055  | 000   | 2    | 999  | 9          | Logan             | 109 | 6    |     | 0000  |       |
|                        | 056  | 000   | 2    |      |            | Lyon              | 111 | 5    |     | 0000  |       |
|                        |      |       |      | 007  | 5          | Emporia           |     |      |     |       | 21275 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 057  | 000   | 2    |      |            | McPherson         | 113 | 5    |     | 0000  |       |
|                        |      |       |      | 020  | 6          | McPherson         |     |      |     |       | 43950 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 058  | 000   | 2    | 999  | 9          | Marion            | 115 | 6    |     | 0000  |       |
|                        | 059  | 000   | 2    | 999  | 9          | Marshall          | 117 | 6    |     | 0000  |       |
|                        | 060  | 000   | 2    | 999  | 9          | Meade             | 119 | 6    |     | 0000  |       |
|                        | 061  | 145   | 1    | 999  | 9          | Miami             | 121 | 6    |     | 3760  |       |
|                        | 062  | 000   | 2    | 999  | 9          | Mitchell          | 123 | 6    |     | 0000  |       |
|                        | 063  | 000   | 2    |      |            | Montgomery        | 125 | 5    |     | 0000  |       |
|                        |      |       |      | 003  | 6          | Coffeyville       |     |      |     |       | 14600 |
|                        |      |       |      | 012  | 6          | Independence      |     |      |     |       | 33875 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 064  | 000   | 2    | 999  | 9          | Morris            | 127 | 6    |     | 0000  |       |
|                        | 065  | 000   | 2    | 999  | 9          | Morton            | 129 | 6    |     | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9          | Nemaha            | 131 | 6    |     | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9          | Neosho            | 133 | 6    |     | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9          | Ness              | 135 | 6    |     | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9          | Norton            | 137 | 6    |     | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9          | Osage             | 139 | 6    |     | 0000  |       |
|                        | 071  | 000   | 2    | 999  | 9          | Osborne           | 141 | 6    |     | 0000  |       |
|                        | 072  | 000   | 2    | 999  | 9          | Ottawa            | 143 | 6    |     | 0000  |       |
|                        | 073  | 000   | 2    | 999  | 9          | Pawnee            | 145 | 6    |     | 0000  |       |
|                        | 074  | 000   | 2    | 999  | 9          | Phillips          | 147 | 6    |     | 0000  |       |
|                        | 075  | 000   | 2    |      |            | Pottawatomie      | 149 | 6    |     | 0000  |       |
|                        |      |       |      | 021  | 5          | Manhattan, part   |     |      |     |       | 44250 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 076  | 000   | 2    | 999  | 9          | Pratt             | 151 | 6    |     | 0000  |       |
|                        | 077  | 000   | 2    | 999  | 9          | Rawlins           | 153 | 6    |     | 0000  |       |
|                        | 078  | 000   | 2    |      |            | Reno              | 155 | 4    |     | 0000  |       |
|                        |      |       |      | 011  | 5          | Hutchinson        |     |      |     |       | 33625 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 079  | 000   | 2    | 999  | 9          | Republic          | 157 | 6    |     | 0000  |       |
|                        | 080  | 000   | 2    | 999  | 9          | Rice              | 159 | 6    |     | 0000  |       |
|                        | 081  | 000   | 2    |      |            | Riley             | 161 | 4    |     | 0000  |       |
|                        |      |       |      | 021  | 5          | Manhattan, part   |     |      |     |       | 44250 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 082  | 000   | 2    | 999  | 9          | Rooks             | 163 | 6    |     | 0000  |       |
|                        | 083  | 000   | 2    | 999  | 9          | Rush              | 165 | 6    |     | 0000  |       |
|                        | 084  | 000   | 2    | 999  | 9          | Russell           | 167 | 6    |     | 0000  |       |
|                        | 085  | 000   | 2    |      |            | Saline            | 169 | 5    |     | 0000  |       |
|                        |      |       |      | 030  | 5          | Salina            |     |      |     |       | 62700 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 086  | 000   | 2    | 999  | 9          | Scott             | 171 | 6    |     | 0000  |       |
|                        | 087  | 301   | 1    |      |            | Sedgwick          | 173 | 2    |     | 9040  |       |
|                        |      |       |      | 004  | 6          | Derby             |     |      |     |       | 17800 |
|                        |      |       |      | 033  | 2          | Wichita           |     |      |     |       | 79000 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 088  | 000   | 2    |      |            | Seward            | 175 | 6    |     | 0000  |       |
|                        |      |       |      | 019  | 6          | Liberal           |     |      |     |       | 39825 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 089  | 283   | 1    |      |            | Shawnee           | 177 | 3    |     | 8440  |       |
|                        |      |       |      | 032  | 3          | Topeka            |     |      |     |       | 71000 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 17                     |      |       |      |      |     | Kansas            | 20 |      |     |       |       |
|                        | 089  |       |      |      |     | Shawnee, con.     |    | 177  | 3   | 8440  |       |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 090  | 000   | 2    | 999  | 9   | Sheridan          |    | 179  | 6   | 0000  |       |
|                        | 091  | 000   | 2    | 999  | 9   | Sherman           |    | 181  | 6   | 0000  |       |
|                        | 092  | 000   | 2    | 999  | 9   | Smith             |    | 183  | 6   | 0000  |       |
|                        | 093  | 000   | 2    | 999  | 9   | Stafford          |    | 185  | 6   | 0000  |       |
|                        | 094  | 000   | 2    | 999  | 9   | Stanton           |    | 187  | 6   | 0000  |       |
|                        | 095  | 000   | 2    | 999  | 9   | Stevens           |    | 189  | 6   | 0000  |       |
|                        | 096  | 000   | 2    | 999  | 9   | Sumner            |    | 191  | 5   | 0000  |       |
|                        | 097  | 000   | 2    | 999  | 9   | Thomas            |    | 193  | 6   | 0000  |       |
|                        | 098  | 000   | 2    | 999  | 9   | Trego             |    | 195  | 6   | 0000  |       |
|                        | 099  | 000   | 2    | 999  | 9   | Wabaunsee         |    | 197  | 6   | 0000  |       |
|                        | 100  | 000   | 2    | 999  | 9   | Wallace           |    | 199  | 6   | 0000  |       |
|                        | 101  | 000   | 2    | 999  | 9   | Washington        |    | 201  | 6   | 0000  |       |
|                        | 102  | 000   | 2    | 999  | 9   | Wichita           |    | 203  | 6   | 0000  |       |
|                        | 103  | 000   | 2    | 999  | 9   | Wilson            |    | 205  | 6   | 0000  |       |
|                        | 104  | 000   | 2    | 999  | 9   | Woodson           |    | 207  | 6   | 0000  |       |
|                        | 105  | 145   | 1    |      |     | Wyandotte         |    | 209  | 3   | 3760  |       |
|                        |      |       |      | 014  | 3   | Kansas City       |    |      |     |       | 36000 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |  |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|--|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                             | St | Cnty | P/S | P/MSA | Place |
| 18                     |      |       |      |      |            | Kentucky                               | 21 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Adair                                  |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Allen                                  |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9          | Anderson                               |    | 005  | 6   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Ballard                                |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Barren                                 |    | 009  | 5   | 0000  |       |
|                        |      |       |      | 011  | 6          | Glasgow                                |    |      |     |       | 31114 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 006  | 000   | 2    | 999  | 9          | Bath                                   |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    |      |            | Bell                                   |    | 013  | 5   | 0000  |       |
|                        |      |       |      | 019  | 6          | Middlesborough                         |    |      |     |       | 51924 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 008  | 057   | 1    |      |            | Boone                                  |    | 015  | 4   | 1640  |       |
|                        |      |       |      | 007  | 6          | Florence                               |    |      |     |       | 27982 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 009  | 163   | 1    | 999  | 9          | Bourbon                                |    | 017  | 6   | 4280  |       |
|                        | 010  | 128   | 1    |      |            | Boyd                                   |    | 019  | 4   | 3400  |       |
|                        |      |       |      | 001  | 6          | Ashland                                |    |      |     |       | 02368 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 011  | 000   | 2    |      |            | Boyle                                  |    | 021  | 5   | 0000  |       |
|                        |      |       |      | 004  | 6          | Danville                               |    |      |     |       | 19882 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Bracken                                |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Breathitt                              |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Breckinridge                           |    | 027  | 6   | 0000  |       |
|                        | 015  | 169   | 1    | 999  | 9          | Bullitt                                |    | 029  | 5   | 4520  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Butler                                 |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9          | Caldwell                               |    | 033  | 6   | 0000  |       |
|                        | 018  | 000   | 2    |      |            | Calloway                               |    | 035  | 5   | 0000  |       |
|                        |      |       |      | 020  | 6          | Murray                                 |    |      |     |       | 54642 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 019  | 057   | 1    |      |            | Campbell                               |    | 037  | 4   | 1640  |       |
|                        |      |       |      | 008  | 6          | Fort Thomas                            |    |      |     |       | 28594 |
|                        |      |       |      | 021  | 6          | Newport                                |    |      |     |       | 55884 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 020  | 000   | 2    | 999  | 9          | Carlisle                               |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9          | Carroll                                |    | 041  | 6   | 0000  |       |
|                        | 022  | 128   | 1    | 999  | 9          | Carter                                 |    | 043  | 6   | 3400  |       |
|                        | 023  | 000   | 2    | 999  | 9          | Casey                                  |    | 045  | 6   | 0000  |       |
|                        | 024  | 058   | 1    |      |            | Christian                              |    | 047  | 4   | 1660  |       |
|                        |      |       |      | 013  | 5          | Hopkinsville                           |    |      |     |       | 37918 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 025  | 163   | 1    |      |            | Clark                                  |    | 049  | 5   | 4280  |       |
|                        |      |       |      | 030  | 6          | Winchester                             |    |      |     |       | 83676 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 026  | 000   | 2    | 999  | 9          | Clay                                   |    | 051  | 6   | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9          | Clinton                                |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | Crittenden                             |    | 055  | 6   | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Cumberland                             |    | 057  | 6   | 0000  |       |
|                        | 030  | 209   | 1    |      |            | Daviess                                |    | 059  | 4   | 5990  |       |
|                        |      |       |      | 023  | 4          | Owensboro                              |    |      |     |       | 58620 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 031  | 000   | 2    | 999  | 9          | Edmonson                               |    | 061  | 6   | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9          | Elliott                                |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9          | Estill                                 |    | 065  | 6   | 0000  |       |
|                        | 034  | 163   | 1    | 016  | 3          | Fayette, coext. with Lexington-Fayette |    | 067  | 3   | 4280  | 46000 |
|                        | 035  | 000   | 2    | 999  | 9          | Fleming                                |    | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Floyd                                  |    | 071  | 5   | 0000  |       |
|                        | 037  | 000   | 2    |      |            | Franklin                               |    | 073  | 5   | 0000  |       |
|                        |      |       |      | 009  | 5          | Frankfort                              |    |      |     |       | 28900 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 038  | 000   | 2    | 999  | 9          | Fulton                                 |    | 075  | 6   | 0000  |       |
|                        | 039  | 057   | 1    | 999  | 9          | Gallatin                               |    | 077  | 6   | 1640  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Garrard                                |    | 079  | 6   | 0000  |       |
|                        | 041  | 057   | 1    | 999  | 9          | Grant                                  |    | 081  | 6   | 1640  |       |
|                        | 042  | 000   | 2    | 999  | 9          | Graves                                 |    | 083  | 5   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Grayson                                |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Green                                  |    | 087  | 6   | 0000  |       |
|                        | 045  | 128   | 1    | 999  | 9          | Greenup                                |    | 089  | 5   | 3400  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Hancock                                |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    |      |            | Hardin                                 |    | 093  | 4   | 0000  |       |
|                        |      |       |      | 005  | 6          | Elizabethtown                          |    |      |     |       | 24274 |
|                        |      |       |      | 025  | 6          | Radcliff                               |    |      |     |       | 63912 |
|                        |      |       |      | 999  | 9          | Balance of county                      |    |      |     |       | 99999 |
|                        | 048  | 000   | 2    | 999  | 9          | Harlan                                 |    | 095  | 5   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 18                     |      |       |      |      |            | Kentucky          | 21 |      |     |       |       |
|                        | 049  | 000   | 2    | 999  | 9          | Harrison          |    | 097  | 6   | 0000  |       |
|                        | 050  | 000   | 2    | 999  | 9          | Hart              |    | 099  | 6   | 0000  |       |
|                        | 051  | 089   | 1    |      |            | Henderson         |    | 101  | 5   | 2440  |       |
|                        |      |       |      | 012  | 5          | Henderson         |    |      |     |       | 35866 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 052  | 000   | 2    | 999  | 9          | Henry             |    | 103  | 6   | 0000  |       |
|                        | 053  | 000   | 2    | 999  | 9          | Hickman           |    | 105  | 6   | 0000  |       |
|                        | 054  | 000   | 2    |      |            | Hopkins           |    | 107  | 5   | 0000  |       |
|                        |      |       |      | 018  | 6          | Madisonville      |    |      |     |       | 49368 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 055  | 000   | 2    | 999  | 9          | Jackson           |    | 109  | 6   | 0000  |       |
|                        | 056  | 169   | 1    |      |            | Jefferson         |    | 111  | 1   | 4520  |       |
|                        |      |       |      | 015  | 6          | Jeffersontown     |    |      |     |       | 40222 |
|                        |      |       |      | 017  | 2          | Louisville        |    |      |     |       | 48000 |
|                        |      |       |      | 027  | 6          | St. Matthews      |    |      |     |       | 67944 |
|                        |      |       |      | 028  | 6          | Shively           |    |      |     |       | 70284 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 057  | 163   | 1    |      |            | Jessamine         |    | 113  | 5   | 4280  |       |
|                        |      |       |      | 022  | 6          | Nicholasville     |    |      |     |       | 56136 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 058  | 000   | 2    | 999  | 9          | Johnson           |    | 115  | 6   | 0000  |       |
|                        | 059  | 057   | 1    |      |            | Kenton            |    | 117  | 3   | 1640  |       |
|                        |      |       |      | 003  | 5          | Covington         |    |      |     |       | 17848 |
|                        |      |       |      | 006  | 6          | Erlanger          |    |      |     |       | 25300 |
|                        |      |       |      | 014  | 6          | Independence      |    |      |     |       | 39142 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 060  | 000   | 2    | 999  | 9          | Knott             |    | 119  | 6   | 0000  |       |
|                        | 061  | 000   | 2    | 999  | 9          | Knox              |    | 121  | 5   | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9          | Larue             |    | 123  | 6   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9          | Laurel            |    | 125  | 5   | 0000  |       |
|                        | 064  | 000   | 2    | 999  | 9          | Lawrence          |    | 127  | 6   | 0000  |       |
|                        | 065  | 000   | 2    | 999  | 9          | Lee               |    | 129  | 6   | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9          | Leslie            |    | 131  | 6   | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9          | Letcher           |    | 133  | 5   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9          | Lewis             |    | 135  | 6   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9          | Lincoln           |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9          | Livingston        |    | 139  | 6   | 0000  |       |
|                        | 071  | 000   | 2    | 999  | 9          | Logan             |    | 141  | 6   | 0000  |       |
|                        | 072  | 000   | 2    | 999  | 9          | Lyon              |    | 143  | 6   | 0000  |       |
|                        | 073  | 000   | 2    |      |            | McCracken         |    | 145  | 4   | 0000  |       |
|                        |      |       |      | 024  | 5          | Paducah           |    |      |     |       | 58836 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 074  | 000   | 2    | 999  | 9          | McCreary          |    | 147  | 6   | 0000  |       |
|                        | 075  | 000   | 2    | 999  | 9          | McLean            |    | 149  | 6   | 0000  |       |
|                        | 076  | 163   | 1    |      |            | Madison           |    | 151  | 4   | 4280  |       |
|                        |      |       |      | 026  | 6          | Richmond          |    |      |     |       | 65226 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 077  | 000   | 2    | 999  | 9          | Magoffin          |    | 153  | 6   | 0000  |       |
|                        | 078  | 000   | 2    | 999  | 9          | Marion            |    | 155  | 6   | 0000  |       |
|                        | 079  | 000   | 2    | 999  | 9          | Marshall          |    | 157  | 5   | 0000  |       |
|                        | 080  | 000   | 2    | 999  | 9          | Martin            |    | 159  | 6   | 0000  |       |
|                        | 081  | 000   | 2    | 999  | 9          | Mason             |    | 161  | 6   | 0000  |       |
|                        | 082  | 000   | 2    | 999  | 9          | Meade             |    | 163  | 6   | 0000  |       |
|                        | 083  | 000   | 2    | 999  | 9          | Menifee           |    | 165  | 6   | 0000  |       |
|                        | 084  | 000   | 2    | 999  | 9          | Mercer            |    | 167  | 6   | 0000  |       |
|                        | 085  | 000   | 2    | 999  | 9          | Metcalfe          |    | 169  | 6   | 0000  |       |
|                        | 086  | 000   | 2    | 999  | 9          | Monroe            |    | 171  | 6   | 0000  |       |
|                        | 087  | 000   | 2    | 999  | 9          | Montgomery        |    | 173  | 6   | 0000  |       |
|                        | 088  | 000   | 2    | 999  | 9          | Morgan            |    | 175  | 6   | 0000  |       |
|                        | 089  | 000   | 2    | 999  | 9          | Muhlenberg        |    | 177  | 5   | 0000  |       |
|                        | 090  | 000   | 2    | 999  | 9          | Nelson            |    | 179  | 5   | 0000  |       |
|                        | 091  | 000   | 2    | 999  | 9          | Nicholas          |    | 181  | 6   | 0000  |       |
|                        | 092  | 000   | 2    | 999  | 9          | Ohio              |    | 183  | 6   | 0000  |       |
|                        | 093  | 169   | 1    | 999  | 9          | Oldham            |    | 185  | 5   | 4520  |       |
|                        | 094  | 000   | 2    | 999  | 9          | Owen              |    | 187  | 6   | 0000  |       |
|                        | 095  | 000   | 2    | 999  | 9          | Owsley            |    | 189  | 6   | 0000  |       |
|                        | 096  | 057   | 1    | 999  | 9          | Pendleton         |    | 191  | 6   | 1640  |       |
|                        | 097  | 000   | 2    | 999  | 9          | Perry             |    | 193  | 5   | 0000  |       |
|                        | 098  | 000   | 2    | 999  | 9          | Pike              |    | 195  | 4   | 0000  |       |
|                        | 099  | 000   | 2    | 999  | 9          | Powell            |    | 197  | 6   | 0000  |       |
|                        | 100  | 000   | 2    |      |            | Pulaski           |    | 199  | 5   | 0000  |       |
|                        |      |       |      | 029  | 6          | Somerset          |    |      |     |       | 71688 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 101  | 000   | 2    | 999  | 9          | Robertson         |    | 201  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 18                     |      |       |      |      |            | Kentucky          | 21 |      |     |       |       |
|                        | 102  | 000   | 2    | 999  | 9          | Rockcastle        |    | 203  | 6   | 0000  |       |
|                        | 103  | 000   | 2    | 999  | 9          | Rowan             |    | 205  | 6   | 0000  |       |
|                        | 104  | 000   | 2    | 999  | 9          | Russell           |    | 207  | 6   | 0000  |       |
|                        | 105  | 163   | 1    |      |            | Scott             |    | 209  | 6   | 4280  |       |
|                        |      |       |      | 010  | 6          | Georgetown        |    |      |     |       | 30700 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 106  | 000   | 2    | 999  | 9          | Shelby            |    | 211  | 6   | 0000  |       |
|                        | 107  | 000   | 2    | 999  | 9          | Simpson           |    | 213  | 6   | 0000  |       |
|                        | 108  | 000   | 2    | 999  | 9          | Spencer           |    | 215  | 6   | 0000  |       |
|                        | 109  | 000   | 2    | 999  | 9          | Taylor            |    | 217  | 6   | 0000  |       |
|                        | 110  | 000   | 2    | 999  | 9          | Todd              |    | 219  | 6   | 0000  |       |
|                        | 111  | 000   | 2    | 999  | 9          | Trigg             |    | 221  | 6   | 0000  |       |
|                        | 112  | 000   | 2    | 999  | 9          | Trimble           |    | 223  | 6   | 0000  |       |
|                        | 113  | 000   | 2    | 999  | 9          | Union             |    | 225  | 6   | 0000  |       |
|                        | 114  | 000   | 2    |      |            | Warren            |    | 227  | 4   | 0000  |       |
|                        |      |       |      | 002  | 5          | Bowling Green     |    |      |     |       | 08902 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 115  | 000   | 2    | 999  | 9          | Washington        |    | 229  | 6   | 0000  |       |
|                        | 116  | 000   | 2    | 999  | 9          | Wayne             |    | 231  | 6   | 0000  |       |
|                        | 117  | 000   | 2    | 999  | 9          | Webster           |    | 233  | 6   | 0000  |       |
|                        | 118  | 000   | 2    | 999  | 9          | Whitley           |    | 235  | 5   | 0000  |       |
|                        | 119  | 000   | 2    | 999  | 9          | Wolfe             |    | 237  | 6   | 0000  |       |
|                        | 120  | 163   | 1    | 999  | 9          | Woodford          |    | 239  | 6   | 4280  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                                       |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                            | St  | Cnty | P/S | P/MSA | Place |
| 19                     |      |       |      |      |            | Louisiana                             | 22  |      |     |       |       |
|                        | 001  | 151   | 1    |      |            | Acadia                                | 001 | 4    |     | 3880  |       |
|                        |      |       |      | 008  | 6          | Crowley                               |     |      |     |       | 18650 |
|                        |      |       |      | 009  | 6          | Eunice, part                          |     |      |     |       | 24565 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9          | Allen                                 | 003 | 6    |     | 0000  |       |
|                        | 003  | 024   | 1    | 999  | 9          | Ascension                             | 005 | 4    |     | 0760  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Assumption                            | 007 | 6    |     | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Avoyelles                             | 009 | 5    |     | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Beauregard                            | 011 | 5    |     | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9          | Bienville                             | 013 | 6    |     | 0000  |       |
|                        | 008  | 264   | 1    |      |            | Bossier                               | 015 | 4    |     | 7680  |       |
|                        |      |       |      | 007  | 4          | Bossier City                          |     |      |     |       | 08920 |
|                        |      |       |      | 026  | 3          | Shreveport, part                      |     |      |     |       | 70000 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 009  | 264   | 1    |      |            | Caddo                                 | 017 | 3    |     | 7680  |       |
|                        |      |       |      | 026  | 3          | Shreveport, part                      |     |      |     |       | 70000 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 010  | 153   | 1    |      |            | Calcasieu                             | 019 | 3    |     | 3960  |       |
|                        |      |       |      | 016  | 4          | Lake Charles                          |     |      |     |       | 41155 |
|                        |      |       |      | 028  | 6          | Sulphur                               |     |      |     |       | 73640 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9          | Caldwell                              | 021 | 6    |     | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Cameron                               | 023 | 6    |     | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Catahoula                             | 025 | 6    |     | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Claiborne                             | 027 | 6    |     | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9          | Concordia                             | 029 | 6    |     | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | De Soto                               | 031 | 5    |     | 0000  |       |
|                        | 017  | 024   | 1    |      |            | East Baton Rouge                      | 033 | 2    |     | 0760  |       |
|                        |      |       |      | 003  | 6          | Baker                                 |     |      |     |       | 03985 |
|                        |      |       |      | 005  | 3          | Baton Rouge                           |     |      |     |       | 05000 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | East Carroll                          | 035 | 6    |     | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9          | East Feliciana                        | 037 | 6    |     | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Evangeline                            | 039 | 5    |     | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9          | Franklin                              | 041 | 6    |     | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Grant                                 | 043 | 6    |     | 0000  |       |
|                        | 023  | 000   | 2    |      |            | Iberia                                | 045 | 4    |     | 0000  |       |
|                        |      |       |      | 021  | 5          | New Iberia                            |     |      |     |       | 54035 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9          | Iberville                             | 047 | 5    |     | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9          | Jackson                               | 049 | 6    |     | 0000  |       |
|                        | 026  | 196   | 1    |      |            | Jefferson                             | 051 | 2    |     | 5560  |       |
|                        |      |       |      | 010  | 6          | Gretna                                |     |      |     |       | 31915 |
|                        |      |       |      | 014  | 4          | Kenner                                |     |      |     |       | 39475 |
|                        |      |       |      | 031  | 6          | Westwego                              |     |      |     |       | 81165 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 027  | 000   | 2    |      |            | Jefferson Davis                       | 053 | 5    |     | 0000  |       |
|                        |      |       |      | 013  | 6          | Jennings                              |     |      |     |       | 38355 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 028  | 151   | 1    |      |            | Lafayette                             | 055 | 3    |     | 3880  |       |
|                        |      |       |      | 015  | 4          | Lafayette                             |     |      |     |       | 40735 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 029  | 126   | 1    |      |            | Lafourche                             | 057 | 4    |     | 3350  |       |
|                        |      |       |      | 029  | 6          | Thibodaux                             |     |      |     |       | 75425 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 030  | 000   | 2    | 999  | 9          | La Salle                              | 059 | 6    |     | 0000  |       |
|                        | 031  | 000   | 2    |      |            | Lincoln                               | 061 | 5    |     | 0000  |       |
|                        |      |       |      | 025  | 6          | Ruston                                |     |      |     |       | 66655 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 032  | 024   | 1    | 999  | 9          | Livingston                            | 063 | 4    |     | 0760  |       |
|                        | 033  | 000   | 2    | 999  | 9          | Madison                               | 065 | 6    |     | 0000  |       |
|                        | 034  | 000   | 2    |      |            | Morehouse                             | 067 | 5    |     | 0000  |       |
|                        |      |       |      | 004  | 6          | Bastrop                               |     |      |     |       | 04685 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 035  | 000   | 2    |      |            | Natchitoches                          | 069 | 5    |     | 0000  |       |
|                        |      |       |      | 020  | 6          | Natchitoches                          |     |      |     |       | 53545 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 036  | 196   | 1    | 022  | 2          | Orleans, coext. with New Orleans city | 071 | 2    |     | 5560  | 55000 |
|                        | 037  | 187   | 1    |      |            | Ouachita                              | 073 | 3    |     | 5200  |       |
|                        |      |       |      | 018  | 4          | Monroe                                |     |      |     |       | 51410 |
|                        |      |       |      | 030  | 6          | West Monroe                           |     |      |     |       | 80955 |
|                        |      |       |      | 999  | 9          | Balance of parish                     |     |      |     |       | 99999 |
|                        | 038  | 196   | 1    | 999  | 9          | Plaquemines                           | 075 | 5    |     | 5560  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Pointe Coupee                         | 077 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 19                     |      |       |      |      |            | Louisiana            | 22 |      |     |       |       |
|                        | 040  | 006   | 1    |      |            | Rapides              |    | 079  | 3   | 0220  |       |
|                        |      |       |      | 002  | 5          | Alexandria           |    |      |     |       | 00975 |
|                        |      |       |      | 024  | 6          | Pineville            |    |      |     |       | 60530 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 041  | 000   | 2    | 999  | 9          | Red River            |    | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9          | Richland             |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Sabine               |    | 085  | 6   | 0000  |       |
|                        | 044  | 196   | 1    | 999  | 9          | St. Bernard          |    | 087  | 4   | 5560  |       |
|                        | 045  | 196   | 1    | 999  | 9          | St. Charles          |    | 089  | 5   | 5560  |       |
|                        | 046  | 000   | 2    | 999  | 9          | St. Helena           |    | 091  | 6   | 0000  |       |
|                        | 047  | 196   | 1    | 999  | 9          | St. James            |    | 093  | 6   | 5560  |       |
|                        | 048  | 196   | 1    | 999  | 9          | St. John the Baptist |    | 095  | 5   | 5560  |       |
|                        | 049  | 151   | 1    |      |            | St. Landry           |    | 097  | 4   | 3880  |       |
|                        |      |       |      | 009  | 6          | Eunice, part         |    |      |     |       | 24565 |
|                        |      |       |      | 023  | 6          | Opelousas            |    |      |     |       | 58045 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 050  | 151   | 1    | 999  | 9          | St. Martin           |    | 099  | 5   | 3880  |       |
|                        | 051  | 000   | 2    |      |            | St. Mary             |    | 101  | 4   | 0000  |       |
|                        |      |       |      | 019  | 6          | Morgan City          |    |      |     |       | 52040 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 052  | 196   | 1    |      |            | St. Tammany          |    | 103  | 3   | 5560  |       |
|                        |      |       |      | 027  | 6          | Slidell              |    |      |     |       | 70805 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 053  | 000   | 2    |      |            | Tangipahoa           |    | 105  | 4   | 0000  |       |
|                        |      |       |      | 011  | 6          | Hammond              |    |      |     |       | 32755 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 054  | 000   | 2    | 999  | 9          | Tensas               |    | 107  | 6   | 0000  |       |
|                        | 055  | 126   | 1    |      |            | Terrebonne           |    | 109  | 4   | 3350  |       |
|                        |      |       |      | 012  | 5          | Houma                |    |      |     |       | 36255 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 056  | 000   | 2    | 999  | 9          | Union                |    | 111  | 6   | 0000  |       |
|                        | 057  | 000   | 2    |      |            | Vermilion            |    | 113  | 4   | 0000  |       |
|                        |      |       |      | 001  | 6          | Abbeville            |    |      |     |       | 00100 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 058  | 000   | 2    | 999  | 9          | Vernon               |    | 115  | 4   | 0000  |       |
|                        | 059  | 000   | 2    |      |            | Washington           |    | 117  | 5   | 0000  |       |
|                        |      |       |      | 006  | 6          | Bogalusa             |    |      |     |       | 08150 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 060  | 264   | 1    |      |            | Webster              |    | 119  | 5   | 7680  |       |
|                        |      |       |      | 017  | 6          | Minden               |    |      |     |       | 50885 |
|                        |      |       |      | 999  | 9          | Balance of parish    |    |      |     |       | 99999 |
|                        | 061  | 024   | 1    | 999  | 9          | West Baton Rouge     |    | 121  | 6   | 0760  |       |
|                        | 062  | 000   | 2    | 999  | 9          | West Carroll         |    | 123  | 6   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9          | West Feliciana       |    | 125  | 6   | 0000  |       |
|                        | 064  | 000   | 2    | 999  | 9          | Winn                 |    | 127  | 6   | 0000  |       |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S  | P/MSA | Place |
| 20                     |      |       |      |      |            | Maine             | 23  |      |      |       |       |
|                        | 001  | 162   | 1    |      |            | Androscoggin      | 001 | 3    | 4243 |       |       |
|                        |      |       |      | 001  | 6          | Auburn            |     |      |      |       | 02060 |
|                        |      |       |      | 005  | 5          | Lewiston          |     |      |      |       | 38740 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 002  | 000   | 2    |      |            | Aroostook         | 003 | 4    | 0000 |       |       |
|                        |      |       |      | 007  | 6          | Presque Isle      |     |      |      |       | 60825 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 003  | 219   | 1    |      |            | Cumberland        | 005 | 3    | 6403 |       |       |
|                        |      |       |      | 006  | 4          | Portland          |     |      |      |       | 60545 |
|                        |      |       |      | 009  | 6          | South Portland    |     |      |      |       | 71990 |
|                        |      |       |      | 011  | 6          | Westbrook         |     |      |      |       | 82105 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Franklin          | 007 | 5    | 0000 |       |       |
|                        | 005  | 000   | 2    | 999  | 9          | Hancock           | 009 | 5    | 0000 |       |       |
|                        | 006  | 000   | 2    |      |            | Kennebec          | 011 | 3    | 0000 |       |       |
|                        |      |       |      | 002  | 6          | Augusta           |     |      |      |       | 02100 |
|                        |      |       |      | 010  | 6          | Waterville        |     |      |      |       | 80740 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 007  | 000   | 2    | 999  | 9          | Knox              | 013 | 5    | 0000 |       |       |
|                        | 008  | 000   | 2    | 999  | 9          | Lincoln           | 015 | 5    | 0000 |       |       |
|                        | 009  | 000   | 2    | 999  | 9          | Oxford            | 017 | 4    | 0000 |       |       |
|                        | 010  | 022   | 1    |      |            | Penobscot         | 019 | 3    | 0733 |       |       |
|                        |      |       |      | 003  | 5          | Bangor            |     |      |      |       | 02795 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9          | Piscataquis       | 021 | 6    | 0000 |       |       |
|                        | 012  | 000   | 2    | 999  | 9          | Sagadahoc         | 023 | 5    | 0000 |       |       |
|                        | 013  | 000   | 2    | 999  | 9          | Somerset          | 025 | 5    | 0000 |       |       |
|                        | 014  | 000   | 2    | 999  | 9          | Waldo             | 027 | 5    | 0000 |       |       |
|                        | 015  | 000   | 2    | 999  | 9          | Washington        | 029 | 5    | 0000 |       |       |
|                        | 016  | 000   | 2    |      |            | York              | 031 | 3    | 0000 |       |       |
|                        |      |       |      | 004  | 6          | Biddeford         |     |      |      |       | 04860 |
|                        |      |       |      | 008  | 6          | Saco              |     |      |      |       | 64675 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S | P/MSA | Place |
| 21                     |      |       |      |      |            | Maryland          | 24  |      |     |       |       |
|                        | 001  | 066   | 1    |      |            | Allegany          | 001 | 4    |     | 1900  |       |
|                        |      |       |      | 007  | 6          | Cumberland        |     |      |     |       | 21325 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 002  | 021   | 1    |      |            | Anne Arundel      | 003 | 2    |     | 0720  |       |
|                        |      |       |      | 002  | 5          | Annapolis         |     |      |     |       | 01600 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 003  | 021   | 1    |      |            | Baltimore         | 005 | 1    |     | 0720  |       |
|                        | 004  | 021   | 1    |      |            | Baltimore city    | 510 | 1    |     | 0720  | 04000 |
|                        | 005  | 296   | 1    |      |            | Calvert           | 009 | 4    |     | 8840  |       |
|                        | 006  | 000   | 2    |      |            | Caroline          | 011 | 5    |     | 0000  |       |
|                        | 007  | 021   | 1    |      |            | Carroll           | 013 | 3    |     | 0720  |       |
|                        |      |       |      | 018  | 6          | Westminster       |     |      |     |       | 83100 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 008  | 304   | 1    |      |            | Cecil             | 015 | 4    |     | 9160  |       |
|                        | 009  | 296   | 1    |      |            | Charles           | 017 | 3    |     | 8840  |       |
|                        | 010  | 000   | 2    |      |            | Dorchester        | 019 | 5    |     | 0000  |       |
|                        |      |       |      | 005  | 6          | Cambridge         |     |      |     |       | 12400 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 011  | 296   | 1    |      |            | Frederick         | 021 | 3    |     | 8840  |       |
|                        |      |       |      | 008  | 5          | Frederick         |     |      |     |       | 30325 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 012  | 000   | 2    |      |            | Garrett           | 023 | 5    |     | 0000  |       |
|                        | 013  | 021   | 1    |      |            | Harford           | 025 | 3    |     | 0720  |       |
|                        |      |       |      | 001  | 6          | Aberdeen          |     |      |     |       | 00125 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 014  | 021   | 1    |      |            | Howard            | 027 | 3    |     | 0720  |       |
|                        | 015  | 000   | 2    |      |            | Kent              | 029 | 6    |     | 0000  |       |
|                        | 016  | 296   | 1    |      |            | Montgomery        | 031 | 1    |     | 8840  |       |
|                        |      |       |      | 009  | 5          | Gaithersburg      |     |      |     |       | 31175 |
|                        |      |       |      | 015  | 5          | Rockville         |     |      |     |       | 67675 |
|                        |      |       |      | 017  | 6          | Takoma Park, part |     |      |     |       | 76650 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 017  | 296   | 1    |      |            | Prince George's   | 033 | 1    |     | 8840  |       |
|                        |      |       |      | 004  | 5          | Bowie             |     |      |     |       | 08775 |
|                        |      |       |      | 006  | 6          | College Park      |     |      |     |       | 18750 |
|                        |      |       |      | 010  | 6          | Greenbelt         |     |      |     |       | 34775 |
|                        |      |       |      | 012  | 6          | Hyattsville       |     |      |     |       | 41250 |
|                        |      |       |      | 013  | 6          | Laurel            |     |      |     |       | 45900 |
|                        |      |       |      | 014  | 6          | New Carrollton    |     |      |     |       | 55400 |
|                        |      |       |      | 017  | 6          | Takoma Park, part |     |      |     |       | 76650 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 018  | 021   | 1    |      |            | Queen Anne's      | 035 | 5    |     | 0720  |       |
|                        | 019  | 000   | 2    |      |            | St. Mary's        | 037 | 4    |     | 0000  |       |
|                        | 020  | 000   | 2    |      |            | Somerset          | 039 | 6    |     | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Talbot            | 041 | 5    |     | 0000  |       |
|                        | 022  | 119   | 1    |      |            | Washington        | 043 | 3    |     | 3180  |       |
|                        |      |       |      | 011  | 5          | Hagerstown        |     |      |     |       | 36075 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 023  | 000   | 2    |      |            | Wicomico          | 045 | 4    |     | 0000  |       |
|                        |      |       |      | 016  | 6          | Salisbury         |     |      |     |       | 69925 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 024  | 000   | 2    |      |            | Worcester         | 047 | 5    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                         |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names              | St  | Cnty | P/S | P/MSA | Place |
| 22                     |      |       |      |      |            | Massachusetts           | 25  |      |     |       |       |
|                        | 001  | 023   | 1    |      |            | Barnstable              | 001 | 3    |     | 0743  |       |
|                        |      |       |      | 008  | 5          | Barnstable town         |     |      |     |       | 03635 |
|                        |      |       |      | 031  | 5          | Falmouth town           |     |      |     |       | 23105 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |     |       | 99999 |
|                        | 002  | 218   | 1    |      |            | Berkshire               | 003 | 3    |     | 6323  |       |
|                        |      |       |      | 062  | 6          | North Adams             |     |      |     |       | 46225 |
|                        |      |       |      | 067  | 5          | Pittsfield              |     |      |     |       | 53960 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |     |       | 99999 |
|                        | 003  | 037   | 1    |      |            | Bristol                 | 005 | 1    |     | 1123  |       |
|                        |      |       |      | 007  | 5          | Attleboro               |     |      |     |       | 02690 |
|                        |      |       |      | 023  | 5          | Dartmouth town          |     |      |     |       | 16425 |
|                        |      |       |      | 029  | 6          | Fairhaven town          |     |      |     |       | 22130 |
|                        |      |       |      | 030  | 4          | Fall River              |     |      |     |       | 23000 |
|                        |      |       |      | 059  | 4          | New Bedford             |     |      |     |       | 45000 |
|                        |      |       |      | 064  | 5          | North Attleborough town |     |      |     |       | 46575 |
|                        |      |       |      | 077  | 6          | Somerset town           |     |      |     |       | 62430 |
|                        |      |       |      | 083  | 5          | Taunton                 |     |      |     |       | 69170 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Dukes                   | 007 | 6    |     | 0000  |       |
|                        | 005  | 037   | 1    |      |            | Essex                   | 009 | 1    |     | 1123  |       |
|                        |      |       |      | 003  | 6          | Amesbury town           |     |      |     |       | 01185 |
|                        |      |       |      | 005  | 5          | Andover town            |     |      |     |       | 01465 |
|                        |      |       |      | 010  | 5          | Beverly                 |     |      |     |       | 05595 |
|                        |      |       |      | 022  | 6          | Danvers town            |     |      |     |       | 16250 |
|                        |      |       |      | 035  | 5          | Gloucester              |     |      |     |       | 26150 |
|                        |      |       |      | 036  | 4          | Haverhill               |     |      |     |       | 29405 |
|                        |      |       |      | 041  | 4          | Lawrence                |     |      |     |       | 34550 |
|                        |      |       |      | 046  | 4          | Lynn                    |     |      |     |       | 37490 |
|                        |      |       |      | 047  | 6          | Lynnfield town          |     |      |     |       | 37560 |
|                        |      |       |      | 049  | 6          | Marblehead town         |     |      |     |       | 38400 |
|                        |      |       |      | 054  | 5          | Methuen town            |     |      |     |       | 40675 |
|                        |      |       |      | 060  | 6          | Newburyport             |     |      |     |       | 45245 |
|                        |      |       |      | 066  | 5          | Peabody                 |     |      |     |       | 52490 |
|                        |      |       |      | 074  | 5          | Salem                   |     |      |     |       | 59105 |
|                        |      |       |      | 075  | 5          | Saugus town             |     |      |     |       | 60015 |
|                        |      |       |      | 082  | 6          | Swampscott town         |     |      |     |       | 68645 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |     |       | 99999 |
|                        | 006  | 000   | 2    | 999  | 9          | Franklin                | 011 | 4    |     | 0000  |       |
|                        | 007  | 271   | 1    |      |            | Hampden                 | 013 | 2    |     | 8003  |       |
|                        |      |       |      | 002  | 5          | Agawam town             |     |      |     |       | 00800 |
|                        |      |       |      | 020  | 4          | Chicopee                |     |      |     |       | 13660 |
|                        |      |       |      | 027  | 6          | East Longmeadow town    |     |      |     |       | 19645 |
|                        |      |       |      | 038  | 5          | Holyoke                 |     |      |     |       | 30840 |
|                        |      |       |      | 044  | 6          | Longmeadow town         |     |      |     |       | 36300 |
|                        |      |       |      | 079  | 3          | Springfield             |     |      |     |       | 67000 |
|                        |      |       |      | 090  | 5          | Westfield               |     |      |     |       | 76030 |
|                        |      |       |      | 091  | 5          | West Springfield town   |     |      |     |       | 77850 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |     |       | 99999 |
|                        | 008  | 271   | 1    |      |            | Hampshire               | 015 | 3    |     | 8003  |       |
|                        |      |       |      | 004  | 5          | Amherst town            |     |      |     |       | 01325 |
|                        |      |       |      | 026  | 6          | Easthampton town        |     |      |     |       | 19330 |
|                        |      |       |      | 063  | 5          | Northampton             |     |      |     |       | 46330 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |     |       | 99999 |
|                        | 009  | 037   | 1    |      |            | Middlesex               | 017 | 0    |     | 1123  |       |
|                        |      |       |      | 006  | 5          | Arlington town          |     |      |     |       | 01605 |
|                        |      |       |      | 009  | 6          | Belmont town            |     |      |     |       | 05070 |
|                        |      |       |      | 011  | 5          | Billerica town          |     |      |     |       | 05805 |
|                        |      |       |      | 016  | 6          | Burlington town         |     |      |     |       | 09840 |
|                        |      |       |      | 017  | 4          | Cambridge               |     |      |     |       | 11000 |
|                        |      |       |      | 018  | 5          | Chelmsford town         |     |      |     |       | 13135 |
|                        |      |       |      | 025  | 5          | Dracut town             |     |      |     |       | 17475 |
|                        |      |       |      | 028  | 5          | Everett                 |     |      |     |       | 21990 |
|                        |      |       |      | 033  | 4          | Framingham town         |     |      |     |       | 24925 |
|                        |      |       |      | 039  | 6          | Hudson town             |     |      |     |       | 31540 |
|                        |      |       |      | 043  | 5          | Lexington town          |     |      |     |       | 35215 |
|                        |      |       |      | 045  | 3          | Lowell                  |     |      |     |       | 37000 |
|                        |      |       |      | 048  | 4          | Malden                  |     |      |     |       | 37875 |
|                        |      |       |      | 050  | 5          | Marlborough             |     |      |     |       | 38715 |
|                        |      |       |      | 051  | 6          | Maynard town            |     |      |     |       | 39625 |
|                        |      |       |      | 052  | 4          | Medford                 |     |      |     |       | 39835 |
|                        |      |       |      | 053  | 5          | Melrose                 |     |      |     |       | 40115 |
|                        |      |       |      | 057  | 5          | Natick town             |     |      |     |       | 43895 |
|                        |      |       |      | 061  | 4          | Newton                  |     |      |     |       | 45560 |
|                        |      |       |      | 071  | 6          | Reading town            |     |      |     |       | 56130 |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                   |                  |
|------------------------|------|-------|------|------------|-----|-------------------|------------------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names        | Place            |
| 22                     |      |       |      |            |     | Massachusetts     |                  |
|                        | 009  |       |      |            |     | Middlesex, con.   | 25               |
|                        |      |       |      | 078        | 4   | Somerville        | 017 0 1123 62535 |
|                        |      |       |      | 080        | 6   | Stoneham town     | 67665            |
|                        |      |       |      | 084        | 5   | Tewksbury town    | 69415            |
|                        |      |       |      | 085        | 6   | Wakefield town    | 72215            |
|                        |      |       |      | 086        | 4   | Waltham           | 72600            |
|                        |      |       |      | 087        | 5   | Watertown town    | 73405            |
|                        |      |       |      | 095        | 6   | Wilmington town   | 80230            |
|                        |      |       |      | 096        | 6   | Winchester town   | 80510            |
|                        |      |       |      | 098        | 5   | Woburn            | 81035            |
|                        |      |       |      | 999        | 9   | Balance of county | 99999            |
|                        | 010  | 000   | 2    | 999        | 9   | Nantucket         | 019 6 0000       |
|                        | 011  | 037   | 1    |            |     | Norfolk           | 021 1 1123       |
|                        |      |       |      | 013        | 5   | Braintree town    | 07665            |
|                        |      |       |      | 015        | 4   | Brookline town    | 09175            |
|                        |      |       |      | 024        | 6   | Dedham town       | 16495            |
|                        |      |       |      | 037        | 6   | Holbrook town     | 30455            |
|                        |      |       |      | 056        | 5   | Milton town       | 41690            |
|                        |      |       |      | 058        | 5   | Needham town      | 44105            |
|                        |      |       |      | 065        | 5   | Norwood town      | 50250            |
|                        |      |       |      | 069        | 4   | Quincy            | 55745            |
|                        |      |       |      | 070        | 5   | Randolph town     | 55955            |
|                        |      |       |      | 081        | 5   | Stoughton town    | 67945            |
|                        |      |       |      | 089        | 5   | Wellesley town    | 74175            |
|                        |      |       |      | 092        | 6   | Westwood town     | 78690            |
|                        |      |       |      | 093        | 4   | Weymouth town     | 78865            |
|                        |      |       |      | 999        | 9   | Balance of county | 99999            |
|                        | 012  | 037   | 1    |            |     | Plymouth          | 023 2 1123       |
|                        |      |       |      | 001        | 6   | Abington town     | 00170            |
|                        |      |       |      | 014        | 4   | Brockton          | 09000            |
|                        |      |       |      | 040        | 6   | Hull town         | 31645            |
|                        |      |       |      | 068        | 5   | Plymouth town     | 54310            |
|                        |      |       |      | 073        | 6   | Rockland town     | 57775            |
|                        |      |       |      | 094        | 6   | Whitman town      | 79530            |
|                        |      |       |      | 999        | 9   | Balance of county | 99999            |
|                        | 013  | 037   | 1    |            |     | Suffolk           | 025 1 1123       |
|                        |      |       |      | 012        | 1   | Boston            | 07000            |
|                        |      |       |      | 019        | 5   | Chelsea           | 13205            |
|                        |      |       |      | 072        | 5   | Revere            | 56585            |
|                        |      |       |      | 097        | 6   | Winthrop town     | 80930            |
|                        | 014  | 037   | 1    |            |     | Worcester         | 027 1 1123       |
|                        |      |       |      | 021        | 6   | Clinton town      | 14395            |
|                        |      |       |      | 032        | 5   | Fitchburg         | 23875            |
|                        |      |       |      | 034        | 6   | Gardner           | 25485            |
|                        |      |       |      | 042        | 5   | Leominster        | 35075            |
|                        |      |       |      | 055        | 5   | Milford town      | 41165            |
|                        |      |       |      | 076        | 6   | Shrewsbury town   | 61800            |
|                        |      |       |      | 088        | 6   | Webster town      | 73895            |
|                        |      |       |      | 099        | 3   | Worcester         | 82000            |
|                        |      |       |      | 999        | 9   | Balance of county | 99999            |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 23                     |      |       |      |      |            | Michigan              | 26 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Alcona                |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Alger                 |    | 003  | 6   | 0000  |       |
|                        | 003  | 112   | 1    |      |            | Allegan               |    | 005  | 4   | 3000  |       |
|                        |      |       |      | 051  | 5          | Holland, part         |    |      |     |       | 38640 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |      |            | Alpena                |    | 007  | 5   | 0000  |       |
|                        |      |       |      | 004  | 6          | Alpena                |    |      |     |       | 01740 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9          | Antrim                |    | 009  | 6   | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Arenac                |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9          | Baraga                |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9          | Barry                 |    | 015  | 4   | 0000  |       |
|                        | 009  | 240   | 1    |      |            | Bay                   |    | 017  | 3   | 6960  |       |
|                        |      |       |      | 007  | 6          | Bangor township       |    |      |     |       | 05120 |
|                        |      |       |      | 009  | 5          | Bay City              |    |      |     |       | 06020 |
|                        |      |       |      | 064  | 5          | Midland, part         |    |      |     |       | 53780 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    | 999  | 9          | Benzie                |    | 019  | 6   | 0000  |       |
|                        | 011  | 027   | 1    |      |            | Berrien               |    | 021  | 3   | 0870  |       |
|                        |      |       |      | 010  | 6          | Benton Harbor         |    |      |     |       | 07520 |
|                        |      |       |      | 071  | 6          | Niles, part           |    |      |     |       | 57760 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Branch                |    | 023  | 5   | 0000  |       |
|                        | 013  | 143   | 1    |      |            | Calhoun               |    | 025  | 3   | 3720  |       |
|                        |      |       |      | 002  | 6          | Albion                |    |      |     |       | 00980 |
|                        |      |       |      | 008  | 4          | Battle Creek          |    |      |     |       | 05920 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 014  | 000   | 2    |      |            | Cass                  |    | 027  | 5   | 0000  |       |
|                        |      |       |      | 071  | 6          | Niles, part           |    |      |     |       | 57760 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9          | Charlevoix            |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Cheboygan             |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Chippewa              |    | 033  | 5   | 0000  |       |
|                        |      |       |      | 091  | 6          | Sault Ste. Marie      |    |      |     |       | 71740 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | Clare                 |    | 035  | 6   | 0000  |       |
|                        | 019  | 156   | 1    | 999  | 9          | Clinton               |    | 037  | 4   | 4040  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Crawford              |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Delta                 |    | 041  | 5   | 0000  |       |
|                        |      |       |      | 030  | 6          | Escanaba              |    |      |     |       | 26360 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 022  | 000   | 2    | 999  | 9          | Dickinson             |    | 043  | 5   | 0000  |       |
|                        | 023  | 156   | 1    |      |            | Eaton                 |    | 045  | 4   | 4040  |       |
|                        |      |       |      | 024  | 5          | Delta township        |    |      |     |       | 21520 |
|                        |      |       |      | 057  | 3          | Lansing, part         |    |      |     |       | 46000 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9          | Emmet                 |    | 047  | 5   | 0000  |       |
|                        | 025  | 093   | 1    |      |            | Genesee               |    | 049  | 2   | 2640  |       |
|                        |      |       |      | 016  | 5          | Burton                |    |      |     |       | 12060 |
|                        |      |       |      | 034  | 3          | Flint                 |    |      |     |       | 29000 |
|                        |      |       |      | 035  | 5          | Flint township        |    |      |     |       | 29020 |
|                        |      |       |      | 039  | 5          | Grand Blanc township  |    |      |     |       | 33300 |
|                        |      |       |      | 067  | 5          | Mount Morris township |    |      |     |       | 55980 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 026  | 000   | 2    | 999  | 9          | Gladwin               |    | 051  | 6   | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9          | Gogebic               |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    |      |            | Grand Traverse        |    | 055  | 4   | 0000  |       |
|                        |      |       |      | 098  | 6          | Traverse City, part   |    |      |     |       | 80340 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 029  | 000   | 2    | 999  | 9          | Gratiot               |    | 057  | 5   | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Hillsdale             |    | 059  | 5   | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Houghton              |    | 061  | 5   | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9          | Huron                 |    | 063  | 5   | 0000  |       |
|                        | 033  | 156   | 1    |      |            | Ingham                |    | 065  | 2   | 4040  |       |
|                        |      |       |      | 028  | 4          | East Lansing          |    |      |     |       | 24120 |
|                        |      |       |      | 057  | 3          | Lansing, part         |    |      |     |       | 46000 |
|                        |      |       |      | 063  | 5          | Meridian township     |    |      |     |       | 53140 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 034  | 000   | 2    | 999  | 9          | Ionia                 |    | 067  | 4   | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Iosco                 |    | 069  | 5   | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Iron                  |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    |      |            | Isabella              |    | 073  | 4   | 0000  |       |
|                        |      |       |      | 068  | 6          | Mount Pleasant        |    |      |     |       | 56020 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 23                     |      |       |      |      |            | Michigan              | 26 |      |     |       |       |
|                        | 038  | 132   | 1    |      |            | Jackson               |    | 075  | 3   | 3520  |       |
|                        |      |       |      | 053  | 5          | Jackson               |    |      |     |       | 41420 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 039  | 143   | 1    |      |            | Kalamazoo             |    | 077  | 3   | 3720  |       |
|                        |      |       |      | 054  | 4          | Kalamazoo             |    |      |     |       | 42160 |
|                        |      |       |      | 055  | 6          | Kalamazoo township    |    |      |     |       | 42180 |
|                        |      |       |      | 079  | 5          | Portage               |    |      |     |       | 65560 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 040  | 000   | 2    |      |            | Kalkaska              |    | 079  | 6   | 0000  |       |
|                        | 041  | 112   | 1    |      |            | Kent                  |    | 081  | 1   | 3000  |       |
|                        |      |       |      | 027  | 6          | East Grand Rapids     |    |      |     |       | 23980 |
|                        |      |       |      | 041  | 3          | Grand Rapids          |    |      |     |       | 34000 |
|                        |      |       |      | 042  | 6          | Grandville            |    |      |     |       | 34160 |
|                        |      |       |      | 056  | 5          | Kentwood              |    |      |     |       | 42820 |
|                        |      |       |      | 101  | 6          | Walker                |    |      |     |       | 82960 |
|                        |      |       |      | 109  | 4          | Wyoming               |    |      |     |       | 88940 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 042  | 000   | 2    |      |            | Keweenaw              |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    |      |            | Lake                  |    | 085  | 6   | 0000  |       |
|                        | 044  | 076   | 1    |      |            | Lapeer                |    | 087  | 4   | 2160  |       |
|                        | 045  | 000   | 2    |      |            | Leelanau              |    | 089  | 6   | 0000  |       |
|                        |      |       |      | 098  | 6          | Traverse City, part   |    |      |     |       | 80340 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 046  | 011   | 1    |      |            | Lenawee               |    | 091  | 4   | 0440  |       |
|                        |      |       |      | 001  | 6          | Adrian                |    |      |     |       | 00440 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 047  | 011   | 1    |      |            | Livingston            |    | 093  | 3   | 0440  |       |
|                        | 048  | 000   | 2    |      |            | Luce                  |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    |      |            | Mackinac              |    | 097  | 6   | 0000  |       |
|                        | 050  | 076   | 1    |      |            | Macomb                |    | 099  | 1   | 2160  |       |
|                        |      |       |      | 019  | 5          | Chesterfield township |    |      |     |       | 15340 |
|                        |      |       |      | 021  | 4          | Clinton township      |    |      |     |       | 16520 |
|                        |      |       |      | 026  | 5          | East Detroit          |    |      |     |       | 23920 |
|                        |      |       |      | 036  | 6          | Fraser                |    |      |     |       | 30420 |
|                        |      |       |      | 048  | 6          | Harrison township     |    |      |     |       | 36820 |
|                        |      |       |      | 066  | 6          | Mount Clemens         |    |      |     |       | 55820 |
|                        |      |       |      | 086  | 4          | Roseville             |    |      |     |       | 69800 |
|                        |      |       |      | 090  | 4          | St. Clair Shores      |    |      |     |       | 70760 |
|                        |      |       |      | 092  | 5          | Shelby township       |    |      |     |       | 72820 |
|                        |      |       |      | 095  | 3          | Sterling Heights      |    |      |     |       | 76460 |
|                        |      |       |      | 102  | 3          | Warren                |    |      |     |       | 84000 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 051  | 000   | 2    |      |            | Manistee              |    | 101  | 6   | 0000  |       |
|                        | 052  | 000   | 2    |      |            | Marquette             |    | 103  | 4   | 0000  |       |
|                        |      |       |      | 061  | 6          | Marquette             |    |      |     |       | 51900 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 053  | 000   | 2    |      |            | Mason                 |    | 105  | 5   | 0000  |       |
|                        | 054  | 000   | 2    |      |            | Mecosta               |    | 107  | 5   | 0000  |       |
|                        |      |       |      | 013  | 6          | Big Rapids            |    |      |     |       | 08300 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 055  | 000   | 2    |      |            | Menominee             |    | 109  | 6   | 0000  |       |
|                        | 056  | 240   | 1    |      |            | Midland               |    | 111  | 4   | 6960  |       |
|                        |      |       |      | 064  | 5          | Midland, part         |    |      |     |       | 53780 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 057  | 000   | 2    |      |            | Missaukee             |    | 113  | 6   | 0000  |       |
|                        | 058  | 076   | 1    |      |            | Monroe                |    | 115  | 3   | 2160  |       |
|                        |      |       |      | 065  | 6          | Monroe                |    |      |     |       | 55020 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 059  | 000   | 2    |      |            | Montcalm              |    | 117  | 4   | 0000  |       |
|                        | 060  | 000   | 2    |      |            | Montmorency           |    | 119  | 6   | 0000  |       |
|                        | 061  | 112   | 1    |      |            | Muskegon              |    | 121  | 3   | 3000  |       |
|                        |      |       |      | 069  | 5          | Muskegon              |    |      |     |       | 56320 |
|                        |      |       |      | 070  | 6          | Muskegon Heights      |    |      |     |       | 56360 |
|                        |      |       |      | 073  | 6          | Norton Shores         |    |      |     |       | 59140 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 062  | 000   | 2    |      |            | Newaygo               |    | 123  | 5   | 0000  |       |
|                        | 063  | 076   | 1    |      |            | Oakland               |    | 125  | 0   | 2160  |       |
|                        |      |       |      | 006  | 6          | Auburn Hills          |    |      |     |       | 04105 |
|                        |      |       |      | 011  | 6          | Berkley               |    |      |     |       | 07660 |
|                        |      |       |      | 012  | 6          | Beverly Hills village |    |      |     |       | 08160 |
|                        |      |       |      | 014  | 6          | Birmingham            |    |      |     |       | 08640 |
|                        |      |       |      | 015  | 5          | Bloomfield township   |    |      |     |       | 09100 |
|                        |      |       |      | 020  | 6          | Clawson               |    |      |     |       | 16160 |
|                        |      |       |      | 031  | 6          | Farmington            |    |      |     |       | 27380 |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                          |    | Place |      |       |
|------------------------|------|-------|------|------------|-----|--------------------------|----|-------|------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names               | St |       | Cnty | P/S   |
| 23                     |      |       |      |            |     | Michigan                 | 26 |       |      |       |
|                        | 063  |       |      |            |     | Oakland, con.            |    | 125   | 0    | 2160  |
|                        |      |       |      | 032        | 4   | Farmington Hills         |    |       |      | 27440 |
|                        |      |       |      | 033        | 5   | Ferndale                 |    |       |      | 27880 |
|                        |      |       |      | 049        | 6   | Hazel Park               |    |       |      | 37420 |
|                        |      |       |      | 060        | 5   | Madison Heights          |    |       |      | 50560 |
|                        |      |       |      | 074        | 5   | Novi                     |    |       |      | 59440 |
|                        |      |       |      | 075        | 5   | Oak Park                 |    |       |      | 59920 |
|                        |      |       |      | 078        | 4   | Pontiac                  |    |       |      | 65440 |
|                        |      |       |      | 084        | 4   | Rochester Hills          |    |       |      | 69035 |
|                        |      |       |      | 087        | 4   | Royal Oak                |    |       |      | 70040 |
|                        |      |       |      | 093        | 4   | Southfield               |    |       |      | 74900 |
|                        |      |       |      | 100        | 4   | Troy                     |    |       |      | 80700 |
|                        |      |       |      | 103        | 4   | Waterford township       |    |       |      | 84240 |
|                        |      |       |      | 105        | 4   | West Bloomfield township |    |       |      | 85490 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 064  | 000   | 2    | 999        | 9   | Oceana                   |    | 127   | 6    | 0000  |
|                        | 065  | 000   | 2    | 999        | 9   | Ogemaw                   |    | 129   | 6    | 0000  |
|                        | 066  | 000   | 2    | 999        | 9   | Ontonagon                |    | 131   | 6    | 0000  |
|                        | 067  | 000   | 2    | 999        | 9   | Osceola                  |    | 133   | 6    | 0000  |
|                        | 068  | 000   | 2    | 999        | 9   | Oscoda                   |    | 135   | 6    | 0000  |
|                        | 069  | 000   | 2    | 999        | 9   | Otsego                   |    | 137   | 6    | 0000  |
|                        | 070  | 112   | 1    |            |     | Ottawa                   |    | 139   | 3    | 3000  |
|                        |      |       |      | 038        | 5   | Georgetown township      |    |       |      | 31880 |
|                        |      |       |      | 040        | 6   | Grand Haven              |    |       |      | 33340 |
|                        |      |       |      | 051        | 5   | Holland, part            |    |       |      | 38640 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 071  | 000   | 2    | 999        | 9   | Presque Isle             |    | 141   | 6    | 0000  |
|                        | 072  | 000   | 2    | 999        | 9   | Roscommon                |    | 143   | 6    | 0000  |
|                        | 073  | 240   | 1    |            |     | Saginaw                  |    | 145   | 3    | 6960  |
|                        |      |       |      | 088        | 4   | Saginaw                  |    |       |      | 70520 |
|                        |      |       |      | 089        | 5   | Saginaw township         |    |       |      | 70540 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 074  | 076   | 1    |            |     | St. Clair                |    | 147   | 3    | 2160  |
|                        |      |       |      | 080        | 5   | Port Huron               |    |       |      | 65820 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 075  | 000   | 2    |            |     | St. Joseph               |    | 149   | 4    | 0000  |
|                        |      |       |      | 096        | 6   | Sturgis                  |    |       |      | 76960 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 076  | 000   | 2    | 999        | 9   | Sanilac                  |    | 151   | 5    | 0000  |
|                        | 077  | 000   | 2    | 999        | 9   | Schoolcraft              |    | 153   | 6    | 0000  |
|                        | 078  | 000   | 2    |            |     | Shiawassee               |    | 155   | 4    | 0000  |
|                        |      |       |      | 076        | 6   | Owosso                   |    |       |      | 61940 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 079  | 000   | 2    | 999        | 9   | Tuscola                  |    | 157   | 4    | 0000  |
|                        | 080  | 143   | 1    | 999        | 9   | Van Buren                |    | 159   | 4    | 3720  |
|                        | 081  | 011   | 1    |            |     | Washtenaw                |    | 161   | 2    | 0440  |
|                        |      |       |      | 005        | 3   | Ann Arbor                |    |       |      | 03000 |
|                        |      |       |      | 110        | 6   | Ypsilanti                |    |       |      | 89140 |
|                        |      |       |      | 111        | 5   | Ypsilanti township       |    |       |      | 89160 |
|                        |      |       |      | 999        | 9   | Balance of county        |    |       |      | 99999 |
|                        | 082  | 076   | 1    |            |     | Wayne                    |    | 163   | 0    | 2160  |
|                        |      |       |      | 003        | 5   | Allen Park               |    |       |      | 01380 |
|                        |      |       |      | 018        | 4   | Canton township          |    |       |      | 13120 |
|                        |      |       |      | 022        | 4   | Dearborn                 |    |       |      | 21000 |
|                        |      |       |      | 023        | 4   | Dearborn Heights         |    |       |      | 21020 |
|                        |      |       |      | 025        | 0   | Detroit                  |    |       |      | 22000 |
|                        |      |       |      | 029        | 6   | Ecorse                   |    |       |      | 24740 |
|                        |      |       |      | 037        | 5   | Garden City              |    |       |      | 31420 |
|                        |      |       |      | 043        | 6   | Grosse Pointe Farms      |    |       |      | 35520 |
|                        |      |       |      | 044        | 6   | Grosse Pointe Park       |    |       |      | 35540 |
|                        |      |       |      | 045        | 6   | Grosse Pointe Woods      |    |       |      | 35580 |
|                        |      |       |      | 046        | 6   | Hamtramck                |    |       |      | 36280 |
|                        |      |       |      | 047        | 6   | Harper Woods             |    |       |      | 36700 |
|                        |      |       |      | 050        | 6   | Highland Park            |    |       |      | 38180 |
|                        |      |       |      | 052        | 5   | Inkster                  |    |       |      | 40680 |
|                        |      |       |      | 058        | 5   | Lincoln Park             |    |       |      | 47800 |
|                        |      |       |      | 059        | 3   | Livonia                  |    |       |      | 49000 |
|                        |      |       |      | 062        | 6   | Melvindale               |    |       |      | 52940 |
|                        |      |       |      | 072        | 6   | Northville township      |    |       |      | 59000 |
|                        |      |       |      | 077        | 6   | Plymouth township        |    |       |      | 65088 |
|                        |      |       |      | 081        | 4   | Redford township         |    |       |      | 67660 |
|                        |      |       |      | 082        | 6   | River Rouge              |    |       |      | 68760 |
|                        |      |       |      | 083        | 6   | Riverview                |    |       |      | 68880 |
|                        |      |       |      | 085        | 6   | Romulus                  |    |       |      | 69420 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |     |      |      |       |       |
|------------------------|------|-------|------|------|-----|-------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St  | Cnty | P/S  | P/MSA | Place |
| 23                     |      |       |      |      |     | Michigan          | 26  |      |      |       |       |
|                        | 082  |       |      |      |     | Wayne, con.       | 163 | 0    | 2160 |       |       |
|                        |      |       |      | 094  | 5   | Southgate         |     |      |      |       | 74960 |
|                        |      |       |      | 097  | 4   | Taylor            |     |      |      |       | 79000 |
|                        |      |       |      | 099  | 6   | Trenton           |     |      |      |       | 80420 |
|                        |      |       |      | 104  | 6   | Wayne             |     |      |      |       | 84940 |
|                        |      |       |      | 106  | 4   | Westland          |     |      |      |       | 86000 |
|                        |      |       |      | 107  | 6   | Woodhaven         |     |      |      |       | 88380 |
|                        |      |       |      | 108  | 5   | Wyandotte         |     |      |      |       | 88900 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |      |       | 99999 |
|                        | 083  | 000   | 2    |      |     | Wexford           | 165 | 5    | 0000 |       |       |
|                        |      |       |      | 017  | 6   | Cadillac          |     |      |      |       | 12320 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |      |       | 99999 |



| Vital Statistics Codes |      |       |      |      |     | FIPS Codes          |     |      |     |       |        |
|------------------------|------|-------|------|------|-----|---------------------|-----|------|-----|-------|--------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names          | St  | Cnty | P/S | P/MSA | Place  |
| 24                     |      |       |      |      |     | Minnesota           | 27  |      |     |       |        |
|                        | 001  | 000   | 2    | 999  | 9   | Aitkin              | 001 | 6    |     | 0000  |        |
|                        | 002  | 183   | 1    |      |     | Anoka               | 003 | 3    |     | 5120  |        |
|                        |      |       |      | 002  | 6   | Andover             |     |      |     |       | 01486  |
|                        |      |       |      | 003  | 6   | Anoka               |     |      |     |       | 01720  |
|                        |      |       |      | 007  | 5   | Blaine, part        |     |      |     |       | 06382  |
|                        |      |       |      | 017  | 6   | Columbia Heights    |     |      |     |       | 12700  |
|                        |      |       |      | 018  | 4   | Coon Rapids         |     |      |     |       | 13114  |
|                        |      |       |      | 029  | 5   | Fridley             |     |      |     |       | 22814  |
|                        |      |       |      | 055  | 6   | Ramsey              |     |      |     |       | 53026  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 003  | 000   | 2    | 999  | 9   | Becker              | 005 | 5    |     | 0000  |        |
|                        | 004  | 000   | 2    |      |     | Beltrami            | 007 | 5    |     | 0000  |        |
|                        |      |       |      | 006  | 6   | Bemidji             |     |      |     |       | 05068  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 005  | 241   | 1    |      |     | Benton              | 009 | 5    |     | 6980  |        |
|                        |      |       |      | 061  | 5   | St. Cloud, part     |     |      |     |       | 56896  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 006  | 000   | 2    | 999  | 9   | Big Stone           | 011 | 6    |     | 0000  |        |
|                        | 007  | 000   | 2    |      |     | Blue Earth          | 013 | 4    |     | 0000  |        |
|                        |      |       |      | 037  | 5   | Mankato, part       |     |      |     |       | 39878  |
|                        |      |       |      | 049  | 6   | North Mankato, part |     |      |     |       | 47068  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 008  | 000   | 2    |      |     | Brown               | 015 | 5    |     | 0000  |        |
|                        |      |       |      | 047  | 6   | New Ulm             |     |      |     |       | 46042  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 009  | 000   | 2    |      |     | Carlton             | 017 | 5    |     | 0000  |        |
|                        |      |       |      | 016  | 6   | Cloquet             |     |      |     |       | 12160  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 010  | 183   | 1    |      |     | Carver              | 019 | 5    |     | 5120  |        |
|                        |      |       |      | 014  | 6   | Chanhassen, part    |     |      |     |       | 10918  |
|                        |      |       |      | 015  | 6   | Chaska              |     |      |     |       | 10972  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 011  | 000   | 2    | 999  | 9   | Cass                | 021 | 6    |     | 0000  |        |
|                        | 012  | 000   | 2    | 999  | 9   | Chippewa            | 023 | 6    |     | 0000  |        |
|                        | 013  | 183   | 1    | 999  | 9   | Chisago             | 025 | 5    |     | 5120  |        |
|                        | 014  | 090   | 1    |      |     | Clay                | 027 | 4    |     | 2520  |        |
|                        |      |       |      | 043  | 5   | Moorhead            |     |      |     |       | 43864  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 015  | 000   | 2    | 999  | 9   | Clearwater          | 029 | 6    |     | 0000  |        |
|                        | 016  | 000   | 2    | 999  | 9   | Cook                | 031 | 6    |     | 0000  |        |
|                        | 017  | 000   | 2    | 999  | 9   | Cottonwood          | 033 | 6    |     | 0000  |        |
|                        | 018  | 000   | 2    |      |     | Crow Wing           | 035 | 5    |     | 0000  |        |
|                        |      |       |      | 009  | 6   | Brainerd            |     |      |     |       | 07300  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 019  | 183   | 1    |      |     | Dakota              | 037 | 2    |     | 5120  |        |
|                        |      |       |      | 004  | 5   | Apple Valley        |     |      |     |       | 01900  |
|                        |      |       |      | 012  | 4   | Burnsville          |     |      |     |       | 08794  |
|                        |      |       |      | 022  | 5   | Eagan               |     |      |     |       | 17288  |
|                        |      |       |      | 031  | 6   | Hastings, part      |     |      |     |       | 27530  |
|                        |      |       |      | 035  | 6   | Inver Grove Heights |     |      |     |       | 31076  |
|                        |      |       |      | 036  | 6   | Lakeville           |     |      |     |       | 35180  |
|                        |      |       |      | 048  | 6   | Northfield, part    |     |      |     |       | 46924  |
|                        |      |       |      | 066  | 6   | South St. Paul      |     |      |     |       | 61510  |
|                        |      |       |      | 069  | 6   | West St. Paul       |     |      |     |       | 69718  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 020  | 000   | 2    | 999  | 9   | Dodge               | 039 | 6    |     | 0000  |        |
|                        | 021  | 000   | 2    | 999  | 9   | Douglas             | 041 | 5    |     | 0000  |        |
|                        | 022  | 000   | 2    | 999  | 9   | Faribault           | 043 | 6    |     | 0000  |        |
|                        | 023  | 000   | 2    | 999  | 9   | Fillmore            | 045 | 6    |     | 0000  |        |
|                        | 024  | 000   | 2    |      |     | Freeborn            | 047 | 5    |     | 0000  |        |
|                        |      |       |      | 001  | 6   | Albert Lea          |     |      |     |       | 00694  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 025  | 000   | 2    |      |     | Goodhue             | 049 | 5    |     | 0000  |        |
|                        |      |       |      | 056  | 6   | Red Wing            |     |      |     |       | 53620  |
|                        |      |       |      | 999  | 9   | Balance of county   |     |      |     |       | 999999 |
|                        | 026  | 000   | 2    | 999  | 9   | Grant               | 051 | 6    |     | 0000  |        |
|                        | 027  | 183   | 1    |      |     | Hennepin            | 053 | 0    |     | 5120  |        |
|                        |      |       |      | 008  | 4   | Bloomington         |     |      |     |       | 06616  |
|                        |      |       |      | 010  | 5   | Brooklyn Center     |     |      |     |       | 07948  |
|                        |      |       |      | 011  | 4   | Brooklyn Park       |     |      |     |       | 07966  |
|                        |      |       |      | 013  | 6   | Champlin            |     |      |     |       | 10846  |
|                        |      |       |      | 014  | 6   | Chanhassen, part    |     |      |     |       | 10918  |
|                        |      |       |      | 020  | 6   | Crystal             |     |      |     |       | 14158  |
|                        |      |       |      | 023  | 5   | Eden Prairie        |     |      |     |       | 18116  |

| Vital Statistics Codes |      |       |      |          | FIPS Codes        |                     |      |     |       |       |
|------------------------|------|-------|------|----------|-------------------|---------------------|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City P/S | Area Names        | St                  | Cnty | P/S | P/MSA | Place |
| 24                     |      |       |      |          | Minnesota         | 27                  |      |     |       |       |
|                        | 027  |       |      |          | Hennepin, con.    | 053                 | 0    |     | 5120  |       |
|                        |      |       |      | 024      | 5                 |                     |      |     |       | 18188 |
|                        |      |       |      | 030      | 6                 |                     |      |     |       | 24308 |
|                        |      |       |      | 033      | 6                 |                     |      |     |       | 30140 |
|                        |      |       |      | 038      | 5                 |                     |      |     |       | 40166 |
|                        |      |       |      | 041      | 2                 |                     |      |     |       | 43000 |
|                        |      |       |      | 042      | 5                 |                     |      |     |       | 43252 |
|                        |      |       |      | 046      | 6                 |                     |      |     |       | 45628 |
|                        |      |       |      | 053      | 4                 |                     |      |     |       | 51730 |
|                        |      |       |      | 057      | 5                 |                     |      |     |       | 54214 |
|                        |      |       |      | 058      | 6                 |                     |      |     |       | 54808 |
|                        |      |       |      | 062      | 5                 |                     |      |     |       | 57220 |
|                        |      |       |      | 999      | 9                 |                     |      |     |       | 99999 |
|                        |      |       |      |          | Balance of county |                     |      |     |       |       |
|                        | 028  | 150   | 1    | 999      | 9                 | Houston             | 055  | 6   | 3870  |       |
|                        | 029  | 000   | 2    | 999      | 9                 | Hubbard             | 057  | 6   | 0000  |       |
|                        | 030  | 183   | 1    | 999      | 9                 | Isanti              | 059  | 5   | 5120  |       |
|                        | 031  | 000   | 2    | 999      | 9                 | Itasca              | 061  | 5   | 0000  |       |
|                        | 032  | 000   | 2    | 999      | 9                 | Jackson             | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999      | 9                 | Kanabec             | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    |          |                   | Kandiyohi           | 067  | 5   | 0000  |       |
|                        |      |       |      | 071      | 6                 | Willmar             |      |     |       | 70420 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 035  | 000   | 2    | 999      | 9                 | Kittson             | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    | 999      | 9                 | Koochiching         | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999      | 9                 | Lac qui Parle       | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999      | 9                 | Lake                | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999      | 9                 | Lake of the Woods   | 077  | 6   | 0000  |       |
|                        | 040  | 000   | 2    | 999      | 9                 | Le Sueur            | 079  | 6   | 0000  |       |
|                        | 041  | 000   | 2    | 999      | 9                 | Lincoln             | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    |          |                   | Lyon                | 083  | 6   | 0000  |       |
|                        |      |       |      | 040      | 6                 | Marshall            |      |     |       | 40688 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 043  | 000   | 2    |          |                   | McLeod              | 085  | 5   | 0000  |       |
|                        |      |       |      | 034      | 6                 | Hutchinson          |      |     |       | 30644 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 044  | 000   | 2    | 999      | 9                 | Mahnomen            | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999      | 9                 | Marshall            | 089  | 6   | 0000  |       |
|                        | 046  | 000   | 2    |          |                   | Martin              | 091  | 6   | 0000  |       |
|                        |      |       |      | 026      | 6                 | Fairmont            |      |     |       | 20330 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 047  | 000   | 2    | 999      | 9                 | Meeker              | 093  | 6   | 0000  |       |
|                        | 048  | 000   | 2    | 999      | 9                 | Mille Lacs          | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    | 999      | 9                 | Morrison            | 097  | 5   | 0000  |       |
|                        | 050  | 000   | 2    |          |                   | Mower               | 099  | 5   | 0000  |       |
|                        |      |       |      | 005      | 6                 | Austin              |      |     |       | 02908 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 051  | 000   | 2    | 999      | 9                 | Murray              | 101  | 6   | 0000  |       |
|                        | 052  | 000   | 2    |          |                   | Nicollet            | 103  | 5   | 0000  |       |
|                        |      |       |      | 037      | 5                 | Mankato, part       |      |     |       | 39878 |
|                        |      |       |      | 049      | 6                 | North Mankato, part |      |     |       | 47068 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 053  | 000   | 2    | 999      | 9                 | Nobles              | 105  | 6   | 0000  |       |
|                        | 054  | 000   | 2    | 999      | 9                 | Norman              | 107  | 6   | 0000  |       |
|                        | 055  | 235   | 1    |          |                   | Olmsted             | 109  | 3   | 6820  |       |
|                        |      |       |      | 059      | 4                 | Rochester           |      |     |       | 54880 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 056  | 000   | 2    |          |                   | Otter Tail          | 111  | 4   | 0000  |       |
|                        |      |       |      | 028      | 6                 | Fergus Falls        |      |     |       | 20906 |
|                        |      |       |      | 999      | 9                 | Balance of county   |      |     |       | 99999 |
|                        | 057  | 000   | 2    | 999      | 9                 | Pennington          | 113  | 6   | 0000  |       |
|                        | 058  | 000   | 2    | 999      | 9                 | Pine                | 115  | 6   | 0000  |       |
|                        | 059  | 000   | 2    | 999      | 9                 | Pipestone           | 117  | 6   | 0000  |       |
|                        | 060  | 111   | 1    | 999      | 9                 | Polk                | 119  | 5   | 2985  |       |
|                        | 061  | 000   | 2    | 999      | 9                 | Pope                | 121  | 6   | 0000  |       |
|                        | 062  | 183   | 1    |          |                   | Ramsey              | 123  | 2   | 5120  |       |
|                        |      |       |      | 007      | 5                 | Blaine, part        |      |     |       | 06382 |
|                        |      |       |      | 039      | 5                 | Maplewood           |      |     |       | 40382 |
|                        |      |       |      | 044      | 6                 | Mounds View         |      |     |       | 44530 |
|                        |      |       |      | 045      | 6                 | New Brighton        |      |     |       | 45430 |
|                        |      |       |      | 050      | 6                 | North St. Paul      |      |     |       | 47284 |
|                        |      |       |      | 060      | 5                 | Roseville           |      |     |       | 55852 |
|                        |      |       |      | 063      | 2                 | St. Paul            |      |     |       | 58000 |
|                        |      |       |      | 065      | 6                 | Shoreview           |      |     |       | 59998 |
|                        |      |       |      | 068      | 6                 | Vadnais Heights     |      |     |       | 66460 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St  | Cnty | P/S  | P/MSA | Place |
| 24                     |      |       |      |      |            | Minnesota             | 27  |      |      |       |       |
|                        | 062  |       |      | 070  | 6          | Ramsey, con.          | 123 | 2    | 5120 |       |       |
|                        |      |       |      | 999  | 9          | White Bear Lake, part |     |      |      |       | 69970 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 063  | 000   | 2    | 999  | 9          | Red Lake              | 125 | 6    | 0000 |       |       |
|                        | 064  | 000   | 2    | 999  | 9          | Redwood               | 127 | 6    | 0000 |       |       |
|                        | 065  | 000   | 2    | 999  | 9          | Renville              | 129 | 6    | 0000 |       |       |
|                        | 066  | 000   | 2    |      |            | Rice                  | 131 | 5    | 0000 |       |       |
|                        |      |       |      | 027  | 6          | Faribault             |     |      |      |       | 20546 |
|                        |      |       |      | 048  | 6          | Northfield, part      |     |      |      |       | 46924 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 067  | 000   | 2    | 999  | 9          | Rock                  | 133 | 6    | 0000 |       |       |
|                        | 068  | 000   | 2    | 999  | 9          | Roseau                | 135 | 6    | 0000 |       |       |
|                        | 069  | 080   | 1    |      |            | St. Louis             | 137 | 3    | 2240 |       |       |
|                        |      |       |      | 021  | 4          | Duluth                |     |      |      |       | 17000 |
|                        |      |       |      | 032  | 6          | Hibbing               |     |      |      |       | 28790 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 070  | 183   | 1    |      |            | Scott                 | 139 | 4    | 5120 |       |       |
|                        |      |       |      | 054  | 6          | Prior Lake            |     |      |      |       | 52594 |
|                        |      |       |      | 064  | 6          | Shakopee              |     |      |      |       | 59350 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 071  | 183   | 1    |      |            | Sherburne             | 141 | 5    | 5120 |       |       |
|                        |      |       |      | 025  | 6          | Elk River             |     |      |      |       | 18674 |
|                        |      |       |      | 061  | 5          | St. Cloud, part       |     |      |      |       | 56896 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 072  | 000   | 2    | 999  | 9          | Sibley                | 143 | 6    | 0000 |       |       |
|                        | 073  | 241   | 1    |      |            | Stearns               | 145 | 3    | 6980 |       |       |
|                        |      |       |      | 061  | 5          | St. Cloud, part       |     |      |      |       | 56896 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 074  | 000   | 2    |      |            | Steele                | 147 | 5    | 0000 |       |       |
|                        |      |       |      | 052  | 6          | Owatonna              |     |      |      |       | 49300 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 075  | 000   | 2    | 999  | 9          | Stevens               | 149 | 6    | 0000 |       |       |
|                        | 076  | 000   | 2    | 999  | 9          | Swift                 | 151 | 6    | 0000 |       |       |
|                        | 077  | 000   | 2    | 999  | 9          | Todd                  | 153 | 6    | 0000 |       |       |
|                        | 078  | 000   | 2    | 999  | 9          | Traverse              | 155 | 6    | 0000 |       |       |
|                        | 079  | 000   | 2    | 999  | 9          | Wabasha               | 157 | 6    | 0000 |       |       |
|                        | 080  | 000   | 2    | 999  | 9          | Wadena                | 159 | 6    | 0000 |       |       |
|                        | 081  | 000   | 2    | 999  | 9          | Waseca                | 161 | 6    | 0000 |       |       |
|                        | 082  | 183   | 1    |      |            | Washington            | 163 | 3    | 5120 |       |       |
|                        |      |       |      | 019  | 6          | Cottage Grove         |     |      |      |       | 13456 |
|                        |      |       |      | 031  | 6          | Hastings, part        |     |      |      |       | 27530 |
|                        |      |       |      | 051  | 6          | Oakdale               |     |      |      |       | 47680 |
|                        |      |       |      | 067  | 6          | Stillwater            |     |      |      |       | 62824 |
|                        |      |       |      | 070  | 6          | White Bear Lake, part |     |      |      |       | 69970 |
|                        |      |       |      | 073  | 6          | Woodbury              |     |      |      |       | 71428 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 083  | 000   | 2    | 999  | 9          | Watonwan              | 165 | 6    | 0000 |       |       |
|                        | 084  | 000   | 2    | 999  | 9          | Wilkin                | 167 | 6    | 0000 |       |       |
|                        | 085  | 000   | 2    |      |            | Winona                | 169 | 5    | 0000 |       |       |
|                        |      |       |      | 072  | 5          | Winona                |     |      |      |       | 71032 |
|                        |      |       |      | 999  | 9          | Balance of county     |     |      |      |       | 99999 |
|                        | 086  | 183   | 1    | 999  | 9          | Wright                | 171 | 4    | 5120 |       |       |
|                        | 087  | 000   | 2    | 999  | 9          | Yellow Medicine       | 173 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S | P/MSA | Place |
| 25                     |      |       |      |      |            | Mississippi       | 28  |      |     |       |       |
|                        | 001  | 000   | 2    |      |            | Adams             | 001 | 5    |     | 0000  |       |
|                        |      |       |      | 023  | 6          | Natchez           |     |      |     |       | 50440 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 002  | 000   | 2    |      |            | Alcorn            | 003 | 5    |     | 0000  |       |
|                        |      |       |      | 009  | 6          | Corinth           |     |      |     |       | 15700 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Amite             | 005 | 6    |     | 0000  |       |
|                        | 004  | 000   | 2    |      |            | Attala            | 007 | 6    |     | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Benton            | 009 | 6    |     | 0000  |       |
|                        | 006  | 000   | 2    |      |            | Bolivar           | 011 | 5    |     | 0000  |       |
|                        |      |       |      | 006  | 6          | Cleveland         |     |      |     |       | 14260 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 007  | 000   | 2    |      |            | Calhoun           | 013 | 6    |     | 0000  |       |
|                        | 008  | 000   | 2    |      |            | Carroll           | 015 | 6    |     | 0000  |       |
|                        | 009  | 000   | 2    |      |            | Chickasaw         | 017 | 6    |     | 0000  |       |
|                        | 010  | 000   | 2    |      |            | Choctaw           | 019 | 6    |     | 0000  |       |
|                        | 011  | 000   | 2    |      |            | Claiborne         | 021 | 6    |     | 0000  |       |
|                        | 012  | 000   | 2    |      |            | Clarke            | 023 | 6    |     | 0000  |       |
|                        | 013  | 000   | 2    |      |            | Clay              | 025 | 6    |     | 0000  |       |
|                        | 014  | 000   | 2    |      |            | Coahoma           | 027 | 5    |     | 0000  |       |
|                        |      |       |      | 005  | 6          | Clarksdale        |     |      |     |       | 13820 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 015  | 000   | 2    |      |            | Copiah            | 029 | 5    |     | 0000  |       |
|                        | 016  | 000   | 2    |      |            | Covington         | 031 | 6    |     | 0000  |       |
|                        | 017  | 178   | 1    |      |            | De Soto           | 033 | 4    |     | 4920  |       |
|                        |      |       |      | 030  | 6          | Southaven         |     |      |     |       | 69280 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 018  | 123   | 1    |      |            | Forrest           | 035 | 4    |     | 3285  |       |
|                        |      |       |      | 015  | 5          | Hattiesburg, part |     |      |     |       | 31020 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 019  | 000   | 2    |      |            | Franklin          | 037 | 6    |     | 0000  |       |
|                        | 020  | 000   | 2    |      |            | George            | 039 | 6    |     | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Greene            | 041 | 6    |     | 0000  |       |
|                        | 022  | 000   | 2    |      |            | Grenada           | 043 | 6    |     | 0000  |       |
|                        |      |       |      | 013  | 6          | Grenada           |     |      |     |       | 29460 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 023  | 030   | 1    |      |            | Hancock           | 045 | 5    |     | 0920  |       |
|                        | 024  | 030   | 1    |      |            | Harrison          | 047 | 3    |     | 0920  |       |
|                        |      |       |      | 001  | 5          | Biloxi            |     |      |     |       | 06220 |
|                        |      |       |      | 014  | 5          | Gulfport          |     |      |     |       | 29700 |
|                        |      |       |      | 019  | 6          | Long Beach        |     |      |     |       | 41680 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 025  | 133   | 1    |      |            | Hinds             | 049 | 2    |     | 3560  |       |
|                        |      |       |      | 007  | 6          | Clinton           |     |      |     |       | 14420 |
|                        |      |       |      | 017  | 3          | Jackson, part     |     |      |     |       | 36000 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 026  | 000   | 2    |      |            | Holmes            | 051 | 6    |     | 0000  |       |
|                        | 027  | 000   | 2    |      |            | Humphreys         | 053 | 6    |     | 0000  |       |
|                        | 028  | 000   | 2    |      |            | Issaquena         | 055 | 6    |     | 0000  |       |
|                        | 029  | 000   | 2    |      |            | Itawamba          | 057 | 6    |     | 0000  |       |
|                        | 030  | 030   | 1    |      |            | Jackson           | 059 | 3    |     | 0920  |       |
|                        |      |       |      | 010  | 6          | Gautier           |     |      |     |       | 26860 |
|                        |      |       |      | 022  | 6          | Moss Point        |     |      |     |       | 49240 |
|                        |      |       |      | 024  | 6          | Ocean Springs     |     |      |     |       | 53520 |
|                        |      |       |      | 026  | 5          | Pascagoula        |     |      |     |       | 55360 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 031  | 000   | 2    |      |            | Jasper            | 061 | 6    |     | 0000  |       |
|                        | 032  | 000   | 2    |      |            | Jefferson         | 063 | 6    |     | 0000  |       |
|                        | 033  | 000   | 2    |      |            | Jefferson Davis   | 065 | 6    |     | 0000  |       |
|                        | 034  | 000   | 2    |      |            | Jones             | 067 | 4    |     | 0000  |       |
|                        |      |       |      | 018  | 6          | Laurel            |     |      |     |       | 39640 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 035  | 000   | 2    |      |            | Kemper            | 069 | 6    |     | 0000  |       |
|                        | 036  | 000   | 2    |      |            | Lafayette         | 071 | 5    |     | 0000  |       |
|                        |      |       |      | 025  | 6          | Oxford            |     |      |     |       | 54840 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 037  | 123   | 1    |      |            | Lamar             | 073 | 5    |     | 3285  |       |
|                        |      |       |      | 015  | 5          | Hattiesburg, part |     |      |     |       | 31020 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 038  | 000   | 2    |      |            | Lauderdale        | 075 | 4    |     | 0000  |       |
|                        |      |       |      | 021  | 5          | Meridian          |     |      |     |       | 46640 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 039  | 000   | 2    |      |            | Lawrence          | 077 | 6    |     | 0000  |       |
|                        | 040  | 000   | 2    |      |            | Leake             | 079 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S  | P/MSA | Place |
| 25                     |      |       |      |      |            | Mississippi       | 28  |      |      |       |       |
|                        | 041  | 000   | 2    |      |            | Lee               | 081 | 4    | 0000 |       | 74840 |
|                        |      |       |      | 032  | 5          | Tupelo            |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 042  | 000   | 2    |      |            | Leflore           | 083 | 5    | 0000 |       | 29340 |
|                        |      |       |      | 012  | 6          | Greenwood         |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 043  | 000   | 2    |      |            | Lincoln           | 085 | 5    | 0000 |       | 08820 |
|                        |      |       |      | 003  | 6          | Brookhaven        |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 044  | 000   | 2    |      |            | Lowndes           | 087 | 4    | 0000 |       | 15380 |
|                        |      |       |      | 008  | 6          | Columbus          |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 045  | 133   | 1    |      |            | Madison           | 089 | 4    | 3560 |       | 11100 |
|                        |      |       |      | 004  | 6          | Canton            |     |      |      |       | 36000 |
|                        |      |       |      | 017  | 3          | Jackson, part     |     |      |      |       | 62520 |
|                        |      |       |      | 029  | 6          | Ridgeland         |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 046  | 000   | 2    |      |            | Marion            | 091 | 5    | 0000 |       |       |
|                        | 047  | 000   | 2    |      |            | Marshall          | 093 | 5    | 0000 |       |       |
|                        | 048  | 000   | 2    |      |            | Monroe            | 095 | 5    | 0000 |       |       |
|                        | 049  | 000   | 2    |      |            | Montgomery        | 097 | 6    | 0000 |       |       |
|                        | 050  | 000   | 2    |      |            | Neshoba           | 099 | 6    | 0000 |       |       |
|                        | 051  | 000   | 2    |      |            | Newton            | 101 | 6    | 0000 |       |       |
|                        | 052  | 000   | 2    |      |            | Noxubee           | 103 | 6    | 0000 |       |       |
|                        | 053  | 000   | 2    |      |            | Oktibbeha         | 105 | 5    | 0000 |       |       |
|                        |      |       |      | 031  | 6          | Starkville        |     |      |      |       | 70240 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 054  | 000   | 2    |      |            | Panola            | 107 | 5    | 0000 |       |       |
|                        | 055  | 000   | 2    |      |            | Pearl River       | 109 | 5    | 0000 |       |       |
|                        |      |       |      | 028  | 6          | Picayune          |     |      |      |       | 57160 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 056  | 000   | 2    |      |            | Perry             | 111 | 6    | 0000 |       |       |
|                        | 057  | 000   | 2    |      |            | Pike              | 113 | 5    | 0000 |       |       |
|                        |      |       |      | 020  | 6          | McComb            |     |      |      |       | 43280 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 058  | 000   | 2    |      |            | Pontotoc          | 115 | 6    | 0000 |       |       |
|                        | 059  | 000   | 2    |      |            | Prentiss          | 117 | 6    | 0000 |       |       |
|                        | 060  | 000   | 2    |      |            | Quitman           | 119 | 6    | 0000 |       |       |
|                        | 061  | 133   | 1    |      |            | Rankin            | 121 | 4    | 3560 |       |       |
|                        |      |       |      | 002  | 6          | Brandon           |     |      |      |       | 08300 |
|                        |      |       |      | 017  | 3          | Jackson, part     |     |      |      |       | 36000 |
|                        |      |       |      | 027  | 6          | Pearl             |     |      |      |       | 55760 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 062  | 000   | 2    |      |            | Scott             | 123 | 6    | 0000 |       |       |
|                        | 063  | 000   | 2    |      |            | Sharkey           | 125 | 6    | 0000 |       |       |
|                        | 064  | 000   | 2    |      |            | Simpson           | 127 | 6    | 0000 |       |       |
|                        | 065  | 000   | 2    |      |            | Smith             | 129 | 6    | 0000 |       |       |
|                        | 066  | 000   | 2    |      |            | Stone             | 131 | 6    | 0000 |       |       |
|                        | 067  | 000   | 2    |      |            | Sunflower         | 133 | 5    | 0000 |       |       |
|                        |      |       |      | 016  | 6          | Indianola         |     |      |      |       | 34740 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 068  | 000   | 2    |      |            | Tallahatchie      | 135 | 6    | 0000 |       |       |
|                        | 069  | 000   | 2    |      |            | Tate              | 137 | 6    | 0000 |       |       |
|                        | 070  | 000   | 2    |      |            | Tippah            | 139 | 6    | 0000 |       |       |
|                        | 071  | 000   | 2    |      |            | Tishomingo        | 141 | 6    | 0000 |       |       |
|                        | 072  | 000   | 2    |      |            | Tunica            | 143 | 6    | 0000 |       |       |
|                        | 073  | 000   | 2    |      |            | Union             | 145 | 6    | 0000 |       |       |
|                        | 074  | 000   | 2    |      |            | Walthall          | 147 | 6    | 0000 |       |       |
|                        | 075  | 000   | 2    |      |            | Warren            | 149 | 5    | 0000 |       |       |
|                        |      |       |      | 033  | 6          | Vicksburg         |     |      |      |       | 76720 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 076  | 000   | 2    |      |            | Washington        | 151 | 4    | 0000 |       |       |
|                        |      |       |      | 011  | 5          | Greenville        |     |      |      |       | 29180 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 077  | 000   | 2    |      |            | Wayne             | 153 | 6    | 0000 |       |       |
|                        | 078  | 000   | 2    |      |            | Webster           | 155 | 6    | 0000 |       |       |
|                        | 079  | 000   | 2    |      |            | Wilkinson         | 157 | 6    | 0000 |       |       |
|                        | 080  | 000   | 2    |      |            | Winston           | 159 | 6    | 0000 |       |       |
|                        | 081  | 000   | 2    |      |            | Yalobusha         | 161 | 6    | 0000 |       |       |
|                        | 082  | 000   | 2    |      |            | Yazoo             | 163 | 5    | 0000 |       |       |
|                        |      |       |      | 034  | 6          | Yazoo City        |     |      |      |       | 81520 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                         |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-------------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names              | St  | Cnty | P/S  | P/MSA | Place |
| 26                     |      |       |      |      |            | Missouri                | 29  |      |      |       |       |
|                        | 001  | 000   | 2    |      |            | Adair                   | 001 | 6    | 0000 |       |       |
|                        |      |       |      | 030  | 6          | Kirksville              |     |      |      |       | 39026 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 002  | 242   | 1    | 999  | 9          | Andrew                  | 003 | 6    | 7000 |       |       |
|                        | 003  | 000   | 2    | 999  | 9          | Atchison                | 005 | 6    | 0000 |       |       |
|                        | 004  | 000   | 2    |      |            | Audrain                 | 007 | 6    | 0000 |       |       |
|                        |      |       |      | 037  | 6          | Mexico                  |     |      |      |       | 47648 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9          | Barry                   | 009 | 5    | 0000 |       |       |
|                        | 006  | 000   | 2    | 999  | 9          | Barton                  | 011 | 6    | 0000 |       |       |
|                        | 007  | 000   | 2    | 999  | 9          | Bates                   | 013 | 6    | 0000 |       |       |
|                        | 008  | 000   | 2    | 999  | 9          | Benton                  | 015 | 6    | 0000 |       |       |
|                        | 009  | 000   | 2    | 999  | 9          | Bollinger               | 017 | 6    | 0000 |       |       |
|                        | 010  | 061   | 1    |      |            | Boone                   | 019 | 3    | 1740 |       |       |
|                        |      |       |      | 012  | 4          | Columbia                |     |      |      |       | 15670 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 011  | 242   | 1    |      |            | Buchanan                | 021 | 4    | 7000 |       |       |
|                        |      |       |      | 047  | 4          | St. Joseph              |     |      |      |       | 64550 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 012  | 000   | 2    |      |            | Butler                  | 023 | 5    | 0000 |       |       |
|                        |      |       |      | 041  | 6          | Poplar Bluff            |     |      |      |       | 59096 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 013  | 000   | 2    | 999  | 9          | Caldwell                | 025 | 6    | 0000 |       |       |
|                        | 014  | 000   | 2    |      |            | Callaway                | 027 | 5    | 0000 |       |       |
|                        |      |       |      | 019  | 6          | Fulton                  |     |      |      |       | 26182 |
|                        |      |       |      | 025  | 5          | Jefferson City, part    |     |      |      |       | 37000 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9          | Camden                  | 029 | 5    | 0000 |       |       |
|                        | 016  | 000   | 2    |      |            | Cape Girardeau          | 031 | 4    | 0000 |       |       |
|                        |      |       |      | 008  | 5          | Cape Girardeau          |     |      |      |       | 11242 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 017  | 000   | 2    | 999  | 9          | Carroll                 | 033 | 6    | 0000 |       |       |
|                        | 018  | 000   | 2    | 999  | 9          | Carter                  | 035 | 6    | 0000 |       |       |
|                        | 019  | 145   | 1    |      |            | Cass                    | 037 | 4    | 3760 |       |       |
|                        |      |       |      | 004  | 6          | Belton                  |     |      |      |       | 04384 |
|                        |      |       |      | 028  | 2          | Kansas City, part       |     |      |      |       | 38000 |
|                        |      |       |      | 032  | 5          | Lee's Summit, part      |     |      |      |       | 41348 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 020  | 000   | 2    | 999  | 9          | Cedar                   | 039 | 6    | 0000 |       |       |
|                        | 021  | 000   | 2    | 999  | 9          | Chariton                | 041 | 6    | 0000 |       |       |
|                        | 022  | 270   | 1    | 999  | 9          | Christian               | 043 | 5    | 7920 |       |       |
|                        | 023  | 000   | 2    | 999  | 9          | Clark                   | 045 | 6    | 0000 |       |       |
|                        | 024  | 145   | 1    |      |            | Clay                    | 047 | 3    | 3760 |       |       |
|                        |      |       |      | 015  | 6          | Excelsior Springs, part |     |      |      |       | 23086 |
|                        |      |       |      | 020  | 5          | Gladstone               |     |      |      |       | 27190 |
|                        |      |       |      | 024  | 3          | Independence, part      |     |      |      |       | 35000 |
|                        |      |       |      | 028  | 2          | Kansas City, part       |     |      |      |       | 38000 |
|                        |      |       |      | 033  | 6          | Liberty                 |     |      |      |       | 42032 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 025  | 145   | 1    | 999  | 9          | Clinton                 | 049 | 6    | 3760 |       |       |
|                        | 026  | 000   | 2    |      |            | Cole                    | 051 | 4    | 0000 |       |       |
|                        |      |       |      | 025  | 5          | Jefferson City, part    |     |      |      |       | 37000 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9          | Cooper                  | 053 | 6    | 0000 |       |       |
|                        | 028  | 000   | 2    | 999  | 9          | Crawford                | 055 | 6    | 0000 |       |       |
|                        | 029  | 000   | 2    | 999  | 9          | Dade                    | 057 | 6    | 0000 |       |       |
|                        | 030  | 000   | 2    | 999  | 9          | Dallas                  | 059 | 6    | 0000 |       |       |
|                        | 031  | 000   | 2    | 999  | 9          | Daviess                 | 061 | 6    | 0000 |       |       |
|                        | 032  | 000   | 2    | 999  | 9          | De Kalb                 | 063 | 6    | 0000 |       |       |
|                        | 033  | 000   | 2    | 999  | 9          | Dent                    | 065 | 6    | 0000 |       |       |
|                        | 034  | 000   | 2    | 999  | 9          | Douglas                 | 067 | 6    | 0000 |       |       |
|                        | 035  | 000   | 2    |      |            | Dunklin                 | 069 | 5    | 0000 |       |       |
|                        |      |       |      | 029  | 6          | Kennett                 |     |      |      |       | 38306 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 036  | 243   | 1    |      |            | Franklin                | 071 | 4    | 7040 |       |       |
|                        |      |       |      | 055  | 6          | Washington              |     |      |      |       | 77416 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 037  | 000   | 2    | 999  | 9          | Gasconade               | 073 | 6    | 0000 |       |       |
|                        | 038  | 000   | 2    | 999  | 9          | Gentry                  | 075 | 6    | 0000 |       |       |
|                        | 039  | 270   | 1    |      |            | Greene                  | 077 | 3    | 7920 |       |       |
|                        |      |       |      | 052  | 3          | Springfield             |     |      |      |       | 70000 |
|                        |      |       |      | 999  | 9          | Balance of county       |     |      |      |       | 99999 |
|                        | 040  | 000   | 2    | 999  | 9          | Grundy                  | 079 | 6    | 0000 |       |       |
|                        | 041  | 000   | 2    | 999  | 9          | Harrison                | 081 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                    |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|--------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names         | St | Cnty | P/S | P/MSA | Place |
| 26                     |      |       |      |      |            | Missouri           | 29 |      |     |       |       |
|                        | 042  | 000   | 2    | 999  | 9          | Henry              |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Hickory            |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Holt               |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Howard             |    | 089  | 6   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Howell             |    | 091  | 5   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9          | Iron               |    | 093  | 6   | 0000  |       |
|                        | 048  | 145   | 1    |      |            | Jackson            |    | 095  | 1   | 3760  |       |
|                        |      |       |      | 006  | 5          | Blue Springs       |    |      |     |       | 06652 |
|                        |      |       |      | 021  | 6          | Grandview          |    |      |     |       | 28324 |
|                        |      |       |      | 024  | 3          | Independence, part |    |      |     |       | 35000 |
|                        |      |       |      | 028  | 2          | Kansas City, part  |    |      |     |       | 38000 |
|                        |      |       |      | 032  | 5          | Lee's Summit, part |    |      |     |       | 41348 |
|                        |      |       |      | 042  | 5          | Raytown            |    |      |     |       | 60788 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 049  | 142   | 1    |      |            | Jasper             |    | 097  | 4   | 3710  |       |
|                        |      |       |      | 009  | 6          | Carthage           |    |      |     |       | 11656 |
|                        |      |       |      | 027  | 5          | Joplin, part       |    |      |     |       | 37592 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 050  | 243   | 1    |      |            | Jefferson          |    | 099  | 3   | 7040  |       |
|                        |      |       |      | 001  | 6          | Arnold             |    |      |     |       | 01972 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 051  | 000   | 2    |      |            | Johnson            |    | 101  | 5   | 0000  |       |
|                        |      |       |      | 054  | 6          | Warrensburg        |    |      |     |       | 77092 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 052  | 000   | 2    | 999  | 9          | Knox               |    | 103  | 6   | 0000  |       |
|                        | 053  | 000   | 2    | 999  | 9          | Laclede            |    | 105  | 5   | 0000  |       |
|                        | 054  | 145   | 1    | 999  | 9          | Lafayette          |    | 107  | 5   | 3760  |       |
|                        | 055  | 000   | 2    | 999  | 9          | Lawrence           |    | 109  | 5   | 0000  |       |
|                        | 056  | 000   | 2    | 999  | 9          | Lewis              |    | 111  | 6   | 0000  |       |
|                        | 057  | 243   | 1    | 999  | 9          | Lincoln            |    | 113  | 5   | 7040  |       |
|                        | 058  | 000   | 2    | 999  | 9          | Linn               |    | 115  | 6   | 0000  |       |
|                        | 059  | 000   | 2    | 999  | 9          | Livingston         |    | 117  | 6   | 0000  |       |
|                        | 060  | 000   | 2    | 999  | 9          | McDonald           |    | 119  | 6   | 0000  |       |
|                        | 061  | 000   | 2    | 999  | 9          | Macon              |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9          | Madison            |    | 123  | 6   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9          | Maries             |    | 125  | 6   | 0000  |       |
|                        | 064  | 000   | 2    |      |            | Marion             |    | 127  | 5   | 0000  |       |
|                        |      |       |      | 022  | 6          | Hannibal, part     |    |      |     |       | 30214 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 065  | 000   | 2    | 999  | 9          | Mercer             |    | 129  | 6   | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9          | Miller             |    | 131  | 6   | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9          | Mississippi        |    | 133  | 6   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9          | Moniteau           |    | 135  | 6   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9          | Monroe             |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9          | Montgomery         |    | 139  | 6   | 0000  |       |
|                        | 071  | 000   | 2    | 999  | 9          | Morgan             |    | 141  | 6   | 0000  |       |
|                        | 072  | 000   | 2    |      |            | New Madrid         |    | 143  | 6   | 0000  |       |
|                        |      |       |      | 051  | 6          | Sikeston, part     |    |      |     |       | 67790 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 073  | 142   | 1    |      |            | Newton             |    | 145  | 5   | 3710  |       |
|                        |      |       |      | 027  | 5          | Joplin, part       |    |      |     |       | 37592 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 074  | 000   | 2    |      |            | Nodaway            |    | 147  | 6   | 0000  |       |
|                        |      |       |      | 036  | 6          | Maryville          |    |      |     |       | 46640 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 075  | 000   | 2    | 999  | 9          | Oregon             |    | 149  | 6   | 0000  |       |
|                        | 076  | 000   | 2    | 999  | 9          | Osage              |    | 151  | 6   | 0000  |       |
|                        | 077  | 000   | 2    | 999  | 9          | Ozark              |    | 153  | 6   | 0000  |       |
|                        | 078  | 000   | 2    | 999  | 9          | Pemiscot           |    | 155  | 6   | 0000  |       |
|                        | 079  | 000   | 2    | 999  | 9          | Perry              |    | 157  | 6   | 0000  |       |
|                        | 080  | 000   | 2    |      |            | Pettis             |    | 159  | 5   | 0000  |       |
|                        |      |       |      | 050  | 6          | Sedalia            |    |      |     |       | 66440 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 081  | 000   | 2    |      |            | Phelps             |    | 161  | 5   | 0000  |       |
|                        |      |       |      | 044  | 6          | Rolla              |    |      |     |       | 62912 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 082  | 000   | 2    | 999  | 9          | Pike               |    | 163  | 6   | 0000  |       |
|                        | 083  | 145   | 1    |      |            | Platte             |    | 165  | 4   | 3760  |       |
|                        |      |       |      | 028  | 2          | Kansas City, part  |    |      |     |       | 38000 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 084  | 000   | 2    | 999  | 9          | Polk               |    | 167  | 6   | 0000  |       |
|                        | 085  | 000   | 2    | 999  | 9          | Pulaski            |    | 169  | 5   | 0000  |       |
|                        | 086  | 000   | 2    | 999  | 9          | Putnam             |    | 171  | 6   | 0000  |       |
|                        | 087  | 000   | 2    |      |            | Ralls              |    | 173  | 6   | 0000  |       |
|                        |      |       |      | 022  | 6          | Hannibal, part     |    |      |     |       | 30214 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                         |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names              | St | Cnty | P/S | P/MSA | Place |
| 26                     |      |       |      |      |            | Missouri                | 29 |      |     |       |       |
|                        | 087  |       |      |      |            | Ralls, con.             |    | 173  | 6   | 0000  |       |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 088  | 000   | 2    |      |            | Randolph                |    | 175  | 6   | 0000  |       |
|                        |      |       |      | 038  | 6          | Moberly                 |    |      |     |       | 49034 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 089  | 145   | 1    |      |            | Ray                     |    | 177  | 6   | 3760  |       |
|                        |      |       |      | 015  | 6          | Excelsior Springs, part |    |      |     |       | 23086 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 090  | 000   | 2    |      |            | Reynolds                |    | 179  | 6   | 0000  |       |
|                        | 091  | 000   | 2    |      |            | Ripley                  |    | 181  | 6   | 0000  |       |
|                        | 092  | 243   | 1    |      |            | St. Charles             |    | 183  | 3   | 7040  |       |
|                        |      |       |      | 039  | 6          | O'Fallon                |    |      |     |       | 54074 |
|                        |      |       |      | 046  | 4          | St. Charles             |    |      |     |       | 64082 |
|                        |      |       |      | 049  | 5          | St. Peters              |    |      |     |       | 65126 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 093  | 000   | 2    |      |            | St. Clair               |    | 185  | 6   | 0000  |       |
|                        | 094  | 000   | 2    |      |            | Ste. Genevieve          |    | 186  | 6   | 0000  |       |
|                        | 095  | 000   | 2    |      |            | St. Francois            |    | 187  | 5   | 0000  |       |
|                        |      |       |      | 016  | 6          | Farmington              |    |      |     |       | 23752 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 096  | 243   | 1    |      |            | St. Louis               |    | 189  | 1   | 7040  |       |
|                        |      |       |      | 002  | 6          | Ballwin                 |    |      |     |       | 03160 |
|                        |      |       |      | 003  | 6          | Bellefontaine Neighbors |    |      |     |       | 04222 |
|                        |      |       |      | 005  | 6          | Berkeley                |    |      |     |       | 04906 |
|                        |      |       |      | 007  | 6          | Bridgeton               |    |      |     |       | 08398 |
|                        |      |       |      | 010  | 5          | Chesterfield            |    |      |     |       | 13600 |
|                        |      |       |      | 011  | 6          | Clayton                 |    |      |     |       | 14572 |
|                        |      |       |      | 013  | 6          | Crestwood               |    |      |     |       | 17218 |
|                        |      |       |      | 014  | 6          | Creve Coeur             |    |      |     |       | 17272 |
|                        |      |       |      | 017  | 6          | Ferguson                |    |      |     |       | 23986 |
|                        |      |       |      | 018  | 4          | Florissant              |    |      |     |       | 24778 |
|                        |      |       |      | 023  | 6          | Hazelwood               |    |      |     |       | 31276 |
|                        |      |       |      | 026  | 6          | Jennings                |    |      |     |       | 37178 |
|                        |      |       |      | 031  | 5          | Kirkwood                |    |      |     |       | 39044 |
|                        |      |       |      | 035  | 5          | Maryland Heights        |    |      |     |       | 46586 |
|                        |      |       |      | 040  | 6          | Overland                |    |      |     |       | 55550 |
|                        |      |       |      | 043  | 6          | Richmond Heights        |    |      |     |       | 61706 |
|                        |      |       |      | 045  | 6          | St. Ann                 |    |      |     |       | 63956 |
|                        |      |       |      | 053  | 5          | University City         |    |      |     |       | 75220 |
|                        |      |       |      | 056  | 6          | Webster Groves          |    |      |     |       | 78154 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 097  | 243   | 1    | 048  | 2          | St. Louis city          |    | 510  | 2   | 7040  | 65000 |
|                        | 098  | 000   | 2    |      |            | Saline                  |    | 195  | 6   | 0000  |       |
|                        |      |       |      | 034  | 6          | Marshall                |    |      |     |       | 46316 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 099  | 000   | 2    |      |            | Schuyler                |    | 197  | 6   | 0000  |       |
|                        | 100  | 000   | 2    |      |            | Scotland                |    | 199  | 6   | 0000  |       |
|                        | 101  | 000   | 2    |      |            | Scott                   |    | 201  | 5   | 0000  |       |
|                        |      |       |      | 051  | 6          | Sikeston, part          |    |      |     |       | 67790 |
|                        |      |       |      | 999  | 9          | Balance of county       |    |      |     |       | 99999 |
|                        | 102  | 000   | 2    |      |            | Shannon                 |    | 203  | 6   | 0000  |       |
|                        | 103  | 000   | 2    |      |            | Shelby                  |    | 205  | 6   | 0000  |       |
|                        | 104  | 000   | 2    |      |            | Stoddard                |    | 207  | 5   | 0000  |       |
|                        | 105  | 000   | 2    |      |            | Stone                   |    | 209  | 6   | 0000  |       |
|                        | 106  | 000   | 2    |      |            | Sullivan                |    | 211  | 6   | 0000  |       |
|                        | 107  | 000   | 2    |      |            | Taney                   |    | 213  | 5   | 0000  |       |
|                        | 108  | 000   | 2    |      |            | Texas                   |    | 215  | 6   | 0000  |       |
|                        | 109  | 000   | 2    |      |            | Vernon                  |    | 217  | 6   | 0000  |       |
|                        | 110  | 243   | 1    |      |            | Warren                  |    | 219  | 6   | 7040  |       |
|                        | 111  | 000   | 2    |      |            | Washington              |    | 221  | 6   | 0000  |       |
|                        | 112  | 000   | 2    |      |            | Wayne                   |    | 223  | 6   | 0000  |       |
|                        | 113  | 270   | 1    |      |            | Webster                 |    | 225  | 6   | 7920  |       |
|                        | 114  | 000   | 2    |      |            | Worth                   |    | 227  | 6   | 0000  |       |
|                        | 115  | 000   | 2    |      |            | Wright                  |    | 229  | 6   | 0000  |       |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |  |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|--|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                               | St  | Cnty | P/S | P/MSA | Place |
| 27                     |      |       |      |      |            | Montana                                  | 30  |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Beaverhead                               | 001 | 6    |     | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Big Horn                                 | 003 | 6    |     | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9          | Blaine                                   | 005 | 6    |     | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Broadwater                               | 007 | 6    |     | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Carbon                                   | 009 | 6    |     | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Carter                                   | 011 | 6    |     | 0000  |       |
|                        | 007  | 113   | 1    |      |            | Cascade                                  | 013 | 4    |     | 3040  |       |
|                        |      |       |      | 005  | 4          | Great Falls                              |     |      |     |       | 32800 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 008  | 000   | 2    | 999  | 9          | Chouteau                                 | 015 | 6    |     | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9          | Custer                                   | 017 | 6    |     | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Daniels                                  | 019 | 6    |     | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Dawson                                   | 021 | 6    |     | 0000  |       |
|                        | 012  | 000   | 2    | 001  | 6          | Deer Lodge, coext. with Anaconda-Deer Lo | 023 | 6    |     | 0000  | 01675 |
|                        | 013  | 000   | 2    | 999  | 9          | Fallon                                   | 025 | 6    |     | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Fergus                                   | 027 | 6    |     | 0000  |       |
|                        | 015  | 000   | 2    |      |            | Flathead                                 | 029 | 4    |     | 0000  |       |
|                        |      |       |      | 008  | 6          | Kalispell                                |     |      |     |       | 40075 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 016  | 000   | 2    |      |            | Gallatin                                 | 031 | 4    |     | 0000  |       |
|                        |      |       |      | 003  | 6          | Bozeman                                  |     |      |     |       | 08950 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 017  | 000   | 2    | 999  | 9          | Garfield                                 | 033 | 6    |     | 0000  |       |
|                        | 018  | 000   | 2    | 999  | 9          | Glacier                                  | 035 | 6    |     | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9          | Golden Valley                            | 037 | 6    |     | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Granite                                  | 039 | 6    |     | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Hill                                     | 041 | 6    |     | 0000  |       |
|                        |      |       |      | 006  | 6          | Havre                                    |     |      |     |       | 35050 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 022  | 000   | 2    | 999  | 9          | Jefferson                                | 043 | 6    |     | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9          | Judith Basin                             | 045 | 6    |     | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9          | Lake                                     | 047 | 6    |     | 0000  |       |
|                        | 025  | 000   | 2    |      |            | Lewis and Clark                          | 049 | 5    |     | 0000  |       |
|                        |      |       |      | 007  | 6          | Helena                                   |     |      |     |       | 35600 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 026  | 000   | 2    | 999  | 9          | Liberty                                  | 051 | 6    |     | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9          | Lincoln                                  | 053 | 6    |     | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | McCone                                   | 055 | 6    |     | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Madison                                  | 057 | 6    |     | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Meagher                                  | 059 | 6    |     | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Mineral                                  | 061 | 6    |     | 0000  |       |
|                        | 032  | 000   | 2    |      |            | Missoula                                 | 063 | 4    |     | 0000  |       |
|                        |      |       |      | 009  | 5          | Missoula                                 |     |      |     |       | 50200 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 033  | 000   | 2    | 999  | 9          | Musselshell                              | 065 | 6    |     | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Park                                     | 067 | 6    |     | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Petroleum                                | 069 | 6    |     | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Phillips                                 | 071 | 6    |     | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9          | Pondera                                  | 073 | 6    |     | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Powder River                             | 075 | 6    |     | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Powell                                   | 077 | 6    |     | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Prairie                                  | 079 | 6    |     | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9          | Ravalli                                  | 081 | 5    |     | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9          | Richland                                 | 083 | 6    |     | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Roosevelt                                | 085 | 6    |     | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Rosebud                                  | 087 | 6    |     | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Sanders                                  | 089 | 6    |     | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Sheridan                                 | 091 | 6    |     | 0000  |       |
|                        | 047  | 000   | 2    |      |            | Silver Bow                               | 093 | 5    |     | 0000  |       |
|                        |      |       |      | 004  | 5          | Butte-Silver Bow                         |     |      |     |       | 11390 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 048  | 000   | 2    | 999  | 9          | Stillwater                               | 095 | 6    |     | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9          | Sweet Grass                              | 097 | 6    |     | 0000  |       |
|                        | 050  | 000   | 2    | 999  | 9          | Teton                                    | 099 | 6    |     | 0000  |       |
|                        | 051  | 000   | 2    | 999  | 9          | Toole                                    | 101 | 6    |     | 0000  |       |
|                        | 052  | 000   | 2    | 999  | 9          | Treasure                                 | 103 | 6    |     | 0000  |       |
|                        | 053  | 000   | 2    | 999  | 9          | Valley                                   | 105 | 6    |     | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Wheatland                                | 107 | 6    |     | 0000  |       |
|                        | 055  | 000   | 2    | 999  | 9          | Wibaux                                   | 109 | 6    |     | 0000  |       |
|                        | 056  | 029   | 1    |      |            | Yellowstone                              | 111 | 3    |     | 0880  |       |
|                        |      |       |      | 002  | 4          | Billings                                 |     |      |     |       | 06550 |
|                        |      |       |      | 999  | 9          | Balance of county                        |     |      |     |       | 99999 |
|                        | 057  | 000   | 2    | 999  | 9          | Yellowstone National Park                | 113 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S  | P/MSA | Place |
| 28                     |      |       |      |      |            | Nebraska          | 31  |      |      |       |       |
|                        | 001  | 000   | 2    |      |            | Adams             | 001 | 5    | 0000 |       |       |
|                        |      |       |      | 006  | 6          | Hastings          |     |      |      |       | 21415 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9          | Antelope          | 003 | 6    | 0000 |       |       |
|                        | 003  | 000   | 2    | 999  | 9          | Arthur            | 005 | 6    | 0000 |       |       |
|                        | 004  | 000   | 2    | 999  | 9          | Banner            | 007 | 6    | 0000 |       |       |
|                        | 005  | 000   | 2    | 999  | 9          | Blaine            | 009 | 6    | 0000 |       |       |
|                        | 006  | 000   | 2    | 999  | 9          | Boone             | 011 | 6    | 0000 |       |       |
|                        | 007  | 000   | 2    | 999  | 9          | Box Butte         | 013 | 6    | 0000 |       |       |
|                        | 008  | 000   | 2    | 999  | 9          | Boyd              | 015 | 6    | 0000 |       |       |
|                        | 009  | 000   | 2    | 999  | 9          | Brown             | 017 | 6    | 0000 |       |       |
|                        | 010  | 000   | 2    |      |            | Buffalo           | 019 | 5    | 0000 |       |       |
|                        |      |       |      | 007  | 6          | Kearney           |     |      |      |       | 25055 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9          | Burt              | 021 | 6    | 0000 |       |       |
|                        | 012  | 000   | 2    | 999  | 9          | Butler            | 023 | 6    | 0000 |       |       |
|                        | 013  | 206   | 1    | 999  | 9          | Cass              | 025 | 6    | 5920 |       |       |
|                        | 014  | 000   | 2    | 999  | 9          | Cedar             | 027 | 6    | 0000 |       |       |
|                        | 015  | 000   | 2    | 999  | 9          | Chase             | 029 | 6    | 0000 |       |       |
|                        | 016  | 000   | 2    | 999  | 9          | Cherry            | 031 | 6    | 0000 |       |       |
|                        | 017  | 000   | 2    | 999  | 9          | Cheyenne          | 033 | 6    | 0000 |       |       |
|                        | 018  | 000   | 2    | 999  | 9          | Clay              | 035 | 6    | 0000 |       |       |
|                        | 019  | 000   | 2    | 999  | 9          | Colfax            | 037 | 6    | 0000 |       |       |
|                        | 020  | 000   | 2    | 999  | 9          | Cuming            | 039 | 6    | 0000 |       |       |
|                        | 021  | 000   | 2    | 999  | 9          | Custer            | 041 | 6    | 0000 |       |       |
|                        | 022  | 265   | 1    | 999  | 9          | Dakota            | 043 | 6    | 7720 |       |       |
|                        | 023  | 000   | 2    | 999  | 9          | Dawes             | 045 | 6    | 0000 |       |       |
|                        | 024  | 000   | 2    | 999  | 9          | Dawson            | 047 | 6    | 0000 |       |       |
|                        | 025  | 000   | 2    | 999  | 9          | Deuel             | 049 | 6    | 0000 |       |       |
|                        | 026  | 000   | 2    | 999  | 9          | Dixon             | 051 | 6    | 0000 |       |       |
|                        | 027  | 000   | 2    |      |            | Dodge             | 053 | 5    | 0000 |       |       |
|                        |      |       |      | 004  | 6          | Fremont           |     |      |      |       | 17670 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 028  | 206   | 1    |      |            | Douglas           | 055 | 2    | 5920 |       |       |
|                        |      |       |      | 011  | 2          | Omaha             |     |      |      |       | 37000 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 029  | 000   | 2    | 999  | 9          | Dundy             | 057 | 6    | 0000 |       |       |
|                        | 030  | 000   | 2    | 999  | 9          | Fillmore          | 059 | 6    | 0000 |       |       |
|                        | 031  | 000   | 2    | 999  | 9          | Franklin          | 061 | 6    | 0000 |       |       |
|                        | 032  | 000   | 2    | 999  | 9          | Frontier          | 063 | 6    | 0000 |       |       |
|                        | 033  | 000   | 2    | 999  | 9          | Furnas            | 065 | 6    | 0000 |       |       |
|                        | 034  | 000   | 2    |      |            | Gage              | 067 | 6    | 0000 |       |       |
|                        |      |       |      | 001  | 6          | Beatrice          |     |      |      |       | 03390 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 035  | 000   | 2    | 999  | 9          | Garden            | 069 | 6    | 0000 |       |       |
|                        | 036  | 000   | 2    | 999  | 9          | Garfield          | 071 | 6    | 0000 |       |       |
|                        | 037  | 000   | 2    | 999  | 9          | Gosper            | 073 | 6    | 0000 |       |       |
|                        | 038  | 000   | 2    | 999  | 9          | Grant             | 075 | 6    | 0000 |       |       |
|                        | 039  | 000   | 2    | 999  | 9          | Greeley           | 077 | 6    | 0000 |       |       |
|                        | 040  | 000   | 2    |      |            | Hall              | 079 | 5    | 0000 |       |       |
|                        |      |       |      | 005  | 5          | Grand Island      |     |      |      |       | 19595 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 041  | 000   | 2    | 999  | 9          | Hamilton          | 081 | 6    | 0000 |       |       |
|                        | 042  | 000   | 2    | 999  | 9          | Harlan            | 083 | 6    | 0000 |       |       |
|                        | 043  | 000   | 2    | 999  | 9          | Hayes             | 085 | 6    | 0000 |       |       |
|                        | 044  | 000   | 2    | 999  | 9          | Hitchcock         | 087 | 6    | 0000 |       |       |
|                        | 045  | 000   | 2    | 999  | 9          | Holt              | 089 | 6    | 0000 |       |       |
|                        | 046  | 000   | 2    | 999  | 9          | Hooker            | 091 | 6    | 0000 |       |       |
|                        | 047  | 000   | 2    | 999  | 9          | Howard            | 093 | 6    | 0000 |       |       |
|                        | 048  | 000   | 2    | 999  | 9          | Jefferson         | 095 | 6    | 0000 |       |       |
|                        | 049  | 000   | 2    | 999  | 9          | Johnson           | 097 | 6    | 0000 |       |       |
|                        | 050  | 000   | 2    | 999  | 9          | Kearney           | 099 | 6    | 0000 |       |       |
|                        | 051  | 000   | 2    | 999  | 9          | Keith             | 101 | 6    | 0000 |       |       |
|                        | 052  | 000   | 2    | 999  | 9          | Keya Paha         | 103 | 6    | 0000 |       |       |
|                        | 053  | 000   | 2    | 999  | 9          | Kimball           | 105 | 6    | 0000 |       |       |
|                        | 054  | 000   | 2    | 999  | 9          | Knox              | 107 | 6    | 0000 |       |       |
|                        | 055  | 165   | 1    |      |            | Lancaster         | 109 | 3    | 4360 |       |       |
|                        |      |       |      | 008  | 3          | Lincoln           |     |      |      |       | 28000 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 056  | 000   | 2    |      |            | Lincoln           | 111 | 5    | 0000 |       |       |
|                        |      |       |      | 010  | 6          | North Platte      |     |      |      |       | 35000 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 057  | 000   | 2    | 999  | 9          | Logan             | 113 | 6    | 0000 |       |       |
|                        | 058  | 000   | 2    | 999  | 9          | Loup              | 115 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 28                     |      |       |      |      |     | Nebraska          | 31 |      |     |       |       |
|                        | 059  | 000   | 2    | 999  | 9   | McPherson         |    | 117  | 6   | 0000  |       |
|                        | 060  | 000   | 2    |      |     | Madison           |    | 119  | 5   | 0000  |       |
|                        |      |       |      | 009  | 6   | Norfolk           |    |      |     |       | 34615 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 061  | 000   | 2    | 999  | 9   | Merrick           |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9   | Morrill           |    | 123  | 6   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9   | Nance             |    | 125  | 6   | 0000  |       |
|                        | 064  | 000   | 2    | 999  | 9   | Nemaha            |    | 127  | 6   | 0000  |       |
|                        | 065  | 000   | 2    | 999  | 9   | Nuckolls          |    | 129  | 6   | 0000  |       |
|                        | 066  | 000   | 2    | 999  | 9   | Otoe              |    | 131  | 6   | 0000  |       |
|                        | 067  | 000   | 2    | 999  | 9   | Pawnee            |    | 133  | 6   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9   | Perkins           |    | 135  | 6   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9   | Phelps            |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9   | Pierce            |    | 139  | 6   | 0000  |       |
|                        | 071  | 000   | 2    |      |     | Platte            |    | 141  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6   | Columbus          |    |      |     |       | 10110 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 072  | 000   | 2    | 999  | 9   | Polk              |    | 143  | 6   | 0000  |       |
|                        | 073  | 000   | 2    | 999  | 9   | Red Willow        |    | 145  | 6   | 0000  |       |
|                        | 074  | 000   | 2    | 999  | 9   | Richardson        |    | 147  | 6   | 0000  |       |
|                        | 075  | 000   | 2    | 999  | 9   | Rock              |    | 149  | 6   | 0000  |       |
|                        | 076  | 000   | 2    | 999  | 9   | Saline            |    | 151  | 6   | 0000  |       |
|                        | 077  | 206   | 1    |      |     | Sarpy             |    | 153  | 3   | 5920  |       |
|                        |      |       |      | 002  | 5   | Bellevue          |    |      |     |       | 03950 |
|                        |      |       |      | 012  | 6   | Papillion         |    |      |     |       | 38295 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 078  | 000   | 2    | 999  | 9   | Saunders          |    | 155  | 6   | 0000  |       |
|                        | 079  | 000   | 2    |      |     | Scotts Bluff      |    | 157  | 5   | 0000  |       |
|                        |      |       |      | 013  | 6   | Scottsbluff       |    |      |     |       | 44245 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 080  | 000   | 2    | 999  | 9   | Seward            |    | 159  | 6   | 0000  |       |
|                        | 081  | 000   | 2    | 999  | 9   | Sheridan          |    | 161  | 6   | 0000  |       |
|                        | 082  | 000   | 2    | 999  | 9   | Sherman           |    | 163  | 6   | 0000  |       |
|                        | 083  | 000   | 2    | 999  | 9   | Sioux             |    | 165  | 6   | 0000  |       |
|                        | 084  | 000   | 2    | 999  | 9   | Stanton           |    | 167  | 6   | 0000  |       |
|                        | 085  | 000   | 2    | 999  | 9   | Thayer            |    | 169  | 6   | 0000  |       |
|                        | 086  | 000   | 2    | 999  | 9   | Thomas            |    | 171  | 6   | 0000  |       |
|                        | 087  | 000   | 2    | 999  | 9   | Thurston          |    | 173  | 6   | 0000  |       |
|                        | 088  | 000   | 2    | 999  | 9   | Valley            |    | 175  | 6   | 0000  |       |
|                        | 089  | 206   | 1    | 999  | 9   | Washington        |    | 177  | 6   | 5920  |       |
|                        | 090  | 000   | 2    | 999  | 9   | Wayne             |    | 179  | 6   | 0000  |       |
|                        | 091  | 000   | 2    | 999  | 9   | Webster           |    | 181  | 6   | 0000  |       |
|                        | 092  | 000   | 2    | 999  | 9   | Wheeler           |    | 183  | 6   | 0000  |       |
|                        | 093  | 000   | 2    | 999  | 9   | York              |    | 185  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 29                     |      |       |      |      |            | Nevada            | 32 |      |     |       |       |
|                        | 001  | 000   | 2    | 002  | 5          | Carson City city  |    | 510  | 5   | 0000  | 09700 |
|                        | 002  | 000   | 2    | 999  | 9          | Churchill         |    | 001  | 6   | 0000  |       |
|                        | 003  | 159   | 1    |      |            | Clark             |    | 003  | 1   | 4120  |       |
|                        |      |       |      | 001  | 6          | Boulder City      |    |      |     |       | 06500 |
|                        |      |       |      | 004  | 4          | Henderson         |    |      |     |       | 31900 |
|                        |      |       |      | 005  | 2          | Las Vegas         |    |      |     |       | 40000 |
|                        |      |       |      | 006  | 5          | North Las Vegas   |    |      |     |       | 51800 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Douglas           |    | 005  | 5   | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Elko              |    | 007  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6          | Elko              |    |      |     |       | 22500 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 006  | 000   | 2    | 999  | 9          | Esmeralda         |    | 009  | 6   | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9          | Eureka            |    | 011  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9          | Humboldt          |    | 013  | 6   | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9          | Lander            |    | 015  | 6   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Lincoln           |    | 017  | 6   | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Lyon              |    | 019  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Mineral           |    | 021  | 6   | 0000  |       |
|                        | 013  | 159   | 1    | 999  | 9          | Nye               |    | 023  | 6   | 4120  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Pershing          |    | 027  | 6   | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9          | Storey            |    | 029  | 6   | 0000  |       |
|                        | 016  | 230   | 1    |      |            | Washoe            |    | 031  | 2   | 6720  |       |
|                        |      |       |      | 007  | 3          | Reno              |    |      |     |       | 60600 |
|                        |      |       |      | 008  | 4          | Sparks            |    |      |     |       | 68400 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 017  | 000   | 2    | 999  | 9          | White Pine        |    | 033  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 30                     |      |       |      |      |     | New Hampshire     | 33 |      |     |       |       |
|                        | 001  | 000   | 2    |      |     | Belknap           |    | 001  | 5   | 0000  |       |
|                        |      |       |      | 006  | 6   | Laconia           |    |      |     |       | 40180 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9   | Carroll           |    | 003  | 5   | 0000  |       |
|                        | 003  | 000   | 2    |      |     | Cheshire          |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 005  | 6   | Keene             |    |      |     |       | 39300 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |      |     | Coos              |    | 007  | 5   | 0000  |       |
|                        |      |       |      | 001  | 6   | Berlin            |    |      |     |       | 05140 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    |      |     | Grafton           |    | 009  | 4   | 0000  |       |
|                        |      |       |      | 007  | 6   | Lebanon           |    |      |     |       | 41300 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 006  | 037   | 1    |      |     | Hillsborough      |    | 011  | 2   | 1123  |       |
|                        |      |       |      | 008  | 4   | Manchester        |    |      |     |       | 45140 |
|                        |      |       |      | 009  | 4   | Nashua            |    |      |     |       | 50260 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    |      |     | Merrimack         |    | 013  | 3   | 0000  |       |
|                        |      |       |      | 003  | 5   | Concord           |    |      |     |       | 14200 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 008  | 037   | 1    |      |     | Rockingham        |    | 015  | 3   | 1123  |       |
|                        |      |       |      | 010  | 5   | Portsmouth        |    |      |     |       | 62900 |
|                        |      |       |      | 012  | 5   | Salem town        |    |      |     |       | 66660 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 009  | 037   | 1    |      |     | Strafford         |    | 017  | 3   | 1123  |       |
|                        |      |       |      | 004  | 5   | Dover             |    |      |     |       | 18820 |
|                        |      |       |      | 011  | 5   | Rochester         |    |      |     |       | 65140 |
|                        |      |       |      | 013  | 6   | Somersworth       |    |      |     |       | 69940 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    |      |     | Sullivan          |    | 019  | 5   | 0000  |       |
|                        |      |       |      | 002  | 6   | Claremont         |    |      |     |       | 12900 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes                |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|---------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names                | St | Cnty | P/S | P/MSA | Place |
| 31                     |      |       |      |      |     | New Jersey                | 34 |      |     |       |       |
|                        | 001  | 017   | 1    |      |     | Atlantic                  |    | 001  | 3   | 0560  |       |
|                        |      |       |      | 003  | 5   | Atlantic City             |    |      |     |       | 02080 |
|                        |      |       |      | 014  | 6   | Brigantine                |    |      |     |       | 07810 |
|                        |      |       |      | 057  | 6   | Hammonton                 |    |      |     |       | 29430 |
|                        |      |       |      | 130  | 6   | Pleasantville             |    |      |     |       | 59640 |
|                        |      |       |      | 148  | 6   | Somers Point              |    |      |     |       | 68430 |
|                        |      |       |      | 163  | 6   | Ventnor City              |    |      |     |       | 75620 |
|                        |      |       |      | 999  | 9   | Balance of county         |    |      |     |       | 99999 |
|                        | 002  | 028   | 1    |      |     | Bergen                    |    | 003  | 1   | 0875  |       |
|                        |      |       |      | 007  | 6   | Bergenfield borough       |    |      |     |       | 05170 |
|                        |      |       |      | 022  | 6   | Cliffside Park borough    |    |      |     |       | 13570 |
|                        |      |       |      | 031  | 6   | Dumont borough            |    |      |     |       | 18400 |
|                        |      |       |      | 038  | 6   | Elmwood Park borough      |    |      |     |       | 21300 |
|                        |      |       |      | 039  | 6   | Englewood                 |    |      |     |       | 21480 |
|                        |      |       |      | 042  | 5   | Fair Lawn borough         |    |      |     |       | 22470 |
|                        |      |       |      | 043  | 6   | Fairview borough          |    |      |     |       | 22560 |
|                        |      |       |      | 045  | 5   | Fort Lee borough          |    |      |     |       | 24420 |
|                        |      |       |      | 048  | 5   | Garfield                  |    |      |     |       | 25770 |
|                        |      |       |      | 050  | 6   | Glen Rock borough         |    |      |     |       | 26640 |
|                        |      |       |      | 053  | 5   | Hackensack                |    |      |     |       | 28680 |
|                        |      |       |      | 060  | 6   | Hasbrouck Heights borough |    |      |     |       | 30420 |
|                        |      |       |      | 081  | 6   | Lodi borough              |    |      |     |       | 41100 |
|                        |      |       |      | 083  | 6   | Lyndhurst township        |    |      |     |       | 42090 |
|                        |      |       |      | 106  | 6   | New Milford borough       |    |      |     |       | 51660 |
|                        |      |       |      | 108  | 6   | North Arlington borough   |    |      |     |       | 52320 |
|                        |      |       |      | 113  | 6   | Oakland borough           |    |      |     |       | 53850 |
|                        |      |       |      | 117  | 6   | Palisades Park borough    |    |      |     |       | 55770 |
|                        |      |       |      | 118  | 5   | Paramus borough           |    |      |     |       | 55950 |
|                        |      |       |      | 135  | 6   | Ramsey borough            |    |      |     |       | 61680 |
|                        |      |       |      | 137  | 6   | Ridgefield Park village   |    |      |     |       | 62940 |
|                        |      |       |      | 138  | 6   | Ridgewood village         |    |      |     |       | 63000 |
|                        |      |       |      | 140  | 6   | River Edge borough        |    |      |     |       | 63360 |
|                        |      |       |      | 143  | 6   | Rutherford borough        |    |      |     |       | 65280 |
|                        |      |       |      | 144  | 6   | Saddle Brook township     |    |      |     |       | 65340 |
|                        |      |       |      | 156  | 5   | Teaneck township          |    |      |     |       | 72360 |
|                        |      |       |      | 157  | 6   | Tenafly borough           |    |      |     |       | 72420 |
|                        |      |       |      | 167  | 6   | Wallington borough        |    |      |     |       | 76490 |
|                        |      |       |      | 175  | 6   | Westwood borough          |    |      |     |       | 80270 |
|                        |      |       |      | 180  | 6   | Wyckoff township          |    |      |     |       | 83050 |
|                        |      |       |      | 999  | 9   | Balance of county         |    |      |     |       | 99999 |
|                        | 003  | 214   | 1    |      |     | Burlington                |    | 005  | 2   | 6160  |       |
|                        |      |       |      | 019  | 6   | Cinnaminson township      |    |      |     |       | 12940 |
|                        |      |       |      | 026  | 6   | Delran township           |    |      |     |       | 17440 |
|                        |      |       |      | 040  | 5   | Evesham township          |    |      |     |       | 22110 |
|                        |      |       |      | 044  | 6   | Florence township         |    |      |     |       | 23850 |
|                        |      |       |      | 088  | 6   | Maple Shade township      |    |      |     |       | 43740 |
|                        |      |       |      | 098  | 6   | Moorestown township       |    |      |     |       | 47880 |
|                        |      |       |      | 101  | 6   | Mount Holly township      |    |      |     |       | 48900 |
|                        |      |       |      | 102  | 5   | Mount Laurel township     |    |      |     |       | 49020 |
|                        |      |       |      | 122  | 5   | Pemberton township        |    |      |     |       | 57510 |
|                        |      |       |      | 176  | 5   | Willingboro township      |    |      |     |       | 81440 |
|                        |      |       |      | 999  | 9   | Balance of county         |    |      |     |       | 99999 |
|                        | 004  | 214   | 1    |      |     | Camden                    |    | 007  | 1   | 6160  |       |
|                        |      |       |      | 006  | 6   | Bellmawr borough          |    |      |     |       | 04750 |
|                        |      |       |      | 015  | 4   | Camden                    |    |      |     |       | 10000 |
|                        |      |       |      | 018  | 4   | Cherry Hill township      |    |      |     |       | 12280 |
|                        |      |       |      | 024  | 6   | Collingswood borough      |    |      |     |       | 14260 |
|                        |      |       |      | 051  | 6   | Gloucester City           |    |      |     |       | 26820 |
|                        |      |       |      | 052  | 4   | Gloucester township       |    |      |     |       | 26760 |
|                        |      |       |      | 054  | 6   | Haddonfield borough       |    |      |     |       | 28770 |
|                        |      |       |      | 055  | 6   | Haddon township           |    |      |     |       | 28740 |
|                        |      |       |      | 078  | 6   | Lindenwold borough        |    |      |     |       | 40440 |
|                        |      |       |      | 123  | 5   | Pennsauken township       |    |      |     |       | 57660 |
|                        |      |       |      | 166  | 6   | Voorhees township         |    |      |     |       | 76220 |
|                        |      |       |      | 177  | 5   | Winslow township          |    |      |     |       | 81740 |
|                        |      |       |      | 999  | 9   | Balance of county         |    |      |     |       | 99999 |
|                        | 005  | 017   | 1    |      |     | Cape May                  |    | 009  | 4   | 0560  |       |
|                        |      |       |      | 114  | 6   | Ocean City                |    |      |     |       | 54360 |
|                        |      |       |      | 999  | 9   | Balance of county         |    |      |     |       | 99999 |
|                        | 006  | 293   | 1    |      |     | Cumberland                |    | 011  | 3   | 8760  |       |
|                        |      |       |      | 012  | 6   | Bridgeton                 |    |      |     |       | 07600 |
|                        |      |       |      | 095  | 5   | Millville                 |    |      |     |       | 46680 |
|                        |      |       |      | 165  | 4   | Vineland                  |    |      |     |       | 76070 |
|                        |      |       |      | 999  | 9   | Balance of county         |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                               |    |      |     |       |       |
|------------------------|------|-------|------|------------|-----|-------------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names                    | St | Cnty | P/S | P/MSA | Place |
| 31                     |      |       |      |            |     | New Jersey                    | 34 |      |     |       |       |
|                        | 007  | 198   | 1    |            |     | Essex                         |    | 013  | 1   | 5640  |       |
|                        |      |       |      | 005        | 5   | Belleville township           |    |      |     |       | 04690 |
|                        |      |       |      | 010        | 5   | Bloomfield township           |    |      |     |       | 06250 |
|                        |      |       |      | 017        | 6   | Cedar Grove township          |    |      |     |       | 11230 |
|                        |      |       |      | 033        | 4   | East Orange                   |    |      |     |       | 19390 |
|                        |      |       |      | 069        | 4   | Irvington township            |    |      |     |       | 34430 |
|                        |      |       |      | 080        | 5   | Livingston township           |    |      |     |       | 40920 |
|                        |      |       |      | 089        | 6   | Maplewood township            |    |      |     |       | 43830 |
|                        |      |       |      | 094        | 6   | Millburn township             |    |      |     |       | 46410 |
|                        |      |       |      | 097        | 5   | Montclair township            |    |      |     |       | 47485 |
|                        |      |       |      | 104        | 2   | Newark                        |    |      |     |       | 51000 |
|                        |      |       |      | 112        | 5   | Nutley township               |    |      |     |       | 53670 |
|                        |      |       |      | 151        | 6   | South Orange Village township |    |      |     |       | 69274 |
|                        |      |       |      | 164        | 6   | Verona township               |    |      |     |       | 75800 |
|                        |      |       |      | 999        | 9   | Balance of county             |    |      |     |       | 99999 |
|                        |      |       |      | 999        | 9   | Balance of county             |    |      |     |       | 99999 |
|                        | 008  | 214   | 1    |            |     | Gloucester                    |    | 015  | 3   | 6160  |       |
|                        |      |       |      | 028        | 6   | Deptford township             |    |      |     |       | 17710 |
|                        |      |       |      | 049        | 6   | Glassboro borough             |    |      |     |       | 26340 |
|                        |      |       |      | 096        | 5   | Monroe township               |    |      |     |       | 47250 |
|                        |      |       |      | 168        | 5   | Washington township           |    |      |     |       | 77180 |
|                        |      |       |      | 171        | 6   | West Deptford township        |    |      |     |       | 78800 |
|                        |      |       |      | 179        | 6   | Woodbury                      |    |      |     |       | 82120 |
|                        |      |       |      | 999        | 9   | Balance of county             |    |      |     |       | 99999 |
|                        | 009  | 139   | 1    |            |     | Hudson                        |    | 017  | 1   | 3640  |       |
|                        |      |       |      | 004        | 4   | Bayonne                       |    |      |     |       | 03580 |
|                        |      |       |      | 059        | 6   | Harrison                      |    |      |     |       | 30210 |
|                        |      |       |      | 066        | 5   | Hoboken                       |    |      |     |       | 32250 |
|                        |      |       |      | 071        | 3   | Jersey City                   |    |      |     |       | 36000 |
|                        |      |       |      | 073        | 5   | Kearny                        |    |      |     |       | 36510 |
|                        |      |       |      | 109        | 5   | North Bergen township         |    |      |     |       | 52440 |
|                        |      |       |      | 147        | 6   | Secaucus                      |    |      |     |       | 66570 |
|                        |      |       |      | 161        | 4   | Union City                    |    |      |     |       | 74630 |
|                        |      |       |      | 170        | 6   | Weehawken township            |    |      |     |       | 77960 |
|                        |      |       |      | 173        | 5   | West New York                 |    |      |     |       | 79610 |
|                        |      |       |      | 999        | 9   | Balance of county             |    |      |     |       | 99999 |
|                        | 010  | 181   | 1    | 999        | 9   | Hunterdon                     |    | 019  | 3   | 5015  |       |
|                        | 011  | 284   | 1    |            |     | Mercer                        |    | 021  | 2   | 8480  |       |
|                        |      |       |      | 034        | 6   | East Windsor township         |    |      |     |       | 19780 |
|                        |      |       |      | 041        | 5   | Ewing township                |    |      |     |       | 22180 |
|                        |      |       |      | 056        | 4   | Hamilton township             |    |      |     |       | 29310 |
|                        |      |       |      | 075        | 5   | Lawrence township             |    |      |     |       | 39510 |
|                        |      |       |      | 133        | 6   | Princeton borough             |    |      |     |       | 60900 |
|                        |      |       |      | 160        | 4   | Trenton                       |    |      |     |       | 74000 |
|                        |      |       |      | 999        | 9   | Balance of county             |    |      |     |       | 99999 |
|                        | 012  | 181   | 1    |            |     | Middlesex                     |    | 023  | 1   | 5015  |       |
|                        |      |       |      | 016        | 6   | Carteret borough              |    |      |     |       | 10750 |
|                        |      |       |      | 032        | 5   | East Brunswick township       |    |      |     |       | 18970 |
|                        |      |       |      | 036        | 4   | Edison township               |    |      |     |       | 20260 |
|                        |      |       |      | 063        | 6   | Highland Park borough         |    |      |     |       | 31470 |
|                        |      |       |      | 091        | 6   | Metuchen borough              |    |      |     |       | 45690 |
|                        |      |       |      | 092        | 6   | Middlesex borough             |    |      |     |       | 45900 |
|                        |      |       |      | 105        | 5   | New Brunswick                 |    |      |     |       | 51210 |
|                        |      |       |      | 110        | 5   | North Brunswick township      |    |      |     |       | 52590 |
|                        |      |       |      | 116        | 4   | Old Bridge township           |    |      |     |       | 54705 |
|                        |      |       |      | 125        | 5   | Perth Amboy                   |    |      |     |       | 58200 |
|                        |      |       |      | 127        | 5   | Piscataway township           |    |      |     |       | 58980 |
|                        |      |       |      | 129        | 6   | Plainsboro township           |    |      |     |       | 59280 |
|                        |      |       |      | 145        | 5   | Sayreville borough            |    |      |     |       | 65790 |
|                        |      |       |      | 150        | 5   | South Brunswick township      |    |      |     |       | 68790 |
|                        |      |       |      | 152        | 6   | South Plainfield borough      |    |      |     |       | 69390 |
|                        |      |       |      | 153        | 6   | South River borough           |    |      |     |       | 69420 |
|                        |      |       |      | 178        | 6   | Woodbridge township           |    |      |     |       | 81950 |
|                        |      |       |      | 999        | 9   | Balance of county             |    |      |     |       | 99999 |
|                        | 013  | 186   | 1    |            |     | Monmouth                      |    | 025  | 1   | 5190  |       |
|                        |      |       |      | 001        | 6   | Aberdeen township             |    |      |     |       | 00070 |
|                        |      |       |      | 002        | 6   | Asbury Park                   |    |      |     |       | 01960 |
|                        |      |       |      | 035        | 6   | Eatontown borough             |    |      |     |       | 19840 |
|                        |      |       |      | 047        | 6   | Freehold borough              |    |      |     |       | 25200 |
|                        |      |       |      | 062        | 6   | Hazlet township               |    |      |     |       | 30690 |
|                        |      |       |      | 068        | 5   | Howell township               |    |      |     |       | 33300 |
|                        |      |       |      | 072        | 6   | Keansburg borough             |    |      |     |       | 36480 |
|                        |      |       |      | 082        | 5   | Long Branch                   |    |      |     |       | 41310 |
|                        |      |       |      | 085        | 5   | Manalapan township            |    |      |     |       | 42990 |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                                |            |
|------------------------|------|-------|------|------------|-----|--------------------------------|------------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names                     | Place      |
| 31                     |      |       |      |            |     | New Jersey                     | 34         |
|                        | 013  |       |      |            |     | Monmouth, con.                 | 025 1 5190 |
|                        |      |       |      | 090        | 5   | Marlboro township              | 44070      |
|                        |      |       |      | 093        | 4   | Middletown township            | 45990      |
|                        |      |       |      | 103        | 5   | Neptune township               | 49890      |
|                        |      |       |      | 115        | 5   | Ocean township                 | 54270      |
|                        |      |       |      | 136        | 6   | Red Bank borough               | 62430      |
|                        |      |       |      | 158        | 6   | Tinton Falls borough           | 73020      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 014  | 198   | 1    |            |     | Morris                         | 027 2 5640 |
|                        |      |       |      | 027        | 6   | Denville township              | 17650      |
|                        |      |       |      | 029        | 6   | Dover                          | 18070      |
|                        |      |       |      | 058        | 6   | Hanover township               | 29655      |
|                        |      |       |      | 076        | 6   | Lincoln Park borough           | 40290      |
|                        |      |       |      | 084        | 6   | Madison borough                | 42510      |
|                        |      |       |      | 099        | 6   | Morristown                     | 48300      |
|                        |      |       |      | 100        | 6   | Morris township                | 48090      |
|                        |      |       |      | 119        | 5   | Parsippany-Troy Hills township | 56475      |
|                        |      |       |      | 124        | 6   | Pequannock township            | 58125      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 015  | 186   | 1    |            |     | Ocean                          | 029 2 5190 |
|                        |      |       |      | 009        | 5   | Berkeley township              | 05300      |
|                        |      |       |      | 011        | 4   | Brick township                 | 07520      |
|                        |      |       |      | 030        | 4   | Dover township                 | 18130      |
|                        |      |       |      | 070        | 5   | Jackson township               | 34680      |
|                        |      |       |      | 074        | 5   | Lakewood township              | 38550      |
|                        |      |       |      | 086        | 5   | Manchester township            | 43140      |
|                        |      |       |      | 131        | 6   | Point Pleasant borough         | 59880      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 016  | 028   | 1    |            |     | Passaic                        | 031 2 0875 |
|                        |      |       |      | 023        | 4   | Clifton                        | 13690      |
|                        |      |       |      | 061        | 6   | Hawthorne borough              | 30570      |
|                        |      |       |      | 079        | 6   | Little Falls township          | 40650      |
|                        |      |       |      | 120        | 4   | Passaic                        | 56550      |
|                        |      |       |      | 121        | 3   | Paterson                       | 57000      |
|                        |      |       |      | 132        | 6   | Pompton Lakes borough          | 60090      |
|                        |      |       |      | 139        | 6   | Ringwood borough               | 63150      |
|                        |      |       |      | 159        | 6   | Totowa borough                 | 73140      |
|                        |      |       |      | 169        | 5   | Wayne township                 | 77870      |
|                        |      |       |      | 174        | 6   | West Paterson borough          | 79820      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 017  | 214   | 1    |            |     | Salem                          | 033 4 6160 |
|                        | 018  | 181   | 1    |            |     | Somerset                       | 035 3 5015 |
|                        |      |       |      | 013        | 5   | Bridgewater township           | 07720      |
|                        |      |       |      | 046        | 5   | Franklin township              | 24900      |
|                        |      |       |      | 064        | 5   | Hillsborough township          | 31890      |
|                        |      |       |      | 087        | 6   | Manville borough               | 43620      |
|                        |      |       |      | 111        | 6   | North Plainfield borough       | 53280      |
|                        |      |       |      | 149        | 6   | Somerville borough             | 68460      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 019  | 198   | 1    |            |     | Sussex                         | 037 3 5640 |
|                        |      |       |      | 067        | 6   | Hopatcong borough              | 32910      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 020  | 198   | 1    |            |     | Union                          | 039 2 5640 |
|                        |      |       |      | 008        | 6   | Berkeley Heights township      | 05350      |
|                        |      |       |      | 021        | 6   | Clark township                 | 13180      |
|                        |      |       |      | 025        | 6   | Cranford township              | 15670      |
|                        |      |       |      | 037        | 3   | Elizabeth                      | 21000      |
|                        |      |       |      | 065        | 6   | Hillside township              | 32010      |
|                        |      |       |      | 077        | 5   | Linden                         | 40350      |
|                        |      |       |      | 107        | 6   | New Providence borough         | 51810      |
|                        |      |       |      | 128        | 5   | Plainfield                     | 59190      |
|                        |      |       |      | 134        | 5   | Rahway                         | 61530      |
|                        |      |       |      | 141        | 6   | Roselle borough                | 64620      |
|                        |      |       |      | 142        | 6   | Roselle Park borough           | 64650      |
|                        |      |       |      | 146        | 6   | Scotch Plains township         | 66090      |
|                        |      |       |      | 154        | 6   | Springfield township           | 70050      |
|                        |      |       |      | 155        | 6   | Summit                         | 71430      |
|                        |      |       |      | 162        | 4   | Union township                 | 74510      |
|                        |      |       |      | 172        | 5   | Westfield                      | 79040      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |
|                        | 021  | 198   | 1    |            |     | Warren                         | 041 4 5640 |
|                        |      |       |      | 126        | 6   | Phillipsburg                   | 58350      |
|                        |      |       |      | 999        | 9   | Balance of county              | 99999      |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 32                     |      |       |      |      |            | New Mexico        | 35 |      |     |       |       |
|                        | 001  | 005   | 1    |      |            | Bernalillo        |    | 001  | 2   | 0200  |       |
|                        |      |       |      | 002  | 2          | Albuquerque       |    |      |     |       | 02000 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9          | Catron            |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    |      |            | Chaves            |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 014  | 5          | Roswell           |    |      |     |       | 64930 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Cibola            |    | 006  | 6   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Colfax            |    | 007  | 6   | 0000  |       |
|                        | 006  | 000   | 2    |      |            | Curry             |    | 009  | 5   | 0000  |       |
|                        |      |       |      | 005  | 5          | Clovis            |    |      |     |       | 16420 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999  | 9          | De Baca           |    | 011  | 6   | 0000  |       |
|                        | 008  | 158   | 1    |      |            | Dona Ana          |    | 013  | 3   | 4100  |       |
|                        |      |       |      | 010  | 4          | Las Cruces        |    |      |     |       | 39380 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 009  | 000   | 2    |      |            | Eddy              |    | 015  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6          | Artesia           |    |      |     |       | 05220 |
|                        |      |       |      | 004  | 6          | Carlsbad          |    |      |     |       | 12150 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    |      |            | Grant             |    | 017  | 5   | 0000  |       |
|                        |      |       |      | 016  | 6          | Silver City       |    |      |     |       | 73260 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 011  | 000   | 2    | 999  | 9          | Guadalupe         |    | 019  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Harding           |    | 021  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Hidalgo           |    | 023  | 6   | 0000  |       |
|                        | 014  | 000   | 2    |      |            | Lea               |    | 025  | 4   | 0000  |       |
|                        |      |       |      | 009  | 5          | Hobbs             |    |      |     |       | 32520 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9          | Lincoln           |    | 027  | 6   | 0000  |       |
|                        | 016  | 255   | 1    | 999  | 9          | Los Alamos        |    | 028  | 6   | 7490  |       |
|                        | 017  | 000   | 2    |      |            | Luna              |    | 029  | 6   | 0000  |       |
|                        |      |       |      | 006  | 6          | Deming            |    |      |     |       | 20270 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    |      |            | McKinley          |    | 031  | 4   | 0000  |       |
|                        |      |       |      | 008  | 6          | Gallup            |    |      |     |       | 28460 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    | 999  | 9          | Mora              |    | 033  | 6   | 0000  |       |
|                        | 020  | 000   | 2    |      |            | Otero             |    | 035  | 4   | 0000  |       |
|                        |      |       |      | 001  | 5          | Alamogordo        |    |      |     |       | 01780 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 021  | 000   | 2    | 999  | 9          | Quay              |    | 037  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Rio Arriba        |    | 039  | 5   | 0000  |       |
|                        | 023  | 000   | 2    |      |            | Roosevelt         |    | 041  | 6   | 0000  |       |
|                        |      |       |      | 012  | 6          | Portales          |    |      |     |       | 59260 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 024  | 005   | 1    |      |            | Sandoval          |    | 043  | 4   | 0200  |       |
|                        |      |       |      | 013  | 5          | Rio Rancho        |    |      |     |       | 63530 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 025  | 000   | 2    |      |            | San Juan          |    | 045  | 4   | 0000  |       |
|                        |      |       |      | 007  | 5          | Farmington        |    |      |     |       | 25800 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 026  | 000   | 2    |      |            | San Miguel        |    | 047  | 5   | 0000  |       |
|                        |      |       |      | 011  | 6          | Las Vegas         |    |      |     |       | 39940 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 027  | 255   | 1    |      |            | Santa Fe          |    | 049  | 4   | 7490  |       |
|                        |      |       |      | 015  | 4          | Santa Fe          |    |      |     |       | 70500 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 028  | 000   | 2    | 999  | 9          | Sierra            |    | 051  | 6   | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Socorro           |    | 053  | 6   | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Taos              |    | 055  | 6   | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Torrance          |    | 057  | 6   | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9          | Union             |    | 059  | 6   | 0000  |       |
|                        | 033  | 005   | 1    | 999  | 9          | Valencia          |    | 061  | 5   | 0200  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 33                     |      |       |      |      |            | New York             | 36 |      |     |       |       |
|                        | 001  | 004   | 1    |      |            | Albany               |    | 001  | 2   | 0160  |       |
|                        |      |       |      | 001  | 3          | Albany               |    |      |     |       | 01000 |
|                        |      |       |      | 007  | 5          | Bethlehem town       |    |      |     |       | 06354 |
|                        |      |       |      | 017  | 6          | Cohoes               |    |      |     |       | 16749 |
|                        |      |       |      | 097  | 6          | Watervliet           |    |      |     |       | 78674 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9          | Allegany             |    | 003  | 4   | 0000  |       |
|                        | 003  | 031   | 1    |      |            | Broome               |    | 007  | 3   | 0960  |       |
|                        |      |       |      | 008  | 4          | Binghamton           |    |      |     |       | 06607 |
|                        |      |       |      | 024  | 6          | Endicott village     |    |      |     |       | 24515 |
|                        |      |       |      | 043  | 6          | Johnson City village |    |      |     |       | 38748 |
|                        |      |       |      | 095  | 5          | Vestal town          |    |      |     |       | 77255 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |      |            | Cattaraugus          |    | 009  | 4   | 0000  |       |
|                        |      |       |      | 065  | 6          | Olean                |    |      |     |       | 54716 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 005  | 276   | 1    |      |            | Cayuga               |    | 011  | 4   | 8160  |       |
|                        |      |       |      | 003  | 5          | Auburn               |    |      |     |       | 03078 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 006  | 137   | 1    |      |            | Chautauqua           |    | 013  | 3   | 3610  |       |
|                        |      |       |      | 021  | 6          | Dunkirk              |    |      |     |       | 21105 |
|                        |      |       |      | 026  | 6          | Fredonia village     |    |      |     |       | 27419 |
|                        |      |       |      | 042  | 5          | Jamestown            |    |      |     |       | 38264 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 007  | 085   | 1    |      |            | Chemung              |    | 015  | 4   | 2335  |       |
|                        |      |       |      | 023  | 5          | Elmira               |    |      |     |       | 24229 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 008  | 000   | 2    | 999  | 9          | Chenango             |    | 017  | 4   | 0000  |       |
|                        | 009  | 000   | 2    |      |            | Clinton              |    | 019  | 4   | 0000  |       |
|                        |      |       |      | 073  | 6          | Plattsburgh          |    |      |     |       | 58574 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    | 999  | 9          | Columbia             |    | 021  | 4   | 0000  |       |
|                        | 011  | 000   | 2    |      |            | Cortland             |    | 023  | 5   | 0000  |       |
|                        |      |       |      | 019  | 6          | Cortland             |    |      |     |       | 18388 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Delaware             |    | 025  | 5   | 0000  |       |
|                        | 013  | 081   | 1    |      |            | Dutchess             |    | 027  | 2   | 2281  |       |
|                        |      |       |      | 006  | 6          | Beacon               |    |      |     |       | 05100 |
|                        |      |       |      | 076  | 5          | Poughkeepsie         |    |      |     |       | 59641 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 014  | 043   | 1    |      |            | Erie                 |    | 029  | 1   | 1280  |       |
|                        |      |       |      | 012  | 2          | Buffalo              |    |      |     |       | 11000 |
|                        |      |       |      | 020  | 6          | Depew village        |    |      |     |       | 20313 |
|                        |      |       |      | 036  | 6          | Hamburg village      |    |      |     |       | 31643 |
|                        |      |       |      | 044  | 6          | Kenmore village      |    |      |     |       | 39232 |
|                        |      |       |      | 046  | 6          | Lackawanna           |    |      |     |       | 40189 |
|                        |      |       |      | 047  | 6          | Lancaster village    |    |      |     |       | 41135 |
|                        |      |       |      | 091  | 6          | Tonawanda            |    |      |     |       | 74166 |
|                        |      |       |      | 099  | 5          | West Seneca town     |    |      |     |       | 80918 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9          | Essex                |    | 031  | 5   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Franklin             |    | 033  | 5   | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Fulton               |    | 035  | 4   | 0000  |       |
|                        |      |       |      | 034  | 6          | Gloversville         |    |      |     |       | 29443 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 018  | 236   | 1    |      |            | Genesee              |    | 037  | 4   | 6840  |       |
|                        |      |       |      | 005  | 6          | Batavia              |    |      |     |       | 04715 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    | 999  | 9          | Greene               |    | 039  | 5   | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Hamilton             |    | 041  | 6   | 0000  |       |
|                        | 021  | 289   | 1    | 999  | 9          | Herkimer             |    | 043  | 4   | 8680  |       |
|                        | 022  | 000   | 2    |      |            | Jefferson            |    | 045  | 3   | 0000  |       |
|                        |      |       |      | 096  | 5          | Watertown            |    |      |     |       | 78608 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 023  | 000   | 2    | 999  | 9          | Lewis                |    | 049  | 5   | 0000  |       |
|                        | 024  | 236   | 1    | 999  | 9          | Livingston           |    | 051  | 4   | 6840  |       |
|                        | 025  | 276   | 1    |      |            | Madison              |    | 053  | 4   | 8160  |       |
|                        |      |       |      | 066  | 6          | Oneida               |    |      |     |       | 54837 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 026  | 236   | 1    |      |            | Monroe               |    | 055  | 1   | 6840  |       |
|                        |      |       |      | 009  | 5          | Brighton town        |    |      |     |       | 08246 |
|                        |      |       |      | 015  | 5          | Chili town           |    |      |     |       | 15462 |
|                        |      |       |      | 030  | 5          | Gates town           |    |      |     |       | 28442 |
|                        |      |       |      | 035  | 4          | Greece town          |    |      |     |       | 30290 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes                             |     |      |     |       |       |
|------------------------|------|-------|------|------|-----|--|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names                             | St  | Cnty | P/S | P/MSA | Place |
| 33                     |      |       |      |      |     | New York                               | 36  |      |     |       |       |
|                        | 026  |       |      |      |     | Monroe, con.                           | 055 | 1    |     | 6840  |       |
|                        |      |       |      | 039  | 5   | Henrietta town                         |     |      |     |       | 34099 |
|                        |      |       |      | 040  | 4   | Irondequoit town                       |     |      |     |       | 37726 |
|                        |      |       |      | 072  | 5   | Penfield town                          |     |      |     |       | 57144 |
|                        |      |       |      | 078  | 3   | Rochester                              |     |      |     |       | 63000 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 027  | 004   | 1    |      |     | Montgomery                             | 057 | 4    |     | 0160  |       |
|                        |      |       |      | 002  | 6   | Amsterdam                              |     |      |     |       | 02066 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 028  | 193   | 1    |      |     | Nassau                                 | 059 | 0    |     | 5380  |       |
|                        |      |       |      | 022  | 6   | East Rockaway village                  |     |      |     |       | 22876 |
|                        |      |       |      | 025  | 6   | Floral Park village                    |     |      |     |       | 26264 |
|                        |      |       |      | 027  | 5   | Freeport village                       |     |      |     |       | 27485 |
|                        |      |       |      | 029  | 6   | Garden City village                    |     |      |     |       | 28178 |
|                        |      |       |      | 032  | 6   | Glen Cove                              |     |      |     |       | 29113 |
|                        |      |       |      | 038  | 5   | Hempstead village                      |     |      |     |       | 33139 |
|                        |      |       |      | 050  | 5   | Long Beach                             |     |      |     |       | 43335 |
|                        |      |       |      | 051  | 6   | Lynbrook village                       |     |      |     |       | 43874 |
|                        |      |       |      | 054  | 6   | Massapequa Park village                |     |      |     |       | 45997 |
|                        |      |       |      | 057  | 6   | Mineola village                        |     |      |     |       | 47636 |
|                        |      |       |      | 079  | 6   | Rockville Centre village               |     |      |     |       | 63264 |
|                        |      |       |      | 094  | 5   | Valley Stream village                  |     |      |     |       | 76705 |
|                        |      |       |      | 098  | 6   | Westbury village                       |     |      |     |       | 79444 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 029  | 197   | 1    |      |     | New York city                          |     |      |     | 5600  | 51000 |
|                        |      |       |      | 010  | 0   | Bronx borough, Bronx county            | 005 | 0    |     |       |       |
|                        |      |       |      | 011  | 0   | Brooklyn borough, Kings county         | 047 | 0    |     |       |       |
|                        |      |       |      | 053  | 0   | Manhattan borough, New York county     | 061 | 0    |     |       |       |
|                        |      |       |      | 077  | 0   | Queens borough, Queens county          | 081 | 0    |     |       |       |
|                        |      |       |      | 087  | 0   | Staten Island borough, Richmond county | 085 | 0    |     |       |       |
|                        | 030  | 043   | 1    |      |     | Niagara                                | 063 | 3    |     | 1280  |       |
|                        |      |       |      | 049  | 6   | Lockport                               |     |      |     |       | 43082 |
|                        |      |       |      | 061  | 4   | Niagara Falls                          |     |      |     |       | 51055 |
|                        |      |       |      | 063  | 5   | North Tonawanda                        |     |      |     |       | 53682 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 031  | 289   | 1    |      |     | Oneida                                 | 065 | 2    |     | 8680  |       |
|                        |      |       |      | 080  | 5   | Rome                                   |     |      |     |       | 63418 |
|                        |      |       |      | 093  | 4   | Utica                                  |     |      |     |       | 76540 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 032  | 276   | 1    |      |     | Onondaga                               | 067 | 2    |     | 8160  |       |
|                        |      |       |      | 089  | 3   | Syracuse                               |     |      |     |       | 73000 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 033  | 236   | 1    |      |     | Ontario                                | 069 | 4    |     | 6840  |       |
|                        |      |       |      | 013  | 6   | Canandaigua                            |     |      |     |       | 12144 |
|                        |      |       |      | 031  | 6   | Geneva, part                           |     |      |     |       | 28640 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 034  | 199   | 1    |      |     | Orange                                 | 071 | 2    |     | 5660  |       |
|                        |      |       |      | 056  | 6   | Middletown                             |     |      |     |       | 47042 |
|                        |      |       |      | 059  | 5   | Newburgh                               |     |      |     |       | 50034 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 035  | 236   | 1    |      |     | Orleans                                | 073 | 5    |     | 6840  |       |
|                        | 036  | 276   | 1    |      |     | Oswego                                 | 075 | 3    |     | 8160  |       |
|                        |      |       |      | 028  | 6   | Fulton                                 |     |      |     |       | 27815 |
|                        |      |       |      | 069  | 6   | Oswego                                 |     |      |     |       | 55574 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 037  | 000   | 2    |      |     | Otsego                                 | 077 | 4    |     | 0000  |       |
|                        |      |       |      | 067  | 6   | Oneonta                                |     |      |     |       | 54881 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 038  | 197   | 1    |      |     | Putnam                                 | 079 | 4    |     | 5600  |       |
|                        |      |       |      | 014  | 5   | Carmel town                            |     |      |     |       | 12529 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 039  | 004   | 1    |      |     | Rensselaer                             | 083 | 3    |     | 0160  |       |
|                        |      |       |      | 092  | 4   | Troy                                   |     |      |     |       | 75484 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 040  | 197   | 1    |      |     | Rockland                               | 087 | 2    |     | 5600  |       |
|                        |      |       |      | 086  | 6   | Spring Valley village                  |     |      |     |       | 70420 |
|                        |      |       |      | 088  | 6   | Suffern village                        |     |      |     |       | 71894 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 041  | 000   | 2    |      |     | St. Lawrence                           | 089 | 3    |     | 0000  |       |
|                        |      |       |      | 055  | 6   | Massena village                        |     |      |     |       | 46019 |
|                        |      |       |      | 064  | 6   | Ogdensburg                             |     |      |     |       | 54485 |
|                        |      |       |      | 075  | 6   | Potsdam village                        |     |      |     |       | 59564 |
|                        |      |       |      | 999  | 9   | Balance of county                      |     |      |     |       | 99999 |
|                        | 042  | 004   | 1    |      |     | Saratoga                               | 091 | 3    |     | 0160  |       |
|                        |      |       |      | 016  | 5   | Clifton Park town                      |     |      |     |       | 16353 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|----------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St  | Cnty | P/S  | P/MSA | Place |
| 33                     |      |       |      |      |            | New York             | 36  |      |      |       |       |
| 042                    |      |       |      | 083  | 5          | Saratoga, con.       | 091 | 3    | 0160 |       | 65255 |
|                        |      |       |      | 999  | 9          | Saratoga Springs     |     |      |      |       | 99999 |
| 043                    | 004  | 1     |      |      |            | Balance of county    |     |      |      |       |       |
|                        |      |       |      | 062  | 6          | Schenectady          | 093 | 3    | 0160 |       | 51264 |
|                        |      |       |      | 081  | 5          | Niskayuna town       |     |      |      |       | 63935 |
|                        |      |       |      | 085  | 4          | Rotterdam town       |     |      |      |       | 65508 |
|                        |      |       |      | 999  | 9          | Schenectady          |     |      |      |       | 99999 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       |       |
| 044                    | 004  | 1     |      | 999  | 9          | Schoharie            | 095 | 5    | 0160 |       |       |
| 045                    | 000  | 2     |      | 999  | 9          | Schuyler             | 097 | 6    | 0000 |       |       |
| 046                    | 000  | 2     |      |      |            | Seneca               | 099 | 5    | 0000 |       |       |
|                        |      |       |      | 031  | 6          | Geneva, part         |     |      |      |       | 28640 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 047                    | 000  | 2     |      |      |            | Steuben              | 101 | 4    | 0000 |       |       |
|                        |      |       |      | 018  | 6          | Corning              |     |      |      |       | 18256 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 048                    | 193  | 1     |      |      |            | Suffolk              | 103 | 0    | 5380 |       |       |
|                        |      |       |      | 004  | 6          | Babylon village      |     |      |      |       | 03408 |
|                        |      |       |      | 048  | 5          | Lindenhurst village  |     |      |      |       | 42554 |
|                        |      |       |      | 070  | 6          | Patchogue village    |     |      |      |       | 56660 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 049                    | 000  | 2     |      | 999  | 9          | Sullivan             | 105 | 4    | 0000 |       |       |
| 050                    | 031  | 1     |      | 999  | 9          | Tioga                | 107 | 4    | 0960 |       |       |
| 051                    | 000  | 2     |      |      |            | Tompkins             | 109 | 4    | 0000 |       |       |
|                        |      |       |      | 041  | 5          | Ithaca               |     |      |      |       | 38077 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 052                    | 000  | 2     |      |      |            | Ulster               | 111 | 3    | 0000 |       |       |
|                        |      |       |      | 045  | 6          | Kingston             |     |      |      |       | 39727 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 053                    | 109  | 1     |      |      |            | Warren               | 113 | 4    | 2975 |       |       |
|                        |      |       |      | 033  | 6          | Glens Falls          |     |      |      |       | 29333 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 054                    | 109  | 1     |      | 999  | 9          | Washington           | 115 | 4    | 2975 |       |       |
| 055                    | 236  | 1     |      | 999  | 9          | Wayne                | 117 | 4    | 6840 |       |       |
| 056                    | 197  | 1     |      |      |            | Westchester          | 119 | 1    | 5600 |       |       |
|                        |      |       |      | 037  | 6          | Harrison village     |     |      |      |       | 32402 |
|                        |      |       |      | 052  | 6          | Mamaroneck village   |     |      |      |       | 44831 |
|                        |      |       |      | 058  | 4          | Mount Vernon         |     |      |      |       | 49121 |
|                        |      |       |      | 060  | 4          | New Rochelle         |     |      |      |       | 50617 |
|                        |      |       |      | 068  | 6          | Ossining village     |     |      |      |       | 55530 |
|                        |      |       |      | 071  | 6          | Peekskill            |     |      |      |       | 56979 |
|                        |      |       |      | 074  | 6          | Port Chester village |     |      |      |       | 59223 |
|                        |      |       |      | 082  | 6          | Rye                  |     |      |      |       | 64309 |
|                        |      |       |      | 084  | 6          | Scarsdale village    |     |      |      |       | 65431 |
|                        |      |       |      | 090  | 6          | Tarrytown village    |     |      |      |       | 73176 |
|                        |      |       |      | 100  | 5          | White Plains         |     |      |      |       | 81677 |
|                        |      |       |      | 101  | 3          | Yonkers              |     |      |      |       | 84000 |
|                        |      |       |      | 102  | 5          | Yorktown town        |     |      |      |       | 84077 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 057                    | 000  | 2     |      | 999  | 9          | Wyoming              | 121 | 5    | 0000 |       |       |
| 058                    | 000  | 2     |      | 999  | 9          | Yates                | 123 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St  | Cnty | P/S | P/MSA | Place |
| 34                     |      |       |      |      |            | North Carolina       | 37  |      |     |       |       |
|                        | 001  | 116   | 1    |      |            | Alamance             | 001 | 3    |     | 3120  |       |
|                        |      |       |      | 005  | 5          | Burlington           |     |      |     |       | 09060 |
|                        |      |       |      | 018  | 6          | Graham               |     |      |     |       | 27280 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 002  | 124   | 1    |      |            | Alexander            | 003 | 5    |     | 3290  |       |
|                        | 003  | 000   | 2    |      |            | Alleghany            | 005 | 6    |     | 0000  |       |
|                        | 004  | 000   | 2    |      |            | Anson                | 007 | 6    |     | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Ashe                 | 009 | 6    |     | 0000  |       |
|                        | 006  | 000   | 2    |      |            | Avery                | 011 | 6    |     | 0000  |       |
|                        | 007  | 000   | 2    |      |            | Beaufort             | 013 | 5    |     | 0000  |       |
|                        | 008  | 000   | 2    |      |            | Bertie               | 015 | 6    |     | 0000  |       |
|                        | 009  | 000   | 2    |      |            | Bladen               | 017 | 5    |     | 0000  |       |
|                        | 010  | 305   | 1    |      |            | Brunswick            | 019 | 4    |     | 9200  |       |
|                        | 011  | 014   | 1    |      |            | Buncombe             | 021 | 3    |     | 0480  |       |
|                        |      |       |      | 003  | 4          | Asheville            |     |      |     |       | 02140 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 012  | 124   | 1    |      |            | Burke                | 023 | 4    |     | 3290  |       |
|                        |      |       |      | 023  | 5          | Hickory, part        |     |      |     |       | 31060 |
|                        |      |       |      | 036  | 6          | Morganton            |     |      |     |       | 44400 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 013  | 051   | 1    |      |            | Cabarrus             | 025 | 4    |     | 1520  |       |
|                        |      |       |      | 010  | 5          | Concord              |     |      |     |       | 14100 |
|                        |      |       |      | 026  | 5          | Kannapolis, part     |     |      |     |       | 35200 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 014  | 124   | 1    |      |            | Caldwell             | 027 | 4    |     | 3290  |       |
|                        |      |       |      | 030  | 6          | Lenoir               |     |      |     |       | 37760 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 015  | 000   | 2    |      |            | Camden               | 029 | 6    |     | 0000  |       |
|                        |      |       |      | 013  | 6          | Elizabeth City, part |     |      |     |       | 20580 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 016  | 000   | 2    |      |            | Carteret             | 031 | 4    |     | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Caswell              | 033 | 6    |     | 0000  |       |
|                        | 018  | 124   | 1    |      |            | Catawba              | 035 | 3    |     | 3290  |       |
|                        |      |       |      | 023  | 5          | Hickory, part        |     |      |     |       | 31060 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 019  | 226   | 1    |      |            | Chatham              | 037 | 5    |     | 6640  |       |
|                        | 020  | 000   | 2    |      |            | Cherokee             | 039 | 6    |     | 0000  |       |
|                        | 021  | 000   | 2    |      |            | Chowan               | 041 | 6    |     | 0000  |       |
|                        | 022  | 000   | 2    |      |            | Clay                 | 043 | 6    |     | 0000  |       |
|                        | 023  | 000   | 2    |      |            | Cleveland            | 045 | 4    |     | 0000  |       |
|                        |      |       |      | 044  | 6          | Shelby               |     |      |     |       | 61200 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 024  | 000   | 2    |      |            | Columbus             | 047 | 5    |     | 0000  |       |
|                        | 025  | 000   | 2    |      |            | Craven               | 049 | 4    |     | 0000  |       |
|                        |      |       |      | 021  | 6          | Havelock             |     |      |     |       | 30120 |
|                        |      |       |      | 037  | 6          | New Bern             |     |      |     |       | 46340 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 026  | 091   | 1    |      |            | Cumberland           | 051 | 2    |     | 2560  |       |
|                        |      |       |      | 014  | 4          | Fayetteville         |     |      |     |       | 22920 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 027  | 200   | 1    |      |            | Currituck            | 053 | 6    |     | 5720  |       |
|                        | 028  | 000   | 2    |      |            | Dare                 | 055 | 6    |     | 0000  |       |
|                        | 029  | 116   | 1    |      |            | Davidson             | 057 | 3    |     | 3120  |       |
|                        |      |       |      | 024  | 4          | High Point, part     |     |      |     |       | 31400 |
|                        |      |       |      | 031  | 6          | Lexington            |     |      |     |       | 38060 |
|                        |      |       |      | 047  | 6          | Thomasville          |     |      |     |       | 67420 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 030  | 116   | 1    |      |            | Davie                | 059 | 5    |     | 3120  |       |
|                        | 031  | 000   | 2    |      |            | Duplin               | 061 | 5    |     | 0000  |       |
|                        | 032  | 226   | 1    |      |            | Durham               | 063 | 3    |     | 6640  |       |
|                        |      |       |      | 008  | 5          | Chapel Hill, part    |     |      |     |       | 11800 |
|                        |      |       |      | 011  | 3          | Durham, part         |     |      |     |       | 19000 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 033  | 238   | 1    |      |            | Edgecombe            | 065 | 4    |     | 6895  |       |
|                        |      |       |      | 041  | 5          | Rocky Mount, part    |     |      |     |       | 57500 |
|                        |      |       |      | 046  | 6          | Tarboro              |     |      |     |       | 66700 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 034  | 116   | 1    |      |            | Forsyth              | 067 | 2    |     | 3120  |       |
|                        |      |       |      | 024  | 4          | High Point, part     |     |      |     |       | 31400 |
|                        |      |       |      | 027  | 6          | Kernersville, part   |     |      |     |       | 35600 |
|                        |      |       |      | 050  | 3          | Winston-Salem        |     |      |     |       | 75000 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 035  | 226   | 1    |      |            | Franklin             | 069 | 5    |     | 6640  |       |
|                        | 036  | 051   | 1    |      |            | Gaston               | 071 | 3    |     | 1520  |       |
|                        |      |       |      | 016  | 4          | Gastonia             |     |      |     |       | 25580 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 34                     |      |       |      |      |            | North Carolina       | 37 |      |     |       |       |
|                        | 036  |       |      |      |            | Gaston, con.         |    | 071  | 3   | 1520  |       |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 037  | 000   | 2    | 999  | 9          | Gates                |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Graham               |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Granville            |    | 077  | 5   | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Greene               |    | 079  | 6   | 0000  |       |
|                        | 041  | 116   | 1    |      |            | Guilford             |    | 081  | 2   | 3120  |       |
|                        |      |       |      | 019  | 3          | Greensboro           |    |      |     |       | 28000 |
|                        |      |       |      | 024  | 4          | High Point, part     |    |      |     |       | 31400 |
|                        |      |       |      | 027  | 6          | Kernersville, part   |    |      |     |       | 35600 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 042  | 000   | 2    |      |            | Halifax              |    | 083  | 4   | 0000  |       |
|                        |      |       |      | 040  | 6          | Roanoke Rapids       |    |      |     |       | 56900 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 043  | 000   | 2    | 999  | 9          | Harnett              |    | 085  | 4   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Haywood              |    | 087  | 5   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Henderson            |    | 089  | 4   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Hertford             |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9          | Hoke                 |    | 093  | 6   | 0000  |       |
|                        | 048  | 000   | 2    | 999  | 9          | Hyde                 |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    |      |            | Iredell              |    | 097  | 4   | 0000  |       |
|                        |      |       |      | 045  | 6          | Statesville          |    |      |     |       | 64740 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 050  | 000   | 2    | 999  | 9          | Jackson              |    | 099  | 5   | 0000  |       |
|                        | 051  | 226   | 1    | 999  | 9          | Johnston             |    | 101  | 4   | 6640  |       |
|                        | 052  | 000   | 2    | 999  | 9          | Jones                |    | 103  | 6   | 0000  |       |
|                        | 053  | 000   | 2    |      |            | Lee                  |    | 105  | 5   | 0000  |       |
|                        |      |       |      | 043  | 6          | Sanford              |    |      |     |       | 59280 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 054  | 000   | 2    |      |            | Lenoir               |    | 107  | 4   | 0000  |       |
|                        |      |       |      | 028  | 5          | Kinston              |    |      |     |       | 35920 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 055  | 051   | 1    | 999  | 9          | Lincoln              |    | 109  | 4   | 1520  |       |
|                        | 056  | 000   | 2    | 999  | 9          | McDowell             |    | 111  | 5   | 0000  |       |
|                        | 057  | 000   | 2    | 999  | 9          | Macon                |    | 113  | 6   | 0000  |       |
|                        | 058  | 014   | 1    | 999  | 9          | Madison              |    | 115  | 6   | 0480  |       |
|                        | 059  | 000   | 2    | 999  | 9          | Martin               |    | 117  | 5   | 0000  |       |
|                        | 060  | 051   | 1    |      |            | Mecklenburg          |    | 119  | 1   | 1520  |       |
|                        |      |       |      | 009  | 2          | Charlotte            |    |      |     |       | 12000 |
|                        |      |       |      | 033  | 6          | Matthews             |    |      |     |       | 41960 |
|                        |      |       |      | 034  | 6          | Mint Hill            |    |      |     |       | 43480 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 061  | 000   | 2    | 999  | 9          | Mitchell             |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9          | Montgomery           |    | 123  | 6   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9          | Moore                |    | 125  | 4   | 0000  |       |
|                        | 064  | 238   | 1    |      |            | Nash                 |    | 127  | 4   | 6895  |       |
|                        |      |       |      | 041  | 5          | Rocky Mount, part    |    |      |     |       | 57500 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 065  | 305   | 1    |      |            | New Hanover          |    | 129  | 3   | 9200  |       |
|                        |      |       |      | 048  | 4          | Wilmington           |    |      |     |       | 74440 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 066  | 000   | 2    | 999  | 9          | Northampton          |    | 131  | 6   | 0000  |       |
|                        | 067  | 136   | 1    |      |            | Onslow               |    | 133  | 3   | 3605  |       |
|                        |      |       |      | 025  | 5          | Jacksonville         |    |      |     |       | 34200 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 068  | 226   | 1    |      |            | Orange               |    | 135  | 4   | 6640  |       |
|                        |      |       |      | 006  | 6          | Carrboro             |    |      |     |       | 10620 |
|                        |      |       |      | 008  | 5          | Chapel Hill, part    |    |      |     |       | 11800 |
|                        |      |       |      | 011  | 3          | Durham, part         |    |      |     |       | 19000 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 069  | 000   | 2    | 999  | 9          | Pamlico              |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    |      |            | Pasquotank           |    | 139  | 5   | 0000  |       |
|                        |      |       |      | 013  | 6          | Elizabeth City, part |    |      |     |       | 20580 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 071  | 000   | 2    | 999  | 9          | Pender               |    | 141  | 5   | 0000  |       |
|                        | 072  | 000   | 2    | 999  | 9          | Perquimans           |    | 143  | 6   | 0000  |       |
|                        | 073  | 000   | 2    | 999  | 9          | Person               |    | 145  | 5   | 0000  |       |
|                        | 074  | 117   | 1    |      |            | Pitt                 |    | 147  | 3   | 3150  |       |
|                        |      |       |      | 020  | 5          | Greenville           |    |      |     |       | 28080 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 075  | 000   | 2    | 999  | 9          | Polk                 |    | 149  | 6   | 0000  |       |
|                        | 076  | 116   | 1    |      |            | Randolph             |    | 151  | 3   | 3120  |       |
|                        |      |       |      | 002  | 6          | Asheboro             |    |      |     |       | 02080 |
|                        |      |       |      | 024  | 4          | High Point, part     |    |      |     |       | 31400 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 34                     |      |       |      |      |            | North Carolina    | 37 |      |     |       |       |
|                        | 076  |       |      | 999  | 9          | Randolph, con.    |    | 151  | 3   | 3120  |       |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 077  | 000   | 2    | 999  | 9          | Richmond          |    | 153  | 5   | 0000  |       |
|                        | 078  | 000   | 2    |      |            | Robeson           |    | 155  | 3   | 0000  |       |
|                        |      |       |      | 032  | 6          | Lumberton         |    |      |     |       | 39700 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 079  | 000   | 2    |      |            | Rockingham        |    | 157  | 4   | 0000  |       |
|                        |      |       |      | 012  | 6          | Eden              |    |      |     |       | 20080 |
|                        |      |       |      | 039  | 6          | Reidsville        |    |      |     |       | 55900 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 080  | 051   | 1    |      |            | Rowan             |    | 159  | 3   | 1520  |       |
|                        |      |       |      | 026  | 5          | Kannapolis, part  |    |      |     |       | 35200 |
|                        |      |       |      | 042  | 6          | Salisbury         |    |      |     |       | 58860 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 081  | 000   | 2    | 999  | 9          | Rutherford        |    | 161  | 4   | 0000  |       |
|                        | 082  | 000   | 2    | 999  | 9          | Sampson           |    | 163  | 5   | 0000  |       |
|                        | 083  | 000   | 2    |      |            | Scotland          |    | 165  | 5   | 0000  |       |
|                        |      |       |      | 029  | 6          | Laurinburg        |    |      |     |       | 37220 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 084  | 000   | 2    |      |            | Stanly            |    | 167  | 4   | 0000  |       |
|                        |      |       |      | 001  | 6          | Albemarle         |    |      |     |       | 00680 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 085  | 116   | 1    | 999  | 9          | Stokes            |    | 169  | 5   | 3120  |       |
|                        | 086  | 000   | 2    | 999  | 9          | Surry             |    | 171  | 4   | 0000  |       |
|                        | 087  | 000   | 2    | 999  | 9          | Swain             |    | 173  | 6   | 0000  |       |
|                        | 088  | 000   | 2    | 999  | 9          | Transylvania      |    | 175  | 5   | 0000  |       |
|                        | 089  | 000   | 2    | 999  | 9          | Tyrrell           |    | 177  | 6   | 0000  |       |
|                        | 090  | 051   | 1    |      |            | Union             |    | 179  | 4   | 1520  |       |
|                        |      |       |      | 035  | 6          | Monroe            |    |      |     |       | 43920 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 091  | 000   | 2    |      |            | Vance             |    | 181  | 5   | 0000  |       |
|                        |      |       |      | 022  | 6          | Henderson         |    |      |     |       | 30660 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 092  | 226   | 1    |      |            | Wake              |    | 183  | 2   | 6640  |       |
|                        |      |       |      | 007  | 5          | Cary              |    |      |     |       | 10740 |
|                        |      |       |      | 015  | 6          | Garner            |    |      |     |       | 25480 |
|                        |      |       |      | 038  | 3          | Raleigh           |    |      |     |       | 55000 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 093  | 000   | 2    | 999  | 9          | Warren            |    | 185  | 6   | 0000  |       |
|                        | 094  | 000   | 2    | 999  | 9          | Washington        |    | 187  | 6   | 0000  |       |
|                        | 095  | 000   | 2    |      |            | Watauga           |    | 189  | 5   | 0000  |       |
|                        |      |       |      | 004  | 6          | Boone             |    |      |     |       | 07080 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 096  | 110   | 1    |      |            | Wayne             |    | 191  | 3   | 2980  |       |
|                        |      |       |      | 017  | 5          | Goldsboro         |    |      |     |       | 26880 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 097  | 000   | 2    | 999  | 9          | Wilkes            |    | 193  | 4   | 0000  |       |
|                        | 098  | 000   | 2    |      |            | Wilson            |    | 195  | 4   | 0000  |       |
|                        |      |       |      | 049  | 5          | Wilson            |    |      |     |       | 74540 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 099  | 116   | 1    | 999  | 9          | Yadkin            |    | 197  | 5   | 3120  |       |
|                        | 100  | 000   | 2    | 999  | 9          | Yancey            |    | 199  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 35                     |      |       |      |      |            | North Dakota      | 38 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Adams             |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Barnes            |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9          | Benson            |    | 005  | 6   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Billings          |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Bottineau         |    | 009  | 6   | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Bowman            |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    | 999  | 9          | Burke             |    | 013  | 6   | 0000  |       |
|                        | 008  | 033   | 1    |      |            | Burleigh          |    | 015  | 4   | 1010  |       |
|                        |      |       |      | 001  | 5          | Bismarck          |    |      |     |       | 07200 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 009  | 090   | 1    |      |            | Cass              |    | 017  | 3   | 2520  |       |
|                        |      |       |      | 003  | 4          | Fargo             |    |      |     |       | 25700 |
|                        |      |       |      | 008  | 6          | West Fargo        |    |      |     |       | 84780 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    | 999  | 9          | Cavalier          |    | 019  | 6   | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Dickey            |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Divide            |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Dunn              |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Eddy              |    | 027  | 6   | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9          | Emmons            |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Foster            |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9          | Golden Valley     |    | 033  | 6   | 0000  |       |
|                        | 018  | 111   | 1    |      |            | Grand Forks       |    | 035  | 4   | 2985  |       |
|                        |      |       |      | 004  | 5          | Grand Forks       |    |      |     |       | 32060 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    | 999  | 9          | Grant             |    | 037  | 6   | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Griggs            |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9          | Hettinger         |    | 041  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Kidder            |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9          | La Moure          |    | 045  | 6   | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9          | Logan             |    | 047  | 6   | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9          | McHenry           |    | 049  | 6   | 0000  |       |
|                        | 026  | 000   | 2    | 999  | 9          | McIntosh          |    | 051  | 6   | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9          | McKenzie          |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | McLean            |    | 055  | 6   | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Mercer            |    | 057  | 6   | 0000  |       |
|                        | 030  | 033   | 1    |      |            | Morton            |    | 059  | 6   | 1010  |       |
|                        |      |       |      | 006  | 6          | Mandan            |    |      |     |       | 49900 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 031  | 000   | 2    | 999  | 9          | Mountrail         |    | 061  | 6   | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9          | Nelson            |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9          | Oliver            |    | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Pembina           |    | 067  | 6   | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Pierce            |    | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Ramsey            |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9          | Ransom            |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Renville          |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Richland          |    | 077  | 6   | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Rolette           |    | 079  | 6   | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9          | Sargent           |    | 081  | 6   | 0000  |       |
|                        | 042  | 000   | 2    | 999  | 9          | Sheridan          |    | 083  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Sioux             |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Slope             |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    |      |            | Stark             |    | 089  | 6   | 0000  |       |
|                        |      |       |      | 002  | 6          | Dickinson         |    |      |     |       | 19620 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 046  | 000   | 2    | 999  | 9          | Steele            |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    |      |            | Stutsman          |    | 093  | 6   | 0000  |       |
|                        |      |       |      | 005  | 6          | Jamestown         |    |      |     |       | 40580 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 048  | 000   | 2    | 999  | 9          | Towner            |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9          | Traill            |    | 097  | 6   | 0000  |       |
|                        | 050  | 000   | 2    | 999  | 9          | Walsh             |    | 099  | 6   | 0000  |       |
|                        | 051  | 000   | 2    |      |            | Ward              |    | 101  | 4   | 0000  |       |
|                        |      |       |      | 007  | 5          | Minot             |    |      |     |       | 53380 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 052  | 000   | 2    | 999  | 9          | Wells             |    | 103  | 6   | 0000  |       |
|                        | 053  | 000   | 2    |      |            | Williams          |    | 105  | 6   | 0000  |       |
|                        |      |       |      | 009  | 6          | Williston         |    |      |     |       | 86220 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                    |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|--------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names         | St | Cnty | P/S | P/MSA | Place |
| 36                     |      |       |      |      |            | Ohio               | 39 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Adams              |    | 001  | 5   | 0000  |       |
|                        | 002  | 164   | 1    |      |            | Allen              |    | 003  | 3   | 4320  |       |
|                        |      |       |      | 072  | 5          | Lima               |    |      |     |       | 43554 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Ashland            |    | 005  | 5   | 0000  |       |
|                        |      |       |      | 004  | 6          | Ashland            |    |      |     |       | 02568 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 004  | 059   | 1    |      |            | Ashtabula          |    | 007  | 4   | 1680  |       |
|                        |      |       |      | 005  | 6          | Ashtabula          |    |      |     |       | 02638 |
|                        |      |       |      | 035  | 6          | Conneaut           |    |      |     |       | 18350 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    |      |            | Athens             |    | 009  | 4   | 0000  |       |
|                        |      |       |      | 006  | 6          | Athens             |    |      |     |       | 02736 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 006  | 164   | 1    | 999  | 9          | Auglaize           |    | 011  | 5   | 4320  |       |
|                        | 007  | 300   | 1    | 999  | 9          | Belmont            |    | 013  | 4   | 9000  |       |
|                        | 008  | 057   | 1    | 999  | 9          | Brown              |    | 015  | 5   | 1640  |       |
|                        | 009  | 120   | 1    |      |            | Butler             |    | 017  | 2   | 3200  |       |
|                        |      |       |      | 050  | 5          | Fairfield          |    |      |     |       | 25970 |
|                        |      |       |      | 063  | 4          | Hamilton           |    |      |     |       | 33012 |
|                        |      |       |      | 088  | 5          | Middletown, part   |    |      |     |       | 49840 |
|                        |      |       |      | 102  | 6          | Oxford             |    |      |     |       | 59234 |
|                        |      |       |      | 117  | 6          | Sharonville, part  |    |      |     |       | 71892 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 010  | 045   | 1    | 999  | 9          | Carroll            |    | 019  | 5   | 1320  |       |
|                        | 011  | 000   | 2    |      |            | Champaign          |    | 021  | 5   | 0000  |       |
|                        |      |       |      | 134  | 6          | Urbana             |    |      |     |       | 79072 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 012  | 070   | 1    |      |            | Clark              |    | 023  | 3   | 2000  |       |
|                        |      |       |      | 122  | 4          | Springfield        |    |      |     |       | 74118 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 013  | 057   | 1    | 999  | 9          | Clermont           |    | 025  | 3   | 1640  |       |
|                        | 014  | 000   | 2    |      |            | Clinton            |    | 027  | 5   | 0000  |       |
|                        |      |       |      | 149  | 6          | Wilmington         |    |      |     |       | 85792 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 015  | 309   | 1    |      |            | Columbiana         |    | 029  | 3   | 9320  |       |
|                        |      |       |      | 045  | 6          | East Liverpool     |    |      |     |       | 23730 |
|                        |      |       |      | 113  | 6          | Salem              |    |      |     |       | 69834 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 016  | 000   | 2    |      |            | Coshocton          |    | 031  | 5   | 0000  |       |
|                        |      |       |      | 036  | 6          | Coshocton          |    |      |     |       | 18868 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 017  | 174   | 1    |      |            | Crawford           |    | 033  | 5   | 4800  |       |
|                        |      |       |      | 024  | 6          | Bucyrus            |    |      |     |       | 10030 |
|                        |      |       |      | 058  | 6          | Galion             |    |      |     |       | 29162 |
|                        |      |       |      | 999  | 9          | Balance of county  |    |      |     |       | 99999 |
|                        | 018  | 059   | 1    |      |            | Cuyahoga           |    | 035  | 0   | 1680  |       |
|                        |      |       |      | 009  | 6          | Bay Village        |    |      |     |       | 04416 |
|                        |      |       |      | 010  | 6          | Beachwood          |    |      |     |       | 04500 |
|                        |      |       |      | 012  | 6          | Bedford            |    |      |     |       | 04878 |
|                        |      |       |      | 013  | 6          | Bedford Heights    |    |      |     |       | 04920 |
|                        |      |       |      | 015  | 6          | Berea              |    |      |     |       | 05690 |
|                        |      |       |      | 019  | 6          | Brecksville        |    |      |     |       | 08364 |
|                        |      |       |      | 020  | 6          | Broadview Heights  |    |      |     |       | 09064 |
|                        |      |       |      | 021  | 6          | Brooklyn           |    |      |     |       | 09246 |
|                        |      |       |      | 022  | 6          | Brook Park         |    |      |     |       | 09288 |
|                        |      |       |      | 032  | 1          | Cleveland          |    |      |     |       | 16000 |
|                        |      |       |      | 033  | 4          | Cleveland Heights  |    |      |     |       | 16014 |
|                        |      |       |      | 043  | 5          | East Cleveland     |    |      |     |       | 23380 |
|                        |      |       |      | 048  | 4          | Euclid             |    |      |     |       | 25704 |
|                        |      |       |      | 051  | 6          | Fairview Park      |    |      |     |       | 26446 |
|                        |      |       |      | 059  | 5          | Garfield Heights   |    |      |     |       | 29428 |
|                        |      |       |      | 069  | 4          | Lakewood           |    |      |     |       | 41664 |
|                        |      |       |      | 075  | 6          | Lyndhurst          |    |      |     |       | 45556 |
|                        |      |       |      | 077  | 5          | Maple Heights      |    |      |     |       | 47306 |
|                        |      |       |      | 083  | 6          | Mayfield Heights   |    |      |     |       | 48482 |
|                        |      |       |      | 087  | 6          | Middleburg Heights |    |      |     |       | 49644 |
|                        |      |       |      | 095  | 5          | North Olmsted      |    |      |     |       | 56882 |
|                        |      |       |      | 097  | 6          | North Royalton     |    |      |     |       | 57008 |
|                        |      |       |      | 104  | 4          | Parma              |    |      |     |       | 61000 |
|                        |      |       |      | 105  | 6          | Parma Heights      |    |      |     |       | 61028 |
|                        |      |       |      | 112  | 6          | Rocky River        |    |      |     |       | 68056 |
|                        |      |       |      | 115  | 6          | Seven Hills        |    |      |     |       | 71416 |
|                        |      |       |      | 116  | 5          | Shaker Heights     |    |      |     |       | 71682 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St  | Cnty | P/S | P/MSA | Place |
| 36                     |      |       |      |      |            | Ohio                 | 39  |      |     |       |       |
|                        | 018  |       |      |      |            | Cuyahoga, con.       | 035 | 0    |     | 1680  |       |
|                        |      |       |      | 119  | 6          | Solon                |     |      |     |       | 72928 |
|                        |      |       |      | 120  | 6          | South Euclid         |     |      |     |       | 73264 |
|                        |      |       |      | 125  | 5          | Strongsville         |     |      |     |       | 75098 |
|                        |      |       |      | 132  | 6          | University Heights   |     |      |     |       | 78932 |
|                        |      |       |      | 140  | 6          | Warrensville Heights |     |      |     |       | 80990 |
|                        |      |       |      | 144  | 5          | Westlake             |     |      |     |       | 83622 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 019  | 000   | 2    |      |            | Darke                | 037 | 4    |     | 0000  |       |
|                        |      |       |      | 061  | 6          | Greenville           |     |      |     |       | 32340 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 020  | 000   | 2    |      |            | Defiance             | 039 | 5    |     | 0000  |       |
|                        |      |       |      | 039  | 6          | Defiance             |     |      |     |       | 21308 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 021  | 064   | 1    |      |            | Delaware             | 041 | 4    |     | 1840  |       |
|                        |      |       |      | 040  | 6          | Delaware             |     |      |     |       | 21434 |
|                        |      |       |      | 042  | 6          | Dublin, part         |     |      |     |       | 22694 |
|                        |      |       |      | 143  | 5          | Westerville, part    |     |      |     |       | 83342 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 022  | 000   | 2    |      |            | Erie                 | 043 | 4    |     | 0000  |       |
|                        |      |       |      | 114  | 5          | Sandusky             |     |      |     |       | 70380 |
|                        |      |       |      | 137  | 6          | Vermilion, part      |     |      |     |       | 79716 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 023  | 064   | 1    |      |            | Fairfield            | 045 | 3    |     | 1840  |       |
|                        |      |       |      | 034  | 1          | Columbus, part       |     |      |     |       | 18000 |
|                        |      |       |      | 070  | 5          | Lancaster            |     |      |     |       | 41720 |
|                        |      |       |      | 111  | 5          | Reynoldsburg, part   |     |      |     |       | 66390 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 024  | 000   | 2    |      |            | Fayette              | 047 | 5    |     | 0000  |       |
|                        |      |       |      | 141  | 6          | Washington           |     |      |     |       | 81214 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 025  | 064   | 1    |      |            | Franklin             | 049 | 1    |     | 1840  |       |
|                        |      |       |      | 016  | 6          | Bexley               |     |      |     |       | 06278 |
|                        |      |       |      | 034  | 1          | Columbus, part       |     |      |     |       | 18000 |
|                        |      |       |      | 042  | 6          | Dublin, part         |     |      |     |       | 22694 |
|                        |      |       |      | 057  | 5          | Gahanna              |     |      |     |       | 29106 |
|                        |      |       |      | 062  | 6          | Grove City           |     |      |     |       | 32592 |
|                        |      |       |      | 064  | 6          | Hilliard             |     |      |     |       | 35476 |
|                        |      |       |      | 111  | 5          | Reynoldsburg, part   |     |      |     |       | 66390 |
|                        |      |       |      | 133  | 5          | Upper Arlington      |     |      |     |       | 79002 |
|                        |      |       |      | 143  | 5          | Westerville, part    |     |      |     |       | 83342 |
|                        |      |       |      | 145  | 6          | Whitehall            |     |      |     |       | 84742 |
|                        |      |       |      | 151  | 6          | Worthington          |     |      |     |       | 86604 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 026  | 282   | 1    |      |            | Fulton               | 051 | 5    |     | 8400  |       |
|                        | 027  | 000   | 2    |      |            | Gallia               | 053 | 5    |     | 0000  |       |
|                        | 028  | 059   | 1    |      |            | Geauga               | 055 | 4    |     | 1680  |       |
|                        | 029  | 070   | 1    |      |            | Greene               | 057 | 3    |     | 2000  |       |
|                        |      |       |      | 011  | 5          | Beavercreek          |     |      |     |       | 04720 |
|                        |      |       |      | 049  | 5          | Fairborn             |     |      |     |       | 25914 |
|                        |      |       |      | 152  | 6          | Xenia                |     |      |     |       | 86772 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 030  | 000   | 2    |      |            | Guernsey             | 059 | 5    |     | 0000  |       |
|                        |      |       |      | 025  | 6          | Cambridge            |     |      |     |       | 10996 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 031  | 057   | 1    |      |            | Hamilton             | 061 | 1    |     | 1640  |       |
|                        |      |       |      | 017  | 6          | Blue Ash             |     |      |     |       | 07300 |
|                        |      |       |      | 030  | 2          | Cincinnati           |     |      |     |       | 15000 |
|                        |      |       |      | 053  | 6          | Forest Park          |     |      |     |       | 27706 |
|                        |      |       |      | 074  | 6          | Loveland             |     |      |     |       | 45108 |
|                        |      |       |      | 094  | 6          | North College Hill   |     |      |     |       | 56322 |
|                        |      |       |      | 100  | 6          | Norwood              |     |      |     |       | 57386 |
|                        |      |       |      | 110  | 6          | Reading              |     |      |     |       | 65732 |
|                        |      |       |      | 117  | 6          | Sharonville, part    |     |      |     |       | 71892 |
|                        |      |       |      | 121  | 6          | Springdale           |     |      |     |       | 74104 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 032  | 000   | 2    |      |            | Hancock              | 063 | 4    |     | 0000  |       |
|                        |      |       |      | 052  | 5          | Findlay              |     |      |     |       | 27048 |
|                        |      |       |      | 054  | 6          | Fostoria, part       |     |      |     |       | 28014 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 033  | 000   | 2    |      |            | Hardin               | 065 | 5    |     | 0000  |       |
|                        | 034  | 000   | 2    |      |            | Harrison             | 067 | 6    |     | 0000  |       |
|                        | 035  | 000   | 2    |      |            | Henry                | 069 | 5    |     | 0000  |       |
|                        | 036  | 000   | 2    |      |            | Highland             | 071 | 5    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St | Cnty | P/S | P/MSA | Place |
| 36                     |      |       |      |      |            | Ohio                | 39 |      |     |       |       |
|                        | 037  | 000   | 2    | 999  | 9          | Hocking             |    | 073  | 5   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Holmes              |    | 075  | 5   | 0000  |       |
|                        | 039  | 000   | 2    |      |            | Huron               |    | 077  | 4   | 0000  |       |
|                        |      |       |      | 099  | 6          | Norwalk             |    |      |     |       | 57302 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 040  | 000   | 2    | 999  | 9          | Jackson             |    | 079  | 5   | 0000  |       |
|                        | 041  | 273   | 1    |      |            | Jefferson           |    | 081  | 4   | 8080  |       |
|                        |      |       |      | 123  | 6          | Steubenville        |    |      |     |       | 74608 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 042  | 000   | 2    |      |            | Knox                |    | 083  | 5   | 0000  |       |
|                        |      |       |      | 089  | 6          | Mount Vernon        |    |      |     |       | 53102 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 043  | 059   | 1    |      |            | Lake                |    | 085  | 3   | 1680  |       |
|                        |      |       |      | 044  | 6          | Eastlake            |    |      |     |       | 23618 |
|                        |      |       |      | 085  | 5          | Mentor              |    |      |     |       | 49056 |
|                        |      |       |      | 103  | 6          | Painesville         |    |      |     |       | 59416 |
|                        |      |       |      | 146  | 6          | Wickliffe           |    |      |     |       | 85036 |
|                        |      |       |      | 147  | 6          | Willoughby          |    |      |     |       | 85484 |
|                        |      |       |      | 148  | 6          | Willowick           |    |      |     |       | 85638 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 044  | 128   | 1    |      |            | Lawrence            |    | 087  | 4   | 3400  |       |
|                        |      |       |      | 066  | 6          | Ironton             |    |      |     |       | 37464 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 045  | 064   | 1    |      |            | Licking             |    | 089  | 3   | 1840  |       |
|                        |      |       |      | 090  | 5          | Newark              |    |      |     |       | 54040 |
|                        |      |       |      | 111  | 5          | Reynoldsburg, part  |    |      |     |       | 66390 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 046  | 000   | 2    |      |            | Logan               |    | 091  | 5   | 0000  |       |
|                        |      |       |      | 014  | 6          | Bellefontaine       |    |      |     |       | 05130 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 047  | 059   | 1    |      |            | Lorain              |    | 093  | 2   | 1680  |       |
|                        |      |       |      | 003  | 6          | Amherst             |    |      |     |       | 01798 |
|                        |      |       |      | 007  | 6          | Avon Lake           |    |      |     |       | 03464 |
|                        |      |       |      | 046  | 4          | Elyria              |    |      |     |       | 25256 |
|                        |      |       |      | 073  | 4          | Lorain              |    |      |     |       | 44856 |
|                        |      |       |      | 096  | 6          | North Ridgeville    |    |      |     |       | 56966 |
|                        |      |       |      | 137  | 6          | Vermilion, part     |    |      |     |       | 79716 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 048  | 282   | 1    |      |            | Lucas               |    | 095  | 2   | 8400  |       |
|                        |      |       |      | 082  | 6          | Maumee              |    |      |     |       | 48342 |
|                        |      |       |      | 101  | 6          | Oregon              |    |      |     |       | 58730 |
|                        |      |       |      | 127  | 6          | Sylvania            |    |      |     |       | 76022 |
|                        |      |       |      | 130  | 2          | Toledo              |    |      |     |       | 77000 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 049  | 064   | 1    | 999  | 9          | Madison             |    | 097  | 5   | 1840  |       |
|                        | 050  | 309   | 1    |      |            | Mahoning            |    | 099  | 2   | 9320  |       |
|                        |      |       |      | 002  | 6          | Alliance, part      |    |      |     |       | 01420 |
|                        |      |       |      | 026  | 6          | Campbell            |    |      |     |       | 11066 |
|                        |      |       |      | 126  | 6          | Struthers           |    |      |     |       | 75126 |
|                        |      |       |      | 153  | 4          | Youngstown, part    |    |      |     |       | 88000 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 051  | 000   | 2    |      |            | Marion              |    | 101  | 4   | 0000  |       |
|                        |      |       |      | 079  | 5          | Marion              |    |      |     |       | 47754 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 052  | 059   | 1    |      |            | Medina              |    | 103  | 3   | 1680  |       |
|                        |      |       |      | 023  | 5          | Brunswick           |    |      |     |       | 09680 |
|                        |      |       |      | 084  | 6          | Medina              |    |      |     |       | 48790 |
|                        |      |       |      | 138  | 6          | Wadsworth           |    |      |     |       | 80304 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 053  | 000   | 2    | 999  | 9          | Meigs               |    | 105  | 6   | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Mercer              |    | 107  | 5   | 0000  |       |
|                        | 055  | 070   | 1    |      |            | Miami               |    | 109  | 4   | 2000  |       |
|                        |      |       |      | 065  | 5          | Huber Heights, part |    |      |     |       | 36610 |
|                        |      |       |      | 107  | 6          | Piqua               |    |      |     |       | 62848 |
|                        |      |       |      | 131  | 6          | Troy                |    |      |     |       | 77588 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 056  | 000   | 2    | 999  | 9          | Monroe              |    | 111  | 6   | 0000  |       |
|                        | 057  | 070   | 1    |      |            | Montgomery          |    | 113  | 1   | 2000  |       |
|                        |      |       |      | 028  | 6          | Centerville         |    |      |     |       | 13190 |
|                        |      |       |      | 038  | 3          | Dayton              |    |      |     |       | 21000 |
|                        |      |       |      | 047  | 6          | Englewood           |    |      |     |       | 25396 |
|                        |      |       |      | 065  | 5          | Huber Heights, part |    |      |     |       | 36610 |
|                        |      |       |      | 068  | 4          | Kettering           |    |      |     |       | 40040 |
|                        |      |       |      | 086  | 6          | Miamisburg          |    |      |     |       | 49434 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 36                     |      |       |      |      |            | Ohio                  | 39 |      |     |       |       |
|                        | 057  |       |      |      |            | Montgomery, con.      |    | 113  | 1   | 2000  |       |
|                        |      |       |      | 135  | 6          | Vandalia              |    |      |     |       | 79492 |
|                        |      |       |      | 142  | 6          | West Carrolllton City |    |      |     |       | 83090 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 058  | 000   | 2    |      |            | Morgan                |    | 115  | 6   | 0000  |       |
|                        | 059  | 000   | 2    |      |            | Morrow                |    | 117  | 5   | 0000  |       |
|                        | 060  | 000   | 2    |      |            | Muskingum             |    | 119  | 4   | 0000  |       |
|                        |      |       |      | 154  | 5          | Zanesville            |    |      |     |       | 88084 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 061  | 000   | 2    |      |            | Noble                 |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    |      |            | Ottawa                |    | 123  | 5   | 0000  |       |
|                        | 063  | 000   | 2    |      |            | Paulding              |    | 125  | 6   | 0000  |       |
|                        | 064  | 000   | 2    |      |            | Perry                 |    | 127  | 5   | 0000  |       |
|                        | 065  | 064   | 1    |      |            | Pickaway              |    | 129  | 5   | 1840  |       |
|                        |      |       |      | 031  | 6          | Circleville           |    |      |     |       | 15070 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 066  | 000   | 2    |      |            | Pike                  |    | 131  | 6   | 0000  |       |
|                        | 067  | 002   | 1    |      |            | Portage               |    | 133  | 3   | 0080  |       |
|                        |      |       |      | 067  | 5          | Kent                  |    |      |     |       | 39872 |
|                        |      |       |      | 109  | 6          | Ravenna               |    |      |     |       | 65592 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 068  | 000   | 2    |      |            | Preble                |    | 135  | 5   | 0000  |       |
|                        | 069  | 000   | 2    |      |            | Putnam                |    | 137  | 5   | 0000  |       |
|                        | 070  | 174   | 1    |      |            | Richland              |    | 139  | 3   | 4800  |       |
|                        |      |       |      | 076  | 4          | Mansfield             |    |      |     |       | 47138 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 071  | 000   | 2    |      |            | Ross                  |    | 141  | 4   | 0000  |       |
|                        |      |       |      | 029  | 6          | Chillicothe           |    |      |     |       | 14184 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 072  | 000   | 2    |      |            | Sandusky              |    | 143  | 4   | 0000  |       |
|                        |      |       |      | 056  | 6          | Fremont               |    |      |     |       | 28826 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 073  | 000   | 2    |      |            | Scioto                |    | 145  | 4   | 0000  |       |
|                        |      |       |      | 108  | 6          | Portsmouth            |    |      |     |       | 64304 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 074  | 000   | 2    |      |            | Seneca                |    | 147  | 4   | 0000  |       |
|                        |      |       |      | 054  | 6          | Fostoria, part        |    |      |     |       | 28014 |
|                        |      |       |      | 129  | 6          | Tiffin                |    |      |     |       | 76778 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 075  | 000   | 2    |      |            | Shelby                |    | 149  | 5   | 0000  |       |
|                        |      |       |      | 118  | 6          | Sidney                |    |      |     |       | 72424 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 076  | 045   | 1    |      |            | Stark                 |    | 151  | 2   | 1320  |       |
|                        |      |       |      | 002  | 6          | Alliance, part        |    |      |     |       | 01420 |
|                        |      |       |      | 027  | 4          | Canton                |    |      |     |       | 12000 |
|                        |      |       |      | 081  | 5          | Massillon             |    |      |     |       | 48244 |
|                        |      |       |      | 093  | 6          | North Canton          |    |      |     |       | 56294 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 077  | 002   | 1    |      |            | Summit                |    | 153  | 1   | 0080  |       |
|                        |      |       |      | 001  | 3          | Akron                 |    |      |     |       | 01000 |
|                        |      |       |      | 008  | 5          | Barberton             |    |      |     |       | 03828 |
|                        |      |       |      | 037  | 5          | Cuyahoga Falls        |    |      |     |       | 19778 |
|                        |      |       |      | 098  | 6          | Norton, part          |    |      |     |       | 57260 |
|                        |      |       |      | 124  | 5          | Stow                  |    |      |     |       | 74944 |
|                        |      |       |      | 128  | 6          | Tallmadge             |    |      |     |       | 76106 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 078  | 309   | 1    |      |            | Trumbull              |    | 155  | 3   | 9320  |       |
|                        |      |       |      | 060  | 6          | Girard                |    |      |     |       | 30198 |
|                        |      |       |      | 092  | 6          | Niles                 |    |      |     |       | 55916 |
|                        |      |       |      | 139  | 4          | Warren                |    |      |     |       | 80892 |
|                        |      |       |      | 153  | 4          | Youngstown, part      |    |      |     |       | 88000 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 079  | 000   | 2    |      |            | Tuscarawas            |    | 157  | 4   | 0000  |       |
|                        |      |       |      | 041  | 6          | Dover                 |    |      |     |       | 22456 |
|                        |      |       |      | 091  | 6          | New Philadelphia      |    |      |     |       | 55216 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 080  | 000   | 2    |      |            | Union                 |    | 159  | 5   | 0000  |       |
|                        |      |       |      | 042  | 6          | Dublin, part          |    |      |     |       | 22694 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 081  | 000   | 2    |      |            | Van Wert              |    | 161  | 5   | 0000  |       |
|                        |      |       |      | 136  | 6          | Van Wert              |    |      |     |       | 79562 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 082  | 000   | 2    |      |            | Vinton                |    | 163  | 6   | 0000  |       |
|                        | 083  | 057   | 1    |      |            | Warren                |    | 165  | 3   | 1640  |       |
|                        |      |       |      | 055  | 6          | Franklin              |    |      |     |       | 28476 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S | P/MSA | Place |
| 36                     |      |       |      |      |            | Ohio              | 39  |      |     |       |       |
|                        | 083  |       |      |      |            | Warren, con.      | 165 | 3    |     | 1640  |       |
|                        |      |       |      | 071  | 6          | Lebanon           |     |      |     |       | 42364 |
|                        |      |       |      | 080  | 6          | Mason             |     |      |     |       | 48188 |
|                        |      |       |      | 088  | 5          | Middletown, part  |     |      |     |       | 49840 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 084  | 211   | 1    |      |            | Washington        | 167 | 4    |     | 6020  |       |
|                        |      |       |      | 078  | 6          | Marietta          |     |      |     |       | 47628 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 085  | 000   | 2    |      |            | Wayne             | 169 | 3    |     | 0000  |       |
|                        |      |       |      | 098  | 6          | Norton, part      |     |      |     |       | 57260 |
|                        |      |       |      | 150  | 6          | Wooster           |     |      |     |       | 86548 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 086  | 000   | 2    |      |            | Williams          | 171 | 5    |     | 0000  |       |
|                        | 087  | 282   | 1    |      |            | Wood              | 173 | 3    |     | 8400  |       |
|                        |      |       |      | 018  | 5          | Bowling Green     |     |      |     |       | 07972 |
|                        |      |       |      | 054  | 6          | Fostoria, part    |     |      |     |       | 28014 |
|                        |      |       |      | 106  | 6          | Perrysburg        |     |      |     |       | 62148 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |     |       | 99999 |
|                        | 088  | 000   | 2    |      |            | Wyandot           | 175 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St | Cnty | P/S | P/MSA | Place |
| 37                     |      |       |      |      |            | Oklahoma            | 40 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Adair               |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9          | Alfalfa             |    | 003  | 6   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9          | Atoka               |    | 005  | 6   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Beaver              |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Beckham             |    | 009  | 6   | 0000  |       |
|                        |      |       |      | 013  | 6          | Elk City            |    |      |     |       | 23500 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 006  | 000   | 2    | 999  | 9          | Blaine              |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    |      |            | Bryan               |    | 013  | 5   | 0000  |       |
|                        |      |       |      | 011  | 6          | Durant              |    |      |     |       | 22050 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 008  | 000   | 2    | 999  | 9          | Caddo               |    | 015  | 5   | 0000  |       |
|                        | 009  | 204   | 1    |      |            | Canadian            |    | 017  | 4   | 5880  |       |
|                        |      |       |      | 014  | 6          | El Reno             |    |      |     |       | 23700 |
|                        |      |       |      | 023  | 6          | Mustang             |    |      |     |       | 50100 |
|                        |      |       |      | 025  | 2          | Oklahoma City, part |    |      |     |       | 55000 |
|                        |      |       |      | 038  | 6          | Yukon               |    |      |     |       | 82950 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    |      |            | Carter              |    | 019  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6          | Ardmore             |    |      |     |       | 02600 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 011  | 000   | 2    |      |            | Cherokee            |    | 021  | 5   | 0000  |       |
|                        |      |       |      | 033  | 6          | Tahlequah           |    |      |     |       | 72100 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Choctaw             |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Cimarron            |    | 025  | 6   | 0000  |       |
|                        | 014  | 204   | 1    |      |            | Cleveland           |    | 027  | 3   | 5880  |       |
|                        |      |       |      | 021  | 5          | Moore               |    |      |     |       | 49200 |
|                        |      |       |      | 024  | 4          | Norman              |    |      |     |       | 52500 |
|                        |      |       |      | 025  | 2          | Oklahoma City, part |    |      |     |       | 55000 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9          | Coal                |    | 029  | 6   | 0000  |       |
|                        | 016  | 161   | 1    |      |            | Comanche            |    | 031  | 3   | 4200  |       |
|                        |      |       |      | 017  | 4          | Lawton              |    |      |     |       | 41850 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 017  | 000   | 2    | 999  | 9          | Cotton              |    | 033  | 6   | 0000  |       |
|                        | 018  | 000   | 2    | 999  | 9          | Craig               |    | 035  | 6   | 0000  |       |
|                        | 019  | 286   | 1    |      |            | Creek               |    | 037  | 4   | 8560  |       |
|                        |      |       |      | 030  | 6          | Sapulpa             |    |      |     |       | 65400 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 020  | 000   | 2    |      |            | Custer              |    | 039  | 5   | 0000  |       |
|                        |      |       |      | 036  | 6          | Weatherford         |    |      |     |       | 79450 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 021  | 000   | 2    | 999  | 9          | Delaware            |    | 041  | 5   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Dewey               |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9          | Ellis               |    | 045  | 6   | 0000  |       |
|                        | 024  | 086   | 1    |      |            | Garfield            |    | 047  | 4   | 2340  |       |
|                        |      |       |      | 015  | 5          | Enid                |    |      |     |       | 23950 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 025  | 000   | 2    | 999  | 9          | Garvin              |    | 049  | 5   | 0000  |       |
|                        | 026  | 000   | 2    |      |            | Grady               |    | 051  | 5   | 0000  |       |
|                        |      |       |      | 007  | 6          | Chickasha           |    |      |     |       | 13950 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9          | Grant               |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | Greer               |    | 055  | 6   | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Harmon              |    | 057  | 6   | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Harper              |    | 059  | 6   | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Haskell             |    | 061  | 6   | 0000  |       |
|                        | 032  | 000   | 2    | 999  | 9          | Hughes              |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    |      |            | Jackson             |    | 065  | 5   | 0000  |       |
|                        |      |       |      | 002  | 6          | Altus               |    |      |     |       | 01700 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 034  | 000   | 2    | 999  | 9          | Jefferson           |    | 067  | 6   | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Johnston            |    | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    |      |            | Kay                 |    | 071  | 5   | 0000  |       |
|                        |      |       |      | 028  | 5          | Ponca City          |    |      |     |       | 59850 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 037  | 000   | 2    | 999  | 9          | Kingfisher          |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Kiowa               |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Latimer             |    | 077  | 6   | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Le Flore            |    | 079  | 5   | 0000  |       |
|                        | 041  | 000   | 2    | 999  | 9          | Lincoln             |    | 081  | 5   | 0000  |       |
|                        | 042  | 204   | 1    |      |            | Logan               |    | 083  | 5   | 5880  |       |
|                        |      |       |      | 016  | 6          | Guthrie             |    |      |     |       | 31700 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|---------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St  | Cnty | P/S  | P/MSA | Place |
| 37                     |      |       |      |      |            | Oklahoma            | 40  |      |      |       |       |
|                        | 042  |       |      |      |            | Logan, con.         | 083 | 5    | 5880 |       |       |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 043  | 000   | 2    | 999  | 9          | Love                | 085 | 6    | 0000 |       |       |
|                        | 044  | 204   | 1    |      |            | McClain             | 087 | 6    | 5880 |       |       |
|                        |      |       |      | 025  | 2          | Oklahoma City, part |     |      |      |       | 55000 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 045  | 000   | 2    | 999  | 9          | McCurtain           | 089 | 5    | 0000 |       |       |
|                        | 046  | 000   | 2    | 999  | 9          | McIntosh            | 091 | 6    | 0000 |       |       |
|                        | 047  | 000   | 2    | 999  | 9          | Major               | 093 | 6    | 0000 |       |       |
|                        | 048  | 000   | 2    | 999  | 9          | Marshall            | 095 | 6    | 0000 |       |       |
|                        | 049  | 000   | 2    | 999  | 9          | Mayes               | 097 | 5    | 0000 |       |       |
|                        | 050  | 000   | 2    | 999  | 9          | Murray              | 099 | 6    | 0000 |       |       |
|                        | 051  | 000   | 2    |      |            | Muskogee            | 101 | 4    | 0000 |       |       |
|                        |      |       |      | 022  | 5          | Muskogee            |     |      |      |       | 50050 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 052  | 000   | 2    | 999  | 9          | Noble               | 103 | 6    | 0000 |       |       |
|                        | 053  | 000   | 2    | 999  | 9          | Nowata              | 105 | 6    | 0000 |       |       |
|                        | 054  | 000   | 2    | 999  | 9          | Okfuskee            | 107 | 6    | 0000 |       |       |
|                        | 055  | 204   | 1    |      |            | Oklahoma            | 109 | 1    | 5880 |       |       |
|                        |      |       |      | 005  | 6          | Bethany             |     |      |      |       | 05700 |
|                        |      |       |      | 009  | 6          | Del City            |     |      |      |       | 19900 |
|                        |      |       |      | 012  | 4          | Edmond              |     |      |      |       | 23200 |
|                        |      |       |      | 020  | 4          | Midwest City        |     |      |      |       | 48350 |
|                        |      |       |      | 025  | 2          | Oklahoma City, part |     |      |      |       | 55000 |
|                        |      |       |      | 034  | 6          | The Village         |     |      |      |       | 73250 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 056  | 000   | 2    |      |            | Okmulgee            | 111 | 5    | 0000 |       |       |
|                        |      |       |      | 026  | 6          | Okmulgee            |     |      |      |       | 55150 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 057  | 286   | 1    |      |            | Osage               | 113 | 5    | 8560 |       |       |
|                        |      |       |      | 004  | 5          | Bartlesville, part  |     |      |      |       | 04450 |
|                        |      |       |      | 029  | 6          | Sand Springs, part  |     |      |      |       | 65300 |
|                        |      |       |      | 035  | 2          | Tulsa, part         |     |      |      |       | 75000 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 058  | 000   | 2    |      |            | Ottawa              | 115 | 5    | 0000 |       |       |
|                        |      |       |      | 019  | 6          | Miami               |     |      |      |       | 48000 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 059  | 000   | 2    | 999  | 9          | Pawnee              | 117 | 6    | 0000 |       |       |
|                        | 060  | 000   | 2    |      |            | Payne               | 119 | 4    | 0000 |       |       |
|                        |      |       |      | 032  | 5          | Stillwater          |     |      |      |       | 70300 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 061  | 000   | 2    |      |            | Pittsburg           | 121 | 5    | 0000 |       |       |
|                        |      |       |      | 018  | 6          | McAlester           |     |      |      |       | 44800 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 062  | 000   | 2    |      |            | Pontotoc            | 123 | 5    | 0000 |       |       |
|                        |      |       |      | 001  | 6          | Ada                 |     |      |      |       | 00200 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 063  | 204   | 1    |      |            | Pottawatomie        | 125 | 4    | 5880 |       |       |
|                        |      |       |      | 025  | 2          | Oklahoma City, part |     |      |      |       | 55000 |
|                        |      |       |      | 031  | 5          | Shawnee             |     |      |      |       | 66800 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 064  | 000   | 2    | 999  | 9          | Pushmataha          | 127 | 6    | 0000 |       |       |
|                        | 065  | 000   | 2    | 999  | 9          | Roger Mills         | 129 | 6    | 0000 |       |       |
|                        | 066  | 286   | 1    |      |            | Rogers              | 131 | 4    | 8560 |       |       |
|                        |      |       |      | 008  | 6          | Claremore           |     |      |      |       | 14700 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 067  | 000   | 2    | 999  | 9          | Seminole            | 133 | 5    | 0000 |       |       |
|                        | 068  | 100   | 1    | 999  | 9          | Sequoyah            | 135 | 5    | 2720 |       |       |
|                        | 069  | 000   | 2    |      |            | Stephens            | 137 | 5    | 0000 |       |       |
|                        |      |       |      | 010  | 6          | Duncan              |     |      |      |       | 21900 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 070  | 000   | 2    | 999  | 9          | Texas               | 139 | 6    | 0000 |       |       |
|                        | 071  | 000   | 2    | 999  | 9          | Tillman             | 141 | 6    | 0000 |       |       |
|                        | 072  | 286   | 1    |      |            | Tulsa               | 143 | 1    | 8560 |       |       |
|                        |      |       |      | 006  | 4          | Broken Arrow, part  |     |      |      |       | 09050 |
|                        |      |       |      | 027  | 6          | Owasso              |     |      |      |       | 56650 |
|                        |      |       |      | 029  | 6          | Sand Springs, part  |     |      |      |       | 65300 |
|                        |      |       |      | 035  | 2          | Tulsa, part         |     |      |      |       | 75000 |
|                        |      |       |      | 035  | 2          | Tulsa, part         |     |      |      |       | 75000 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 073  | 286   | 1    |      |            | Wagoner             | 145 | 5    | 8560 |       |       |
|                        |      |       |      | 006  | 4          | Broken Arrow, part  |     |      |      |       | 09050 |
|                        |      |       |      | 999  | 9          | Balance of county   |     |      |      |       | 99999 |
|                        | 074  | 000   | 2    |      |            | Washington          | 147 | 5    | 0000 |       |       |
|                        |      |       |      | 004  | 5          | Bartlesville, part  |     |      |      |       | 04450 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 37                     |      |       |      |      |     | Oklahoma          | 40 |      |     |       |       |
|                        | 074  |       |      | 999  | 9   | Washington, con.  |    | 147  | 5   | 0000  |       |
|                        |      |       |      |      |     | Balance of county |    |      |     |       | 99999 |
|                        | 075  | 000   | 2    | 999  | 9   | Washita           |    | 149  | 6   | 0000  |       |
|                        | 076  | 000   | 2    | 999  | 9   | Woods             |    | 151  | 6   | 0000  |       |
|                        | 077  | 000   | 2    |      |     | Woodward          |    | 153  | 6   | 0000  |       |
|                        |      |       |      | 037  | 6   | Woodward          |    |      |     |       | 82150 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |



| Vital Statistics Codes |      |       |      |          | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|----------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 38                     |      |       |      |          | Oregon            | 41 |      |     |       |       |
|                        | 001  | 000   | 2    | 999 9    | Baker             |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    |          | Benton            |    | 003  | 4   | 0000  |       |
|                        |      |       |      | 001 5    | Albany, part      |    |      |     |       | 01000 |
|                        |      |       |      | 008 5    | Corvallis         |    |      |     |       | 15800 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 220   | 1    |          | Clackamas         |    | 005  | 2   | 6440  |       |
|                        |      |       |      | 011 6    | Gladstone         |    |      |     |       | 29000 |
|                        |      |       |      | 019 5    | Lake Oswego, part |    |      |     |       | 40550 |
|                        |      |       |      | 023 6    | Milwaukie, part   |    |      |     |       | 48650 |
|                        |      |       |      | 025 6    | Oregon City       |    |      |     |       | 55200 |
|                        |      |       |      | 027 2    | Portland, part    |    |      |     |       | 59000 |
|                        |      |       |      | 032 6    | Tualatin, part    |    |      |     |       | 74950 |
|                        |      |       |      | 033 6    | West Linn         |    |      |     |       | 80150 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |          | Clatsop           |    | 007  | 5   | 0000  |       |
|                        |      |       |      | 003 6    | Astoria           |    |      |     |       | 03150 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 220   | 1    | 999 9    | Columbia          |    | 009  | 5   | 6440  |       |
|                        | 006  | 000   | 2    |          | Coos              |    | 011  | 4   | 0000  |       |
|                        |      |       |      | 007 6    | Coos Bay          |    |      |     |       | 15250 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999 9    | Crook             |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999 9    | Curry             |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    |          | Deschutes         |    | 017  | 4   | 0000  |       |
|                        |      |       |      | 005 6    | Bend              |    |      |     |       | 05800 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 010  | 000   | 2    |          | Douglas           |    | 019  | 4   | 0000  |       |
|                        |      |       |      | 028 6    | Roseburg          |    |      |     |       | 63650 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 011  | 000   | 2    | 999 9    | Gilliam           |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999 9    | Grant             |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999 9    | Harney            |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    | 999 9    | Hood River        |    | 027  | 6   | 0000  |       |
|                        | 015  | 176   | 1    |          | Jackson           |    | 029  | 3   | 4890  |       |
|                        |      |       |      | 002 6    | Ashland           |    |      |     |       | 03050 |
|                        |      |       |      | 022 5    | Medford           |    |      |     |       | 47000 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 016  | 000   | 2    | 999 9    | Jefferson         |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    |          | Josephine         |    | 033  | 4   | 0000  |       |
|                        |      |       |      | 012 6    | Grants Pass       |    |      |     |       | 30550 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    |          | Klamath           |    | 035  | 4   | 0000  |       |
|                        |      |       |      | 017 6    | Klamath Falls     |    |      |     |       | 39700 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    | 999 9    | Lake              |    | 037  | 6   | 0000  |       |
|                        | 020  | 088   | 1    |          | Lane              |    | 039  | 2   | 2400  |       |
|                        |      |       |      | 009 3    | Eugene            |    |      |     |       | 23850 |
|                        |      |       |      | 030 5    | Springfield       |    |      |     |       | 69600 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 021  | 000   | 2    | 999 9    | Lincoln           |    | 041  | 5   | 0000  |       |
|                        | 022  | 000   | 2    |          | Linn              |    | 043  | 4   | 0000  |       |
|                        |      |       |      | 001 5    | Albany, part      |    |      |     |       | 01000 |
|                        |      |       |      | 020 6    | Lebanon           |    |      |     |       | 41650 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 023  | 000   | 2    | 999 9    | Malheur           |    | 045  | 5   | 0000  |       |
|                        | 024  | 244   | 1    |          | Marion            |    | 047  | 3   | 7080  |       |
|                        |      |       |      | 016 6    | Keizer            |    |      |     |       | 38500 |
|                        |      |       |      | 029 3    | Salem, part       |    |      |     |       | 64900 |
|                        |      |       |      | 034 6    | Woodburn          |    |      |     |       | 83750 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 025  | 000   | 2    | 999 9    | Morrow            |    | 049  | 6   | 0000  |       |
|                        | 026  | 220   | 1    |          | Multnomah         |    | 051  | 1   | 6440  |       |
|                        |      |       |      | 013 4    | Gresham           |    |      |     |       | 31250 |
|                        |      |       |      | 019 5    | Lake Oswego, part |    |      |     |       | 40550 |
|                        |      |       |      | 023 6    | Milwaukie, part   |    |      |     |       | 48650 |
|                        |      |       |      | 027 2    | Portland, part    |    |      |     |       | 59000 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 027  | 244   | 1    |          | Polk              |    | 053  | 5   | 7080  |       |
|                        |      |       |      | 029 3    | Salem, part       |    |      |     |       | 64900 |
|                        |      |       |      | 999 9    | Balance of county |    |      |     |       | 99999 |
|                        | 028  | 000   | 2    | 999 9    | Sherman           |    | 055  | 6   | 0000  |       |
|                        | 029  | 000   | 2    | 999 9    | Tillamook         |    | 057  | 6   | 0000  |       |
|                        | 030  | 000   | 2    |          | Umatilla          |    | 059  | 4   | 0000  |       |
|                        |      |       |      | 014 6    | Hermiston         |    |      |     |       | 33700 |

| Vital Statistics Codes |      |       |      |          | FIPS Codes         |    |      |     |       |       |
|------------------------|------|-------|------|----------|--------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City P/S | Area Names         | St | Cnty | P/S | P/MSA | Place |
| 38                     |      |       |      |          | Oregon             | 41 |      |     |       |       |
|                        | 030  |       |      | 026 6    | Umatilla, con.     |    | 059  | 4   | 0000  | 57150 |
|                        |      |       |      | 999 9    | Pendleton          |    |      |     |       | 99999 |
|                        |      |       |      |          | Balance of county  |    |      |     |       |       |
|                        | 031  | 000   | 2    | 018 6    | Union              |    | 061  | 6   | 0000  | 40350 |
|                        |      |       |      | 999 9    | La Grande          |    |      |     |       | 99999 |
|                        |      |       |      |          | Balance of county  |    |      |     |       |       |
|                        | 032  | 000   | 2    | 999 9    | Wallowa            |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999 9    | Wasco              |    | 065  | 6   | 0000  |       |
|                        |      |       |      | 006 6    | City of the Dalles |    |      |     |       | 13425 |
|                        |      |       |      | 999 9    | Balance of county  |    |      |     |       | 99999 |
|                        | 034  | 220   | 1    |          | Washington         |    | 067  | 2   | 6440  |       |
|                        |      |       |      | 004 4    | Beaverton          |    |      |     |       | 05350 |
|                        |      |       |      | 010 6    | Forest Grove       |    |      |     |       | 26200 |
|                        |      |       |      | 015 5    | Hillsboro          |    |      |     |       | 34100 |
|                        |      |       |      | 019 5    | Lake Oswego, part  |    |      |     |       | 40550 |
|                        |      |       |      | 027 2    | Portland, part     |    |      |     |       | 59000 |
|                        |      |       |      | 031 5    | Tigard             |    |      |     |       | 73650 |
|                        |      |       |      | 032 6    | Tualatin, part     |    |      |     |       | 74950 |
|                        |      |       |      | 999 9    | Balance of county  |    |      |     |       | 99999 |
|                        | 035  | 000   | 2    | 999 9    | Wheeler            |    | 069  | 6   | 0000  |       |
|                        | 036  | 220   | 1    |          | Yamhill            |    | 071  | 4   | 6440  |       |
|                        |      |       |      | 021 6    | McMinnville        |    |      |     |       | 45000 |
|                        |      |       |      | 024 6    | Newberg            |    |      |     |       | 52100 |
|                        |      |       |      | 999 9    | Balance of county  |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                          | St | Cnty | P/S | P/MSA | Place |
| 39                     |      |       |      |      |            | Pennsylvania                        | 42 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Adams                               |    | 001  | 4   | 0000  |       |
|                        | 002  | 217   | 1    |      |            | Allegheny                           |    | 003  | 0   | 6280  |       |
|                        |      |       |      | 006  | 6          | Baldwin borough                     |    |      |     |       | 03928 |
|                        |      |       |      | 010  | 5          | Bethel Park borough                 |    |      |     |       | 06064 |
|                        |      |       |      | 014  | 6          | Brentwood borough                   |    |      |     |       | 08416 |
|                        |      |       |      | 036  | 6          | Franklin Park borough               |    |      |     |       | 27552 |
|                        |      |       |      | 041  | 6          | Harrison Township                   |    |      |     |       | 32868 |
|                        |      |       |      | 065  | 5          | McCandless Township                 |    |      |     |       | 45904 |
|                        |      |       |      | 066  | 5          | McKeesport                          |    |      |     |       | 46256 |
|                        |      |       |      | 074  | 5          | Mount Lebanon                       |    |      |     |       | 51704 |
|                        |      |       |      | 076  | 6          | Munhall borough                     |    |      |     |       | 52320 |
|                        |      |       |      | 077  | 5          | Municipality of Monroeville borough |    |      |     |       | 52330 |
|                        |      |       |      | 088  | 6          | North Versailles                    |    |      |     |       | 55496 |
|                        |      |       |      | 091  | 4          | Penn Hills                          |    |      |     |       | 59040 |
|                        |      |       |      | 094  | 2          | Pittsburgh                          |    |      |     |       | 61000 |
|                        |      |       |      | 095  | 5          | Plum borough                        |    |      |     |       | 61536 |
|                        |      |       |      | 102  | 5          | Ross Township                       |    |      |     |       | 66356 |
|                        |      |       |      | 105  | 5          | Shaler Township                     |    |      |     |       | 69596 |
|                        |      |       |      | 107  | 6          | South Park Township                 |    |      |     |       | 72403 |
|                        |      |       |      | 118  | 6          | Swissvale borough                   |    |      |     |       | 75816 |
|                        |      |       |      | 129  | 6          | Upper St. Clair                     |    |      |     |       | 79312 |
|                        |      |       |      | 137  | 6          | West Mifflin borough                |    |      |     |       | 83512 |
|                        |      |       |      | 139  | 6          | Whitehall borough                   |    |      |     |       | 84512 |
|                        |      |       |      | 144  | 6          | Wilkinsburg borough                 |    |      |     |       | 85188 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    | 999  | 9          | Armstrong                           |    | 005  | 4   | 0000  |       |
|                        | 004  | 217   | 1    |      |            | Beaver                              |    | 007  | 3   | 6280  |       |
|                        |      |       |      | 002  | 6          | Aliquippa                           |    |      |     |       | 00820 |
|                        |      |       |      | 007  | 6          | Beaver Falls                        |    |      |     |       | 04792 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9          | Bedford                             |    | 009  | 5   | 0000  |       |
|                        | 006  | 228   | 1    |      |            | Berks                               |    | 011  | 2   | 6680  |       |
|                        |      |       |      | 075  | 6          | Muhlenberg township                 |    |      |     |       | 52200 |
|                        |      |       |      | 100  | 4          | Reading                             |    |      |     |       | 63624 |
|                        |      |       |      | 113  | 6          | Spring township                     |    |      |     |       | 72824 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 007  | 008   | 1    |      |            | Blair                               |    | 013  | 3   | 0280  |       |
|                        |      |       |      | 004  | 4          | Altoona                             |    |      |     |       | 02184 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 008  | 000   | 2    | 999  | 9          | Bradford                            |    | 015  | 4   | 0000  |       |
|                        | 009  | 214   | 1    |      |            | Bucks                               |    | 017  | 1   | 6160  |       |
|                        |      |       |      | 008  | 4          | Bensalem township                   |    |      |     |       | 05616 |
|                        |      |       |      | 015  | 6          | Bristol borough                     |    |      |     |       | 08760 |
|                        |      |       |      | 016  | 4          | Bristol township                    |    |      |     |       | 08768 |
|                        |      |       |      | 035  | 5          | Falls township                      |    |      |     |       | 25112 |
|                        |      |       |      | 059  | 5          | Lower Makefield township            |    |      |     |       | 44968 |
|                        |      |       |      | 064  | 6          | Lower Southampton township          |    |      |     |       | 45112 |
|                        |      |       |      | 071  | 5          | Middletown township                 |    |      |     |       | 49120 |
|                        |      |       |      | 084  | 6          | Newtown township                    |    |      |     |       | 54192 |
|                        |      |       |      | 086  | 5          | Northampton township                |    |      |     |       | 54688 |
|                        |      |       |      | 130  | 6          | Upper Southampton township          |    |      |     |       | 79296 |
|                        |      |       |      | 132  | 5          | Warminster township                 |    |      |     |       | 80952 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 010  | 217   | 1    |      |            | Butler                              |    | 019  | 3   | 6280  |       |
|                        |      |       |      | 017  | 6          | Butler                              |    |      |     |       | 10464 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 011  | 141   | 1    |      |            | Cambria                             |    | 021  | 3   | 3680  |       |
|                        |      |       |      | 050  | 5          | Johnstown                           |    |      |     |       | 38288 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Cameron                             |    | 023  | 6   | 0000  |       |
|                        | 013  | 007   | 1    | 999  | 9          | Carbon                              |    | 025  | 4   | 0240  |       |
|                        | 014  | 272   | 1    |      |            | Centre                              |    | 027  | 3   | 8050  |       |
|                        |      |       |      | 114  | 5          | State College borough               |    |      |     |       | 73808 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 015  | 214   | 1    |      |            | Chester                             |    | 029  | 2   | 6160  |       |
|                        |      |       |      | 018  | 6          | Caln township                       |    |      |     |       | 10824 |
|                        |      |       |      | 024  | 6          | Coatesville                         |    |      |     |       | 14712 |
|                        |      |       |      | 028  | 6          | East Goshen township                |    |      |     |       | 21192 |
|                        |      |       |      | 093  | 6          | Phoenixville borough                |    |      |     |       | 60120 |
|                        |      |       |      | 120  | 5          | Tredyffrin township                 |    |      |     |       | 77344 |
|                        |      |       |      | 131  | 6          | Uwchlan township                    |    |      |     |       | 79480 |
|                        |      |       |      | 135  | 6          | West Chester borough                |    |      |     |       | 82704 |
|                        |      |       |      | 136  | 6          | West Goshen township                |    |      |     |       | 83080 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                            |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                 | St | Cnty | P/S | P/MSA | Place |
| 39                     |      |       |      |      |            | Pennsylvania               | 42 |      |     |       |       |
|                        | 016  | 000   | 2    | 999  | 9          | Clarion                    |    | 031  | 5   | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9          | Clearfield                 |    | 033  | 4   | 0000  |       |
|                        | 018  | 000   | 2    | 999  | 9          | Clinton                    |    | 035  | 5   | 0000  |       |
|                        | 019  | 259   | 1    |      |            | Columbia                   |    | 037  | 4   | 7560  |       |
|                        |      |       |      | 009  | 6          | Berwick borough            |    |      |     |       | 05888 |
|                        |      |       |      | 013  | 6          | Bloomsburg                 |    |      |     |       | 07128 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 020  | 000   | 2    |      |            | Crawford                   |    | 039  | 4   | 0000  |       |
|                        |      |       |      | 069  | 6          | Meadville                  |    |      |     |       | 48360 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 021  | 121   | 1    |      |            | Cumberland                 |    | 041  | 3   | 3240  |       |
|                        |      |       |      | 020  | 6          | Carlisle borough           |    |      |     |       | 11272 |
|                        |      |       |      | 031  | 6          | East Pennsboro township    |    |      |     |       | 21680 |
|                        |      |       |      | 038  | 6          | Hampden township           |    |      |     |       | 32296 |
|                        |      |       |      | 057  | 6          | Lower Allen township       |    |      |     |       | 44832 |
|                        |      |       |      | 122  | 6          | Upper Allen township       |    |      |     |       | 78736 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 022  | 121   | 1    |      |            | Dauphin                    |    | 043  | 3   | 3240  |       |
|                        |      |       |      | 040  | 4          | Harrisburg                 |    |      |     |       | 32800 |
|                        |      |       |      | 062  | 5          | Lower Paxton township      |    |      |     |       | 45056 |
|                        |      |       |      | 116  | 6          | Susquehanna township       |    |      |     |       | 75528 |
|                        |      |       |      | 117  | 6          | Swatara township           |    |      |     |       | 75672 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 023  | 214   | 1    |      |            | Delaware                   |    | 045  | 1   | 6160  |       |
|                        |      |       |      | 005  | 6          | Aston township             |    |      |     |       | 03336 |
|                        |      |       |      | 023  | 5          | Chester                    |    |      |     |       | 13208 |
|                        |      |       |      | 026  | 6          | Darby borough              |    |      |     |       | 18152 |
|                        |      |       |      | 043  | 5          | Haverford township         |    |      |     |       | 33144 |
|                        |      |       |      | 055  | 6          | Lansdowne borough          |    |      |     |       | 41440 |
|                        |      |       |      | 068  | 6          | Marple township            |    |      |     |       | 47616 |
|                        |      |       |      | 070  | 6          | Middletown township        |    |      |     |       | 49136 |
|                        |      |       |      | 080  | 6          | Nether Providence Township |    |      |     |       | 53112 |
|                        |      |       |      | 083  | 6          | Newtown township           |    |      |     |       | 54224 |
|                        |      |       |      | 099  | 5          | Radnor Township            |    |      |     |       | 63268 |
|                        |      |       |      | 101  | 5          | Ridley township            |    |      |     |       | 64800 |
|                        |      |       |      | 110  | 6          | Springfield                |    |      |     |       | 73040 |
|                        |      |       |      | 123  | 6          | Upper Chichester township  |    |      |     |       | 78776 |
|                        |      |       |      | 124  | 4          | Upper Darby township       |    |      |     |       | 79000 |
|                        |      |       |      | 146  | 6          | Yeadon borough             |    |      |     |       | 86968 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9          | Elk                        |    | 047  | 5   | 0000  |       |
|                        | 025  | 087   | 1    |      |            | Erie                       |    | 049  | 2   | 2360  |       |
|                        |      |       |      | 034  | 3          | Erie                       |    |      |     |       | 24000 |
|                        |      |       |      | 072  | 5          | Millcreek township         |    |      |     |       | 49600 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 026  | 217   | 1    |      |            | Fayette                    |    | 051  | 3   | 6280  |       |
|                        |      |       |      | 121  | 6          | Uniontown                  |    |      |     |       | 78528 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9          | Forest                     |    | 053  | 6   | 0000  |       |
|                        | 028  | 000   | 2    |      |            | Franklin                   |    | 055  | 3   | 0000  |       |
|                        |      |       |      | 021  | 6          | Chambersburg borough       |    |      |     |       | 12536 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 029  | 000   | 2    | 999  | 9          | Fulton                     |    | 057  | 6   | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Greene                     |    | 059  | 5   | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Huntingdon                 |    | 061  | 5   | 0000  |       |
|                        | 032  | 000   | 2    |      |            | Indiana                    |    | 063  | 4   | 0000  |       |
|                        |      |       |      | 048  | 6          | Indiana borough            |    |      |     |       | 36816 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 033  | 000   | 2    | 999  | 9          | Jefferson                  |    | 065  | 5   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Juniata                    |    | 067  | 6   | 0000  |       |
|                        | 035  | 259   | 1    |      |            | Lackawanna                 |    | 069  | 3   | 7560  |       |
|                        |      |       |      | 019  | 6          | Carbondale                 |    |      |     |       | 11232 |
|                        |      |       |      | 027  | 6          | Dunmore borough            |    |      |     |       | 20352 |
|                        |      |       |      | 104  | 4          | Scranton                   |    |      |     |       | 69000 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 036  | 155   | 1    |      |            | Lancaster                  |    | 071  | 2   | 4000  |       |
|                        |      |       |      | 025  | 6          | Columbia borough           |    |      |     |       | 15384 |
|                        |      |       |      | 033  | 6          | Ephrata borough            |    |      |     |       | 23832 |
|                        |      |       |      | 052  | 4          | Lancaster                  |    |      |     |       | 41216 |
|                        |      |       |      | 053  | 6          | Lancaster township         |    |      |     |       | 41224 |
|                        |      |       |      | 067  | 5          | Manheim township           |    |      |     |       | 46896 |
|                        |      |       |      | 999  | 9          | Balance of county          |    |      |     |       | 99999 |
|                        | 037  | 000   | 2    |      |            | Lawrence                   |    | 073  | 4   | 0000  |       |
|                        |      |       |      | 081  | 5          | New Castle                 |    |      |     |       | 53368 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |  |     |      |      |       |        |
|------------------------|------|-------|------|------|------------|--|-----|------|------|-------|--------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                               | St  | Cnty | P/S  | P/MSA | Place  |
| 39                     |      |       |      |      |            | Pennsylvania                             | 42  |      |      |       |        |
|                        | 037  |       |      | 999  | 9          | Lawrence, con.<br>Balance of county      | 073 | 4    | 0000 |       | 999999 |
|                        | 038  | 121   | 1    | 056  | 6          | Lebanon                                  | 075 | 3    | 3240 |       | 42168  |
|                        |      |       |      | 999  | 9          | Lebanon<br>Balance of county             |     |      |      |       | 999999 |
|                        | 039  | 007   | 1    | 003  | 3          | Lehigh                                   | 077 | 2    | 0240 |       | 02000  |
|                        |      |       |      | 011  | 4          | Allentown                                |     |      |      |       | 06088  |
|                        |      |       |      | 032  | 6          | Bethlehem, part                          |     |      |      |       | 23584  |
|                        |      |       |      | 103  | 6          | Emmaus borough                           |     |      |      |       | 67576  |
|                        |      |       |      | 108  | 6          | Salisbury township                       |     |      |      |       | 72632  |
|                        |      |       |      | 140  | 6          | South Whitehall township                 |     |      |      |       | 84528  |
|                        |      |       |      | 999  | 9          | Whitehall township<br>Balance of county  |     |      |      |       | 999999 |
|                        | 040  | 259   | 1    | 044  | 6          | Luzerne                                  | 079 | 2    | 7560 |       | 33408  |
|                        |      |       |      | 051  | 6          | Hazleton                                 |     |      |      |       | 39784  |
|                        |      |       |      | 079  | 6          | Kingston borough                         |     |      |      |       | 52584  |
|                        |      |       |      | 143  | 5          | Nanticoke                                |     |      |      |       | 85152  |
|                        |      |       |      | 999  | 9          | Wilkes-Barre<br>Balance of county        |     |      |      |       | 999999 |
|                        | 041  | 303   | 1    | 145  | 5          | Lycoming                                 | 081 | 3    | 9140 |       | 85312  |
|                        |      |       |      | 999  | 9          | Williamsport<br>Balance of county        |     |      |      |       | 999999 |
|                        | 042  | 000   | 2    | 999  | 9          | McKean                                   | 083 | 5    | 0000 |       |        |
|                        | 043  | 261   | 1    | 046  | 6          | Mercer                                   | 085 | 3    | 7610 |       | 34064  |
|                        |      |       |      | 106  | 6          | Hermitage                                |     |      |      |       | 69720  |
|                        |      |       |      | 999  | 9          | Sharon<br>Balance of county              |     |      |      |       | 999999 |
|                        | 044  | 000   | 2    | 999  | 9          | Mifflin                                  | 087 | 5    | 0000 |       |        |
|                        | 045  | 000   | 2    | 999  | 9          | Monroe                                   | 089 | 4    | 0000 |       |        |
|                        | 046  | 214   | 1    | 001  | 4          | Montgomery                               | 091 | 1    | 6160 |       | 00156  |
|                        |      |       |      | 022  | 5          | Abington township                        |     |      |      |       | 12968  |
|                        |      |       |      | 029  | 6          | Cheltenham township                      |     |      |      |       | 21608  |
|                        |      |       |      | 042  | 6          | East Norriton                            |     |      |      |       | 33120  |
|                        |      |       |      | 047  | 6          | Hatfield township                        |     |      |      |       | 35808  |
|                        |      |       |      | 054  | 6          | Horsham township                         |     |      |      |       | 41432  |
|                        |      |       |      | 060  | 4          | Lansdale borough                         |     |      |      |       | 44976  |
|                        |      |       |      | 061  | 6          | Lower Merion township                    |     |      |      |       | 45008  |
|                        |      |       |      | 063  | 6          | Lower Moreland township                  |     |      |      |       | 45080  |
|                        |      |       |      | 073  | 6          | Lower Providence township                |     |      |      |       | 50640  |
|                        |      |       |      | 085  | 5          | Montgomery township                      |     |      |      |       | 54656  |
|                        |      |       |      | 096  | 6          | Norristown borough                       |     |      |      |       | 61664  |
|                        |      |       |      | 097  | 6          | Plymouth township                        |     |      |      |       | 62416  |
|                        |      |       |      | 111  | 6          | Pottstown borough                        |     |      |      |       | 73088  |
|                        |      |       |      | 119  | 6          | Springfield township                     |     |      |      |       | 77152  |
|                        |      |       |      | 125  | 6          | Towamencin township                      |     |      |      |       | 79008  |
|                        |      |       |      | 126  | 6          | Upper Dublin township                    |     |      |      |       | 79056  |
|                        |      |       |      | 127  | 5          | Upper Gwynedd township                   |     |      |      |       | 79136  |
|                        |      |       |      | 128  | 5          | Upper Merion township                    |     |      |      |       | 79176  |
|                        |      |       |      | 138  | 6          | Upper Moreland township                  |     |      |      |       | 83704  |
|                        |      |       |      | 141  | 6          | West Norriton                            |     |      |      |       | 84624  |
|                        |      |       |      | 142  | 6          | Whitemarsh township                      |     |      |      |       | 84888  |
|                        |      |       |      | 999  | 9          | Whitpain township<br>Balance of county   |     |      |      |       | 999999 |
|                        | 047  | 000   | 2    | 999  | 9          | Montour                                  | 093 | 6    | 0000 |       |        |
|                        | 048  | 007   | 1    | 011  | 4          | Northampton                              | 095 | 3    | 0240 |       | 06088  |
|                        |      |       |      | 012  | 6          | Bethlehem, part                          |     |      |      |       | 06096  |
|                        |      |       |      | 030  | 5          | Bethlehem township                       |     |      |      |       | 21648  |
|                        |      |       |      | 090  | 6          | Easton                                   |     |      |      |       | 57672  |
|                        |      |       |      | 999  | 9          | Palmer township<br>Balance of county     |     |      |      |       | 999999 |
|                        | 049  | 000   | 2    | 115  | 6          | Northumberland                           | 097 | 4    | 0000 |       | 75304  |
|                        |      |       |      | 999  | 9          | Sunbury<br>Balance of county             |     |      |      |       | 999999 |
|                        | 050  | 121   | 1    | 999  | 9          | Perry                                    | 099 | 5    | 3240 |       |        |
|                        | 051  | 214   | 1    | 092  | 0          | Philadelphia, coext. with Philadelphia c | 101 | 0    | 6160 |       | 60000  |
|                        | 052  | 199   | 1    | 999  | 9          | Pike                                     | 103 | 5    | 5660 |       |        |
|                        | 053  | 000   | 2    | 999  | 9          | Potter                                   | 105 | 6    | 0000 |       |        |
|                        | 054  | 000   | 2    | 098  | 6          | Schuylkill                               | 107 | 3    | 0000 |       |        |
|                        |      |       |      | 999  | 9          | Pottsville<br>Balance of county          |     |      |      |       | 62432  |
|                        |      |       |      | 999  | 9          |  |     |      |      |       | 999999 |
|                        | 055  | 000   | 2    | 999  | 9          | Snyder                                   | 109 | 5    | 0000 |       |        |
|                        | 056  | 141   | 1    | 999  | 9          | Somerset                                 | 111 | 4    | 3680 |       |        |
|                        | 057  | 000   | 2    | 999  | 9          | Sullivan                                 | 113 | 6    | 0000 |       |        |
|                        | 058  | 000   | 2    | 999  | 9          | Susquehanna                              | 115 | 5    | 0000 |       |        |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                          | St | Cnty | P/S | P/MSA | Place |
| 39                     |      |       |      |      |            | Pennsylvania                        | 42 |      |     |       |       |
|                        | 059  | 000   | 2    | 999  | 9          | Tioga                               |    | 117  | 5   | 0000  |       |
|                        | 060  | 000   | 2    | 999  | 9          | Union                               |    | 119  | 5   | 0000  |       |
|                        | 061  | 000   | 2    |      |            | Venango                             |    | 121  | 4   | 0000  |       |
|                        |      |       |      | 089  | 6          | Oil City                            |    |      |     |       | 56456 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 062  | 000   | 2    |      |            | Warren                              |    | 123  | 5   | 0000  |       |
|                        |      |       |      | 133  | 6          | Warren                              |    |      |     |       | 81000 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 063  | 217   | 1    |      |            | Washington                          |    | 125  | 3   | 6280  |       |
|                        |      |       |      | 134  | 6          | Washington                          |    |      |     |       | 81328 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 064  | 000   | 2    | 999  | 9          | Wayne                               |    | 127  | 5   | 0000  |       |
|                        | 065  | 217   | 1    |      |            | Westmoreland                        |    | 129  | 2   | 6280  |       |
|                        |      |       |      | 037  | 6          | Greensburg                          |    |      |     |       | 31200 |
|                        |      |       |      | 045  | 5          | Hempfield township                  |    |      |     |       | 33792 |
|                        |      |       |      | 049  | 6          | Jeannette                           |    |      |     |       | 37784 |
|                        |      |       |      | 058  | 6          | Lower Burrell                       |    |      |     |       | 44864 |
|                        |      |       |      | 078  | 6          | Municipality of Murrysville borough |    |      |     |       | 52332 |
|                        |      |       |      | 082  | 6          | New Kensington                      |    |      |     |       | 53736 |
|                        |      |       |      | 087  | 5          | North Huntingdon township           |    |      |     |       | 55128 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |
|                        | 066  | 259   | 1    | 999  | 9          | Wyoming                             |    | 131  | 5   | 7560  |       |
|                        | 067  | 308   | 1    |      |            | York                                |    | 133  | 2   | 9280  |       |
|                        |      |       |      | 039  | 6          | Hanover borough                     |    |      |     |       | 32448 |
|                        |      |       |      | 109  | 6          | Springettsbury township             |    |      |     |       | 72992 |
|                        |      |       |      | 112  | 6          | Spring Garden township              |    |      |     |       | 73168 |
|                        |      |       |      | 147  | 5          | York                                |    |      |     |       | 87048 |
|                        |      |       |      | 999  | 9          | Balance of county                   |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 40                     |      |       |      |      |            | Rhode Island      | 44 |      |     |       |       |
|                        | 001  | 221   | 1    |      |            | Bristol           |    | 001  | 5   | 6483  |       |
|                        |      |       |      | 001  | 6          | Barrington        |    |      |     |       | 04960 |
|                        |      |       |      | 002  | 6          | Bristol           |    |      |     |       | 09460 |
|                        |      |       |      | 015  | 6          | Warren town       |    |      |     |       | 73760 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 002  | 221   | 1    |      |            | Kent              |    | 003  | 3   | 6483  |       |
|                        |      |       |      | 004  | 5          | Coventry town     |    |      |     |       | 18640 |
|                        |      |       |      | 016  | 4          | Warwick           |    |      |     |       | 74300 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Newport           |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 009  | 6          | Middletown town   |    |      |     |       | 45460 |
|                        |      |       |      | 011  | 5          | Newport           |    |      |     |       | 49960 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 221   | 1    |      |            | Providence        |    | 007  | 1   | 6483  |       |
|                        |      |       |      | 003  | 6          | Central Falls     |    |      |     |       | 14140 |
|                        |      |       |      | 005  | 4          | Cranston          |    |      |     |       | 19180 |
|                        |      |       |      | 006  | 5          | Cumberland town   |    |      |     |       | 20080 |
|                        |      |       |      | 007  | 4          | East Providence   |    |      |     |       | 22960 |
|                        |      |       |      | 008  | 5          | Johnston town     |    |      |     |       | 37720 |
|                        |      |       |      | 012  | 5          | North Providence  |    |      |     |       | 51940 |
|                        |      |       |      | 013  | 4          | Pawtucket         |    |      |     |       | 54640 |
|                        |      |       |      | 014  | 3          | Providence        |    |      |     |       | 59000 |
|                        |      |       |      | 017  | 5          | Woonsocket        |    |      |     |       | 80780 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 221   | 1    |      |            | Washington        |    | 009  | 3   | 6483  |       |
|                        |      |       |      | 010  | 6          | Narragansett town |    |      |     |       | 48340 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                        |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names             | St  | Cnty | P/S | P/MSA | Place |
| 41                     |      |       |      |      |            | South Carolina         | 45  |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Abbeville              | 001 | 6    |     | 0000  |       |
|                        | 002  | 018   | 1    |      |            | Aiken                  | 003 | 3    |     | 0600  |       |
|                        |      |       |      | 001  | 6          | Aiken                  |     |      |     |       | 00550 |
|                        |      |       |      | 022  | 6          | North Augusta, part    |     |      |     |       | 50695 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 003  | 000   | 2    | 999  | 9          | Allendale              | 005 | 6    |     | 0000  |       |
|                        | 004  | 118   | 1    |      |            | Anderson               | 007 | 3    |     | 3160  |       |
|                        |      |       |      | 002  | 5          | Anderson               |     |      |     |       | 01360 |
|                        |      |       |      | 006  | 6          | Clemson, part          |     |      |     |       | 14950 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9          | Bamberg                | 009 | 6    |     | 0000  |       |
|                        | 006  | 000   | 2    | 999  | 9          | Barnwell               | 011 | 6    |     | 0000  |       |
|                        | 007  | 000   | 2    |      |            | Beaufort               | 013 | 4    |     | 0000  |       |
|                        |      |       |      | 016  | 6          | Hilton Head Island     |     |      |     |       | 34045 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 008  | 049   | 1    |      |            | Berkeley               | 015 | 3    |     | 1440  |       |
|                        |      |       |      | 011  | 6          | Goose Creek            |     |      |     |       | 29815 |
|                        |      |       |      | 015  | 6          | Hanahan                |     |      |     |       | 32065 |
|                        |      |       |      | 023  | 4          | North Charleston, part |     |      |     |       | 50875 |
|                        |      |       |      | 028  | 6          | Summerville, part      |     |      |     |       | 70270 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 009  | 000   | 2    | 999  | 9          | Calhoun                | 017 | 6    |     | 0000  |       |
|                        | 010  | 049   | 1    |      |            | Charleston             | 019 | 2    |     | 1440  |       |
|                        |      |       |      | 005  | 4          | Charleston             |     |      |     |       | 13330 |
|                        |      |       |      | 019  | 5          | Mount Pleasant         |     |      |     |       | 48535 |
|                        |      |       |      | 023  | 4          | North Charleston, part |     |      |     |       | 50875 |
|                        |      |       |      | 028  | 6          | Summerville, part      |     |      |     |       | 70270 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 011  | 118   | 1    |      |            | Cherokee               | 021 | 5    |     | 3160  |       |
|                        |      |       |      | 010  | 6          | Gaffney                |     |      |     |       | 28060 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Chester                | 023 | 5    |     | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Chesterfield           | 025 | 5    |     | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Clarendon              | 027 | 5    |     | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9          | Colleton               | 029 | 5    |     | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Darlington             | 031 | 4    |     | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9          | Dillon                 | 033 | 5    |     | 0000  |       |
|                        | 018  | 049   | 1    |      |            | Dorchester             | 035 | 4    |     | 1440  |       |
|                        |      |       |      | 023  | 4          | North Charleston, part |     |      |     |       | 50875 |
|                        |      |       |      | 028  | 6          | Summerville, part      |     |      |     |       | 70270 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 019  | 018   | 1    |      |            | Edgefield              | 037 | 6    |     | 0600  |       |
|                        |      |       |      | 022  | 6          | North Augusta, part    |     |      |     |       | 50695 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 020  | 000   | 2    | 999  | 9          | Fairfield              | 039 | 6    |     | 0000  |       |
|                        | 021  | 095   | 1    |      |            | Florence               | 041 | 3    |     | 2655  |       |
|                        |      |       |      | 009  | 5          | Florence               |     |      |     |       | 25810 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 022  | 000   | 2    | 999  | 9          | Georgetown             | 043 | 5    |     | 0000  |       |
|                        | 023  | 118   | 1    |      |            | Greenville             | 045 | 2    |     | 3160  |       |
|                        |      |       |      | 012  | 4          | Greenville             |     |      |     |       | 30850 |
|                        |      |       |      | 014  | 6          | Greer, part            |     |      |     |       | 30985 |
|                        |      |       |      | 018  | 6          | Mauldin                |     |      |     |       | 45115 |
|                        |      |       |      | 026  | 6          | Simpsonville           |     |      |     |       | 66580 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 024  | 000   | 2    |      |            | Greenwood              | 047 | 4    |     | 0000  |       |
|                        |      |       |      | 013  | 6          | Greenwood              |     |      |     |       | 30895 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 025  | 000   | 2    | 999  | 9          | Hampton                | 049 | 6    |     | 0000  |       |
|                        | 026  | 190   | 1    |      |            | Horry                  | 051 | 3    |     | 5330  |       |
|                        |      |       |      | 020  | 6          | Myrtle Beach           |     |      |     |       | 49075 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9          | Jasper                 | 053 | 6    |     | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | Kershaw                | 055 | 5    |     | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Lancaster              | 057 | 4    |     | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Laurens                | 059 | 4    |     | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Lee                    | 061 | 6    |     | 0000  |       |
|                        | 032  | 062   | 1    |      |            | Lexington              | 063 | 3    |     | 1760  |       |
|                        |      |       |      | 004  | 6          | Cayce                  |     |      |     |       | 12655 |
|                        |      |       |      | 017  | 6          | Irmo, part             |     |      |     |       | 35890 |
|                        |      |       |      | 030  | 6          | West Columbia          |     |      |     |       | 75850 |
|                        |      |       |      | 999  | 9          | Balance of county      |     |      |     |       | 99999 |
|                        | 033  | 000   | 2    | 999  | 9          | McCormick              | 065 | 6    |     | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Marion                 | 067 | 5    |     | 0000  |       |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 41                     |      |       |      |      |            | South Carolina    | 45 |      |     |       |       |
|                        | 035  | 000   | 2    |      |            | Marlboro          |    | 069  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6          | Bennettsville     |    |      |     |       | 05680 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 036  | 000   | 2    |      |            | Newberry          |    | 071  | 5   | 0000  |       |
|                        |      |       |      | 021  | 6          | Newberry          |    |      |     |       | 49570 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 037  | 000   | 2    |      |            | Oconee            |    | 073  | 4   | 0000  |       |
|                        | 038  | 000   | 2    |      |            | Orangeburg        |    | 075  | 4   | 0000  |       |
|                        |      |       |      | 024  | 6          | Orangeburg        |    |      |     |       | 53080 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 039  | 118   | 1    |      |            | Pickens           |    | 077  | 4   | 3160  |       |
|                        |      |       |      | 006  | 6          | Clemson, part     |    |      |     |       | 14950 |
|                        |      |       |      | 008  | 6          | Easley            |    |      |     |       | 21985 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 040  | 062   | 1    |      |            | Richland          |    | 079  | 2   | 1760  |       |
|                        |      |       |      | 007  | 4          | Columbia          |    |      |     |       | 16000 |
|                        |      |       |      | 017  | 6          | Irmo, part        |    |      |     |       | 35890 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 041  | 000   | 2    |      |            | Saluda            |    | 081  | 6   | 0000  |       |
|                        | 042  | 118   | 1    |      |            | Spartanburg       |    | 083  | 3   | 3160  |       |
|                        |      |       |      | 014  | 6          | Greer, part       |    |      |     |       | 30985 |
|                        |      |       |      | 027  | 5          | Spartanburg       |    |      |     |       | 68290 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 043  | 275   | 1    |      |            | Sumter            |    | 085  | 3   | 8140  |       |
|                        |      |       |      | 029  | 5          | Sumter            |    |      |     |       | 70405 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 044  | 000   | 2    |      |            | Union             |    | 087  | 5   | 0000  |       |
|                        | 045  | 000   | 2    |      |            | Williamsburg      |    | 089  | 5   | 0000  |       |
|                        | 046  | 051   | 1    |      |            | York              |    | 091  | 3   | 1520  |       |
|                        |      |       |      | 025  | 5          | Rock Hill         |    |      |     |       | 61405 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 42                     |      |       |      |      |            | South Dakota      | 46 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Aurora            |    | 003  | 6   | 0000  |       |
|                        | 002  | 000   | 2    |      |            | Beadle            |    | 005  | 6   | 0000  |       |
|                        |      |       |      | 003  | 6          | Huron             |    |      |     |       | 31060 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    | 999  | 9          | Bennett           |    | 007  | 6   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Bon Homme         |    | 009  | 6   | 0000  |       |
|                        | 005  | 000   | 2    |      |            | Brookings         |    | 011  | 5   | 0000  |       |
|                        |      |       |      | 002  | 6          | Brookings         |    |      |     |       | 07580 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 006  | 000   | 2    |      |            | Brown             |    | 013  | 5   | 0000  |       |
|                        |      |       |      | 001  | 6          | Aberdeen          |    |      |     |       | 00100 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999  | 9          | Brule             |    | 015  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9          | Buffalo           |    | 017  | 6   | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9          | Butte             |    | 019  | 6   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Campbell          |    | 021  | 6   | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Charles Mix       |    | 023  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Clark             |    | 025  | 6   | 0000  |       |
|                        | 013  | 000   | 2    |      |            | Clay              |    | 027  | 6   | 0000  |       |
|                        |      |       |      | 008  | 6          | Vermillion        |    |      |     |       | 66700 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 014  | 000   | 2    |      |            | Codington         |    | 029  | 6   | 0000  |       |
|                        |      |       |      | 009  | 6          | Watertown         |    |      |     |       | 69300 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 015  | 000   | 2    | 999  | 9          | Corson            |    | 031  | 6   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9          | Custer            |    | 033  | 6   | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Davison           |    | 035  | 6   | 0000  |       |
|                        |      |       |      | 004  | 6          | Mitchell          |    |      |     |       | 43100 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | Day               |    | 037  | 6   | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9          | Deuel             |    | 039  | 6   | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9          | Dewey             |    | 041  | 6   | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9          | Douglas           |    | 043  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Edmunds           |    | 045  | 6   | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9          | Fall River        |    | 047  | 6   | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9          | Faulk             |    | 049  | 6   | 0000  |       |
|                        | 025  | 000   | 2    | 999  | 9          | Grant             |    | 051  | 6   | 0000  |       |
|                        | 026  | 000   | 2    | 999  | 9          | Gregory           |    | 053  | 6   | 0000  |       |
|                        | 027  | 000   | 2    | 999  | 9          | Haakon            |    | 055  | 6   | 0000  |       |
|                        | 028  | 000   | 2    | 999  | 9          | Hamlin            |    | 057  | 6   | 0000  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Hand              |    | 059  | 6   | 0000  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Hanson            |    | 061  | 6   | 0000  |       |
|                        | 031  | 000   | 2    | 999  | 9          | Harding           |    | 063  | 6   | 0000  |       |
|                        | 032  | 000   | 2    |      |            | Hughes            |    | 065  | 6   | 0000  |       |
|                        |      |       |      | 005  | 6          | Pierre            |    |      |     |       | 49600 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 033  | 000   | 2    | 999  | 9          | Hutchinson        |    | 067  | 6   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Hyde              |    | 069  | 6   | 0000  |       |
|                        | 035  | 000   | 2    | 999  | 9          | Jackson           |    | 071  | 6   | 0000  |       |
|                        | 036  | 000   | 2    | 999  | 9          | Jerauld           |    | 073  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9          | Jones             |    | 075  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Kingsbury         |    | 077  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Lake              |    | 079  | 6   | 0000  |       |
|                        | 040  | 000   | 2    | 999  | 9          | Lawrence          |    | 081  | 6   | 0000  |       |
|                        | 041  | 266   | 1    |      |            | Lincoln           |    | 083  | 6   | 7760  |       |
|                        |      |       |      | 007  | 3          | Sioux Falls, part |    |      |     |       | 59020 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 042  | 000   | 2    | 999  | 9          | Lyman             |    | 085  | 6   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | McCook            |    | 087  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | McPherson         |    | 089  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Marshall          |    | 091  | 6   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Meade             |    | 093  | 6   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9          | Mellette          |    | 095  | 6   | 0000  |       |
|                        | 048  | 000   | 2    | 999  | 9          | Miner             |    | 097  | 6   | 0000  |       |
|                        | 049  | 266   | 1    |      |            | Minnehaha         |    | 099  | 3   | 7760  |       |
|                        |      |       |      | 007  | 3          | Sioux Falls, part |    |      |     |       | 59020 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 050  | 000   | 2    | 999  | 9          | Moody             |    | 101  | 6   | 0000  |       |
|                        | 051  | 227   | 1    |      |            | Pennington        |    | 103  | 4   | 6660  |       |
|                        |      |       |      | 006  | 4          | Rapid City        |    |      |     |       | 52980 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 052  | 000   | 2    | 999  | 9          | Perkins           |    | 105  | 6   | 0000  |       |
|                        | 053  | 000   | 2    | 999  | 9          | Potter            |    | 107  | 6   | 0000  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Roberts           |    | 109  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 42                     |      |       |      |      |     | South Dakota      | 46 |      |     |       |       |
|                        | 055  | 000   | 2    | 999  | 9   | Sanborn           |    | 111  | 6   | 0000  |       |
|                        | 056  | 000   | 2    | 999  | 9   | Shannon           |    | 113  | 6   | 0000  |       |
|                        | 057  | 000   | 2    | 999  | 9   | Spink             |    | 115  | 6   | 0000  |       |
|                        | 058  | 000   | 2    | 999  | 9   | Stanley           |    | 117  | 6   | 0000  |       |
|                        | 059  | 000   | 2    | 999  | 9   | Sully             |    | 119  | 6   | 0000  |       |
|                        | 060  | 000   | 2    | 999  | 9   | Todd              |    | 121  | 6   | 0000  |       |
|                        | 061  | 000   | 2    | 999  | 9   | Tripp             |    | 123  | 6   | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9   | Turner            |    | 125  | 6   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9   | Union             |    | 127  | 6   | 0000  |       |
|                        | 064  | 000   | 2    | 999  | 9   | Walworth          |    | 129  | 6   | 0000  |       |
|                        | 065  | 000   | 2    |      |     | Yankton           |    | 135  | 6   | 0000  |       |
|                        |      |       |      | 010  | 6   | Yankton           |    |      |     |       | 73060 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 066  | 000   | 2    | 999  | 9   | Ziebach           |    | 137  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |     |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St  | Cnty | P/S | P/MSA | Place |
| 43                     |      |       |      |      |            | Tennessee            | 47  |      |     |       |       |
|                        | 001  | 148   | 1    |      |            | Anderson             | 001 | 4    |     | 3840  |       |
|                        |      |       |      | 035  | 5          | Oak Ridge, part      |     |      |     |       | 55120 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 002  | 000   | 2    |      |            | Bedford              | 003 | 5    |     | 0000  |       |
|                        |      |       |      | 037  | 6          | Shelbyville          |     |      |     |       | 67760 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Benton               | 005 | 6    |     | 0000  |       |
|                        | 004  | 000   | 2    |      |            | Bledsoe              | 007 | 6    |     | 0000  |       |
|                        | 005  | 148   | 1    |      |            | Blount               | 009 | 4    |     | 3840  |       |
|                        |      |       |      | 029  | 6          | Maryville            |     |      |     |       | 46380 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 006  | 000   | 2    |      |            | Bradley              | 011 | 4    |     | 0000  |       |
|                        |      |       |      | 008  | 5          | Cleveland            |     |      |     |       | 15400 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 007  | 000   | 2    |      |            | Campbell             | 013 | 5    |     | 0000  |       |
|                        | 008  | 000   | 2    |      |            | Cannon               | 015 | 6    |     | 0000  |       |
|                        | 009  | 000   | 2    |      |            | Carroll              | 017 | 5    |     | 0000  |       |
|                        | 010  | 140   | 1    |      |            | Carter               | 019 | 4    |     | 3660  |       |
|                        |      |       |      | 014  | 6          | Elizabethton         |     |      |     |       | 23500 |
|                        |      |       |      | 023  | 5          | Johnson City, part   |     |      |     |       | 38320 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 011  | 192   | 1    |      |            | Cheatham             | 021 | 5    |     | 5360  |       |
|                        | 012  | 000   | 2    |      |            | Chester              | 023 | 6    |     | 0000  |       |
|                        | 013  | 000   | 2    |      |            | Claiborne            | 025 | 5    |     | 0000  |       |
|                        | 014  | 000   | 2    |      |            | Clay                 | 027 | 6    |     | 0000  |       |
|                        | 015  | 000   | 2    |      |            | Cocke                | 029 | 5    |     | 0000  |       |
|                        | 016  | 000   | 2    |      |            | Coffee               | 031 | 5    |     | 0000  |       |
|                        |      |       |      | 040  | 6          | Tullahoma, part      |     |      |     |       | 75320 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 017  | 000   | 2    |      |            | Crockett             | 033 | 6    |     | 0000  |       |
|                        | 018  | 000   | 2    |      |            | Cumberland           | 035 | 5    |     | 0000  |       |
|                        | 019  | 192   | 1    |      |            | Davidson             | 037 | 1    |     | 5360  |       |
|                        |      |       |      | 019  | 6          | Goodlettsville, part |     |      |     |       | 29920 |
|                        |      |       |      | 034  | 2          | Nashville-Davidson   |     |      |     |       | 52010 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 020  | 000   | 2    |      |            | Decatur              | 039 | 6    |     | 0000  |       |
|                        | 021  | 000   | 2    |      |            | De Kalb              | 041 | 6    |     | 0000  |       |
|                        | 022  | 192   | 1    |      |            | Dickson              | 043 | 5    |     | 5360  |       |
|                        | 023  | 000   | 2    |      |            | Dyer                 | 045 | 5    |     | 0000  |       |
|                        |      |       |      | 012  | 6          | Dyersburg            |     |      |     |       | 22200 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 024  | 178   | 1    |      |            | Fayette              | 047 | 5    |     | 4920  |       |
|                        | 025  | 000   | 2    |      |            | Fentress             | 049 | 6    |     | 0000  |       |
|                        | 026  | 000   | 2    |      |            | Franklin             | 051 | 5    |     | 0000  |       |
|                        |      |       |      | 040  | 6          | Tullahoma, part      |     |      |     |       | 75320 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 027  | 000   | 2    |      |            | Gibson               | 053 | 5    |     | 0000  |       |
|                        | 028  | 000   | 2    |      |            | Giles                | 055 | 5    |     | 0000  |       |
|                        | 029  | 000   | 2    |      |            | Grainger             | 057 | 6    |     | 0000  |       |
|                        | 030  | 000   | 2    |      |            | Greene               | 059 | 4    |     | 0000  |       |
|                        |      |       |      | 020  | 6          | Greeneville          |     |      |     |       | 30980 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 031  | 000   | 2    |      |            | Grundy               | 061 | 6    |     | 0000  |       |
|                        | 032  | 000   | 2    |      |            | Hamblen              | 063 | 4    |     | 0000  |       |
|                        |      |       |      | 032  | 6          | Morristown           |     |      |     |       | 50280 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 033  | 053   | 1    |      |            | Hamilton             | 065 | 2    |     | 1560  |       |
|                        |      |       |      | 006  | 3          | Chattanooga          |     |      |     |       | 14000 |
|                        |      |       |      | 013  | 6          | East Ridge           |     |      |     |       | 22720 |
|                        |      |       |      | 036  | 6          | Red Bank             |     |      |     |       | 61960 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 034  | 000   | 2    |      |            | Hancock              | 067 | 6    |     | 0000  |       |
|                        | 035  | 000   | 2    |      |            | Hardeman             | 069 | 6    |     | 0000  |       |
|                        | 036  | 000   | 2    |      |            | Hardin               | 071 | 6    |     | 0000  |       |
|                        | 037  | 140   | 1    |      |            | Hawkins              | 073 | 5    |     | 3660  |       |
|                        |      |       |      | 024  | 5          | Kingsport, part      |     |      |     |       | 39560 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 038  | 000   | 2    |      |            | Haywood              | 075 | 6    |     | 0000  |       |
|                        |      |       |      | 005  | 6          | Brownsville          |     |      |     |       | 08920 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |     |       | 99999 |
|                        | 039  | 000   | 2    |      |            | Henderson            | 077 | 6    |     | 0000  |       |
|                        | 040  | 000   | 2    |      |            | Henry                | 079 | 5    |     | 0000  |       |
|                        | 041  | 000   | 2    |      |            | Hickman              | 081 | 6    |     | 0000  |       |
|                        | 042  | 000   | 2    |      |            | Houston              | 083 | 6    |     | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes         |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|--------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names         | St | Cnty | P/S | P/MSA | Place |
| 43                     |      |       |      |      |     | Tennessee          | 47 |      |     |       |       |
|                        | 043  | 000   | 2    | 999  | 9   | Humphreys          |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9   | Jackson            |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9   | Jefferson          |    | 089  | 5   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9   | Johnson            |    | 091  | 6   | 0000  |       |
|                        | 047  | 148   | 1    |      |     | Knox               |    | 093  | 2   | 3840  |       |
|                        |      |       |      | 015  | 6   | Farragut, part     |    |      |     |       | 25760 |
|                        |      |       |      | 025  | 3   | Knoxville          |    |      |     |       | 40000 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 048  | 000   | 2    | 999  | 9   | Lake               |    | 095  | 6   | 0000  |       |
|                        | 049  | 000   | 2    | 999  | 9   | Lauderdale         |    | 097  | 6   | 0000  |       |
|                        | 050  | 000   | 2    |      |     | Lawrence           |    | 099  | 5   | 0000  |       |
|                        |      |       |      | 026  | 6   | Lawrenceburg       |    |      |     |       | 41340 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 051  | 000   | 2    | 999  | 9   | Lewis              |    | 101  | 6   | 0000  |       |
|                        | 052  | 000   | 2    | 999  | 9   | Lincoln            |    | 103  | 5   | 0000  |       |
|                        | 053  | 148   | 1    |      |     | Loudon             |    | 105  | 5   | 3840  |       |
|                        |      |       |      | 015  | 6   | Farragut, part     |    |      |     |       | 25760 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 054  | 000   | 2    |      |     | McMinn             |    | 107  | 5   | 0000  |       |
|                        |      |       |      | 001  | 6   | Athens             |    |      |     |       | 02320 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 055  | 000   | 2    | 999  | 9   | McNairy            |    | 109  | 6   | 0000  |       |
|                        | 056  | 000   | 2    | 999  | 9   | Macon              |    | 111  | 6   | 0000  |       |
|                        | 057  | 134   | 1    |      |     | Madison            |    | 113  | 4   | 3580  |       |
|                        |      |       |      | 022  | 5   | Jackson            |    |      |     |       | 37640 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 058  | 053   | 1    | 999  | 9   | Marion             |    | 115  | 6   | 1560  |       |
|                        | 059  | 000   | 2    | 999  | 9   | Marshall           |    | 117  | 6   | 0000  |       |
|                        | 060  | 000   | 2    |      |     | Maury              |    | 119  | 4   | 0000  |       |
|                        |      |       |      | 010  | 5   | Columbia           |    |      |     |       | 16540 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 061  | 000   | 2    | 999  | 9   | Meigs              |    | 121  | 6   | 0000  |       |
|                        | 062  | 000   | 2    | 999  | 9   | Monroe             |    | 123  | 5   | 0000  |       |
|                        | 063  | 058   | 1    |      |     | Montgomery         |    | 125  | 3   | 1660  |       |
|                        |      |       |      | 007  | 4   | Clarksville        |    |      |     |       | 15160 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 064  | 000   | 2    | 999  | 9   | Moore              |    | 127  | 6   | 0000  |       |
|                        | 065  | 000   | 2    | 999  | 9   | Morgan             |    | 129  | 6   | 0000  |       |
|                        | 066  | 000   | 2    |      |     | Obion              |    | 131  | 5   | 0000  |       |
|                        |      |       |      | 041  | 6   | Union City         |    |      |     |       | 75940 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 067  | 000   | 2    | 999  | 9   | Overton            |    | 133  | 6   | 0000  |       |
|                        | 068  | 000   | 2    | 999  | 9   | Perry              |    | 135  | 6   | 0000  |       |
|                        | 069  | 000   | 2    | 999  | 9   | Pickett            |    | 137  | 6   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9   | Polk               |    | 139  | 6   | 0000  |       |
|                        | 071  | 000   | 2    |      |     | Putnam             |    | 141  | 4   | 0000  |       |
|                        |      |       |      | 011  | 6   | Cookeville         |    |      |     |       | 16920 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 072  | 000   | 2    | 999  | 9   | Rhea               |    | 143  | 6   | 0000  |       |
|                        | 073  | 000   | 2    |      |     | Roane              |    | 145  | 5   | 0000  |       |
|                        |      |       |      | 035  | 5   | Oak Ridge, part    |    |      |     |       | 55120 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 074  | 192   | 1    |      |     | Robertson          |    | 147  | 5   | 5360  |       |
|                        |      |       |      | 039  | 6   | Springfield        |    |      |     |       | 70500 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 075  | 192   | 1    |      |     | Rutherford         |    | 149  | 3   | 5360  |       |
|                        |      |       |      | 033  | 5   | Murfreesboro       |    |      |     |       | 51560 |
|                        |      |       |      | 038  | 6   | Smyrna             |    |      |     |       | 69420 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 076  | 000   | 2    | 999  | 9   | Scott              |    | 151  | 6   | 0000  |       |
|                        | 077  | 000   | 2    | 999  | 9   | Sequatchie         |    | 153  | 6   | 0000  |       |
|                        | 078  | 148   | 1    | 999  | 9   | Sevier             |    | 155  | 4   | 3840  |       |
|                        | 079  | 178   | 1    |      |     | Shelby             |    | 157  | 1   | 4920  |       |
|                        |      |       |      | 002  | 5   | Bartlett           |    |      |     |       | 03440 |
|                        |      |       |      | 009  | 6   | Collierville       |    |      |     |       | 16420 |
|                        |      |       |      | 018  | 5   | Germantown         |    |      |     |       | 28960 |
|                        |      |       |      | 030  | 1   | Memphis            |    |      |     |       | 48000 |
|                        |      |       |      | 031  | 6   | Millington         |    |      |     |       | 49060 |
|                        |      |       |      | 999  | 9   | Balance of county  |    |      |     |       | 99999 |
|                        | 080  | 000   | 2    | 999  | 9   | Smith              |    | 159  | 6   | 0000  |       |
|                        | 081  | 000   | 2    | 999  | 9   | Stewart            |    | 161  | 6   | 0000  |       |
|                        | 082  | 140   | 1    |      |     | Sullivan           |    | 163  | 3   | 3660  |       |
|                        |      |       |      | 004  | 6   | Bristol            |    |      |     |       | 08540 |
|                        |      |       |      | 023  | 5   | Johnson City, part |    |      |     |       | 38320 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 43                     |      |       |      |      |            | Tennessee            | 47 |      |     |       |       |
|                        | 082  |       |      |      |            | Sullivan, con.       |    | 163  | 3   | 3660  |       |
|                        |      |       |      | 024  | 5          | Kingsport, part      |    |      |     |       | 39560 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 083  | 192   | 1    |      |            | Sumner               |    | 165  | 3   | 5360  |       |
|                        |      |       |      | 017  | 6          | Gallatin             |    |      |     |       | 28540 |
|                        |      |       |      | 019  | 6          | Goodlettsville, part |    |      |     |       | 29920 |
|                        |      |       |      | 021  | 5          | Hendersonville       |    |      |     |       | 33280 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 084  | 178   | 1    | 999  | 9          | Tipton               |    | 167  | 5   | 4920  |       |
|                        | 085  | 000   | 2    | 999  | 9          | Trousdale            |    | 169  | 6   | 0000  |       |
|                        | 086  | 140   | 1    | 999  | 9          | Unicoi               |    | 171  | 6   | 3660  |       |
|                        | 087  | 148   | 1    | 999  | 9          | Union                |    | 173  | 6   | 3840  |       |
|                        | 088  | 000   | 2    | 999  | 9          | Van Buren            |    | 175  | 6   | 0000  |       |
|                        | 089  | 000   | 2    |      |            | Warren               |    | 177  | 5   | 0000  |       |
|                        |      |       |      | 028  | 6          | McMinnville          |    |      |     |       | 45100 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 090  | 140   | 1    |      |            | Washington           |    | 179  | 4   | 3660  |       |
|                        |      |       |      | 023  | 5          | Johnson City, part   |    |      |     |       | 38320 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 091  | 000   | 2    | 999  | 9          | Wayne                |    | 181  | 6   | 0000  |       |
|                        | 092  | 000   | 2    | 999  | 9          | Weakley              |    | 183  | 5   | 0000  |       |
|                        | 093  | 000   | 2    | 999  | 9          | White                |    | 185  | 6   | 0000  |       |
|                        | 094  | 192   | 1    |      |            | Williamson           |    | 187  | 4   | 5360  |       |
|                        |      |       |      | 003  | 6          | Brentwood            |    |      |     |       | 08280 |
|                        |      |       |      | 016  | 6          | Franklin             |    |      |     |       | 27740 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 095  | 192   | 1    |      |            | Wilson               |    | 189  | 4   | 5360  |       |
|                        |      |       |      | 027  | 6          | Lebanon              |    |      |     |       | 41520 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St | Cnty | P/S | P/MSA | Place |
| 44                     |      |       |      |      |            | Texas               | 48 |      |     |       |       |
|                        | 001  | 000   | 2    |      |            | Anderson            |    | 001  | 5   | 0000  |       |
|                        |      |       |      | 116  | 6          | Palestine           |    |      |     |       | 54708 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 002  | 000   | 2    |      |            | Andrews             |    | 003  | 6   | 0000  |       |
|                        |      |       |      | 006  | 6          | Andrews             |    |      |     |       | 03216 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |            | Angelina            |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 098  | 5          | Lufkin              |    |      |     |       | 45072 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |      |            | Aransas             |    | 007  | 6   | 0000  |       |
|                        | 005  | 302   | 1    |      |            | Archer              |    | 009  | 6   | 9080  |       |
|                        |      |       |      | 171  | 4          | Wichita Falls, part |    |      |     |       | 79000 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 006  | 000   | 2    |      |            | Armstrong           |    | 011  | 6   | 0000  |       |
|                        | 007  | 000   | 2    |      |            | Atascosa            |    | 013  | 5   | 0000  |       |
|                        | 008  | 000   | 2    |      |            | Austin              |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    |      |            | Bailey              |    | 017  | 6   | 0000  |       |
|                        | 010  | 000   | 2    |      |            | Bandera             |    | 019  | 6   | 0000  |       |
|                        | 011  | 019   | 1    |      |            | Bastrop             |    | 021  | 5   | 0640  |       |
|                        | 012  | 000   | 2    |      |            | Baylor              |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    |      |            | Bee                 |    | 025  | 5   | 0000  |       |
|                        |      |       |      | 016  | 6          | Beeville            |    |      |     |       | 07192 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 014  | 147   | 1    |      |            | Bell                |    | 027  | 3   | 3810  |       |
|                        |      |       |      | 018  | 6          | Belton              |    |      |     |       | 07492 |
|                        |      |       |      | 071  | 6          | Harker Heights      |    |      |     |       | 32312 |
|                        |      |       |      | 084  | 4          | Killeen             |    |      |     |       | 39148 |
|                        |      |       |      | 152  | 5          | Temple              |    |      |     |       | 72176 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 015  | 248   | 1    |      |            | Bexar               |    | 029  | 0   | 7240  |       |
|                        |      |       |      | 095  | 6          | Live Oak            |    |      |     |       | 43096 |
|                        |      |       |      | 137  | 1          | San Antonio         |    |      |     |       | 65000 |
|                        |      |       |      | 141  | 6          | Schertz, part       |    |      |     |       | 66128 |
|                        |      |       |      | 158  | 6          | Universal City      |    |      |     |       | 74408 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 016  | 000   | 2    |      |            | Blanco              |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Borden              |    | 033  | 6   | 0000  |       |
|                        | 018  | 000   | 2    |      |            | Bosque              |    | 035  | 6   | 0000  |       |
|                        | 019  | 281   | 1    |      |            | Bowie               |    | 037  | 4   | 8360  |       |
|                        |      |       |      | 154  | 5          | Texarkana           |    |      |     |       | 72368 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 020  | 039   | 1    |      |            | Brazoria            |    | 039  | 3   | 1145  |       |
|                        |      |       |      | 004  | 6          | Alvin               |    |      |     |       | 02272 |
|                        |      |       |      | 007  | 6          | Angleton            |    |      |     |       | 03264 |
|                        |      |       |      | 058  | 6          | Freeport            |    |      |     |       | 27420 |
|                        |      |       |      | 086  | 6          | Lake Jackson        |    |      |     |       | 40588 |
|                        |      |       |      | 120  | 6          | Pearland, part      |    |      |     |       | 56348 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 021  | 042   | 1    |      |            | Brazos              |    | 041  | 3   | 1260  |       |
|                        |      |       |      | 025  | 4          | Bryan               |    |      |     |       | 10912 |
|                        |      |       |      | 032  | 4          | College Station     |    |      |     |       | 15976 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 022  | 000   | 2    |      |            | Brewster            |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    |      |            | Briscoe             |    | 045  | 6   | 0000  |       |
|                        | 024  | 000   | 2    |      |            | Brooks              |    | 047  | 6   | 0000  |       |
|                        | 025  | 000   | 2    |      |            | Brown               |    | 049  | 5   | 0000  |       |
|                        |      |       |      | 024  | 6          | Brownwood           |    |      |     |       | 10780 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 026  | 000   | 2    |      |            | Burleson            |    | 051  | 6   | 0000  |       |
|                        | 027  | 000   | 2    |      |            | Burnet              |    | 053  | 6   | 0000  |       |
|                        | 028  | 019   | 1    |      |            | Caldwell            |    | 055  | 5   | 0640  |       |
|                        |      |       |      | 140  | 5          | San Marcos, part    |    |      |     |       | 65600 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 029  | 000   | 2    |      |            | Calhoun             |    | 057  | 6   | 0000  |       |
|                        |      |       |      | 127  | 6          | Port Lavaca         |    |      |     |       | 58916 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 030  | 000   | 2    |      |            | Callahan            |    | 059  | 6   | 0000  |       |
|                        | 031  | 041   | 1    |      |            | Cameron             |    | 061  | 2   | 1240  |       |
|                        |      |       |      | 023  | 4          | Brownsville         |    |      |     |       | 10768 |
|                        |      |       |      | 072  | 5          | Harlingen           |    |      |     |       | 32372 |
|                        |      |       |      | 138  | 6          | San Benito          |    |      |     |       | 65036 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 032  | 000   | 2    |      |            | Camp                |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    |      |            | Carson              |    | 065  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      | FIPS Codes |     | Area Names          | Place |     |      |       |
|------------------------|------|-------|------|------------|-----|---------------------|-------|-----|------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S |                     |       | St  | Cnty | P/S   |
| 44                     |      |       |      |            |     | Texas               |       |     |      |       |
|                        | 034  | 000   | 2    | 999        | 9   | Cass                | 48    | 067 | 5    | 0000  |
|                        | 035  | 000   | 2    | 999        | 9   | Castro              |       | 069 | 6    | 0000  |
|                        | 036  | 127   | 1    |            |     | Chambers            |       | 071 | 6    | 3360  |
|                        |      |       |      | 013        | 4   | Baytown, part       |       |     |      | 06128 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 037  | 000   | 2    |            |     | Cherokee            |       | 073 | 5    | 0000  |
|                        |      |       |      | 080        | 6   | Jacksonville        |       |     |      | 37216 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 038  | 000   | 2    | 999        | 9   | Childress           |       | 075 | 6    | 0000  |
|                        | 039  | 000   | 2    | 999        | 9   | Clay                |       | 077 | 6    | 0000  |
|                        | 040  | 000   | 2    | 999        | 9   | Cochran             |       | 079 | 6    | 0000  |
|                        | 041  | 000   | 2    | 999        | 9   | Coke                |       | 081 | 6    | 0000  |
|                        | 042  | 000   | 2    | 999        | 9   | Coleman             |       | 083 | 6    | 0000  |
|                        | 043  | 067   | 1    |            |     | Collin              |       | 085 | 2    | 1920  |
|                        |      |       |      | 003        | 6   | Allen               |       |     |      | 01924 |
|                        |      |       |      | 029        | 4   | Carrollton, part    |       |     |      | 13024 |
|                        |      |       |      | 039        | 0   | Dallas, part        |       |     |      | 19000 |
|                        |      |       |      | 063        | 3   | Garland, part       |       |     |      | 29000 |
|                        |      |       |      | 100        | 6   | McKinney            |       |     |      | 45744 |
|                        |      |       |      | 124        | 3   | Plano, part         |       |     |      | 58016 |
|                        |      |       |      | 129        | 4   | Richardson, part    |       |     |      | 61796 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 044  | 000   | 2    | 999        | 9   | Collingsworth       |       | 087 | 6    | 0000  |
|                        | 045  | 000   | 2    | 999        | 9   | Colorado            |       | 089 | 6    | 0000  |
|                        | 046  | 248   | 1    |            |     | Comal               |       | 091 | 4    | 7240  |
|                        |      |       |      | 112        | 5   | New Braunfels, part |       |     |      | 50820 |
|                        |      |       |      | 141        | 6   | Schertz, part       |       |     |      | 66128 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 047  | 000   | 2    | 999        | 9   | Comanche            |       | 093 | 6    | 0000  |
|                        | 048  | 000   | 2    | 999        | 9   | Concho              |       | 095 | 6    | 0000  |
|                        | 049  | 000   | 2    |            |     | Cooke               |       | 097 | 5    | 0000  |
|                        |      |       |      | 060        | 6   | Gainesville         |       |     |      | 27984 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 050  | 147   | 1    |            |     | Coryell             |       | 099 | 4    | 3810  |
|                        |      |       |      | 036        | 6   | Copperas Cove, part |       |     |      | 16624 |
|                        |      |       |      | 064        | 6   | Gatesville          |       |     |      | 29168 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 051  | 000   | 2    | 999        | 9   | Cottle              |       | 101 | 6    | 0000  |
|                        | 052  | 000   | 2    | 999        | 9   | Crane               |       | 103 | 6    | 0000  |
|                        | 053  | 000   | 2    | 999        | 9   | Crockett            |       | 105 | 6    | 0000  |
|                        | 054  | 000   | 2    | 999        | 9   | Crosby              |       | 107 | 6    | 0000  |
|                        | 055  | 000   | 2    | 999        | 9   | Culberson           |       | 109 | 6    | 0000  |
|                        | 056  | 000   | 2    | 999        | 9   | Dallam              |       | 111 | 6    | 0000  |
|                        | 057  | 067   | 1    |            |     | Dallas              |       | 113 | 0    | 1920  |
|                        |      |       |      | 011        | 6   | Balch Springs       |       |     |      | 05372 |
|                        |      |       |      | 029        | 4   | Carrollton, part    |       |     |      | 13024 |
|                        |      |       |      | 030        | 6   | Cedar Hill, part    |       |     |      | 13492 |
|                        |      |       |      | 035        | 6   | Coppell, part       |       |     |      | 16612 |
|                        |      |       |      | 039        | 0   | Dallas, part        |       |     |      | 19000 |
|                        |      |       |      | 044        | 5   | DeSoto              |       |     |      | 20092 |
|                        |      |       |      | 047        | 5   | Duncanville         |       |     |      | 21628 |
|                        |      |       |      | 054        | 6   | Farmers Branch      |       |     |      | 25452 |
|                        |      |       |      | 063        | 3   | Garland, part       |       |     |      | 29000 |
|                        |      |       |      | 066        | 4   | Grand Prairie, part |       |     |      | 30464 |
|                        |      |       |      | 067        | 5   | Grapevine, part     |       |     |      | 30644 |
|                        |      |       |      | 079        | 3   | Irving              |       |     |      | 37000 |
|                        |      |       |      | 089        | 6   | Lancaster           |       |     |      | 41212 |
|                        |      |       |      | 094        | 5   | Lewisville, part    |       |     |      | 42508 |
|                        |      |       |      | 104        | 3   | Mesquite            |       |     |      | 47892 |
|                        |      |       |      | 129        | 4   | Richardson, part    |       |     |      | 61796 |
|                        |      |       |      | 135        | 6   | Rowlett, part       |       |     |      | 63572 |
|                        |      |       |      | 159        | 6   | University Park     |       |     |      | 74492 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 058  | 000   | 2    |            |     | Dawson              |       | 115 | 6    | 0000  |
|                        |      |       |      | 088        | 6   | Lamesa              |       |     |      | 41164 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 059  | 000   | 2    |            |     | Deaf Smith          |       | 117 | 6    | 0000  |
|                        |      |       |      | 074        | 6   | Hereford            |       |     |      | 33320 |
|                        |      |       |      | 999        | 9   | Balance of county   |       |     |      | 99999 |
|                        | 060  | 000   | 2    | 999        | 9   | Delta               |       | 119 | 6    | 0000  |
|                        | 061  | 067   | 1    |            |     | Denton              |       | 121 | 2    | 1920  |
|                        |      |       |      | 029        | 4   | Carrollton, part    |       |     |      | 13024 |
|                        |      |       |      | 035        | 6   | Coppell, part       |       |     |      | 16612 |
|                        |      |       |      | 039        | 0   | Dallas, part        |       |     |      | 19000 |



| Vital Statistics Codes |      |       |      | FIPS Codes |     |                     |    | Place |      |       |
|------------------------|------|-------|------|------------|-----|---------------------|----|-------|------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names          | St |       | Cnty | P/S   |
| 44                     |      |       |      |            |     | Texas               | 48 |       |      |       |
|                        | 061  |       |      |            |     | Denton, con.        |    | 121   | 2    | 1920  |
|                        |      |       |      | 043        | 4   | Denton              |    |       |      | 19972 |
|                        |      |       |      | 055        | 6   | Flower Mound, part  |    |       |      | 26232 |
|                        |      |       |      | 057        | 2   | Fort Worth, part    |    |       |      | 27000 |
|                        |      |       |      | 067        | 5   | Grapevine, part     |    |       |      | 30644 |
|                        |      |       |      | 094        | 5   | Lewisville, part    |    |       |      | 42508 |
|                        |      |       |      | 124        | 3   | Plano, part         |    |       |      | 58016 |
|                        |      |       |      | 156        | 6   | The Colony          |    |       |      | 72530 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 062  | 000   | 2    | 999        | 9   | De Witt             |    | 123   | 6    | 0000  |
|                        | 063  | 000   | 2    | 999        | 9   | Dickens             |    | 125   | 6    | 0000  |
|                        | 064  | 000   | 2    | 999        | 9   | Dimmit              |    | 127   | 6    | 0000  |
|                        | 065  | 000   | 2    | 999        | 9   | Donley              |    | 129   | 6    | 0000  |
|                        | 066  | 000   | 2    | 999        | 9   | Duval               |    | 131   | 6    | 0000  |
|                        | 067  | 000   | 2    | 999        | 9   | Eastland            |    | 133   | 6    | 0000  |
|                        | 068  | 203   | 1    |            |     | Ector               |    | 135   | 3    | 5800  |
|                        |      |       |      | 114        | 4   | Odessa, part        |    |       |      | 53388 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 069  | 000   | 2    | 999        | 9   | Edwards             |    | 137   | 6    | 0000  |
|                        | 070  | 067   | 1    |            |     | Ellis               |    | 139   | 4    | 1920  |
|                        |      |       |      | 030        | 6   | Cedar Hill, part    |    |       |      | 13492 |
|                        |      |       |      | 052        | 6   | Ennis               |    |       |      | 24348 |
|                        |      |       |      | 066        | 4   | Grand Prairie, part |    |       |      | 30464 |
|                        |      |       |      | 101        | 6   | Mansfield, part     |    |       |      | 46452 |
|                        |      |       |      | 166        | 6   | Waxahachie          |    |       |      | 76816 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 071  | 083   | 1    |            |     | El Paso             |    | 141   | 1    | 2320  |
|                        |      |       |      | 051        | 1   | El Paso             |    |       |      | 24000 |
|                        |      |       |      | 145        | 6   | Socorro             |    |       |      | 68636 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 072  | 000   | 2    |            |     | Erath               |    | 143   | 5    | 0000  |
|                        |      |       |      | 147        | 6   | Stephenville        |    |       |      | 70208 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 073  | 000   | 2    | 999        | 9   | Falls               |    | 145   | 6    | 0000  |
|                        | 074  | 000   | 2    | 999        | 9   | Fannin              |    | 147   | 6    | 0000  |
|                        | 075  | 000   | 2    | 999        | 9   | Fayette             |    | 149   | 6    | 0000  |
|                        | 076  | 000   | 2    | 999        | 9   | Fisher              |    | 151   | 6    | 0000  |
|                        | 077  | 000   | 2    | 999        | 9   | Floyd               |    | 153   | 6    | 0000  |
|                        | 078  | 000   | 2    | 999        | 9   | Foard               |    | 155   | 6    | 0000  |
|                        | 079  | 127   | 1    |            |     | Fort Bend           |    | 157   | 3    | 3360  |
|                        |      |       |      | 075        | 0   | Houston, part       |    |       |      | 35000 |
|                        |      |       |      | 108        | 5   | Missouri City, part |    |       |      | 48804 |
|                        |      |       |      | 130        | 6   | Richmond            |    |       |      | 61892 |
|                        |      |       |      | 133        | 6   | Rosenberg           |    |       |      | 63284 |
|                        |      |       |      | 148        | 6   | Sugar Land          |    |       |      | 70808 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 080  | 000   | 2    | 999        | 9   | Franklin            |    | 159   | 6    | 0000  |
|                        | 081  | 000   | 2    | 999        | 9   | Freestone           |    | 161   | 6    | 0000  |
|                        | 082  | 000   | 2    | 999        | 9   | Frio                |    | 163   | 6    | 0000  |
|                        | 083  | 000   | 2    | 999        | 9   | Gaines              |    | 165   | 6    | 0000  |
|                        | 084  | 107   | 1    |            |     | Galveston           |    | 167   | 3    | 2920  |
|                        |      |       |      | 059        | 6   | Friendswood, part   |    |       |      | 27648 |
|                        |      |       |      | 062        | 4   | Galveston           |    |       |      | 28068 |
|                        |      |       |      | 087        | 6   | La Marque           |    |       |      | 41116 |
|                        |      |       |      | 092        | 5   | League City, part   |    |       |      | 41980 |
|                        |      |       |      | 155        | 5   | Texas City          |    |       |      | 72392 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 085  | 000   | 2    | 999        | 9   | Garza               |    | 169   | 6    | 0000  |
|                        | 086  | 000   | 2    | 999        | 9   | Gillespie           |    | 171   | 6    | 0000  |
|                        | 087  | 000   | 2    | 999        | 9   | Glasscock           |    | 173   | 6    | 0000  |
|                        | 088  | 000   | 2    | 999        | 9   | Goliad              |    | 175   | 6    | 0000  |
|                        | 089  | 000   | 2    | 999        | 9   | Gonzales            |    | 177   | 6    | 0000  |
|                        | 090  | 000   | 2    |            |     | Gray                |    | 179   | 6    | 0000  |
|                        |      |       |      | 117        | 6   | Pampa               |    |       |      | 54912 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 091  | 263   | 1    |            |     | Grayson             |    | 181   | 4    | 7640  |
|                        |      |       |      | 042        | 6   | Denison             |    |       |      | 19900 |
|                        |      |       |      | 143        | 5   | Sherman             |    |       |      | 67496 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 092  | 167   | 1    |            |     | Gregg               |    | 183   | 3    | 4420  |
|                        |      |       |      | 083        | 6   | Kilgore, part       |    |       |      | 39124 |
|                        |      |       |      | 096        | 4   | Longview, part      |    |       |      | 43888 |
|                        |      |       |      | 999        | 9   | Balance of county   |    |       |      | 99999 |
|                        | 093  | 000   | 2    | 999        | 9   | Grimes              |    | 185   | 6    | 0000  |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 44                     |      |       |      |      |            | Texas                 | 48 |      |     |       |       |
|                        | 094  | 248   | 1    |      |            | Guadalupe             |    | 187  | 4   | 7240  |       |
|                        |      |       |      | 112  | 5          | New Braunfels, part   |    |      |     |       | 50820 |
|                        |      |       |      | 141  | 6          | Schertz, part         |    |      |     |       | 66128 |
|                        |      |       |      | 142  | 6          | Seguin                |    |      |     |       | 66644 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 095  | 000   | 2    |      |            | Hale                  |    | 189  | 5   | 0000  |       |
|                        |      |       |      | 123  | 6          | Plainview             |    |      |     |       | 57980 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 096  | 000   | 2    | 999  | 9          | Hall                  |    | 191  | 6   | 0000  |       |
|                        | 097  | 000   | 2    | 999  | 9          | Hamilton              |    | 193  | 6   | 0000  |       |
|                        | 098  | 000   | 2    | 999  | 9          | Hansford              |    | 195  | 6   | 0000  |       |
|                        | 099  | 000   | 2    | 999  | 9          | Hardeman              |    | 197  | 6   | 0000  |       |
|                        | 100  | 025   | 1    | 999  | 9          | Hardin                |    | 199  | 5   | 0840  |       |
|                        | 101  | 127   | 1    |      |            | Harris                |    | 201  | 0   | 3360  |       |
|                        |      |       |      | 013  | 4          | Baytown, part         |    |      |     |       | 06128 |
|                        |      |       |      | 017  | 6          | Bellaire              |    |      |     |       | 07300 |
|                        |      |       |      | 040  | 5          | Deer Park             |    |      |     |       | 19624 |
|                        |      |       |      | 059  | 6          | Friendswood, part     |    |      |     |       | 27648 |
|                        |      |       |      | 061  | 6          | Galena Park           |    |      |     |       | 27996 |
|                        |      |       |      | 075  | 0          | Houston, part         |    |      |     |       | 35000 |
|                        |      |       |      | 076  | 6          | Humble                |    |      |     |       | 35348 |
|                        |      |       |      | 090  | 5          | La Porte              |    |      |     |       | 41440 |
|                        |      |       |      | 092  | 5          | League City, part     |    |      |     |       | 41980 |
|                        |      |       |      | 108  | 5          | Missouri City, part   |    |      |     |       | 48804 |
|                        |      |       |      | 119  | 3          | Pasadena              |    |      |     |       | 56000 |
|                        |      |       |      | 120  | 6          | Pearland, part        |    |      |     |       | 56348 |
|                        |      |       |      | 146  | 6          | South Houston         |    |      |     |       | 69020 |
|                        |      |       |      | 169  | 6          | West University Place |    |      |     |       | 77956 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 102  | 167   | 1    |      |            | Harrison              |    | 203  | 4   | 4420  |       |
|                        |      |       |      | 096  | 4          | Longview, part        |    |      |     |       | 43888 |
|                        |      |       |      | 102  | 6          | Marshall              |    |      |     |       | 46776 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 103  | 000   | 2    | 999  | 9          | Hartley               |    | 205  | 6   | 0000  |       |
|                        | 104  | 000   | 2    | 999  | 9          | Haskell               |    | 207  | 6   | 0000  |       |
|                        | 105  | 019   | 1    |      |            | Hays                  |    | 209  | 4   | 0640  |       |
|                        |      |       |      | 140  | 5          | San Marcos, part      |    |      |     |       | 65600 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 106  | 000   | 2    | 999  | 9          | Hemphill              |    | 211  | 6   | 0000  |       |
|                        | 107  | 067   | 1    |      |            | Henderson             |    | 213  | 4   | 1920  |       |
|                        |      |       |      | 009  | 6          | Athens                |    |      |     |       | 04504 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 108  | 175   | 1    |      |            | Hidalgo               |    | 215  | 2   | 4880  |       |
|                        |      |       |      | 045  | 6          | Donna                 |    |      |     |       | 20884 |
|                        |      |       |      | 049  | 5          | Edinburg              |    |      |     |       | 22660 |
|                        |      |       |      | 099  | 4          | McAllen               |    |      |     |       | 45384 |
|                        |      |       |      | 103  | 6          | Mercedes              |    |      |     |       | 47700 |
|                        |      |       |      | 107  | 5          | Mission               |    |      |     |       | 48768 |
|                        |      |       |      | 122  | 5          | Pharr                 |    |      |     |       | 57200 |
|                        |      |       |      | 139  | 6          | San Juan              |    |      |     |       | 65516 |
|                        |      |       |      | 168  | 6          | Weslaco               |    |      |     |       | 77272 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 109  | 000   | 2    | 999  | 9          | Hill                  |    | 217  | 5   | 0000  |       |
|                        | 110  | 000   | 2    |      |            | Hockley               |    | 219  | 6   | 0000  |       |
|                        |      |       |      | 093  | 6          | Levelland             |    |      |     |       | 42448 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 111  | 103   | 1    | 999  | 9          | Hood                  |    | 221  | 5   | 2800  |       |
|                        | 112  | 000   | 2    |      |            | Hopkins               |    | 223  | 5   | 0000  |       |
|                        |      |       |      | 149  | 6          | Sulphur Springs       |    |      |     |       | 70904 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 113  | 000   | 2    | 999  | 9          | Houston               |    | 225  | 6   | 0000  |       |
|                        | 114  | 000   | 2    |      |            | Howard                |    | 227  | 5   | 0000  |       |
|                        |      |       |      | 020  | 6          | Big Spring            |    |      |     |       | 08236 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 115  | 000   | 2    | 999  | 9          | Hudspeth              |    | 229  | 6   | 0000  |       |
|                        | 116  | 067   | 1    |      |            | Hunt                  |    | 231  | 4   | 1920  |       |
|                        |      |       |      | 068  | 6          | Greenville            |    |      |     |       | 30920 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 117  | 000   | 2    |      |            | Hutchinson            |    | 233  | 5   | 0000  |       |
|                        |      |       |      | 021  | 6          | Borger                |    |      |     |       | 09556 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 118  | 000   | 2    | 999  | 9          | Irion                 |    | 235  | 6   | 0000  |       |
|                        | 119  | 000   | 2    | 999  | 9          | Jack                  |    | 237  | 6   | 0000  |       |
|                        | 120  | 000   | 2    | 999  | 9          | Jackson               |    | 239  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St | Cnty | P/S | P/MSA | Place |
| 44                     |      |       |      |      |            | Texas                | 48 |      |     |       |       |
|                        | 121  | 000   | 2    | 999  | 9          | Jasper               |    | 241  | 5   | 0000  |       |
|                        | 122  | 000   | 2    | 999  | 9          | Jeff Davis           |    | 243  | 6   | 0000  |       |
|                        | 123  | 025   | 1    |      |            | Jefferson            |    | 245  | 3   | 0840  |       |
|                        |      |       |      | 014  | 3          | Beaumont             |    |      |     |       | 07000 |
|                        |      |       |      | 069  | 6          | Groves               |    |      |     |       | 31328 |
|                        |      |       |      | 111  | 6          | Nederland            |    |      |     |       | 50580 |
|                        |      |       |      | 125  | 4          | Port Arthur          |    |      |     |       | 58820 |
|                        |      |       |      | 128  | 6          | Port Neches          |    |      |     |       | 58940 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 124  | 000   | 2    | 999  | 9          | Jim Hogg             |    | 247  | 6   | 0000  |       |
|                        | 125  | 000   | 2    |      |            | Jim Wells            |    | 249  | 5   | 0000  |       |
|                        |      |       |      | 002  | 6          | Alice                |    |      |     |       | 01852 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 126  | 103   | 1    |      |            | Johnson              |    | 251  | 4   | 2800  |       |
|                        |      |       |      | 027  | 6          | Burleson, part       |    |      |     |       | 11428 |
|                        |      |       |      | 031  | 6          | Cleburne             |    |      |     |       | 15364 |
|                        |      |       |      | 101  | 6          | Mansfield, part      |    |      |     |       | 46452 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 127  | 000   | 2    |      |            | Jones                |    | 253  | 6   | 0000  |       |
|                        |      |       |      | 001  | 3          | Abilene, part        |    |      |     |       | 01000 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 128  | 000   | 2    | 999  | 9          | Karnes               |    | 255  | 6   | 0000  |       |
|                        | 129  | 067   | 1    |      |            | Kaufman              |    | 257  | 4   | 1920  |       |
|                        |      |       |      | 039  | 0          | Dallas, part         |    |      |     |       | 19000 |
|                        |      |       |      | 153  | 6          | Terrell              |    |      |     |       | 72284 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 130  | 000   | 2    | 999  | 9          | Kendall              |    | 259  | 6   | 0000  |       |
|                        | 131  | 000   | 2    | 999  | 9          | Kenedy               |    | 261  | 6   | 0000  |       |
|                        | 132  | 000   | 2    | 999  | 9          | Kent                 |    | 263  | 6   | 0000  |       |
|                        | 133  | 000   | 2    |      |            | Kerr                 |    | 265  | 5   | 0000  |       |
|                        |      |       |      | 082  | 6          | Kerrville            |    |      |     |       | 39040 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 134  | 000   | 2    | 999  | 9          | Kimble               |    | 267  | 6   | 0000  |       |
|                        | 135  | 000   | 2    | 999  | 9          | King                 |    | 269  | 6   | 0000  |       |
|                        | 136  | 000   | 2    | 999  | 9          | Kinney               |    | 271  | 6   | 0000  |       |
|                        | 137  | 000   | 2    |      |            | Kleberg              |    | 273  | 5   | 0000  |       |
|                        |      |       |      | 037  | 2          | Corpus Christi, part |    |      |     |       | 17000 |
|                        |      |       |      | 085  | 5          | Kingsville           |    |      |     |       | 39352 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 138  | 000   | 2    | 999  | 9          | Knox                 |    | 275  | 6   | 0000  |       |
|                        | 139  | 000   | 2    |      |            | Lamar                |    | 277  | 5   | 0000  |       |
|                        |      |       |      | 118  | 6          | Paris                |    |      |     |       | 55080 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 140  | 000   | 2    | 999  | 9          | Lamb                 |    | 279  | 6   | 0000  |       |
|                        | 141  | 000   | 2    |      |            | Lampasas             |    | 281  | 6   | 0000  |       |
|                        |      |       |      | 036  | 6          | Copperas Cove, part  |    |      |     |       | 16624 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 142  | 000   | 2    | 999  | 9          | La Salle             |    | 283  | 6   | 0000  |       |
|                        | 143  | 000   | 2    | 999  | 9          | Lavaca               |    | 285  | 6   | 0000  |       |
|                        | 144  | 000   | 2    | 999  | 9          | Lee                  |    | 287  | 6   | 0000  |       |
|                        | 145  | 000   | 2    | 999  | 9          | Leon                 |    | 289  | 6   | 0000  |       |
|                        | 146  | 127   | 1    | 999  | 9          | Liberty              |    | 291  | 4   | 3360  |       |
|                        | 147  | 000   | 2    | 999  | 9          | Limestone            |    | 293  | 6   | 0000  |       |
|                        | 148  | 000   | 2    | 999  | 9          | Lipscomb             |    | 295  | 6   | 0000  |       |
|                        | 149  | 000   | 2    | 999  | 9          | Live Oak             |    | 297  | 6   | 0000  |       |
|                        | 150  | 000   | 2    | 999  | 9          | Llano                |    | 299  | 6   | 0000  |       |
|                        | 151  | 000   | 2    | 999  | 9          | Loving               |    | 301  | 6   | 0000  |       |
|                        | 152  | 170   | 1    |      |            | Lubbock              |    | 303  | 3   | 4600  |       |
|                        |      |       |      | 097  | 3          | Lubbock              |    |      |     |       | 45000 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 153  | 000   | 2    | 999  | 9          | Lynn                 |    | 305  | 6   | 0000  |       |
|                        | 154  | 000   | 2    | 999  | 9          | McCulloch            |    | 307  | 6   | 0000  |       |
|                        | 155  | 295   | 1    |      |            | McLennan             |    | 309  | 3   | 8800  |       |
|                        |      |       |      | 164  | 3          | Waco                 |    |      |     |       | 76000 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 156  | 000   | 2    | 999  | 9          | McMullen             |    | 311  | 6   | 0000  |       |
|                        | 157  | 000   | 2    | 999  | 9          | Madison              |    | 313  | 6   | 0000  |       |
|                        | 158  | 000   | 2    | 999  | 9          | Marion               |    | 315  | 6   | 0000  |       |
|                        | 159  | 000   | 2    |      |            | Martin               |    | 317  | 6   | 0000  |       |
|                        |      |       |      | 105  | 4          | Midland, part        |    |      |     |       | 48072 |
|                        |      |       |      | 999  | 9          | Balance of county    |    |      |     |       | 99999 |
|                        | 160  | 000   | 2    | 999  | 9          | Mason                |    | 319  | 6   | 0000  |       |
|                        | 161  | 000   | 2    |      |            | Matagorda            |    | 321  | 5   | 0000  |       |
|                        |      |       |      | 012  | 6          | Bay City             |    |      |     |       | 05984 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                                      |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|--------------------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names                           | St | Cnty | P/S | P/MSA | Place |
| 44                     |      |       |      |      |            | Texas                                | 48 |      |     |       |       |
|                        | 161  |       |      | 999  | 9          | Matagorda, con.<br>Balance of county |    | 321  | 5   | 0000  | 99999 |
|                        | 162  | 000   | 2    | 048  | 6          | Maverick<br>Eagle Pass               |    | 323  | 5   | 0000  | 21892 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 163  | 000   | 2    | 999  | 9          | Medina                               |    | 325  | 5   | 0000  |       |
|                        | 164  | 000   | 2    | 999  | 9          | Menard                               |    | 327  | 6   | 0000  |       |
|                        | 165  | 203   | 1    |      |            | Midland                              |    | 329  | 3   | 5800  |       |
|                        |      |       |      | 105  | 4          | Midland, part                        |    |      |     |       | 48072 |
|                        |      |       |      | 114  | 4          | Odessa, part                         |    |      |     |       | 53388 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 166  | 000   | 2    | 999  | 9          | Milam                                |    | 331  | 6   | 0000  |       |
|                        | 167  | 000   | 2    | 999  | 9          | Mills                                |    | 333  | 6   | 0000  |       |
|                        | 168  | 000   | 2    | 999  | 9          | Mitchell                             |    | 335  | 6   | 0000  |       |
|                        | 169  | 000   | 2    | 999  | 9          | Montague                             |    | 337  | 6   | 0000  |       |
|                        | 170  | 127   | 1    |      |            | Montgomery                           |    | 339  | 3   | 3360  |       |
|                        |      |       |      | 034  | 5          | Conroe                               |    |      |     |       | 16432 |
|                        |      |       |      | 075  | 0          | Houston, part                        |    |      |     |       | 35000 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 171  | 000   | 2    |      |            | Moore                                |    | 341  | 6   | 0000  |       |
|                        |      |       |      | 046  | 6          | Dumas                                |    |      |     |       | 21556 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 172  | 000   | 2    | 999  | 9          | Morris                               |    | 343  | 6   | 0000  |       |
|                        | 173  | 000   | 2    | 999  | 9          | Motley                               |    | 345  | 6   | 0000  |       |
|                        | 174  | 000   | 2    |      |            | Nacogdoches                          |    | 347  | 4   | 0000  |       |
|                        |      |       |      | 110  | 5          | Nacogdoches                          |    |      |     |       | 50256 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 175  | 000   | 2    |      |            | Navarro                              |    | 349  | 5   | 0000  |       |
|                        |      |       |      | 038  | 6          | Corsicana                            |    |      |     |       | 17060 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 176  | 000   | 2    | 999  | 9          | Newton                               |    | 351  | 6   | 0000  |       |
|                        | 177  | 000   | 2    |      |            | Nolan                                |    | 353  | 6   | 0000  |       |
|                        |      |       |      | 150  | 6          | Sweetwater                           |    |      |     |       | 71540 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 178  | 065   | 1    |      |            | Nueces                               |    | 355  | 2   | 1880  |       |
|                        |      |       |      | 037  | 2          | Corpus Christi, part                 |    |      |     |       | 17000 |
|                        |      |       |      | 126  | 6          | Portland, part                       |    |      |     |       | 58904 |
|                        |      |       |      | 131  | 6          | Robstown                             |    |      |     |       | 62600 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 179  | 000   | 2    | 999  | 9          | Ochiltree                            |    | 357  | 6   | 0000  |       |
|                        | 180  | 000   | 2    | 999  | 9          | Oldham                               |    | 359  | 6   | 0000  |       |
|                        | 181  | 025   | 1    |      |            | Orange                               |    | 361  | 4   | 0840  |       |
|                        |      |       |      | 115  | 6          | Orange                               |    |      |     |       | 54132 |
|                        |      |       |      | 163  | 6          | Vidor                                |    |      |     |       | 75476 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 182  | 000   | 2    |      |            | Palo Pinto                           |    | 363  | 5   | 0000  |       |
|                        |      |       |      | 106  | 6          | Mineral Wells, part                  |    |      |     |       | 48684 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 183  | 000   | 2    | 999  | 9          | Panola                               |    | 365  | 6   | 0000  |       |
|                        | 184  | 103   | 1    |      |            | Parker                               |    | 367  | 4   | 2800  |       |
|                        |      |       |      | 106  | 6          | Mineral Wells, part                  |    |      |     |       | 48684 |
|                        |      |       |      | 167  | 6          | Weatherford                          |    |      |     |       | 76864 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 185  | 000   | 2    | 999  | 9          | Parmer                               |    | 369  | 6   | 0000  |       |
|                        | 186  | 000   | 2    | 999  | 9          | Pecos                                |    | 371  | 6   | 0000  |       |
|                        | 187  | 000   | 2    | 999  | 9          | Polk                                 |    | 373  | 5   | 0000  |       |
|                        | 188  | 009   | 1    |      |            | Potter                               |    | 375  | 4   | 0320  |       |
|                        |      |       |      | 005  | 3          | Amarillo, part                       |    |      |     |       | 03000 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 189  | 000   | 2    | 999  | 9          | Presidio                             |    | 377  | 6   | 0000  |       |
|                        | 190  | 000   | 2    | 999  | 9          | Rains                                |    | 379  | 6   | 0000  |       |
|                        | 191  | 009   | 1    |      |            | Randall                              |    | 381  | 4   | 0320  |       |
|                        |      |       |      | 005  | 3          | Amarillo, part                       |    |      |     |       | 03000 |
|                        |      |       |      | 028  | 6          | Canyon                               |    |      |     |       | 12532 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 192  | 000   | 2    | 999  | 9          | Reagan                               |    | 383  | 6   | 0000  |       |
|                        | 193  | 000   | 2    | 999  | 9          | Real                                 |    | 385  | 6   | 0000  |       |
|                        | 194  | 000   | 2    | 999  | 9          | Red River                            |    | 387  | 6   | 0000  |       |
|                        | 195  | 000   | 2    |      |            | Reeves                               |    | 389  | 6   | 0000  |       |
|                        |      |       |      | 121  | 6          | Pecos                                |    |      |     |       | 56516 |
|                        |      |       |      | 999  | 9          | Balance of county                    |    |      |     |       | 99999 |
|                        | 196  | 000   | 2    | 999  | 9          | Refugio                              |    | 391  | 6   | 0000  |       |
|                        | 197  | 000   | 2    | 999  | 9          | Roberts                              |    | 393  | 6   | 0000  |       |
|                        | 198  | 000   | 2    | 999  | 9          | Robertson                            |    | 395  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                      |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|----------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names           | St  | Cnty | P/S  | P/MSA | Place |
| 44                     |      |       |      |      |            | Texas                | 48  |      |      |       |       |
| 199                    | 067  | 1     |      |      |            | Rockwall             | 397 | 5    | 1920 |       |       |
|                        |      |       |      | 039  | 0          | Dallas, part         |     |      |      |       | 19000 |
|                        |      |       |      | 063  | 3          | Garland, part        |     |      |      |       | 29000 |
|                        |      |       |      | 132  | 6          | Rockwall             |     |      |      |       | 62828 |
|                        |      |       |      | 135  | 6          | Rowlett, part        |     |      |      |       | 63572 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 200                    | 000  | 2     |      | 999  | 9          | Runnels              | 399 | 6    | 0000 |       |       |
| 201                    | 000  | 2     |      |      |            | Rusk                 | 401 | 5    | 0000 |       |       |
|                        |      |       |      | 073  | 6          | Henderson            |     |      |      |       | 33212 |
|                        |      |       |      | 083  | 6          | Kilgore, part        |     |      |      |       | 39124 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 202                    | 000  | 2     |      | 999  | 9          | Sabine               | 403 | 6    | 0000 |       |       |
| 203                    | 000  | 2     |      | 999  | 9          | San Augustine        | 405 | 6    | 0000 |       |       |
| 204                    | 000  | 2     |      | 999  | 9          | San Jacinto          | 407 | 6    | 0000 |       |       |
| 205                    | 065  | 1     |      |      |            | San Patricio         | 409 | 4    | 1880 |       |       |
|                        |      |       |      | 037  | 2          | Corpus Christi, part |     |      |      |       | 17000 |
|                        |      |       |      | 126  | 6          | Portland, part       |     |      |      |       | 58904 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 206                    | 000  | 2     |      | 999  | 9          | San Saba             | 411 | 6    | 0000 |       |       |
| 207                    | 000  | 2     |      | 999  | 9          | Schleicher           | 413 | 6    | 0000 |       |       |
| 208                    | 000  | 2     |      |      |            | Scurry               | 415 | 6    | 0000 |       |       |
|                        |      |       |      | 144  | 6          | Snyder               |     |      |      |       | 68624 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 209                    | 000  | 2     |      | 999  | 9          | Shackelford          | 417 | 6    | 0000 |       |       |
| 210                    | 000  | 2     |      | 999  | 9          | Shelby               | 419 | 6    | 0000 |       |       |
| 211                    | 000  | 2     |      | 999  | 9          | Sherman              | 421 | 6    | 0000 |       |       |
| 212                    | 288  | 1     |      |      |            | Smith                | 423 | 3    | 8640 |       |       |
|                        |      |       |      | 157  | 4          | Tyler                |     |      |      |       | 74144 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 213                    | 000  | 2     |      | 999  | 9          | Somervell            | 425 | 6    | 0000 |       |       |
| 214                    | 000  | 2     |      | 999  | 9          | Starr                | 427 | 5    | 0000 |       |       |
| 215                    | 000  | 2     |      | 999  | 9          | Stephens             | 429 | 6    | 0000 |       |       |
| 216                    | 000  | 2     |      | 999  | 9          | Sterling             | 431 | 6    | 0000 |       |       |
| 217                    | 000  | 2     |      | 999  | 9          | Stonewall            | 433 | 6    | 0000 |       |       |
| 218                    | 000  | 2     |      | 999  | 9          | Sutton               | 435 | 6    | 0000 |       |       |
| 219                    | 000  | 2     |      | 999  | 9          | Swisher              | 437 | 6    | 0000 |       |       |
| 220                    | 103  | 1     |      |      |            | Tarrant              | 439 | 0    | 2800 |       |       |
|                        |      |       |      | 008  | 2          | Arlington            |     |      |      |       | 04000 |
|                        |      |       |      | 015  | 5          | Bedford              |     |      |      |       | 07132 |
|                        |      |       |      | 019  | 6          | Benbrook             |     |      |      |       | 07552 |
|                        |      |       |      | 027  | 6          | Burleson, part       |     |      |      |       | 11428 |
|                        |      |       |      | 033  | 6          | Colleyville          |     |      |      |       | 15988 |
|                        |      |       |      | 053  | 5          | Eules                |     |      |      |       | 24768 |
|                        |      |       |      | 055  | 6          | Flower Mound, part   |     |      |      |       | 26232 |
|                        |      |       |      | 056  | 6          | Forest Hill          |     |      |      |       | 26544 |
|                        |      |       |      | 057  | 2          | Fort Worth, part     |     |      |      |       | 27000 |
|                        |      |       |      | 066  | 4          | Grand Prairie, part  |     |      |      |       | 30464 |
|                        |      |       |      | 067  | 5          | Grapevine, part      |     |      |      |       | 30644 |
|                        |      |       |      | 070  | 5          | Haltom City          |     |      |      |       | 31928 |
|                        |      |       |      | 078  | 5          | Hurst                |     |      |      |       | 35576 |
|                        |      |       |      | 081  | 6          | Keller               |     |      |      |       | 38632 |
|                        |      |       |      | 101  | 6          | Mansfield, part      |     |      |      |       | 46452 |
|                        |      |       |      | 113  | 5          | North Richland Hills |     |      |      |       | 52356 |
|                        |      |       |      | 165  | 6          | Watauga              |     |      |      |       | 76672 |
|                        |      |       |      | 170  | 6          | White Settlement     |     |      |      |       | 78544 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 221                    | 001  | 1     |      |      |            | Taylor               | 441 | 3    | 0040 |       |       |
|                        |      |       |      | 001  | 3          | Abilene, part        |     |      |      |       | 01000 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 222                    | 000  | 2     |      | 999  | 9          | Terrell              | 443 | 6    | 0000 |       |       |
| 223                    | 000  | 2     |      | 999  | 9          | Terry                | 445 | 6    | 0000 |       |       |
| 224                    | 000  | 2     |      | 999  | 9          | Throckmorton         | 447 | 6    | 0000 |       |       |
| 225                    | 000  | 2     |      |      |            | Titus                | 449 | 6    | 0000 |       |       |
|                        |      |       |      | 109  | 6          | Mount Pleasant       |     |      |      |       | 49800 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 226                    | 247  | 1     |      |      |            | Tom Green            | 451 | 4    | 7200 |       |       |
|                        |      |       |      | 136  | 4          | San Angelo           |     |      |      |       | 64472 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 227                    | 019  | 1     |      |      |            | Travis               | 453 | 1    | 0640 |       |       |
|                        |      |       |      | 010  | 2          | Austin, part         |     |      |      |       | 05000 |
|                        |      |       |      | 134  | 5          | Round Rock, part     |     |      |      |       | 63500 |
|                        |      |       |      | 999  | 9          | Balance of county    |     |      |      |       | 99999 |
| 228                    | 000  | 2     |      | 999  | 9          | Trinity              | 455 | 6    | 0000 |       |       |
| 229                    | 000  | 2     |      | 999  | 9          | Tyler                | 457 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St | Cnty | P/S | P/MSA | Place |
| 44                     |      |       |      |      |            | Texas               | 48 |      |     |       |       |
|                        | 230  | 167   | 1    | 999  | 9          | Upshur              |    | 459  | 5   | 4420  |       |
|                        | 231  | 000   | 2    | 999  | 9          | Upton               |    | 461  | 6   | 0000  |       |
|                        | 232  | 000   | 2    |      |            | Uvalde              |    | 463  | 6   | 0000  |       |
|                        |      |       |      | 160  | 6          | Uvalde              |    |      |     |       | 74588 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 233  | 000   | 2    |      |            | Val Verde           |    | 465  | 5   | 0000  |       |
|                        |      |       |      | 041  | 5          | Del Rio             |    |      |     |       | 19792 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 234  | 000   | 2    | 999  | 9          | Van Zandt           |    | 467  | 5   | 0000  |       |
|                        | 235  | 292   | 1    |      |            | Victoria            |    | 469  | 4   | 8750  |       |
|                        |      |       |      | 162  | 4          | Victoria            |    |      |     |       | 75428 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 236  | 000   | 2    |      |            | Walker              |    | 471  | 4   | 0000  |       |
|                        |      |       |      | 077  | 5          | Huntsville          |    |      |     |       | 35528 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 237  | 127   | 1    | 999  | 9          | Waller              |    | 473  | 6   | 3360  |       |
|                        | 238  | 000   | 2    | 999  | 9          | Ward                |    | 475  | 6   | 0000  |       |
|                        | 239  | 000   | 2    |      |            | Washington          |    | 477  | 5   | 0000  |       |
|                        |      |       |      | 022  | 6          | Brenham             |    |      |     |       | 10156 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 240  | 157   | 1    |      |            | Webb                |    | 479  | 3   | 4080  |       |
|                        |      |       |      | 091  | 3          | Laredo              |    |      |     |       | 41464 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 241  | 000   | 2    |      |            | Wharton             |    | 481  | 5   | 0000  |       |
|                        |      |       |      | 050  | 6          | El Campo            |    |      |     |       | 22864 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 242  | 000   | 2    | 999  | 9          | Wheeler             |    | 483  | 6   | 0000  |       |
|                        | 243  | 302   | 1    |      |            | Wichita             |    | 485  | 3   | 9080  |       |
|                        |      |       |      | 026  | 6          | Burkburnett         |    |      |     |       | 11368 |
|                        |      |       |      | 171  | 4          | Wichita Falls, part |    |      |     |       | 79000 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 244  | 000   | 2    |      |            | Wilbarger           |    | 487  | 6   | 0000  |       |
|                        |      |       |      | 161  | 6          | Vernon              |    |      |     |       | 75308 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 245  | 000   | 2    | 999  | 9          | Willacy             |    | 489  | 6   | 0000  |       |
|                        | 246  | 019   | 1    |      |            | Williamson          |    | 491  | 3   | 0640  |       |
|                        |      |       |      | 010  | 2          | Austin, part        |    |      |     |       | 05000 |
|                        |      |       |      | 065  | 6          | Georgetown          |    |      |     |       | 29336 |
|                        |      |       |      | 134  | 5          | Round Rock, part    |    |      |     |       | 63500 |
|                        |      |       |      | 151  | 6          | Taylor              |    |      |     |       | 71948 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 247  | 248   | 1    | 999  | 9          | Wilson              |    | 493  | 6   | 7240  |       |
|                        | 248  | 000   | 2    | 999  | 9          | Winkler             |    | 495  | 6   | 0000  |       |
|                        | 249  | 000   | 2    | 999  | 9          | Wise                |    | 497  | 5   | 0000  |       |
|                        | 250  | 000   | 2    | 999  | 9          | Wood                |    | 499  | 5   | 0000  |       |
|                        | 251  | 000   | 2    | 999  | 9          | Yoakum              |    | 501  | 6   | 0000  |       |
|                        | 252  | 000   | 2    | 999  | 9          | Young               |    | 503  | 6   | 0000  |       |
|                        | 253  | 000   | 2    | 999  | 9          | Zapata              |    | 505  | 6   | 0000  |       |
|                        | 254  | 000   | 2    | 999  | 9          | Zavala              |    | 507  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 45                     |      |       |      |      |     | Utah              | 49 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9   | Beaver            |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    |      |     | Box Elder         |    | 003  | 5   | 0000  |       |
|                        |      |       |      | 003  | 6   | Brigham City      |    |      |     |       | 08460 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    |      |     | Cache             |    | 005  | 4   | 0000  |       |
|                        |      |       |      | 009  | 5   | Logan             |    |      |     |       | 45860 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9   | Carbon            |    | 007  | 6   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9   | Daggett           |    | 009  | 6   | 0000  |       |
|                        | 006  | 246   | 1    |      |     | Davis             |    | 011  | 3   | 7160  |       |
|                        |      |       |      | 002  | 5   | Bountiful         |    |      |     |       | 07690 |
|                        |      |       |      | 005  | 6   | Centerville       |    |      |     |       | 11980 |
|                        |      |       |      | 006  | 6   | Clearfield        |    |      |     |       | 13850 |
|                        |      |       |      | 007  | 6   | Kaysville         |    |      |     |       | 40360 |
|                        |      |       |      | 008  | 5   | Layton            |    |      |     |       | 43660 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999  | 9   | Duchesne          |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9   | Emery             |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9   | Garfield          |    | 017  | 6   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9   | Grand             |    | 019  | 6   | 0000  |       |
|                        | 011  | 000   | 2    |      |     | Iron              |    | 021  | 6   | 0000  |       |
|                        |      |       |      | 004  | 6   | Cedar City        |    |      |     |       | 11320 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9   | Juab              |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9   | Kane              |    | 025  | 6   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9   | Millard           |    | 027  | 6   | 0000  |       |
|                        | 015  | 000   | 2    | 999  | 9   | Morgan            |    | 029  | 6   | 0000  |       |
|                        | 016  | 000   | 2    | 999  | 9   | Piute             |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9   | Rich              |    | 033  | 6   | 0000  |       |
|                        | 018  | 246   | 1    |      |     | Salt Lake         |    | 035  | 1   | 7160  |       |
|                        |      |       |      | 010  | 6   | Midvale           |    |      |     |       | 49710 |
|                        |      |       |      | 011  | 5   | Murray            |    |      |     |       | 53230 |
|                        |      |       |      | 017  | 6   | Riverton          |    |      |     |       | 64340 |
|                        |      |       |      | 020  | 3   | Salt Lake City    |    |      |     |       | 67000 |
|                        |      |       |      | 021  | 4   | Sandy             |    |      |     |       | 67550 |
|                        |      |       |      | 022  | 6   | South Jordan      |    |      |     |       | 70850 |
|                        |      |       |      | 024  | 6   | South Salt Lake   |    |      |     |       | 71070 |
|                        |      |       |      | 028  | 5   | West Jordan       |    |      |     |       | 82950 |
|                        |      |       |      | 029  | 4   | West Valley City  |    |      |     |       | 83445 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    | 999  | 9   | San Juan          |    | 037  | 6   | 0000  |       |
|                        | 020  | 000   | 2    | 999  | 9   | Sanpete           |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    | 999  | 9   | Sevier            |    | 041  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9   | Summit            |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    |      |     | Tooele            |    | 045  | 5   | 0000  |       |
|                        |      |       |      | 027  | 6   | Tooele            |    |      |     |       | 76680 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 024  | 000   | 2    | 999  | 9   | Uintah            |    | 047  | 6   | 0000  |       |
|                        | 025  | 222   | 1    |      |     | Utah              |    | 049  | 2   | 6520  |       |
|                        |      |       |      | 001  | 6   | American Fork     |    |      |     |       | 01310 |
|                        |      |       |      | 014  | 4   | Orem              |    |      |     |       | 57300 |
|                        |      |       |      | 015  | 6   | Pleasant Grove    |    |      |     |       | 60930 |
|                        |      |       |      | 016  | 4   | Provo             |    |      |     |       | 62470 |
|                        |      |       |      | 025  | 6   | Spanish Fork      |    |      |     |       | 71290 |
|                        |      |       |      | 026  | 6   | Springville       |    |      |     |       | 72280 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 026  | 000   | 2    | 999  | 9   | Wasatch           |    | 051  | 6   | 0000  |       |
|                        | 027  | 000   | 2    |      |     | Washington        |    | 053  | 5   | 0000  |       |
|                        |      |       |      | 019  | 5   | St. George        |    |      |     |       | 65330 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 028  | 000   | 2    | 999  | 9   | Wayne             |    | 055  | 6   | 0000  |       |
|                        | 029  | 246   | 1    |      |     | Weber             |    | 057  | 3   | 7160  |       |
|                        |      |       |      | 012  | 6   | North Ogden       |    |      |     |       | 55100 |
|                        |      |       |      | 013  | 4   | Ogden             |    |      |     |       | 55980 |
|                        |      |       |      | 018  | 6   | Roy               |    |      |     |       | 65110 |
|                        |      |       |      | 023  | 6   | South Ogden       |    |      |     |       | 70960 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 46                     |      |       |      |      |     | Vermont           | 50 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9   | Addison           |    | 001  | 5   | 0000  |       |
|                        | 002  | 000   | 2    | 999  | 9   | Bennington        |    | 003  | 5   | 0000  |       |
|                        | 003  | 000   | 2    | 999  | 9   | Caledonia         |    | 005  | 5   | 0000  |       |
|                        | 004  | 044   | 1    |      |     | Chittenden        |    | 007  | 3   | 1303  |       |
|                        |      |       |      | 001  | 5   | Burlington        |    |      |     |       | 10675 |
|                        |      |       |      | 003  | 6   | South Burlington  |    |      |     |       | 66175 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    | 999  | 9   | Essex             |    | 009  | 6   | 0000  |       |
|                        | 006  | 044   | 1    | 999  | 9   | Franklin          |    | 011  | 5   | 1303  |       |
|                        | 007  | 044   | 1    | 999  | 9   | Grand Isle        |    | 013  | 6   | 1303  |       |
|                        | 008  | 000   | 2    | 999  | 9   | Lamoille          |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9   | Orange            |    | 017  | 5   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9   | Orleans           |    | 019  | 6   | 0000  |       |
|                        | 011  | 000   | 2    |      |     | Rutland           |    | 021  | 4   | 0000  |       |
|                        |      |       |      | 002  | 6   | Rutland           |    |      |     |       | 61225 |
|                        |      |       |      | 999  | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9   | Washington        |    | 023  | 4   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9   | Windham           |    | 025  | 5   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9   | Windsor           |    | 027  | 4   | 0000  |       |



| Vital Statistics Codes |      |       |      |      | FIPS Codes |                       |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-----------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names            | St | Cnty | P/S | P/MSA | Place |
| 47                     |      |       |      |      |            | Virginia              | 51 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Accomack              |    | 001  | 5   | 0000  |       |
|                        | 002  | 052   | 1    | 999  | 9          | Albemarle             |    | 003  | 4   | 1540  |       |
|                        | 003  | 296   | 1    | 001  | 3          | Alexandria city       |    | 510  | 3   | 8840  | 01000 |
|                        | 004  | 000   | 2    | 999  | 9          | Alleghany             |    | 005  | 6   | 0000  |       |
|                        | 005  | 000   | 2    | 999  | 9          | Amelia                |    | 007  | 6   | 0000  |       |
|                        | 006  | 171   | 1    | 999  | 9          | Amherst               |    | 009  | 5   | 4640  |       |
|                        | 007  | 000   | 2    | 999  | 9          | Appomattox            |    | 011  | 6   | 0000  |       |
|                        | 008  | 296   | 1    | 002  | 3          | Arlington             |    | 013  | 3   | 8840  | 03000 |
|                        | 009  | 000   | 2    | 999  | 9          | Augusta               |    | 015  | 4   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Bath                  |    | 017  | 6   | 0000  |       |
|                        | 011  | 171   | 1    | 999  | 9          | Bedford               |    | 019  | 5   | 4640  |       |
|                        | 012  | 171   | 1    | 999  | 9          | Bedford city          |    | 515  | 6   | 4640  | 99999 |
|                        | 013  | 000   | 2    | 999  | 9          | Bland                 |    | 021  | 6   | 0000  |       |
|                        | 014  | 234   | 1    | 999  | 9          | Botetourt             |    | 023  | 6   | 6800  |       |
|                        | 015  | 140   | 1    | 004  | 6          | Bristol city          |    | 520  | 6   | 3660  | 09816 |
|                        | 016  | 000   | 2    | 999  | 9          | Brunswick             |    | 025  | 6   | 0000  |       |
|                        | 017  | 000   | 2    | 999  | 9          | Buchanan              |    | 027  | 5   | 0000  |       |
|                        | 018  | 000   | 2    | 999  | 9          | Buckingham            |    | 029  | 6   | 0000  |       |
|                        | 019  | 000   | 2    | 999  | 9          | Buena Vista city      |    | 530  | 6   | 0000  | 99999 |
|                        | 020  | 171   | 1    | 999  | 9          | Campbell              |    | 031  | 5   | 4640  |       |
|                        | 021  | 000   | 2    | 999  | 9          | Caroline              |    | 033  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Carroll               |    | 035  | 5   | 0000  |       |
|                        | 023  | 232   | 1    | 999  | 9          | Charles City          |    | 036  | 6   | 6760  |       |
|                        | 024  | 000   | 2    | 999  | 9          | Charlotte             |    | 037  | 6   | 0000  |       |
|                        | 025  | 052   | 1    | 005  | 5          | Charlottesville city  |    | 540  | 5   | 1540  | 14968 |
|                        | 026  | 200   | 1    | 006  | 3          | Chesapeake city       |    | 550  | 3   | 5720  | 16000 |
|                        | 027  | 232   | 1    | 999  | 9          | Chesterfield          |    | 041  | 3   | 6760  |       |
|                        | 028  | 296   | 1    | 999  | 9          | Clarke                |    | 043  | 6   | 8840  |       |
|                        | 029  | 000   | 2    | 999  | 9          | Clifton Forge city    |    | 560  | 6   | 0000  | 99999 |
|                        | 030  | 232   | 1    | 008  | 6          | Colonial Heights city |    | 570  | 6   | 6760  | 18448 |
|                        | 031  | 000   | 2    | 999  | 9          | Covington city        |    | 580  | 6   | 0000  | 99999 |
|                        | 032  | 000   | 2    | 999  | 9          | Craig                 |    | 045  | 6   | 0000  |       |
|                        | 033  | 296   | 1    | 999  | 9          | Culpeper              |    | 047  | 5   | 8840  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Cumberland            |    | 049  | 6   | 0000  |       |
|                        | 035  | 068   | 1    | 009  | 4          | Danville city         |    | 590  | 4   | 1950  | 21344 |
|                        | 036  | 000   | 2    | 999  | 9          | Dickenson             |    | 051  | 6   | 0000  |       |
|                        | 037  | 232   | 1    | 999  | 9          | Dinwiddie             |    | 053  | 6   | 6760  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Emporia city          |    | 595  | 6   | 0000  | 99999 |
|                        | 039  | 000   | 2    | 999  | 9          | Essex                 |    | 057  | 6   | 0000  |       |
|                        | 040  | 296   | 1    |      |            | Fairfax               |    | 059  | 1   | 8840  |       |
|                        |      |       |      | 015  | 6          | Herndon               |    |      |     |       | 36648 |
|                        |      |       |      | 032  | 6          | Vienna                |    |      |     |       | 81072 |
|                        |      |       |      | 999  | 9          | Balance of county     |    |      |     |       | 99999 |
|                        | 041  | 296   | 1    | 010  | 6          | Fairfax city          |    | 600  | 6   | 8840  | 26496 |
|                        | 042  | 296   | 1    | 999  | 9          | Falls Church city     |    | 610  | 6   | 8840  | 99999 |
|                        | 043  | 296   | 1    | 999  | 9          | Fauquier              |    | 061  | 5   | 8840  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Floyd                 |    | 063  | 6   | 0000  |       |
|                        | 045  | 052   | 1    | 999  | 9          | Fluvanna              |    | 065  | 6   | 1540  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Franklin              |    | 067  | 5   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9          | Franklin city         |    | 620  | 6   | 0000  | 99999 |
|                        | 048  | 000   | 2    | 999  | 9          | Frederick             |    | 069  | 5   | 0000  |       |
|                        | 049  | 296   | 1    | 011  | 6          | Fredericksburg city   |    | 630  | 6   | 8840  | 29744 |
|                        | 050  | 000   | 2    | 999  | 9          | Galax city            |    | 640  | 6   | 0000  | 99999 |
|                        | 051  | 000   | 2    | 999  | 9          | Giles                 |    | 071  | 6   | 0000  |       |
|                        | 052  | 200   | 1    | 999  | 9          | Gloucester            |    | 073  | 5   | 5720  |       |
|                        | 053  | 232   | 1    | 999  | 9          | Goochland             |    | 075  | 6   | 6760  |       |
|                        | 054  | 000   | 2    | 999  | 9          | Grayson               |    | 077  | 6   | 0000  |       |
|                        | 055  | 052   | 1    | 999  | 9          | Greene                |    | 079  | 6   | 1540  |       |
|                        | 056  | 000   | 2    | 999  | 9          | Greensville           |    | 081  | 6   | 0000  |       |
|                        | 057  | 000   | 2    | 999  | 9          | Halifax               |    | 083  | 5   | 0000  |       |
|                        | 057  | 000   | 2    | 999  | 9          | South Boston city     |    | 083  | 5   | 0000  | 99999 |
|                        | 058  | 200   | 1    | 013  | 3          | Hampton city          |    | 650  | 3   | 5720  | 35000 |
|                        | 059  | 232   | 1    | 999  | 9          | Hanover               |    | 085  | 4   | 6760  |       |
|                        | 060  | 000   | 2    | 014  | 5          | Harrisonburg city     |    | 660  | 5   | 0000  | 35624 |
|                        | 061  | 232   | 1    | 999  | 9          | Henrico               |    | 087  | 3   | 6760  |       |
|                        | 062  | 000   | 2    | 999  | 9          | Henry                 |    | 089  | 4   | 0000  |       |
|                        | 063  | 000   | 2    | 999  | 9          | Highland              |    | 091  | 6   | 0000  |       |
|                        | 064  | 232   | 1    | 016  | 6          | Hopewell city         |    | 670  | 6   | 6760  | 38424 |
|                        | 065  | 200   | 1    | 999  | 9          | Isle of Wight         |    | 093  | 5   | 5720  |       |
|                        | 066  | 200   | 1    | 999  | 9          | James City            |    | 095  | 5   | 5720  |       |
|                        | 067  | 000   | 2    | 999  | 9          | King and Queen        |    | 097  | 6   | 0000  |       |
|                        | 068  | 296   | 1    | 999  | 9          | King George           |    | 099  | 6   | 8840  |       |
|                        | 069  | 000   | 2    | 999  | 9          | King William          |    | 101  | 6   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9          | Lancaster             |    | 103  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                     |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|---------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names          | St | Cnty | P/S | P/MSA | Place |
| 47                     |      |       |      |      |            | Virginia            | 51 |      |     |       |       |
|                        | 071  | 000   | 2    | 999  | 9          | Lee                 |    | 105  | 6   | 0000  |       |
|                        | 072  | 000   | 2    | 999  | 9          | Lexington city      |    | 678  | 6   | 0000  | 99999 |
|                        | 073  | 296   | 1    |      |            | Loudoun             |    | 107  | 4   | 8840  |       |
|                        |      |       |      | 017  | 6          | Leesburg            |    |      |     |       | 44984 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 074  | 000   | 2    | 999  | 9          | Louisa              |    | 109  | 6   | 0000  |       |
|                        | 075  | 000   | 2    | 999  | 9          | Lunenburg           |    | 111  | 6   | 0000  |       |
|                        | 076  | 171   | 1    | 018  | 4          | Lynchburg city      |    | 680  | 4   | 4640  | 47672 |
|                        | 077  | 000   | 2    | 999  | 9          | Madison             |    | 113  | 6   | 0000  |       |
|                        | 078  | 296   | 1    | 019  | 5          | Manassas city       |    | 683  | 5   | 8840  | 48952 |
|                        | 079  | 296   | 1    | 999  | 9          | Manassas Park city  |    | 685  | 6   | 8840  | 99999 |
|                        | 080  | 000   | 2    | 020  | 6          | Martinsville city   |    | 690  | 6   | 0000  | 49784 |
|                        | 081  | 200   | 1    | 999  | 9          | Mathews             |    | 115  | 6   | 5720  |       |
|                        | 082  | 000   | 2    | 999  | 9          | Mecklenburg         |    | 117  | 5   | 0000  |       |
|                        | 083  | 000   | 2    | 999  | 9          | Middlesex           |    | 119  | 6   | 0000  |       |
|                        | 084  | 000   | 2    |      |            | Montgomery          |    | 121  | 4   | 0000  |       |
|                        |      |       |      | 003  | 5          | Blacksburg          |    |      |     |       | 07784 |
|                        |      |       |      | 007  | 6          | Christiansburg      |    |      |     |       | 16608 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 085  | 000   | 2    | 999  | 9          | Nelson              |    | 125  | 6   | 0000  |       |
|                        | 086  | 232   | 1    | 999  | 9          | New Kent            |    | 127  | 6   | 6760  |       |
|                        | 087  | 200   | 1    | 021  | 3          | Newport News city   |    | 700  | 3   | 5720  | 56000 |
|                        | 088  | 200   | 1    | 022  | 2          | Norfolk city        |    | 710  | 2   | 5720  | 57000 |
|                        | 089  | 000   | 2    | 999  | 9          | Northampton         |    | 131  | 6   | 0000  |       |
|                        | 090  | 000   | 2    | 999  | 9          | Northumberland      |    | 133  | 6   | 0000  |       |
|                        | 091  | 000   | 2    | 999  | 9          | Norton city         |    | 720  | 6   | 0000  | 99999 |
|                        | 092  | 000   | 2    | 999  | 9          | Nottoway            |    | 135  | 6   | 0000  |       |
|                        | 093  | 000   | 2    | 999  | 9          | Orange              |    | 137  | 6   | 0000  |       |
|                        | 094  | 000   | 2    | 999  | 9          | Page                |    | 139  | 6   | 0000  |       |
|                        | 095  | 000   | 2    | 999  | 9          | Patrick             |    | 141  | 6   | 0000  |       |
|                        | 096  | 232   | 1    | 023  | 5          | Petersburg city     |    | 730  | 5   | 6760  | 61832 |
|                        | 097  | 068   | 1    | 999  | 9          | Pittsylvania        |    | 143  | 4   | 1950  |       |
|                        | 098  | 200   | 1    | 024  | 6          | Poquoson city       |    | 735  | 6   | 5720  | 63768 |
|                        | 099  | 200   | 1    | 025  | 3          | Portsmouth city     |    | 740  | 3   | 5720  | 64000 |
|                        | 100  | 232   | 1    | 999  | 9          | Powhatan            |    | 145  | 6   | 6760  |       |
|                        | 101  | 000   | 2    | 999  | 9          | Prince Edward       |    | 147  | 6   | 0000  |       |
|                        | 102  | 232   | 1    | 999  | 9          | Prince George       |    | 149  | 5   | 6760  |       |
|                        | 103  | 296   | 1    | 999  | 9          | Prince William      |    | 153  | 3   | 8840  |       |
|                        | 104  | 000   | 2    | 999  | 9          | Pulaski             |    | 155  | 5   | 0000  |       |
|                        | 105  | 000   | 2    | 026  | 6          | Radford city        |    | 750  | 6   | 0000  | 65392 |
|                        | 106  | 000   | 2    | 999  | 9          | Rappahannock        |    | 157  | 6   | 0000  |       |
|                        | 107  | 000   | 2    | 999  | 9          | Richmond            |    | 159  | 6   | 0000  |       |
|                        | 108  | 232   | 1    | 027  | 3          | Richmond city       |    | 760  | 3   | 6760  | 67000 |
|                        | 109  | 234   | 1    | 999  | 9          | Roanoke             |    | 161  | 4   | 6800  |       |
|                        | 110  | 234   | 1    | 028  | 4          | Roanoke city        |    | 770  | 4   | 6800  | 68000 |
|                        | 111  | 000   | 2    | 999  | 9          | Rockbridge          |    | 163  | 6   | 0000  |       |
|                        | 112  | 000   | 2    | 999  | 9          | Rockingham          |    | 165  | 4   | 0000  |       |
|                        | 113  | 000   | 2    | 999  | 9          | Russell             |    | 167  | 5   | 0000  |       |
|                        | 114  | 234   | 1    | 029  | 6          | Salem city          |    | 775  | 6   | 6800  | 70000 |
|                        | 115  | 140   | 1    | 999  | 9          | Scott               |    | 169  | 6   | 3660  |       |
|                        | 116  | 000   | 2    | 999  | 9          | Shenandoah          |    | 171  | 5   | 0000  |       |
|                        | 117  | 000   | 2    | 999  | 9          | Smyth               |    | 173  | 5   | 0000  |       |
|                        | 118  | 000   | 2    | 999  | 9          | Southampton         |    | 175  | 6   | 0000  |       |
|                        | 120  | 296   | 1    | 999  | 9          | Spotsylvania        |    | 177  | 4   | 8840  |       |
|                        | 121  | 296   | 1    | 999  | 9          | Stafford            |    | 179  | 4   | 8840  |       |
|                        | 122  | 000   | 2    | 030  | 6          | Staunton city       |    | 790  | 6   | 0000  | 75216 |
|                        | 123  | 200   | 1    | 031  | 4          | Suffolk city        |    | 800  | 4   | 5720  | 76432 |
|                        | 124  | 000   | 2    | 999  | 9          | Surry               |    | 181  | 6   | 0000  |       |
|                        | 125  | 000   | 2    | 999  | 9          | Sussex              |    | 183  | 6   | 0000  |       |
|                        | 126  | 000   | 2    | 999  | 9          | Tazewell            |    | 185  | 5   | 0000  |       |
|                        | 127  | 200   | 1    | 033  | 2          | Virginia Beach city |    | 810  | 2   | 5720  | 82000 |
|                        | 128  | 296   | 1    |      |            | Warren              |    | 187  | 5   | 8840  |       |
|                        |      |       |      | 012  | 6          | Front Royal         |    |      |     |       | 29968 |
|                        |      |       |      | 999  | 9          | Balance of county   |    |      |     |       | 99999 |
|                        | 129  | 140   | 1    | 999  | 9          | Washington          |    | 191  | 5   | 3660  |       |
|                        | 130  | 000   | 2    | 034  | 6          | Waynesboro city     |    | 820  | 6   | 0000  | 83680 |
|                        | 131  | 000   | 2    | 999  | 9          | Westmoreland        |    | 193  | 6   | 0000  |       |
|                        | 132  | 200   | 1    | 035  | 6          | Williamsburg city   |    | 830  | 6   | 5720  | 86160 |
|                        | 133  | 000   | 2    | 036  | 6          | Winchester city     |    | 840  | 6   | 0000  | 86720 |
|                        | 134  | 000   | 2    | 999  | 9          | Wise                |    | 195  | 5   | 0000  |       |
|                        | 135  | 000   | 2    | 999  | 9          | Wythe               |    | 197  | 5   | 0000  |       |
|                        | 136  | 200   | 1    | 999  | 9          | York                |    | 199  | 5   | 5720  |       |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                   |    |      |     |       |       |
|------------------------|------|-------|------|------------|-----|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 48                     |      |       |      |            |     | Washington        | 53 |      |     |       |       |
|                        | 001  | 000   | 2    | 999        | 9   | Adams             |    | 001  | 6   | 0000  |       |
|                        | 002  | 000   | 2    | 999        | 9   | Asotin            |    | 003  | 6   | 0000  |       |
|                        | 003  | 231   | 1    |            |     | Benton            |    | 005  | 3   | 6740  |       |
|                        |      |       |      | 014        | 5   | Kennewick         |    |      |     |       | 35275 |
|                        |      |       |      | 033        | 5   | Richland          |    |      |     |       | 58235 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 004  | 000   | 2    |            |     | Chelan            |    | 007  | 4   | 0000  |       |
|                        |      |       |      | 041        | 6   | Wenatchee         |    |      |     |       | 77105 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 005  | 000   | 2    |            |     | Clallam           |    | 009  | 4   | 0000  |       |
|                        |      |       |      | 028        | 6   | Port Angeles      |    |      |     |       | 55365 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 006  | 220   | 1    |            |     | Clark             |    | 011  | 3   | 6440  |       |
|                        |      |       |      | 039        | 5   | Vancouver         |    |      |     |       | 74060 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999        | 9   | Columbia          |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    |            |     | Cowlitz           |    | 015  | 4   | 0000  |       |
|                        |      |       |      | 013        | 6   | Kelso             |    |      |     |       | 35065 |
|                        |      |       |      | 018        | 5   | Longview          |    |      |     |       | 40245 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 009  | 000   | 2    | 999        | 9   | Douglas           |    | 017  | 5   | 0000  |       |
|                        | 010  | 000   | 2    | 999        | 9   | Ferry             |    | 019  | 6   | 0000  |       |
|                        | 011  | 231   | 1    |            |     | Franklin          |    | 021  | 5   | 6740  |       |
|                        |      |       |      | 027        | 6   | Pasco             |    |      |     |       | 53545 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 012  | 000   | 2    | 999        | 9   | Garfield          |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    |            |     | Grant             |    | 025  | 4   | 0000  |       |
|                        |      |       |      | 022        | 6   | Moses Lake        |    |      |     |       | 47245 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 014  | 000   | 2    |            |     | Grays Harbor      |    | 027  | 4   | 0000  |       |
|                        |      |       |      | 001        | 6   | Aberdeen          |    |      |     |       | 00100 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 015  | 260   | 1    |            |     | Island            |    | 029  | 4   | 7600  |       |
|                        |      |       |      | 025        | 6   | Oak Harbor        |    |      |     |       | 50360 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 016  | 000   | 2    | 999        | 9   | Jefferson         |    | 031  | 6   | 0000  |       |
|                        | 017  | 260   | 1    |            |     | King              |    | 033  | 0   | 7600  |       |
|                        |      |       |      | 003        | 5   | Auburn            |    |      |     |       | 03180 |
|                        |      |       |      | 004        | 4   | Bellevue          |    |      |     |       | 05210 |
|                        |      |       |      | 006        | 6   | Bothell, part     |    |      |     |       | 07380 |
|                        |      |       |      | 009        | 6   | Des Moines        |    |      |     |       | 17635 |
|                        |      |       |      | 015        | 5   | Kent              |    |      |     |       | 35415 |
|                        |      |       |      | 016        | 5   | Kirkland          |    |      |     |       | 35940 |
|                        |      |       |      | 021        | 6   | Mercer Island     |    |      |     |       | 45005 |
|                        |      |       |      | 031        | 5   | Redmond           |    |      |     |       | 57535 |
|                        |      |       |      | 032        | 5   | Renton            |    |      |     |       | 57745 |
|                        |      |       |      | 034        | 1   | Seattle           |    |      |     |       | 63000 |
|                        |      |       |      | 038        | 6   | Tukwila           |    |      |     |       | 72625 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 040   | 1    |            |     | Kitsap            |    | 035  | 3   | 1150  |       |
|                        |      |       |      | 007        | 5   | Bremerton         |    |      |     |       | 07695 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 019  | 000   | 2    |            |     | Kittitas          |    | 037  | 5   | 0000  |       |
|                        |      |       |      | 011        | 6   | Ellensburg        |    |      |     |       | 21240 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 020  | 000   | 2    | 999        | 9   | Klickitat         |    | 039  | 6   | 0000  |       |
|                        | 021  | 000   | 2    |            |     | Lewis             |    | 041  | 4   | 0000  |       |
|                        |      |       |      | 008        | 6   | Centralia         |    |      |     |       | 11160 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 022  | 000   | 2    | 999        | 9   | Lincoln           |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    | 999        | 9   | Mason             |    | 045  | 5   | 0000  |       |
|                        | 024  | 000   | 2    | 999        | 9   | Okanogan          |    | 047  | 5   | 0000  |       |
|                        | 025  | 000   | 2    | 999        | 9   | Pacific           |    | 049  | 6   | 0000  |       |
|                        | 026  | 000   | 2    | 999        | 9   | Pend Oreille      |    | 051  | 6   | 0000  |       |
|                        | 027  | 277   | 1    |            |     | Pierce            |    | 053  | 1   | 8200  |       |
|                        |      |       |      | 030        | 6   | Puyallup          |    |      |     |       | 56695 |
|                        |      |       |      | 037        | 3   | Tacoma            |    |      |     |       | 70000 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 028  | 000   | 2    | 999        | 9   | San Juan          |    | 055  | 6   | 0000  |       |
|                        | 029  | 000   | 2    |            |     | Skagit            |    | 057  | 4   | 0000  |       |
|                        |      |       |      | 002        | 6   | Anacortes         |    |      |     |       | 01990 |
|                        |      |       |      | 024        | 6   | Mount Vernon      |    |      |     |       | 47560 |
|                        |      |       |      | 999        | 9   | Balance of county |    |      |     |       | 99999 |
|                        | 030  | 000   | 2    | 999        | 9   | Skamania          |    | 059  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 48                     |      |       |      |      |            | Washington        | 53 |      |     |       |       |
|                        | 031  | 260   | 1    |      |            | Snohomish         |    | 061  | 2   | 7600  |       |
|                        |      |       |      | 006  | 6          | Bothell, part     |    |      |     |       | 07380 |
|                        |      |       |      | 010  | 5          | Edmonds           |    |      |     |       | 20750 |
|                        |      |       |      | 012  | 4          | Everett           |    |      |     |       | 22640 |
|                        |      |       |      | 019  | 5          | Lynnwood          |    |      |     |       | 40840 |
|                        |      |       |      | 020  | 6          | Marysville        |    |      |     |       | 43955 |
|                        |      |       |      | 023  | 6          | Mountlake Terrace |    |      |     |       | 47490 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 032  | 268   | 1    |      |            | Spokane           |    | 063  | 2   | 7840  |       |
|                        |      |       |      | 035  | 3          | Spokane           |    |      |     |       | 67000 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 033  | 000   | 2    |      |            | Stevens           |    | 065  | 5   | 0000  |       |
|                        | 034  | 205   | 1    |      |            | Thurston          |    | 067  | 3   | 5910  |       |
|                        |      |       |      | 017  | 6          | Lacey             |    |      |     |       | 36745 |
|                        |      |       |      | 026  | 5          | Olympia           |    |      |     |       | 51300 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 035  | 000   | 2    |      |            | Wahkiakum         |    | 069  | 6   | 0000  |       |
|                        | 036  | 000   | 2    |      |            | Walla Walla       |    | 071  | 5   | 0000  |       |
|                        |      |       |      | 040  | 5          | Walla Walla       |    |      |     |       | 75775 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 037  | 026   | 1    |      |            | Whatcom           |    | 073  | 3   | 0860  |       |
|                        |      |       |      | 005  | 4          | Bellingham        |    |      |     |       | 05280 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 038  | 000   | 2    |      |            | Whitman           |    | 075  | 5   | 0000  |       |
|                        |      |       |      | 029  | 6          | Pullman           |    |      |     |       | 56625 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 039  | 306   | 1    |      |            | Yakima            |    | 077  | 3   | 9260  |       |
|                        |      |       |      | 036  | 6          | Sunnyside         |    |      |     |       | 68750 |
|                        |      |       |      | 042  | 4          | Yakima            |    |      |     |       | 80010 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |    |      |     |       |       |
|------------------------|------|-------|------|------|------------|-------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St | Cnty | P/S | P/MSA | Place |
| 49                     |      |       |      |      |            | West Virginia     | 54 |      |     |       |       |
|                        | 001  | 000   | 2    | 999  | 9          | Barbour           |    | 001  | 6   | 0000  |       |
|                        | 002  | 296   | 1    |      |            | Berkeley          |    | 003  | 4   | 8840  |       |
|                        |      |       |      | 007  | 6          | Martinsburg       |    |      |     |       | 52060 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 003  | 000   | 2    | 999  | 9          | Boone             |    | 005  | 5   | 0000  |       |
|                        | 004  | 000   | 2    | 999  | 9          | Braxton           |    | 007  | 6   | 0000  |       |
|                        | 005  | 273   | 1    |      |            | Brooke            |    | 009  | 5   | 8080  |       |
|                        |      |       |      | 014  | 6          | Weirton, part     |    |      |     |       | 85156 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 006  | 128   | 1    |      |            | Cabell            |    | 011  | 4   | 3400  |       |
|                        |      |       |      | 006  | 4          | Huntington, part  |    |      |     |       | 39460 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 007  | 000   | 2    | 999  | 9          | Calhoun           |    | 013  | 6   | 0000  |       |
|                        | 008  | 000   | 2    | 999  | 9          | Clay              |    | 015  | 6   | 0000  |       |
|                        | 009  | 000   | 2    | 999  | 9          | Doddridge         |    | 017  | 6   | 0000  |       |
|                        | 010  | 000   | 2    | 999  | 9          | Fayette           |    | 019  | 5   | 0000  |       |
|                        | 011  | 000   | 2    | 999  | 9          | Gilmer            |    | 021  | 6   | 0000  |       |
|                        | 012  | 000   | 2    | 999  | 9          | Grant             |    | 023  | 6   | 0000  |       |
|                        | 013  | 000   | 2    | 999  | 9          | Greenbrier        |    | 025  | 5   | 0000  |       |
|                        | 014  | 000   | 2    | 999  | 9          | Hampshire         |    | 027  | 6   | 0000  |       |
|                        | 015  | 273   | 1    |      |            | Hancock           |    | 029  | 5   | 8080  |       |
|                        |      |       |      | 014  | 6          | Weirton, part     |    |      |     |       | 85156 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 016  | 000   | 2    | 999  | 9          | Hardy             |    | 031  | 6   | 0000  |       |
|                        | 017  | 000   | 2    |      |            | Harrison          |    | 033  | 4   | 0000  |       |
|                        |      |       |      | 004  | 6          | Clarksburg        |    |      |     |       | 15628 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | Jackson           |    | 035  | 5   | 0000  |       |
|                        | 019  | 296   | 1    | 999  | 9          | Jefferson         |    | 037  | 5   | 8840  |       |
|                        | 020  | 050   | 1    |      |            | Kanawha           |    | 039  | 3   | 1480  |       |
|                        |      |       |      | 003  | 4          | Charleston        |    |      |     |       | 14600 |
|                        |      |       |      | 011  | 6          | St. Albans        |    |      |     |       | 71212 |
|                        |      |       |      | 012  | 6          | South Charleston  |    |      |     |       | 75292 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 021  | 000   | 2    | 999  | 9          | Lewis             |    | 041  | 6   | 0000  |       |
|                        | 022  | 000   | 2    | 999  | 9          | Lincoln           |    | 043  | 6   | 0000  |       |
|                        | 023  | 000   | 2    | 999  | 9          | Logan             |    | 045  | 5   | 0000  |       |
|                        | 024  | 000   | 2    | 999  | 9          | McDowell          |    | 047  | 5   | 0000  |       |
|                        | 025  | 000   | 2    |      |            | Marion            |    | 049  | 4   | 0000  |       |
|                        |      |       |      | 005  | 6          | Fairmont          |    |      |     |       | 26452 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 026  | 300   | 1    |      |            | Marshall          |    | 051  | 5   | 9000  |       |
|                        |      |       |      | 009  | 6          | Moundsville       |    |      |     |       | 56020 |
|                        |      |       |      | 015  | 5          | Wheeling, part    |    |      |     |       | 86452 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 027  | 000   | 2    | 999  | 9          | Mason             |    | 053  | 5   | 0000  |       |
|                        | 028  | 000   | 2    |      |            | Mercer            |    | 055  | 4   | 0000  |       |
|                        |      |       |      | 002  | 6          | Bluefield         |    |      |     |       | 08524 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 029  | 066   | 1    | 999  | 9          | Mineral           |    | 057  | 5   | 1900  |       |
|                        | 030  | 000   | 2    | 999  | 9          | Mingo             |    | 059  | 5   | 0000  |       |
|                        | 031  | 000   | 2    |      |            | Monongalia        |    | 061  | 4   | 0000  |       |
|                        |      |       |      | 008  | 5          | Morgantown        |    |      |     |       | 55756 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 032  | 000   | 2    | 999  | 9          | Monroe            |    | 063  | 6   | 0000  |       |
|                        | 033  | 000   | 2    | 999  | 9          | Morgan            |    | 065  | 6   | 0000  |       |
|                        | 034  | 000   | 2    | 999  | 9          | Nicholas          |    | 067  | 5   | 0000  |       |
|                        | 035  | 300   | 1    |      |            | Ohio              |    | 069  | 4   | 9000  |       |
|                        |      |       |      | 015  | 5          | Wheeling, part    |    |      |     |       | 86452 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 036  | 000   | 2    | 999  | 9          | Pendleton         |    | 071  | 6   | 0000  |       |
|                        | 037  | 000   | 2    | 999  | 9          | Pleasants         |    | 073  | 6   | 0000  |       |
|                        | 038  | 000   | 2    | 999  | 9          | Pocahontas        |    | 075  | 6   | 0000  |       |
|                        | 039  | 000   | 2    | 999  | 9          | Preston           |    | 077  | 5   | 0000  |       |
|                        | 040  | 050   | 1    | 999  | 9          | Putnam            |    | 079  | 5   | 1480  |       |
|                        | 041  | 000   | 2    |      |            | Raleigh           |    | 081  | 4   | 0000  |       |
|                        |      |       |      | 001  | 6          | Beckley           |    |      |     |       | 05332 |
|                        |      |       |      | 999  | 9          | Balance of county |    |      |     |       | 99999 |
|                        | 042  | 000   | 2    | 999  | 9          | Randolph          |    | 083  | 5   | 0000  |       |
|                        | 043  | 000   | 2    | 999  | 9          | Ritchie           |    | 085  | 6   | 0000  |       |
|                        | 044  | 000   | 2    | 999  | 9          | Roane             |    | 087  | 6   | 0000  |       |
|                        | 045  | 000   | 2    | 999  | 9          | Summers           |    | 089  | 6   | 0000  |       |
|                        | 046  | 000   | 2    | 999  | 9          | Taylor            |    | 091  | 6   | 0000  |       |
|                        | 047  | 000   | 2    | 999  | 9          | Tucker            |    | 093  | 6   | 0000  |       |

| Vital Statistics Codes |      |       |      |      |     | FIPS Codes        |     |      |      |       |       |
|------------------------|------|-------|------|------|-----|-------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names        | St  | Cnty | P/S  | P/MSA | Place |
| 49                     |      |       |      |      |     | West Virginia     | 54  |      |      |       |       |
|                        | 048  | 000   | 2    | 999  | 9   | Tyler             | 095 | 6    | 0000 |       |       |
|                        | 049  | 000   | 2    | 999  | 9   | Upshur            | 097 | 6    | 0000 |       |       |
|                        | 050  | 128   | 1    |      |     | Wayne             | 099 | 5    | 3400 |       |       |
|                        |      |       |      | 006  | 4   | Huntington, part  |     |      |      |       | 39460 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |      |       | 99999 |
|                        | 051  | 000   | 2    | 999  | 9   | Webster           | 101 | 6    | 0000 |       |       |
|                        | 052  | 000   | 2    | 999  | 9   | Wetzel            | 103 | 6    | 0000 |       |       |
|                        | 053  | 000   | 2    | 999  | 9   | Wirt              | 105 | 6    | 0000 |       |       |
|                        | 054  | 211   | 1    |      |     | Wood              | 107 | 4    | 6020 |       |       |
|                        |      |       |      | 010  | 5   | Parkersburg       |     |      |      |       | 62140 |
|                        |      |       |      | 013  | 6   | Vienna            |     |      |      |       | 83500 |
|                        |      |       |      | 999  | 9   | Balance of county |     |      |      |       | 99999 |
|                        | 055  | 000   | 2    | 999  | 9   | Wyoming           | 109 | 5    | 0000 |       |       |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                          |     |      |     |       |       |
|------------------------|------|-------|------|------------|-----|--------------------------|-----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names               | St  | Cnty | P/S | P/MSA | Place |
| 50                     |      |       |      |            |     | Wisconsin                | 55  |      |     |       |       |
| 001                    | 000  | 2     | 999  | 9          |     | Adams                    | 001 | 6    |     | 0000  |       |
| 002                    | 000  | 2     | 999  | 9          |     | Ashland                  | 003 | 6    |     | 0000  |       |
| 003                    | 000  | 2     | 999  | 9          |     | Barron                   | 005 | 5    |     | 0000  |       |
| 004                    | 000  | 2     | 999  | 9          |     | Bayfield                 | 007 | 6    |     | 0000  |       |
| 005                    | 115  | 1     |      |            |     | Brown                    | 009 | 3    |     | 3080  |       |
|                        |      |       |      | 001        | 6   | Allouez village          |     |      |     |       | 01175 |
|                        |      |       |      | 003        | 6   | Ashwaubenon village      |     |      |     |       | 03425 |
|                        |      |       |      | 011        | 6   | De Pere                  |     |      |     |       | 19775 |
|                        |      |       |      | 019        | 4   | Green Bay                |     |      |     |       | 31000 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 006                    | 000  | 2     | 999  | 9          |     | Buffalo                  | 011 | 6    |     | 0000  |       |
| 007                    | 000  | 2     | 999  | 9          |     | Burnett                  | 013 | 6    |     | 0000  |       |
| 008                    | 013  | 1     |      |            |     | Calumet                  | 015 | 5    |     | 0460  |       |
|                        |      |       |      | 002        | 4   | Appleton, part           |     |      |     |       | 02375 |
|                        |      |       |      | 030        | 6   | Menasha, part            |     |      |     |       | 50825 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 009                    | 082  | 1     |      |            |     | Chippewa                 | 017 | 4    |     | 2290  |       |
|                        |      |       |      | 009        | 6   | Chippewa Falls           |     |      |     |       | 14575 |
|                        |      |       |      | 012        | 4   | Eau Claire, part         |     |      |     |       | 22300 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 010                    | 000  | 2     | 999  | 9          |     | Clark                    | 019 | 5    |     | 0000  |       |
| 011                    | 000  | 2     | 999  | 9          |     | Columbia                 | 021 | 5    |     | 0000  |       |
| 012                    | 000  | 2     | 999  | 9          |     | Crawford                 | 023 | 6    |     | 0000  |       |
| 013                    | 173  | 1     |      |            |     | Dane                     | 025 | 2    |     | 4720  |       |
|                        |      |       |      | 013        | 6   | Fitchburg                |     |      |     |       | 25950 |
|                        |      |       |      | 026        | 3   | Madison                  |     |      |     |       | 48000 |
|                        |      |       |      | 034        | 6   | Middleton                |     |      |     |       | 51575 |
|                        |      |       |      | 051        | 6   | Sun Prairie              |     |      |     |       | 78600 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 014                    | 000  | 2     |      |            |     | Dodge                    | 027 | 4    |     | 0000  |       |
|                        |      |       |      | 004        | 6   | Beaver Dam               |     |      |     |       | 05900 |
|                        |      |       |      | 054        | 6   | Watertown, part          |     |      |     |       | 83975 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 015                    | 000  | 2     | 999  | 9          |     | Door                     | 029 | 5    |     | 0000  |       |
| 016                    | 080  | 1     |      |            |     | Douglas                  | 031 | 5    |     | 2240  |       |
|                        |      |       |      | 052        | 5   | Superior                 |     |      |     |       | 78700 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 017                    | 000  | 2     |      |            |     | Dunn                     | 033 | 5    |     | 0000  |       |
|                        |      |       |      | 032        | 6   | Menomonie                |     |      |     |       | 51025 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 018                    | 082  | 1     |      |            |     | Eau Claire               | 035 | 4    |     | 2290  |       |
|                        |      |       |      | 012        | 4   | Eau Claire, part         |     |      |     |       | 22300 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 019                    | 000  | 2     | 999  | 9          |     | Florence                 | 037 | 6    |     | 0000  |       |
| 020                    | 000  | 2     |      |            |     | Fond du Lac              | 039 | 4    |     | 0000  |       |
|                        |      |       |      | 014        | 5   | Fond du Lac              |     |      |     |       | 26275 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 021                    | 000  | 2     | 999  | 9          |     | Forest                   | 041 | 6    |     | 0000  |       |
| 022                    | 000  | 2     | 999  | 9          |     | Grant                    | 043 | 5    |     | 0000  |       |
| 023                    | 000  | 2     |      |            |     | Green                    | 045 | 5    |     | 0000  |       |
|                        |      |       |      | 036        | 6   | Monroe                   |     |      |     |       | 53750 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 024                    | 000  | 2     | 999  | 9          |     | Green Lake               | 047 | 6    |     | 0000  |       |
| 025                    | 000  | 2     | 999  | 9          |     | Iowa                     | 049 | 6    |     | 0000  |       |
| 026                    | 000  | 2     | 999  | 9          |     | Iron                     | 051 | 6    |     | 0000  |       |
| 027                    | 000  | 2     | 999  | 9          |     | Jackson                  | 053 | 6    |     | 0000  |       |
| 028                    | 000  | 2     |      |            |     | Jefferson                | 055 | 4    |     | 0000  |       |
|                        |      |       |      | 015        | 6   | Fort Atkinson            |     |      |     |       | 26675 |
|                        |      |       |      | 054        | 6   | Watertown, part          |     |      |     |       | 83975 |
|                        |      |       |      | 061        | 6   | Whitewater, part         |     |      |     |       | 86925 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 029                    | 000  | 2     | 999  | 9          |     | Juneau                   | 057 | 6    |     | 0000  |       |
| 030                    | 146  | 1     |      |            |     | Kenosha                  | 059 | 3    |     | 3800  |       |
|                        |      |       |      | 024        | 4   | Kenosha                  |     |      |     |       | 39225 |
|                        |      |       |      | 044        | 6   | Pleasant Prairie village |     |      |     |       | 63300 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 031                    | 000  | 2     | 999  | 9          |     | Kewaunee                 | 061 | 6    |     | 0000  |       |
| 032                    | 150  | 1     |      |            |     | La Crosse                | 063 | 4    |     | 3870  |       |
|                        |      |       |      | 025        | 4   | La Crosse                |     |      |     |       | 40775 |
|                        |      |       |      | 042        | 6   | Onalaska                 |     |      |     |       | 59925 |
|                        |      |       |      | 999        | 9   | Balance of county        |     |      |     |       | 99999 |
| 033                    | 000  | 2     | 999  | 9          |     | Lafayette                | 065 | 6    |     | 0000  |       |
| 034                    | 000  | 2     | 999  | 9          |     | Langlade                 | 067 | 6    |     | 0000  |       |
| 035                    | 000  | 2     | 999  | 9          |     | Lincoln                  | 069 | 5    |     | 0000  |       |

| Vital Statistics Codes |      |       |      | FIPS Codes |     |                       |     |      |      |       |       |
|------------------------|------|-------|------|------------|-----|-----------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City       | P/S | Area Names            | St  | Cnty | P/S  | P/MSA | Place |
| 50                     |      |       |      |            |     | Wisconsin             | 55  |      |      |       |       |
|                        | 036  | 000   | 2    |            |     | Manitowoc             | 071 | 4    | 0000 |       |       |
|                        |      |       |      | 027        | 5   | Manitowoc             |     |      |      |       | 48500 |
|                        |      |       |      | 053        | 6   | Two Rivers            |     |      |      |       | 81325 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 037  | 298   | 1    |            |     | Marathon              | 073 | 3    | 8940 |       |       |
|                        |      |       |      | 029        | 6   | Marshfield, part      |     |      |      |       | 49675 |
|                        |      |       |      | 056        | 5   | Wausau                |     |      |      |       | 84475 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 038  | 000   | 2    |            |     | Marinette             | 075 | 5    | 0000 |       |       |
|                        |      |       |      | 028        | 6   | Marinette             |     |      |      |       | 49300 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 039  | 000   | 2    |            |     | Marquette             | 077 | 6    | 0000 |       |       |
|                        | 040  | 000   | 2    |            |     | Menominee             | 078 | 6    | 0000 |       |       |
|                        | 041  | 182   | 1    |            |     | Milwaukee             | 079 | 1    | 5080 |       |       |
|                        |      |       |      | 007        | 6   | Brown Deer village    |     |      |      |       | 10375 |
|                        |      |       |      | 010        | 6   | Cudahy                |     |      |      |       | 17975 |
|                        |      |       |      | 016        | 6   | Franklin              |     |      |      |       | 27300 |
|                        |      |       |      | 018        | 6   | Glendale              |     |      |      |       | 29400 |
|                        |      |       |      | 020        | 6   | Greendale village     |     |      |      |       | 31125 |
|                        |      |       |      | 021        | 5   | Greenfield            |     |      |      |       | 31175 |
|                        |      |       |      | 035        | 1   | Milwaukee, part       |     |      |      |       | 53000 |
|                        |      |       |      | 040        | 6   | Oak Creek             |     |      |      |       | 58800 |
|                        |      |       |      | 048        | 6   | Shorewood village     |     |      |      |       | 73725 |
|                        |      |       |      | 049        | 6   | South Milwaukee       |     |      |      |       | 75125 |
|                        |      |       |      | 057        | 5   | Wauwatosa             |     |      |      |       | 84675 |
|                        |      |       |      | 058        | 4   | West Allis            |     |      |      |       | 85300 |
|                        |      |       |      | 060        | 6   | Whitefish Bay village |     |      |      |       | 86700 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 042  | 000   | 2    |            |     | Monroe                | 081 | 5    | 0000 |       |       |
|                        | 043  | 000   | 2    |            |     | Oconto                | 083 | 5    | 0000 |       |       |
|                        | 044  | 000   | 2    |            |     | Oneida                | 085 | 5    | 0000 |       |       |
|                        | 045  | 013   | 1    |            |     | Outagamie             | 087 | 3    | 0460 |       |       |
|                        |      |       |      | 002        | 4   | Appleton, part        |     |      |      |       | 02375 |
|                        |      |       |      | 023        | 6   | Kaukauna              |     |      |      |       | 38800 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 046  | 182   | 1    |            |     | Ozaukee               | 089 | 4    | 5080 |       |       |
|                        |      |       |      | 008        | 6   | Cedarburg             |     |      |      |       | 13375 |
|                        |      |       |      | 033        | 6   | Mequon                |     |      |      |       | 51150 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 047  | 000   | 2    |            |     | Pepin                 | 091 | 6    | 0000 |       |       |
|                        | 048  | 183   | 1    |            |     | Pierce                | 093 | 5    | 5120 |       |       |
|                        |      |       |      | 046        | 6   | River Falls, part     |     |      |      |       | 68275 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 049  | 000   | 2    |            |     | Polk                  | 095 | 5    | 0000 |       |       |
|                        | 050  | 000   | 2    |            |     | Portage               | 097 | 4    | 0000 |       |       |
|                        |      |       |      | 050        | 6   | Stevens Point         |     |      |      |       | 77200 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 051  | 000   | 2    |            |     | Price                 | 099 | 6    | 0000 |       |       |
|                        | 052  | 225   | 1    |            |     | Racine                | 101 | 3    | 6600 |       |       |
|                        |      |       |      | 045        | 4   | Racine                |     |      |      |       | 66000 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 053  | 000   | 2    |            |     | Richland              | 103 | 6    | 0000 |       |       |
|                        | 054  | 138   | 1    |            |     | Rock                  | 105 | 3    | 3620 |       |       |
|                        |      |       |      | 005        | 5   | Beloit                |     |      |      |       | 06500 |
|                        |      |       |      | 022        | 4   | Janesville            |     |      |      |       | 37825 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 055  | 000   | 2    |            |     | Rusk                  | 107 | 6    | 0000 |       |       |
|                        | 056  | 183   | 1    |            |     | St. Croix             | 109 | 4    | 5120 |       |       |
|                        |      |       |      | 046        | 6   | River Falls, part     |     |      |      |       | 68275 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 057  | 000   | 2    |            |     | Sauk                  | 111 | 5    | 0000 |       |       |
|                        | 058  | 000   | 2    |            |     | Sawyer                | 113 | 6    | 0000 |       |       |
|                        | 059  | 000   | 2    |            |     | Shawano               | 115 | 5    | 0000 |       |       |
|                        | 060  | 262   | 1    |            |     | Sheboygan             | 117 | 3    | 7620 |       |       |
|                        |      |       |      | 047        | 5   | Sheboygan             |     |      |      |       | 72975 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 061  | 000   | 2    |            |     | Taylor                | 119 | 6    | 0000 |       |       |
|                        | 062  | 000   | 2    |            |     | Trempealeau           | 121 | 5    | 0000 |       |       |
|                        | 063  | 000   | 2    |            |     | Vernon                | 123 | 5    | 0000 |       |       |
|                        | 064  | 000   | 2    |            |     | Vilas                 | 125 | 6    | 0000 |       |       |
|                        | 065  | 000   | 2    |            |     | Walworth              | 127 | 4    | 0000 |       |       |
|                        |      |       |      | 061        | 6   | Whitewater, part      |     |      |      |       | 86925 |
|                        |      |       |      | 999        | 9   | Balance of county     |     |      |      |       | 99999 |
|                        | 066  | 000   | 2    |            |     | Washburn              | 129 | 6    | 0000 |       |       |



| Vital Statistics Codes |      |       |      |      |     | FIPS Codes              |    |      |     |       |       |
|------------------------|------|-------|------|------|-----|-------------------------|----|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names              | St | Cnty | P/S | P/MSA | Place |
| 50                     |      |       |      |      |     | Wisconsin               | 55 |      |     |       |       |
|                        | 067  | 182   | 1    |      |     | Washington              |    | 131  | 4   | 5080  |       |
|                        |      |       |      | 017  | 6   | Germantown village      |    |      |     |       | 28875 |
|                        |      |       |      | 035  | 1   | Milwaukee, part         |    |      |     |       | 53000 |
|                        |      |       |      | 059  | 6   | West Bend               |    |      |     |       | 85350 |
|                        |      |       |      | 999  | 9   | Balance of county       |    |      |     |       | 99999 |
|                        | 068  | 182   | 1    |      |     | Waukesha                |    | 133  | 2   | 5080  |       |
|                        |      |       |      | 006  | 5   | Brookfield              |    |      |     |       | 10025 |
|                        |      |       |      | 031  | 5   | Menomonee Falls village |    |      |     |       | 51000 |
|                        |      |       |      | 035  | 1   | Milwaukee, part         |    |      |     |       | 53000 |
|                        |      |       |      | 037  | 6   | Muskego                 |    |      |     |       | 55275 |
|                        |      |       |      | 039  | 5   | New Berlin              |    |      |     |       | 56375 |
|                        |      |       |      | 041  | 6   | Oconomowoc              |    |      |     |       | 59250 |
|                        |      |       |      | 055  | 4   | Waukesha                |    |      |     |       | 84250 |
|                        |      |       |      | 999  | 9   | Balance of county       |    |      |     |       | 99999 |
|                        | 069  | 000   | 2    | 999  | 9   | Waupaca                 |    | 135  | 5   | 0000  |       |
|                        | 070  | 000   | 2    | 999  | 9   | Waushara                |    | 137  | 6   | 0000  |       |
|                        | 071  | 013   | 1    |      |     | Winnebago               |    | 139  | 3   | 0460  |       |
|                        |      |       |      | 002  | 4   | Appleton, part          |    |      |     |       | 02375 |
|                        |      |       |      | 030  | 6   | Menasha, part           |    |      |     |       | 50825 |
|                        |      |       |      | 038  | 6   | Neenah                  |    |      |     |       | 55750 |
|                        |      |       |      | 043  | 4   | Oshkosh                 |    |      |     |       | 60500 |
|                        |      |       |      | 999  | 9   | Balance of county       |    |      |     |       | 99999 |
|                        | 072  | 000   | 2    |      |     | Wood                    |    | 141  | 4   | 0000  |       |
|                        |      |       |      | 029  | 6   | Marshfield, part        |    |      |     |       | 49675 |
|                        |      |       |      | 062  | 6   | Wisconsin Rapids        |    |      |     |       | 88200 |
|                        |      |       |      | 999  | 9   | Balance of county       |    |      |     |       | 99999 |

| Vital Statistics Codes |      |       |      |      | FIPS Codes |                   |     |      |      |       |       |
|------------------------|------|-------|------|------|------------|-------------------|-----|------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S        | Area Names        | St  | Cnty | P/S  | P/MSA | Place |
| 51                     |      |       |      |      |            | Wyoming           | 56  |      |      |       |       |
|                        | 001  | 000   | 2    |      |            | Albany            | 001 | 5    | 0000 |       |       |
|                        |      |       |      | 006  | 5          | Laramie           |     |      |      |       | 45050 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 002  | 000   | 2    | 999  | 9          | Big Horn          | 003 | 6    | 0000 |       |       |
|                        | 003  | 000   | 2    |      |            | Campbell          | 005 | 5    | 0000 |       |       |
|                        |      |       |      | 004  | 6          | Gillette          |     |      |      |       | 31855 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 004  | 000   | 2    | 999  | 9          | Carbon            | 007 | 6    | 0000 |       |       |
|                        | 005  | 000   | 2    | 999  | 9          | Converse          | 009 | 6    | 0000 |       |       |
|                        | 006  | 000   | 2    | 999  | 9          | Crook             | 011 | 6    | 0000 |       |       |
|                        | 007  | 000   | 2    | 999  | 9          | Fremont           | 013 | 5    | 0000 |       |       |
|                        | 008  | 000   | 2    | 999  | 9          | Goshen            | 015 | 6    | 0000 |       |       |
|                        | 009  | 000   | 2    | 999  | 9          | Hot Springs       | 017 | 6    | 0000 |       |       |
|                        | 010  | 000   | 2    | 999  | 9          | Johnson           | 019 | 6    | 0000 |       |       |
|                        | 011  | 054   | 1    |      |            | Laramie           | 021 | 4    | 1580 |       |       |
|                        |      |       |      | 002  | 4          | Cheyenne          |     |      |      |       | 13900 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 012  | 000   | 2    | 999  | 9          | Lincoln           | 023 | 6    | 0000 |       |       |
|                        | 013  | 046   | 1    |      |            | Natrona           | 025 | 4    | 1350 |       |       |
|                        |      |       |      | 001  | 5          | Casper            |     |      |      |       | 13150 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 014  | 000   | 2    | 999  | 9          | Niobrara          | 027 | 6    | 0000 |       |       |
|                        | 015  | 000   | 2    | 999  | 9          | Park              | 029 | 6    | 0000 |       |       |
|                        | 016  | 000   | 2    | 999  | 9          | Platte            | 031 | 6    | 0000 |       |       |
|                        | 017  | 000   | 2    |      |            | Sheridan          | 033 | 6    | 0000 |       |       |
|                        |      |       |      | 008  | 6          | Sheridan          |     |      |      |       | 69845 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 018  | 000   | 2    | 999  | 9          | Sublette          | 035 | 6    | 0000 |       |       |
|                        | 019  | 000   | 2    |      |            | Sweetwater        | 037 | 5    | 0000 |       |       |
|                        |      |       |      | 005  | 6          | Green River       |     |      |      |       | 33740 |
|                        |      |       |      | 007  | 6          | Rock Springs      |     |      |      |       | 67235 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 020  | 000   | 2    | 999  | 9          | Teton             | 039 | 6    | 0000 |       |       |
|                        | 021  | 000   | 2    |      |            | Uinta             | 041 | 6    | 0000 |       |       |
|                        |      |       |      | 003  | 6          | Evanston          |     |      |      |       | 25620 |
|                        |      |       |      | 999  | 9          | Balance of county |     |      |      |       | 99999 |
|                        | 022  | 000   | 2    | 999  | 9          | Washakie          | 043 | 6    | 0000 |       |       |
|                        | 023  | 000   | 2    | 999  | 9          | Weston            | 045 | 6    | 0000 |       |       |

| Vital Statistics Codes |      |       |      |      |     |                    | FIPS Codes |      |     |       |       |
|------------------------|------|-------|------|------|-----|--------------------|------------|------|-----|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City | P/S | Area Names         | St         | Cnty | P/S | P/MSA | Place |
| 52                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Puerto Rico        | 00         | 000  | Z   | 0000  |       |
| 53                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Virgin Islands     | 00         | 000  | Z   | 0000  |       |
| 54                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Guam               | 00         | 000  | Z   | 0000  |       |
| 55                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Canada             | 00         | 000  | Z   | 0000  |       |
| 56                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Cuba               | 00         | 000  | Z   | 0000  |       |
| 57                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Mexico             | 00         | 000  | Z   | 0000  |       |
| 59                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Remainder of World | 00         | 000  | Z   | 0000  |       |
| 61                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | American Samoa     | 00         | 000  | Z   | 0000  |       |
| 62                     | ZZZ  | ZZZ   | Z    | ZZZ  | Z   | Northern Marianas  | 00         | 000  | Z   | 0000  |       |

**Vital Statistics Geographic Code Outline for Puerto Rico, Virgin Islands, Guam, American Samoa and Northern Marianas**

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in Puerto Rico, Virgin Islands, Guam, American Samoa or Northern Marianas. When an event occurs to a nonresident of these areas, residence data are coded only to the "State" level; each U.S. state, several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes, the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. Codes are effective with the 1998 data year and are based on results of the 1990 Census.

To aid the user in interpreting the geographic codes, a brief explanation of the codes and of the column headings/abbreviations shown on the following pages are:

**Puerto Rico:**

State (St): Puerto Rico has its own unique code. In addition, several unique codes are used to identify nonresidents of Puerto Rico.

County (Cnty): Each municipio (county equivalent) is numbered alphabetically.

P/MSA: Primary metropolitan statistical areas and metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts.

M/NM: Metropolitan counties (code 1) are component counties of P/MSA's  
Nonmetropolitan counties (code 2) are not part of any P/MSA.

City or Place: No city/places in Puerto Rico are identified.

Name: Puerto Rico and each municipio are listed along with their respective codes. In addition, places used to identify nonresidents of Puerto Rico are also listed along with their codes.

FIPS: For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

**Virgin Islands:**

State (St): The Virgin Islands has its own unique code. In addition, several unique codes are used to identify nonresidents of the V.I.

County (Cnty): Several Islands (county equivalent) are numbered alphabetically.

P/MSA: None are identified in the Virgin Islands.

M/NM: No metropolitan areas are identified for the Virgin Islands.

City or Place: City/places are numbered alphabetically and identify each city with a population of 10,000 or more in 1990.

P/S: Population size code for city of residence based on the 1990 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

Name: The Virgin Islands as a whole and several islands are listed along with their respective codes. In addition, places used to identify nonresidents of the V.I. are also listed along with their codes.

**Vital Statistics Geographic Code Outline for Puerto Rico,  
Virgin Islands, Guam, American Samoa and Northern Marianas- Con.**

**Guam:**

State (St): Guam has its own unique code. In addition, several unique codes are used to identify nonresidents of Guam.

County (Cnty): None are identified in Guam.

P/MSA: None are identified in Guam.

M/NM: No metropolitan areas are identified for Guam.

City or Place: None are identified in Guam.

P/S: No population size groups are identified for Guam.

Name: Guam as a whole is listed along with its respective code. In addition, places used to identify nonresidents of Guam are also listed along with their codes.

**American Samoa:**

State (St): American Samoa has its own unique code. In addition, several unique codes are used to identify nonresidents of American Samoa.

County (Cnty): None are identified in American Samoa.

P/MSA: None are identified in American Samoa.

M/NM: No metropolitan areas are identified for American Samoa.

City or Place: None are identified in American Samoa.

P/S: No population size groups are identified for American Samoa.

Name: American Samoa as a whole is listed along with its respective code. In addition, places used to identify nonresidents of American Samoa are also listed along with their codes.

**Northern Marianas:**

State (St): Northern Marianas has its own unique code. In addition, several unique codes are used to identify nonresidents of Northern Marianas

County (Cnty): None are identified in Northern Marianas.

P/MSA: None are identified in Northern Marianas.

M/NM: No metropolitan areas are identified for Northern Marianas.

City or Place: None are identified in Northern Marianas.

P/S: No population size groups are identified for Northern Marianas.

Name: Northern Marianas as a whole is listed along with its respective code. In addition, places used to identify nonresidents of Northern Marianas are also listed along with their codes.

List of Primary Metropolitan Statistical Areas  
and their Component Counties  
For the United States and Puerto Rico

| Vital Statistics Codes |      |       |      |      | Area Names           | FIPS Codes |      |       |       |
|------------------------|------|-------|------|------|----------------------|------------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City |                      | St         | Cnty | P/MSA | Place |
| 01                     | 000  | 999   | 9    | 000  | Alabama              | 01         | 000  | 0000  | 00000 |
| 02                     | 000  | 999   | 9    | 000  | Alaska               | 02         | 000  | 0000  | 00000 |
| 03                     | 000  | 999   | 9    | 000  | Arizona              | 04         | 000  | 0000  | 00000 |
| 04                     | 000  | 999   | 9    | 000  | Arkansas             | 05         | 000  | 0000  | 00000 |
| 05                     | 000  | 999   | 9    | 000  | California           | 06         | 000  | 0000  | 00000 |
| 06                     | 000  | 999   | 9    | 000  | Colorado             | 08         | 000  | 0000  | 00000 |
| 07                     | 000  | 999   | 9    | 000  | Connecticut          | 09         | 000  | 0000  | 00000 |
| 08                     | 000  | 999   | 9    | 000  | Delaware             | 10         | 000  | 0000  | 00000 |
| 09                     | 000  | 999   | 9    | 000  | District of Columbia | 11         | 000  | 0000  | 00000 |
| 10                     | 000  | 999   | 9    | 000  | Florida              | 12         | 000  | 0000  | 00000 |
| 11                     | 000  | 999   | 9    | 000  | Georgia              | 13         | 000  | 0000  | 00000 |
| 12                     | 000  | 999   | 9    | 000  | Hawaii               | 15         | 000  | 0000  | 00000 |
| 13                     | 000  | 999   | 9    | 000  | Idaho                | 16         | 000  | 0000  | 00000 |
| 14                     | 000  | 999   | 9    | 000  | Illinois             | 17         | 000  | 0000  | 00000 |
| 15                     | 000  | 999   | 9    | 000  | Indiana              | 18         | 000  | 0000  | 00000 |
| 16                     | 000  | 999   | 9    | 000  | Iowa                 | 19         | 000  | 0000  | 00000 |
| 17                     | 000  | 999   | 9    | 000  | Kansas               | 20         | 000  | 0000  | 00000 |
| 18                     | 000  | 999   | 9    | 000  | Kentucky             | 21         | 000  | 0000  | 00000 |
| 19                     | 000  | 999   | 9    | 000  | Louisiana            | 22         | 000  | 0000  | 00000 |
| 20                     | 000  | 999   | 9    | 000  | Maine                | 23         | 000  | 0000  | 00000 |
| 21                     | 000  | 999   | 9    | 000  | Maryland             | 24         | 000  | 0000  | 00000 |
| 22                     | 000  | 999   | 9    | 000  | Massachusetts        | 25         | 000  | 0000  | 00000 |
| 23                     | 000  | 999   | 9    | 000  | Michigan             | 26         | 000  | 0000  | 00000 |
| 24                     | 000  | 999   | 9    | 000  | Minnesota            | 27         | 000  | 0000  | 00000 |
| 25                     | 000  | 999   | 9    | 000  | Mississippi          | 28         | 000  | 0000  | 00000 |
| 26                     | 000  | 999   | 9    | 000  | Missouri             | 29         | 000  | 0000  | 00000 |
| 27                     | 000  | 999   | 9    | 000  | Montana              | 30         | 000  | 0000  | 00000 |
| 28                     | 000  | 999   | 9    | 000  | Nebraska             | 31         | 000  | 0000  | 00000 |
| 29                     | 000  | 999   | 9    | 000  | Nevada               | 32         | 000  | 0000  | 00000 |
| 30                     | 000  | 999   | 9    | 000  | New Hampshire        | 33         | 000  | 0000  | 00000 |
| 31                     | 000  | 999   | 9    | 000  | New Jersey           | 34         | 000  | 0000  | 00000 |
| 32                     | 000  | 999   | 9    | 000  | New Mexico           | 35         | 000  | 0000  | 00000 |
| 33                     | 000  | 999   | 9    | 000  | New York             | 36         | 000  | 0000  | 00000 |
| 34                     | 000  | 999   | 9    | 000  | North Carolina       | 37         | 000  | 0000  | 00000 |
| 35                     | 000  | 999   | 9    | 000  | North Dakota         | 38         | 000  | 0000  | 00000 |
| 36                     | 000  | 999   | 9    | 000  | Ohio                 | 39         | 000  | 0000  | 00000 |

| Vital Statistics Codes |      |       |      |      | Area Names     | FIPS Codes |      |       |       |
|------------------------|------|-------|------|------|----------------|------------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City |                | St         | Cnty | P/MSA | Place |
| 37                     | 000  | 999   | 9    | 000  | Oklahoma       | 40         | 000  | 0000  | 00000 |
| 38                     | 000  | 999   | 9    | 000  | Oregon         | 41         | 000  | 0000  | 00000 |
| 39                     | 000  | 999   | 9    | 000  | Pennsylvania   | 42         | 000  | 0000  | 00000 |
| 40                     | 000  | 999   | 9    | 000  | Rhode Island   | 44         | 000  | 0000  | 00000 |
| 41                     | 000  | 999   | 9    | 000  | South Carolina | 45         | 000  | 0000  | 00000 |
| 42                     | 000  | 999   | 9    | 000  | South Dakota   | 46         | 000  | 0000  | 00000 |
| 43                     | 000  | 999   | 9    | 000  | Tennessee      | 47         | 000  | 0000  | 00000 |
| 44                     | 000  | 999   | 9    | 000  | Texas          | 48         | 000  | 0000  | 00000 |
| 45                     | 000  | 999   | 9    | 000  | Utah           | 49         | 000  | 0000  | 00000 |
| 46                     | 000  | 999   | 9    | 000  | Vermont        | 50         | 000  | 0000  | 00000 |
| 47                     | 000  | 999   | 9    | 000  | Virginia       | 51         | 000  | 0000  | 00000 |
| 48                     | 000  | 999   | 9    | 000  | Washington     | 53         | 000  | 0000  | 00000 |
| 49                     | 000  | 999   | 9    | 000  | West Virginia  | 54         | 000  | 0000  | 00000 |
| 50                     | 000  | 999   | 9    | 000  | Wisconsin      | 55         | 000  | 0000  | 00000 |
| 51                     | 000  | 999   | 9    | 000  | Wyoming        | 56         | 000  | 0000  | 00000 |



| Vital Statistics Codes |       |      |      | Area Names  | FIPS Codes |       |       |
|------------------------|-------|------|------|-------------|------------|-------|-------|
| St Cnty                | P/MSA | M/NM | City |             | St Cnty    | P/MSA | Place |
| 52                     |       |      |      | Puerto Rico | 72         |       |       |
|                        | 001   | 000  | 2    | 999         |            | 001   | 0000  |
|                        | 002   | 001  | 1    | 999         |            | 003   | 0060  |
|                        | 003   | 001  | 1    | 999         |            | 005   | 0060  |
|                        | 004   | 006  | 1    | 999         |            | 007   | 7440  |
|                        | 005   | 000  | 2    | 999         |            | 009   | 0000  |
|                        | 006   | 004  | 1    | 999         |            | 011   | 4840  |
|                        | 007   | 002  | 1    | 999         |            | 013   | 0470  |
|                        | 008   | 000  | 2    | 999         |            | 015   | 0000  |
|                        | 009   | 006  | 1    | 999         |            | 017   | 7440  |
|                        | 010   | 000  | 2    | 999         |            | 019   | 0000  |
|                        | 011   | 006  | 1    | 999         |            | 021   | 7440  |
|                        | 012   | 004  | 1    | 999         |            | 023   | 4840  |
|                        | 013   | 003  | 1    | 999         |            | 025   | 1310  |
|                        | 014   | 002  | 1    | 999         |            | 027   | 0470  |
|                        | 015   | 006  | 1    | 999         |            | 029   | 7440  |
|                        | 016   | 006  | 1    | 999         |            | 031   | 7440  |
|                        | 017   | 006  | 1    | 999         |            | 033   | 7440  |
|                        | 018   | 003  | 1    | 999         |            | 035   | 1310  |
|                        | 019   | 006  | 1    | 999         |            | 037   | 7440  |
|                        | 020   | 000  | 2    | 999         |            | 039   | 0000  |
|                        | 021   | 003  | 1    | 999         |            | 041   | 1310  |
|                        | 022   | 000  | 2    | 999         |            | 043   | 0000  |
|                        | 023   | 006  | 1    | 999         |            | 045   | 7440  |
|                        | 024   | 006  | 1    | 999         |            | 047   | 7440  |
|                        | 025   | 000  | 2    | 999         |            | 049   | 0000  |
|                        | 026   | 006  | 1    | 999         |            | 051   | 7440  |
|                        | 027   | 006  | 1    | 999         |            | 053   | 7440  |
|                        | 028   | 006  | 1    | 999         |            | 054   | 7440  |
|                        | 029   | 000  | 2    | 999         |            | 055   | 0000  |
|                        | 030   | 000  | 2    | 999         |            | 057   | 0000  |
|                        | 031   | 005  | 1    | 999         |            | 059   | 6360  |
|                        | 032   | 006  | 1    | 999         |            | 061   | 7440  |
|                        | 033   | 003  | 1    | 999         |            | 063   | 1310  |
|                        | 034   | 002  | 1    | 999         |            | 065   | 0470  |
|                        | 035   | 004  | 1    | 999         |            | 067   | 4840  |
|                        | 036   | 006  | 1    | 999         |            | 069   | 7440  |
|                        | 037   | 000  | 2    | 999         |            | 071   | 0000  |
|                        | 038   | 000  | 2    | 999         |            | 073   | 0000  |
|                        | 039   | 005  | 1    | 999         |            | 075   | 6360  |
|                        | 040   | 006  | 1    | 999         |            | 077   | 7440  |
|                        | 041   | 000  | 2    | 999         |            | 079   | 0000  |
|                        | 042   | 000  | 2    | 999         |            | 081   | 0000  |
|                        | 043   | 000  | 2    | 999         |            | 083   | 0000  |
|                        | 044   | 006  | 1    | 999         |            | 085   | 7440  |
|                        | 045   | 006  | 1    | 999         |            | 087   | 7440  |
|                        | 046   | 006  | 1    | 999         |            | 089   | 7440  |
|                        | 047   | 006  | 1    | 999         |            | 091   | 7440  |
|                        | 048   | 000  | 2    | 999         |            | 093   | 0000  |
|                        | 049   | 000  | 2    | 999         |            | 095   | 0000  |
|                        | 050   | 004  | 1    | 999         |            | 097   | 4840  |
|                        | 051   | 001  | 1    | 999         |            | 099   | 0060  |
|                        | 052   | 006  | 1    | 999         |            | 101   | 7440  |
|                        | 053   | 006  | 1    | 999         |            | 103   | 7440  |
|                        | 054   | 006  | 1    | 999         |            | 105   | 7440  |
|                        | 055   | 000  | 2    | 999         |            | 107   | 0000  |
|                        | 056   | 000  | 2    | 999         |            | 109   | 0000  |
|                        | 057   | 005  | 1    | 999         |            | 111   | 6360  |
|                        | 058   | 005  | 1    | 999         |            | 113   | 6360  |
|                        | 059   | 000  | 2    | 999         |            | 115   | 0000  |
|                        | 060   | 000  | 2    | 999         |            | 117   | 0000  |
|                        | 061   | 006  | 1    | 999         |            | 119   | 7440  |
|                        | 062   | 004  | 1    | 999         |            | 121   | 4840  |
|                        | 063   | 000  | 2    | 999         |            | 123   | 0000  |
|                        | 064   | 004  | 1    | 999         |            | 125   | 4840  |
|                        | 065   | 006  | 1    | 999         |            | 127   | 7440  |
|                        | 066   | 003  | 1    | 999         |            | 129   | 1310  |
|                        | 067   | 000  | 2    | 999         |            | 131   | 0000  |
|                        | 068   | 000  | 2    | 999         |            | 133   | 0000  |
|                        | 069   | 006  | 1    | 999         |            | 135   | 7440  |
|                        | 070   | 006  | 1    | 999         |            | 137   | 7440  |
|                        | 071   | 006  | 1    | 999         |            | 139   | 7440  |
|                        | 072   | 000  | 2    | 999         |            | 141   | 0000  |
|                        | 073   | 006  | 1    | 999         |            | 143   | 7440  |
|                        | 074   | 006  | 1    | 999         |            | 145   | 7440  |

| Vital Statistics Codes |      |       |      |      | Area Names         | FIPS Codes |      |       |       |
|------------------------|------|-------|------|------|--------------------|------------|------|-------|-------|
| St                     | Cnty | P/MSA | M/NM | City |                    | St         | Cnty | P/MSA | Place |
| 52                     |      |       |      |      | Puerto Rico        | 72         |      |       |       |
|                        | 075  | 000   | 2    | 999  | Vieques            |            | 147  | 0000  |       |
|                        | 076  | 005   | 1    | 999  | Villalba           |            | 149  | 6360  |       |
|                        | 077  | 006   | 1    | 999  | Yabucoa            |            | 151  | 7440  |       |
|                        | 078  | 005   | 1    | 999  | Yauco              |            | 153  | 6360  |       |
| 53                     |      |       |      |      | Virgin Islands     | 78         |      |       |       |
|                        | 001  | 000   | 2    | 999  | St. Croix          |            | 010  | 0000  |       |
|                        | 002  | 000   | 2    | 999  | St. John           |            | 020  | 0000  |       |
|                        | 003  | 000   | 2    |      | St. Thomas         |            | 030  | 0000  |       |
|                        |      |       |      | 001  | Charlotte Amalie   |            |      |       | 99999 |
|                        |      |       |      | 999  | Balance of area    |            |      |       | 99999 |
| 54                     |      |       |      |      | Guam               | 66         |      |       |       |
|                        | 000  | 000   | 2    |      | Guam               |            | 010  | 0000  |       |
|                        |      |       |      | 000  | Guam               |            |      |       | 99999 |
| 55                     | ZZZ  | ZZZ   | Z    | ZZZ  | Canada             | 00         | 000  | 0000  | 00000 |
| 56                     | ZZZ  | ZZZ   | Z    | ZZZ  | Cuba               | 00         | 000  | 0000  | 00000 |
| 57                     | ZZZ  | ZZZ   | Z    | ZZZ  | Mexico             | 00         | 000  | 0000  | 00000 |
| 59                     | ZZZ  | ZZZ   | Z    | ZZZ  | Remainder of World | 00         | 000  | 0000  | 00000 |
| 61                     |      |       |      |      | American Samoa     | 60         |      |       |       |
|                        | 000  | 000   | 2    |      | American Samoa     |            | 000  | 0000  |       |
|                        |      |       |      | 000  | American Samoa     |            |      |       | 99999 |
| 62                     |      |       |      |      | Northern Marianas  | 69         |      |       |       |
|                        | 000  | 000   | 2    |      | Northern Marianas  |            | 000  | 0000  |       |
|                        |      |       |      | 000  | Northern Marianas  |            |      |       | 99999 |

List of Primary Metropolitan Statistical Areas  
and their Component Counties  
For the United States and Puerto Rico

United States  
Puerto Rico

| Vital Statistics Codes |       |        | P/MSA Name and County Components    | FIPS Codes |       |      |
|------------------------|-------|--------|-------------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                     | P/MSA      | State | Cnty |
| 001                    | 44    |        | Abilene, TX, MSA                    | 0040       |       |      |
|                        |       | 221    | Texas<br>Taylor                     |            | 48    | 441  |
| 002                    | 36    |        | Akron, OH, PMSA                     | 0080       |       |      |
|                        |       | 067    | Ohio<br>Portage                     |            | 39    | 133  |
|                        |       | 077    | Summit                              |            |       | 153  |
| 003                    | 11    |        | Albany, GA, MSA                     | 0120       |       |      |
|                        |       | 047    | Georgia<br>Dougherty                |            | 13    | 095  |
|                        |       | 088    | Lee                                 |            |       | 177  |
| 004                    | 33    |        | Albany-Schenectady-Troy, NY, MSA    | 0160       |       |      |
|                        |       |        | New York                            |            | 36    |      |
|                        |       | 001    | Albany                              |            |       | 001  |
|                        |       | 027    | Montgomery                          |            |       | 057  |
|                        |       | 039    | Rensselaer                          |            |       | 083  |
|                        |       | 042    | Saratoga                            |            |       | 091  |
|                        |       | 043    | Schenectady                         |            |       | 093  |
|                        |       | 044    | Schoharie                           |            |       | 095  |
| 005                    | 32    |        | Albuquerque, NM, MSA                | 0200       |       |      |
|                        |       |        | New Mexico                          |            | 35    |      |
|                        |       | 001    | Bernalillo                          |            |       | 001  |
|                        |       | 024    | Sandoval                            |            |       | 043  |
|                        |       | 033    | Valencia                            |            |       | 061  |
| 006                    | 19    |        | Alexandria, LA, MSA                 | 0220       |       |      |
|                        |       |        | Louisiana                           |            | 22    |      |
|                        |       | 040    | Rapides                             |            |       | 079  |
| 007                    | 39    |        | Allentown-Bethlehem-Easton, PA, MSA | 0240       |       |      |
|                        |       |        | Pennsylvania                        |            | 42    |      |
|                        |       | 013    | Carbon                              |            |       | 025  |
|                        |       | 039    | Lehigh                              |            |       | 077  |
|                        |       | 048    | Northampton                         |            |       | 095  |
| 008                    | 39    |        | Altoona, PA, MSA                    | 0280       |       |      |
|                        |       |        | Pennsylvania                        |            | 42    |      |
|                        |       | 007    | Blair                               |            |       | 013  |
| 009                    | 44    |        | Amarillo, TX, MSA                   | 0320       |       |      |
|                        |       |        | Texas                               |            | 48    |      |
|                        |       | 188    | Potter                              |            |       | 375  |
|                        |       | 191    | Randall                             |            |       | 381  |
| 010                    | 02    |        | Anchorage, AK, MSA                  | 0380       |       |      |
|                        |       |        | Alaska                              |            | 02    |      |
|                        |       | 003    | Anchorage                           |            |       | 020  |
| 011                    | 23    |        | Ann Arbor, MI, PMSA                 | 0440       |       |      |
|                        |       |        | Michigan                            |            | 26    |      |
|                        |       | 046    | Lenawee                             |            |       | 091  |
|                        |       | 047    | Livingston                          |            |       | 093  |
|                        |       | 081    | Washtenaw                           |            |       | 161  |
| 012                    | 01    |        | Anniston, AL, MSA                   | 0450       |       |      |
|                        |       |        | Alabama                             |            | 01    |      |
|                        |       | 008    | Calhoun                             |            |       | 015  |
| 013                    | 50    |        | Appleton-Oshkosh-Neenah, WI, MSA    | 0460       |       |      |
|                        |       |        | Wisconsin                           |            | 55    |      |
|                        |       | 008    | Calumet                             |            |       | 015  |
|                        |       | 045    | Outagamie                           |            |       | 087  |
|                        |       | 071    | Winnebago                           |            |       | 139  |
| 014                    | 34    |        | Asheville, NC, MSA                  | 0480       |       |      |
|                        |       |        | North Carolina                      |            | 37    |      |
|                        |       | 011    | Buncombe                            |            |       | 021  |
|                        |       | 058    | Madison                             |            |       | 115  |

United States  
Puerto Rico

| Vital Statistics Codes |       |        |                                  |       | FIPS Codes |      |
|------------------------|-------|--------|----------------------------------|-------|------------|------|
| P/MSA                  | State | County | P/MSA Name and County Components | P/MSA | State      | Cnty |
| 015                    | 11    |        | Athens, GA, MSA                  | 0500  | 13         |      |
|                        |       | 029    | Georgia                          |       |            | 059  |
|                        |       | 097    | Clarke                           |       |            | 195  |
|                        |       | 108    | Madison                          |       |            | 219  |
|                        |       |        | Oconee                           |       |            |      |
| 016                    | 11    |        | Atlanta, GA, MSA                 | 0520  | 13         |      |
|                        |       | 007    | Georgia                          |       |            | 013  |
|                        |       | 008    | Barrow                           |       |            | 015  |
|                        |       | 022    | Bartow                           |       |            | 045  |
|                        |       | 028    | Carroll                          |       |            | 057  |
|                        |       | 031    | Cherokee                         |       |            | 063  |
|                        |       | 033    | Clayton                          |       |            | 067  |
|                        |       | 038    | Cobb                             |       |            | 077  |
|                        |       | 044    | Coweta                           |       |            | 089  |
|                        |       | 048    | De Kalb                          |       |            | 097  |
|                        |       | 056    | Douglas                          |       |            | 113  |
|                        |       | 058    | Fayette                          |       |            | 117  |
|                        |       | 060    | Forsyth                          |       |            | 121  |
|                        |       | 067    | Fulton                           |       |            | 135  |
|                        |       | 075    | Gwinnett                         |       |            | 151  |
|                        |       | 107    | Henry                            |       |            | 217  |
|                        |       | 110    | Newton                           |       |            | 223  |
|                        |       | 112    | Paulding                         |       |            | 227  |
|                        |       | 122    | Pickens                          |       |            | 247  |
|                        |       | 126    | Rockdale                         |       |            | 255  |
|                        |       | 147    | Spalding                         |       |            | 297  |
|                        |       |        | Walton                           |       |            |      |
| 017                    | 31    |        | Atlantic-Cape May, NJ, PMSA      | 0560  | 34         |      |
|                        |       | 001    | New Jersey                       |       |            | 001  |
|                        |       | 005    | Atlantic                         |       |            | 009  |
|                        |       |        | Cape May                         |       |            |      |
| 018                    | 11    |        | Augusta-Aiken, GA-SC, MSA        | 0600  | 13         |      |
|                        |       | 036    | Georgia                          |       |            | 073  |
|                        |       | 094    | Columbia                         |       |            | 189  |
|                        |       | 121    | McDuffie                         |       |            | 245  |
|                        | 41    |        | South Carolina                   |       | 45         |      |
|                        |       | 002    | Aiken                            |       |            | 003  |
|                        |       | 019    | Edgefield                        |       |            | 037  |
| 019                    | 44    |        | Austin-San Marcos, TX, MSA       | 0640  | 48         |      |
|                        |       | 011    | Texas                            |       |            | 021  |
|                        |       | 028    | Bastrop                          |       |            | 055  |
|                        |       | 105    | Caldwell                         |       |            | 209  |
|                        |       | 227    | Hays                             |       |            | 453  |
|                        |       | 246    | Travis                           |       |            | 491  |
|                        |       |        | Williamson                       |       |            |      |
| 020                    | 05    |        | Bakersfield, CA, MSA             | 0680  | 06         |      |
|                        |       | 015    | California                       |       |            | 029  |
|                        |       |        | Kern                             |       |            |      |
| 021                    | 21    |        | Baltimore, MD, PMSA              | 0720  | 24         |      |
|                        |       | 002    | Maryland                         |       |            | 003  |
|                        |       | 003    | Anne Arundel                     |       |            | 005  |
|                        |       | 004    | Baltimore                        |       |            | 510  |
|                        |       | 007    | Baltimore city                   |       |            | 013  |
|                        |       | 013    | Carroll                          |       |            | 025  |
|                        |       | 014    | Harford                          |       |            | 027  |
|                        |       | 018    | Howard                           |       |            | 035  |
|                        |       |        | Queen Anne's                     |       |            |      |
| 022                    | 20    |        | Bangor, ME, NECMA                | 0733  | 23         |      |
|                        |       | 010    | Maine                            |       |            | 019  |
|                        |       |        | Penobscot                        |       |            |      |
| 023                    | 22    |        | Barnstable-Yarmouth, MA, NECMA   | 0743  | 25         |      |
|                        |       | 001    | Massachusetts                    |       |            | 001  |
|                        |       |        | Barnstable                       |       |            |      |

United States  
Puerto Rico

| Vital Statistics Codes |       |        | P/MSA Name and County Components    | FIPS Codes |       |      |
|------------------------|-------|--------|-------------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                     | P/MSA      | State | Cnty |
| 024                    | 19    |        | Baton Rouge, LA, MSA                | 0760       |       |      |
|                        |       |        | Louisiana                           |            | 22    |      |
|                        |       | 003    | Ascension                           |            |       | 005  |
|                        |       | 017    | East Baton Rouge                    |            |       | 033  |
|                        |       | 032    | Livingston                          |            |       | 063  |
|                        |       | 061    | West Baton Rouge                    |            |       | 121  |
| 025                    | 44    |        | Beaumont-Port Arthur, TX, MSA       | 0840       |       |      |
|                        |       |        | Texas                               |            | 48    |      |
|                        |       | 100    | Hardin                              |            |       | 199  |
|                        |       | 123    | Jefferson                           |            |       | 245  |
|                        |       | 181    | Orange                              |            |       | 361  |
| 026                    | 48    |        | Bellingham, WA, MSA                 | 0860       |       |      |
|                        |       |        | Washington                          |            | 53    |      |
|                        |       | 037    | Whatcom                             |            |       | 073  |
| 027                    | 23    |        | Benton Harbor, MI, MSA              | 0870       |       |      |
|                        |       |        | Michigan                            |            | 26    |      |
|                        |       | 011    | Berrien                             |            |       | 021  |
| 028                    | 31    |        | Bergen-Passaic, NJ, PMSA            | 0875       |       |      |
|                        |       |        | New Jersey                          |            | 34    |      |
|                        |       | 002    | Bergen                              |            |       | 003  |
|                        |       | 016    | Passaic                             |            |       | 031  |
| 029                    | 27    |        | Billings, MT, MSA                   | 0880       |       |      |
|                        |       |        | Montana                             |            | 30    |      |
|                        |       | 056    | Yellowstone                         |            |       | 111  |
| 030                    | 25    |        | Biloxi-Gulfport-Pascagoula, MS, MSA | 0920       |       |      |
|                        |       |        | Mississippi                         |            | 28    |      |
|                        |       | 023    | Hancock                             |            |       | 045  |
|                        |       | 024    | Harrison                            |            |       | 047  |
|                        |       | 030    | Jackson                             |            |       | 059  |
| 031                    | 33    |        | Binghamton, NY, MSA                 | 0960       |       |      |
|                        |       |        | New York                            |            | 36    |      |
|                        |       | 003    | Broome                              |            |       | 007  |
|                        |       | 050    | Tioga                               |            |       | 107  |
| 032                    | 01    |        | Birmingham, AL, MSA                 | 1000       |       |      |
|                        |       |        | Alabama                             |            | 01    |      |
|                        |       | 005    | Blount                              |            |       | 009  |
|                        |       | 037    | Jefferson                           |            |       | 073  |
|                        |       | 058    | St. Clair                           |            |       | 115  |
|                        |       | 059    | Shelby                              |            |       | 117  |
| 033                    | 35    |        | Bismarck, ND, MSA                   | 1010       |       |      |
|                        |       |        | North Dakota                        |            | 38    |      |
|                        |       | 008    | Burleigh                            |            |       | 015  |
|                        |       | 030    | Morton                              |            |       | 059  |
| 034                    | 15    |        | Bloomington, IN, MSA                | 1020       |       |      |
|                        |       |        | Indiana                             |            | 18    |      |
|                        |       | 053    | Monroe                              |            |       | 105  |
| 035                    | 14    |        | Bloomington-Normal, IL, MSA         | 1040       |       |      |
|                        |       |        | Illinois                            |            | 17    |      |
|                        |       | 057    | McLean                              |            |       | 113  |
| 036                    | 13    |        | Boise City, ID, MSA                 | 1080       |       |      |
|                        |       |        | Idaho                               |            | 16    |      |
|                        |       | 001    | Ada                                 |            |       | 001  |
|                        |       | 014    | Canyon                              |            |       | 027  |

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| Vital Statistics Codes |       |        | P/MSA Name and County Components                                  | FIPS Codes |       |      |
|------------------------|-------|--------|---|------------|-------|------|
| P/MSA                  | State | County |   | P/MSA      | State | Cnty |
| 037                    | 22    |        | Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH<br>Massachusetts | 1123       | 25    |      |
|                        |       | 003    | Bristol   |            |       | 005  |
|                        |       | 005    | Essex   |            |       | 009  |
|                        |       | 009    | Middlesex   |            |       | 017  |
|                        |       | 011    | Norfolk   |            |       | 021  |
|                        |       | 012    | Plymouth  |            |       | 023  |
|                        |       | 013    | Suffolk   |            |       | 025  |
|                        |       | 014    | Worcester   |            |       | 027  |
|                        | 30    |        | New Hampshire   |            | 33    |      |
|                        |       | 006    | Hillsborough  |            |       | 011  |
|                        |       | 008    | Rockingham  |            |       | 015  |
|                        |       | 009    | Strafford   |            |       | 017  |
| 038                    | 06    |        | Boulder-Longmont, CO, PMSA<br>Colorado                            | 1125       | 08    |      |
|                        |       | 007    | Boulder   |            |       | 013  |
| 039                    | 44    |        | Brazoria, TX, PMSA<br>Texas                                       | 1145       | 48    |      |
|                        |       | 020    | Brazoria  |            |       | 039  |
| 040                    | 48    |        | Bremerton, WA, PMSA<br>Washington                                 | 1150       | 53    |      |
|                        |       | 018    | Kitsap  |            |       | 035  |
| 041                    | 44    |        | Brownsville-Harlingen-San Benito, TX, MSA<br>Texas                | 1240       | 48    |      |
|                        |       | 031    | Cameron   |            |       | 061  |
| 042                    | 44    |        | Bryan-College Station, TX, MSA<br>Texas                           | 1260       | 48    |      |
|                        |       | 021    | Brazos  |            |       | 041  |
| 043                    | 33    |        | Buffalo-Niagara Falls, NY, MSA<br>New York                        | 1280       | 36    |      |
|                        |       | 014    | Erie  |            |       | 029  |
|                        |       | 030    | Niagara   |            |       | 063  |
| 044                    | 46    |        | Burlington, VT, NECMA<br>Vermont                                  | 1303       | 50    |      |
|                        |       | 004    | Chittenden  |            |       | 007  |
|                        |       | 006    | Franklin  |            |       | 011  |
|                        |       | 007    | Grand Isle  |            |       | 013  |
| 045                    | 36    |        | Canton-Massillon, OH, MSA<br>Ohio                                 | 1320       | 39    |      |
|                        |       | 010    | Carroll   |            |       | 019  |
|                        |       | 076    | Stark   |            |       | 151  |
| 046                    | 51    |        | Casper, WY, MSA<br>Wyoming  | 1350       | 56    |      |
|                        |       | 013    | Natrona   |            |       | 025  |
| 047                    | 16    |        | Cedar Rapids, IA, MSA<br>Iowa                                     | 1360       | 19    |      |
|                        |       | 057    | Linn  |            |       | 113  |
| 048                    | 14    |        | Champaign-Urbana, IL, MSA<br>Illinois                             | 1400       | 17    |      |
|                        |       | 010    | Champaign   |            |       | 019  |
| 049                    | 41    |        | Charleston-North Charleston, SC, MSA<br>South Carolina            | 1440       | 45    |      |
|                        |       | 008    | Berkeley  |            |       | 015  |
|                        |       | 010    | Charleston  |            |       | 019  |
|                        |       | 018    | Dorchester  |            |       | 035  |
| 050                    | 49    |        | Charleston, WV, MSA<br>West Virginia                              | 1480       | 54    |      |
|                        |       | 020    | Kanawha   |            |       | 039  |
|                        |       | 040    | Putnam  |            |       | 079  |

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|------------------------|-------|--------|--|------|-------|-------|------|
| P/MSA                  | State | County | P/MSA Name and County Components         |      | P/MSA | State | Cnty |
| 051                    | 34    |        | Charlotte-Gastonia-Rock Hill, NC-SC, MSA | 1520 |       |       |      |
|                        |       |        | North Carolina                           |      | 37    |       |      |
|                        |       | 013    | Cabarrus                                 |      |       |       | 025  |
|                        |       | 036    | Gaston                                   |      |       |       | 071  |
|                        |       | 055    | Lincoln                                  |      |       |       | 109  |
|                        |       | 060    | Mecklenburg                              |      |       |       | 119  |
|                        |       | 080    | Rowan                                    |      |       |       | 159  |
|                        |       | 090    | Union                                    |      |       |       | 179  |
|                        | 41    |        | South Carolina                           |      | 45    |       |      |
|                        |       | 046    | York                                     |      |       |       | 091  |
| 052                    | 47    |        | Charlottesville, VA, MSA                 | 1540 |       |       |      |
|                        |       |        | Virginia                                 |      | 51    |       |      |
|                        |       | 002    | Albemarle                                |      |       |       | 003  |
|                        |       | 025    | Charlottesville city                     |      |       |       | 540  |
|                        |       | 045    | Fluvanna                                 |      |       |       | 065  |
|                        |       | 055    | Greene                                   |      |       |       | 079  |
| 053                    | 11    |        | Chattanooga, TN-GA, MSA                  | 1560 |       |       |      |
|                        |       |        | Georgia                                  |      | 13    |       |      |
|                        |       | 023    | Catoosa                                  |      |       |       | 047  |
|                        |       | 041    | Dade                                     |      |       |       | 083  |
|                        |       | 146    | Walker                                   |      |       |       | 295  |
|                        | 43    |        | Tennessee                                |      | 47    |       |      |
|                        |       | 033    | Hamilton                                 |      |       |       | 065  |
|                        |       | 058    | Marion                                   |      |       |       | 115  |
| 054                    | 51    |        | Cheyenne, WY, MSA                        | 1580 |       |       |      |
|                        |       |        | Wyoming                                  |      | 56    |       |      |
|                        |       | 011    | Laramie                                  |      |       |       | 021  |
| 055                    | 14    |        | Chicago, IL, PMSA                        | 1600 |       |       |      |
|                        |       |        | Illinois                                 |      | 17    |       |      |
|                        |       | 016    | Cook                                     |      |       |       | 031  |
|                        |       | 019    | De Kalb                                  |      |       |       | 037  |
|                        |       | 022    | Du Page                                  |      |       |       | 043  |
|                        |       | 032    | Grundy                                   |      |       |       | 063  |
|                        |       | 045    | Kane                                     |      |       |       | 089  |
|                        |       | 047    | Kendall                                  |      |       |       | 093  |
|                        |       | 049    | Lake                                     |      |       |       | 097  |
|                        |       | 056    | McHenry                                  |      |       |       | 111  |
|                        |       | 099    | Will                                     |      |       |       | 197  |
| 056                    | 05    |        | Chico-Paradise, CA, MSA                  | 1620 |       |       |      |
|                        |       |        | California                               |      | 06    |       |      |
|                        |       | 004    | Butte                                    |      |       |       | 007  |
| 057                    | 15    |        | Cincinnati, OH-KY-IN, PMSA               | 1640 |       |       |      |
|                        |       |        | Indiana                                  |      | 18    |       |      |
|                        |       | 015    | Dearborn                                 |      |       |       | 029  |
|                        |       | 058    | Ohio                                     |      |       |       | 115  |
|                        | 18    |        | Kentucky                                 |      | 21    |       |      |
|                        |       | 008    | Boone                                    |      |       |       | 015  |
|                        |       | 019    | Campbell                                 |      |       |       | 037  |
|                        |       | 039    | Gallatin                                 |      |       |       | 077  |
|                        |       | 041    | Grant                                    |      |       |       | 081  |
|                        |       | 059    | Kenton                                   |      |       |       | 117  |
|                        |       | 096    | Pendleton                                |      |       |       | 191  |
|                        | 36    |        | Ohio                                     |      | 39    |       |      |
|                        |       | 008    | Brown                                    |      |       |       | 015  |
|                        |       | 013    | Clermont                                 |      |       |       | 025  |
|                        |       | 031    | Hamilton                                 |      |       |       | 061  |
|                        |       | 083    | Warren                                   |      |       |       | 165  |
| 058                    | 18    |        | Clarksville-Hopkinsville, TN-KY, MSA     | 1660 |       |       |      |
|                        |       |        | Kentucky                                 |      | 21    |       |      |
|                        |       | 024    | Christian                                |      |       |       | 047  |
|                        | 43    |        | Tennessee                                |      | 47    |       |      |
|                        |       | 063    | Montgomery                               |      |       |       | 125  |



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|------------------------|-------|--------|-------|--|-------|-------|------|
| P/MSA                  | State | County | P/MSA | Name and County Components               | P/MSA | State | Cnty |
| 059                    | 36    |        |       | Cleveland-Lorain-Elyria, OH, PMSA        | 1680  |       |      |
|                        |       |        |       | Ohio                                     |       | 39    |      |
|                        |       | 004    |       | Ashtabula                                |       |       | 007  |
|                        |       | 018    |       | Cuyahoga                                 |       |       | 035  |
|                        |       | 028    |       | Geauga                                   |       |       | 055  |
|                        |       | 043    |       | Lake                                     |       |       | 085  |
|                        |       | 047    |       | Lorain                                   |       |       | 093  |
|                        |       | 052    |       | Medina                                   |       |       | 103  |
| 060                    | 06    |        |       | Colorado Springs, CO, MSA                | 1720  |       |      |
|                        |       |        |       | Colorado                                 |       | 08    |      |
|                        |       | 021    |       | El Paso                                  |       |       | 041  |
| 061                    | 26    |        |       | Columbia, MO, MSA                        | 1740  |       |      |
|                        |       |        |       | Missouri                                 |       | 29    |      |
|                        |       | 010    |       | Boone                                    |       |       | 019  |
| 062                    | 41    |        |       | Columbia, SC, MSA                        | 1760  |       |      |
|                        |       |        |       | South Carolina                           |       | 45    |      |
|                        |       | 032    |       | Lexington                                |       |       | 063  |
|                        |       | 040    |       | Richland                                 |       |       | 079  |
| 063                    | 01    |        |       | Columbus, GA-AL, MSA                     | 1800  |       |      |
|                        |       |        |       | Alabama                                  |       | 01    |      |
|                        |       | 057    |       | Russell                                  |       |       | 113  |
|                        |       |        |       | Georgia                                  |       | 13    |      |
|                        |       | 026    |       | Chattahoochee                            |       |       | 053  |
|                        |       | 072    |       | Harris                                   |       |       | 145  |
|                        |       | 106    |       | Muscogee                                 |       |       | 215  |
| 064                    | 36    |        |       | Columbus, OH, MSA                        | 1840  |       |      |
|                        |       |        |       | Ohio                                     |       | 39    |      |
|                        |       | 021    |       | Delaware                                 |       |       | 041  |
|                        |       | 023    |       | Fairfield                                |       |       | 045  |
|                        |       | 025    |       | Franklin                                 |       |       | 049  |
|                        |       | 045    |       | Licking                                  |       |       | 089  |
|                        |       | 049    |       | Madison                                  |       |       | 097  |
|                        |       | 065    |       | Pickaway                                 |       |       | 129  |
| 065                    | 44    |        |       | Corpus Christi, TX, MSA                  | 1880  |       |      |
|                        |       |        |       | Texas                                    |       | 48    |      |
|                        |       | 178    |       | Nueces                                   |       |       | 355  |
|                        |       | 205    |       | San Patricio                             |       |       | 409  |
| 066                    | 21    |        |       | Cumberland, MD-WV, MSA                   | 1900  |       |      |
|                        |       |        |       | Maryland                                 |       | 24    |      |
|                        |       | 001    |       | Allegany                                 |       |       | 001  |
|                        |       | 49     |       | West Virginia                            |       | 54    |      |
|                        |       | 029    |       | Mineral                                  |       |       | 057  |
| 067                    | 44    |        |       | Dallas, TX, PMSA                         | 1920  |       |      |
|                        |       |        |       | Texas                                    |       | 48    |      |
|                        |       | 043    |       | Collin                                   |       |       | 085  |
|                        |       | 057    |       | Dallas                                   |       |       | 113  |
|                        |       | 061    |       | Denton                                   |       |       | 121  |
|                        |       | 070    |       | Ellis                                    |       |       | 139  |
|                        |       | 107    |       | Henderson                                |       |       | 213  |
|                        |       | 116    |       | Hunt                                     |       |       | 231  |
|                        |       | 129    |       | Kaufman                                  |       |       | 257  |
|                        |       | 199    |       | Rockwall                                 |       |       | 397  |
| 068                    | 47    |        |       | Danville, VA, MSA                        | 1950  |       |      |
|                        |       |        |       | Virginia                                 |       | 51    |      |
|                        |       | 035    |       | Danville city                            |       |       | 590  |
|                        |       | 097    |       | Pittsylvania                             |       |       | 143  |
| 069                    | 14    |        |       | Davenport-Moline-Rock Island, IA-IL, MSA | 1960  |       |      |
|                        |       |        |       | Illinois                                 |       | 17    |      |
|                        |       | 037    |       | Henry                                    |       |       | 073  |
|                        |       | 081    |       | Rock Island                              |       |       | 161  |
|                        |       |        |       | Iowa                                     |       | 19    |      |
|                        |       | 082    |       | Scott                                    |       |       | 163  |

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|------------------------|-------|--------|----------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                  |            | State | Cnty |
| 070                    | 36    |        | Dayton-Springfield, OH, MSA      | 2000       | 39    |      |
|                        |       | 012    | Ohio                             |            |       |      |
|                        |       | 029    | Clark                            |            |       | 023  |
|                        |       | 055    | Greene                           |            |       | 057  |
|                        |       | 057    | Miami                            |            |       | 109  |
|                        |       |        | Montgomery                       |            |       | 113  |
| 071                    | 10    |        | Daytona Beach, FL, MSA           | 2020       | 12    |      |
|                        |       | 018    | Florida                          |            |       |      |
|                        |       | 064    | Flagler                          |            |       | 035  |
|                        |       |        | Volusia                          |            |       | 127  |
| 072                    | 01    |        | Decatur, AL, MSA                 | 2030       | 01    |      |
|                        |       | 040    | Alabama                          |            |       |      |
|                        |       | 052    | Lawrence                         |            |       | 079  |
|                        |       |        | Morgan                           |            |       | 103  |
| 073                    | 14    |        | Decatur, IL, MSA                 | 2040       | 17    |      |
|                        |       | 058    | Illinois                         |            |       |      |
|                        |       |        | Macon                            |            |       | 115  |
| 074                    | 06    |        | Denver, CO, PMSA                 | 2080       | 08    |      |
|                        |       | 001    | Colorado                         |            |       |      |
|                        |       | 003    | Adams                            |            |       | 001  |
|                        |       | 016    | Arapahoe                         |            |       | 005  |
|                        |       | 018    | Denver                           |            |       | 031  |
|                        |       | 030    | Douglas                          |            |       | 035  |
|                        |       |        | Jefferson                        |            |       | 059  |
| 075                    | 16    |        | Des Moines, IA, MSA              | 2120       | 19    |      |
|                        |       | 025    | Iowa                             |            |       |      |
|                        |       | 077    | Dallas                           |            |       | 049  |
|                        |       | 091    | Polk                             |            |       | 153  |
|                        |       |        | Warren                           |            |       | 181  |
| 076                    | 23    |        | Detroit, MI, PMSA                | 2160       | 26    |      |
|                        |       | 044    | Michigan                         |            |       |      |
|                        |       | 050    | Lapeer                           |            |       | 087  |
|                        |       | 058    | Macomb                           |            |       | 099  |
|                        |       | 063    | Monroe                           |            |       | 115  |
|                        |       | 074    | Oakland                          |            |       | 125  |
|                        |       | 082    | St. Clair                        |            |       | 147  |
|                        |       |        | Wayne                            |            |       | 163  |
| 077                    | 01    |        | Dothan, AL, MSA                  | 2180       | 01    |      |
|                        |       | 023    | Alabama                          |            |       |      |
|                        |       | 035    | Dale                             |            |       | 045  |
|                        |       |        | Houston                          |            |       | 069  |
| 078                    | 08    |        | Dover, DE, MSA                   | 2190       | 10    |      |
|                        |       | 001    | Delaware                         |            |       |      |
|                        |       |        | Kent                             |            |       | 001  |
| 079                    | 16    |        | Dubuque, IA, MSA                 | 2200       | 19    |      |
|                        |       | 031    | Iowa                             |            |       |      |
|                        |       |        | Dubuque                          |            |       | 061  |
| 080                    | 24    |        | Duluth-Superior, MN-WI, MSA      | 2240       | 27    |      |
|                        |       | 069    | Minnesota                        |            |       |      |
|                        |       | 50     | St. Louis                        |            |       | 137  |
|                        |       | 016    | Wisconsin                        |            |       | 55   |
|                        |       |        | Douglas                          |            |       | 031  |
| 081                    | 33    |        | Dutchess County, NY, PMSA        | 2281       | 36    |      |
|                        |       | 013    | New York                         |            |       |      |
|                        |       |        | Dutchess                         |            |       | 027  |
| 082                    | 50    |        | Eau Claire, WI, MSA              | 2290       | 55    |      |
|                        |       | 009    | Wisconsin                        |            |       |      |
|                        |       | 018    | Chippewa                         |            |       | 017  |
|                        |       |        | Eau Claire                       |            |       | 035  |

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| Vital Statistics Codes<br>P/MSA | State | County | P/MSA Name and County Components                              | FIPS<br>P/MSA | Codes |      |
|---------------------------------|-------|--------|---|---------------|-------|------|
|                                 |       |        |   |               | State | Cnty |
| 083                             | 44    | 071    | El Paso, TX, MSA<br>Texas<br>El Paso                          | 2320          | 48    | 141  |
| 084                             | 15    | 020    | Elkhart-Goshen, IN, MSA<br>Indiana<br>Elkhart                 | 2330          | 18    | 039  |
| 085                             | 33    | 007    | Elmira, NY, MSA<br>New York<br>Chemung                        | 2335          | 36    | 015  |
| 086                             | 37    | 024    | Enid, OK, MSA<br>Oklahoma<br>Garfield                         | 2340          | 40    | 047  |
| 087                             | 39    | 025    | Erie, PA, MSA<br>Pennsylvania<br>Erie                         | 2360          | 42    | 049  |
| 088                             | 38    | 020    | Eugene-Springfield, OR, MSA<br>Oregon<br>Lane                 | 2400          | 41    | 039  |
| 089                             | 15    | 065    | Evansville-Henderson, IN-KY, MSA<br>Indiana<br>Posey          | 2440          | 18    | 129  |
|                                 |       | 082    | Vanderburgh   |               |       | 163  |
|                                 | 18    | 087    | Warrick   |               |       | 173  |
|                                 |       | 051    | Kentucky<br>Henderson   |               | 21    | 101  |
| 090                             | 24    | 014    | Fargo-Moorhead, ND-MN, MSA<br>Minnesota<br>Clay               | 2520          | 27    | 027  |
|                                 | 35    | 009    | North Dakota<br>Cass  |               | 38    | 017  |
| 091                             | 34    | 026    | Fayetteville, NC, MSA<br>North Carolina<br>Cumberland         | 2560          | 37    | 051  |
| 092                             | 04    | 004    | Fayetteville-Springdale-Rogers, AR, MSA<br>Arkansas<br>Benton | 2580          | 05    | 007  |
|                                 |       | 072    | Washington  |               |       | 143  |
| 093                             | 23    | 025    | Flint, MI, PMSA<br>Michigan<br>Genesee                        | 2640          | 26    | 049  |
| 094                             | 01    | 017    | Florence, AL, MSA<br>Alabama<br>Colbert                       | 2650          | 01    | 033  |
|                                 |       | 039    | Lauderdale  |               |       | 077  |
| 095                             | 41    | 021    | Florence, SC, MSA<br>South Carolina<br>Florence               | 2655          | 45    | 041  |
| 096                             | 06    | 035    | Fort Collins-Loveland, CO, MSA<br>Colorado<br>Larimer         | 2670          | 08    | 069  |
| 097                             | 10    | 006    | Fort Lauderdale, FL, PMSA<br>Florida<br>Broward               | 2680          | 12    | 011  |
| 098                             | 10    | 036    | Fort Myers-Cape Coral, FL, MSA<br>Florida<br>Lee              | 2700          | 12    | 071  |

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| Vital Statistics Codes |       |        | P/MSA Name and County Components    | FIPS Codes |       |      |
|------------------------|-------|--------|-------------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                     | P/MSA      | State | Cnty |
| 099                    | 10    |        | Fort Pierce-Port St. Lucie, FL, MSA | 2710       |       |      |
|                        |       | 043    | Florida                             |            | 12    |      |
|                        |       | 056    | Martin                              |            |       | 085  |
|                        |       |        | St. Lucie                           |            |       | 111  |
| 100                    | 04    |        | Fort Smith, AR-OK, MSA              | 2720       |       |      |
|                        |       | 017    | Arkansas                            |            | 05    |      |
|                        |       | 066    | Crawford                            |            |       | 033  |
|                        |       |        | Sebastian                           |            |       | 131  |
|                        | 37    |        | Oklahoma                            |            | 40    |      |
|                        |       | 068    | Sequoyah                            |            |       | 135  |
| 101                    | 10    |        | Fort Walton Beach, FL, MSA          | 2750       |       |      |
|                        |       | 046    | Florida                             |            | 12    |      |
|                        |       |        | Okaloosa                            |            |       | 091  |
| 102                    | 15    |        | Fort Wayne, IN, MSA                 | 2760       |       |      |
|                        |       | 001    | Indiana                             |            | 18    |      |
|                        |       | 002    | Adams                               |            |       | 001  |
|                        |       | 017    | Allen                               |            |       | 003  |
|                        |       | 035    | De Kalb                             |            |       | 033  |
|                        |       | 090    | Huntington                          |            |       | 069  |
|                        |       | 092    | Wells                               |            |       | 179  |
|                        |       |        | Whitley                             |            |       | 183  |
| 103                    | 44    |        | Fort Worth-Arlington, TX, PMSA      | 2800       |       |      |
|                        |       | 111    | Texas                               |            | 48    |      |
|                        |       | 126    | Hood                                |            |       | 221  |
|                        |       | 184    | Johnson                             |            |       | 251  |
|                        |       | 220    | Parker                              |            |       | 367  |
|                        |       |        | Tarrant                             |            |       | 439  |
| 104                    | 05    |        | Fresno, CA, MSA                     | 2840       |       |      |
|                        |       | 010    | California                          |            | 06    |      |
|                        |       | 020    | Fresno                              |            |       | 019  |
|                        |       |        | Madera                              |            |       | 039  |
| 105                    | 01    |        | Gadsden, AL, MSA                    | 2880       |       |      |
|                        |       | 028    | Alabama                             |            | 01    |      |
|                        |       |        | Etowah                              |            |       | 055  |
| 106                    | 10    |        | Gainesville, FL, MSA                | 2900       |       |      |
|                        |       | 001    | Florida                             |            | 12    |      |
|                        |       |        | Alachua                             |            |       | 001  |
| 107                    | 44    |        | Galveston-Texas City, TX, PMSA      | 2920       |       |      |
|                        |       | 084    | Texas                               |            | 48    |      |
|                        |       |        | Galveston                           |            |       | 167  |
| 108                    | 15    |        | Gary, IN, PMSA                      | 2960       |       |      |
|                        |       | 045    | Indiana                             |            | 18    |      |
|                        |       | 064    | Lake                                |            |       | 089  |
|                        |       |        | Porter                              |            |       | 127  |
| 109                    | 33    |        | Glens Falls, NY, MSA                | 2975       |       |      |
|                        |       | 053    | New York                            |            | 36    |      |
|                        |       | 054    | Warren                              |            |       | 113  |
|                        |       |        | Washington                          |            |       | 115  |
| 110                    | 34    |        | Goldsboro, NC, MSA                  | 2980       |       |      |
|                        |       | 096    | North Carolina                      |            | 37    |      |
|                        |       |        | Wayne                               |            |       | 191  |
| 111                    | 24    |        | Grand Forks, ND-MN, MSA             | 2985       |       |      |
|                        |       | 060    | Minnesota                           |            | 27    |      |
|                        |       |        | Polk                                |            |       | 119  |
|                        | 35    |        | North Dakota                        |            | 38    |      |
|                        |       | 018    | Grand Forks                         |            |       | 035  |

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|------------------------|-------|--------|--|------------|-------|------|
| P/MSA                  | State | County |  | P/MSA      | State | Cnty |
| 112                    | 23    |        | Grand Rapids-Muskegon-Holland, MI, MSA         | 3000       | 26    |      |
|                        |       | 003    | Michigan                                       |            |       | 005  |
|                        |       | 041    | Allegan  |            |       | 081  |
|                        |       | 061    | Kent   |            |       | 121  |
|                        |       | 070    | Muskegon                                       |            |       | 139  |
|                        |       |        | Ottawa   |            |       |      |
| 113                    | 27    |        | Great Falls, MT, MSA                           | 3040       | 30    |      |
|                        |       | 007    | Montana  |            |       | 013  |
|                        |       |        | Cascade  |            |       |      |
| 114                    | 06    |        | Greeley, CO, PMSA                              | 3060       | 08    |      |
|                        |       | 062    | Colorado                                       |            |       | 123  |
|                        |       |        | Weld   |            |       |      |
| 115                    | 50    |        | Green Bay, WI, MSA                             | 3080       | 55    |      |
|                        |       | 005    | Wisconsin                                      |            |       | 009  |
|                        |       |        | Brown  |            |       |      |
| 116                    | 34    |        | Greensboro--Winston-Salem--High Point, NC, MSA | 3120       | 37    |      |
|                        |       | 001    | North Carolina                                 |            |       | 001  |
|                        |       | 029    | Alamance                                       |            |       | 057  |
|                        |       | 030    | Davidson                                       |            |       | 059  |
|                        |       | 034    | Davie  |            |       | 067  |
|                        |       | 041    | Forsyth  |            |       | 081  |
|                        |       | 076    | Guilford                                       |            |       | 151  |
|                        |       | 085    | Randolph                                       |            |       | 169  |
|                        |       | 099    | Stokes   |            |       | 197  |
|                        |       |        | Yadkin   |            |       |      |
| 117                    | 34    |        | Greenville, NC, MSA                            | 3150       | 37    |      |
|                        |       | 074    | North Carolina                                 |            |       | 147  |
|                        |       |        | Pitt   |            |       |      |
| 118                    | 41    |        | Greenville-Spartanburg-Anderson, SC, MSA       | 3160       | 45    |      |
|                        |       | 004    | South Carolina                                 |            |       | 007  |
|                        |       | 011    | Anderson                                       |            |       | 021  |
|                        |       | 023    | Cherokee                                       |            |       | 045  |
|                        |       | 039    | Greenville                                     |            |       | 077  |
|                        |       | 042    | Pickens  |            |       | 083  |
|                        |       |        | Spartanburg                                    |            |       |      |
| 119                    | 21    |        | Hagerstown, MD, PMSA                           | 3180       | 24    |      |
|                        |       | 022    | Maryland                                       |            |       | 043  |
|                        |       |        | Washington                                     |            |       |      |
| 120                    | 36    |        | Hamilton-Middletown, OH, PMSA                  | 3200       | 39    |      |
|                        |       | 009    | Ohio   |            |       | 017  |
|                        |       |        | Butler   |            |       |      |
| 121                    | 39    |        | Harrisburg-Lebanon-Carlisle, PA, MSA           | 3240       | 42    |      |
|                        |       | 021    | Pennsylvania                                   |            |       | 041  |
|                        |       | 022    | Cumberland                                     |            |       | 043  |
|                        |       | 038    | Dauphin  |            |       | 075  |
|                        |       | 050    | Lebanon  |            |       | 099  |
|                        |       |        | Perry  |            |       |      |
| 122                    | 07    |        | Hartford, CT, NECMA                            | 3283       | 09    |      |
|                        |       | 002    | Connecticut                                    |            |       | 003  |
|                        |       | 004    | Hartford                                       |            |       | 007  |
|                        |       | 007    | Middlesex                                      |            |       | 013  |
|                        |       |        | Tolland  |            |       |      |
| 123                    | 25    |        | Hattiesburg, MS, MSA                           | 3285       | 28    |      |
|                        |       | 018    | Mississippi                                    |            |       | 035  |
|                        |       | 037    | Forrest  |            |       | 073  |
|                        |       |        | Lamar  |            |       |      |
| 124                    | 34    |        | Hickory-Morganton, NC, MSA                     | 3290       | 37    |      |
|                        |       | 002    | North Carolina                                 |            |       | 003  |
|                        |       | 012    | Alexander                                      |            |       | 023  |
|                        |       | 014    | Burke  |            |       | 027  |
|                        |       | 018    | Caldwell                                       |            |       | 035  |
|                        |       |        | Catawba  |            |       |      |

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| Vital Statistics<br>P/MSA | Codes |        | P/MSA Name and County Components  | FIPS<br>P/MSA | Codes |      |
|---------------------------|-------|--------|-----------------------------------|---------------|-------|------|
|                           | State | County |                                   |               | State | Cnty |
| 125                       | 12    |        | Honolulu, HI, MSA                 | 3320          |       |      |
|                           |       | 002    | Hawaii<br>Honolulu                |               | 15    | 003  |
| 126                       | 19    |        | Houma, LA, MSA                    | 3350          |       |      |
|                           |       | 029    | Louisiana                         |               | 22    | 057  |
|                           |       | 055    | Lafourche<br>Terrebonne           |               |       | 109  |
| 127                       | 44    |        | Houston, TX, PMSA                 | 3360          |       |      |
|                           |       |        | Texas                             |               | 48    |      |
|                           |       | 036    | Chambers                          |               |       | 071  |
|                           |       | 079    | Fort Bend                         |               |       | 157  |
|                           |       | 101    | Harris                            |               |       | 201  |
|                           |       | 146    | Liberty                           |               |       | 291  |
|                           |       | 170    | Montgomery                        |               |       | 339  |
|                           |       | 237    | Waller                            |               |       | 473  |
| 128                       | 18    |        | Huntington-Ashland, WV-KY-OH, MSA | 3400          |       |      |
|                           |       |        | Kentucky                          |               | 21    |      |
|                           |       | 010    | Boyd                              |               |       | 019  |
|                           |       | 022    | Carter                            |               |       | 043  |
|                           |       | 045    | Greenup                           |               |       | 089  |
|                           | 36    |        | Ohio                              |               | 39    |      |
|                           |       | 044    | Lawrence                          |               |       | 087  |
|                           | 49    |        | West Virginia                     |               | 54    |      |
|                           |       | 006    | Cabell                            |               |       | 011  |
|                           |       | 050    | Wayne                             |               |       | 099  |
| 129                       | 01    |        | Huntsville, AL, MSA               | 3440          |       |      |
|                           |       |        | Alabama                           |               | 01    |      |
|                           |       | 042    | Limestone                         |               |       | 083  |
|                           |       | 045    | Madison                           |               |       | 089  |
| 130                       | 15    |        | Indianapolis, IN, MSA             | 3480          |       |      |
|                           |       |        | Indiana                           |               | 18    |      |
|                           |       | 006    | Boone                             |               |       | 011  |
|                           |       | 029    | Hamilton                          |               |       | 057  |
|                           |       | 030    | Hancock                           |               |       | 059  |
|                           |       | 032    | Hendricks                         |               |       | 063  |
|                           |       | 041    | Johnson                           |               |       | 081  |
|                           |       | 048    | Madison                           |               |       | 095  |
|                           |       | 049    | Marion                            |               |       | 097  |
|                           |       | 055    | Morgan                            |               |       | 109  |
|                           |       | 073    | Shelby                            |               |       | 145  |
| 131                       | 16    |        | Iowa City, IA, MSA                | 3500          |       |      |
|                           |       |        | Iowa                              |               | 19    |      |
|                           |       | 052    | Johnson                           |               |       | 103  |
| 132                       | 23    |        | Jackson, MI, MSA                  | 3520          |       |      |
|                           |       |        | Michigan                          |               | 26    |      |
|                           |       | 038    | Jackson                           |               |       | 075  |
| 133                       | 25    |        | Jackson, MS, MSA                  | 3560          |       |      |
|                           |       |        | Mississippi                       |               | 28    |      |
|                           |       | 025    | Hinds                             |               |       | 049  |
|                           |       | 045    | Madison                           |               |       | 089  |
|                           |       | 061    | Rankin                            |               |       | 121  |
| 134                       | 43    |        | Jackson, TN, MSA                  | 3580          |       |      |
|                           |       |        | Tennessee                         |               | 47    |      |
|                           |       | 057    | Madison                           |               |       | 113  |
| 135                       | 10    |        | Jacksonville, FL, MSA             | 3600          |       |      |
|                           |       |        | Florida                           |               | 12    |      |
|                           |       | 010    | Clay                              |               |       | 019  |
|                           |       | 016    | Duval                             |               |       | 031  |
|                           |       | 045    | Nassau                            |               |       | 089  |
|                           |       | 055    | St. Johns                         |               |       | 109  |
| 136                       | 34    |        | Jacksonville, NC, MSA             | 3605          |       |      |
|                           |       |        | North Carolina                    |               | 37    |      |
|                           |       | 067    | Onslow                            |               |       | 133  |

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|------------------------|-------|--------|--|------------|-------|------|
| P/MSA                  | State | County |  | P/MSA      | State | Cnty |
| 137                    | 33    |        | Jamestown, NY, MSA                         | 3610       |       |      |
|                        |       | 006    | New York<br>Chautauqua                     |            | 36    | 013  |
| 138                    | 50    |        | Janesville-Beloit, WI, MSA                 | 3620       |       |      |
|                        |       | 054    | Wisconsin<br>Rock                          |            | 55    | 105  |
| 139                    | 31    |        | Jersey City, NJ, PMSA                      | 3640       |       |      |
|                        |       | 009    | New Jersey<br>Hudson                       |            | 34    | 017  |
| 140                    | 43    |        | Johnson City-Kingsport-Bristol, TN-VA, MSA | 3660       |       |      |
|                        |       | 010    | Tennessee<br>Carter                        |            | 47    | 019  |
|                        |       | 037    | Hawkins                                    |            |       | 073  |
|                        |       | 082    | Sullivan                                   |            |       | 163  |
|                        |       | 086    | Unicoi                                     |            |       | 171  |
|                        |       | 090    | Washington                                 |            |       | 179  |
|                        | 47    |        | Virginia                                   |            | 51    |      |
|                        |       | 015    | Bristol city                               |            |       | 520  |
|                        |       | 115    | Scott                                      |            |       | 169  |
|                        |       | 129    | Washington                                 |            |       | 191  |
| 141                    | 39    |        | Johnstown, PA, MSA                         | 3680       |       |      |
|                        |       | 011    | Pennsylvania<br>Cambria                    |            | 42    | 021  |
|                        |       | 056    | Somerset                                   |            |       | 111  |
| 142                    | 26    |        | Joplin, MO, MSA                            | 3710       |       |      |
|                        |       | 049    | Missouri<br>Jasper                         |            | 29    | 097  |
|                        |       | 073    | Newton                                     |            |       | 145  |
| 143                    | 23    |        | Kalamazoo-Battle Creek, MI, MSA            | 3720       |       |      |
|                        |       | 013    | Michigan<br>Calhoun                        |            | 26    | 025  |
|                        |       | 039    | Kalamazoo                                  |            |       | 077  |
|                        |       | 080    | Van Buren                                  |            |       | 159  |
| 144                    | 14    |        | Kankakee, IL, PMSA                         | 3740       |       |      |
|                        |       | 046    | Illinois<br>Kankakee                       |            | 17    | 091  |
| 145                    | 17    |        | Kansas City, MO-KS, MSA                    | 3760       |       |      |
|                        |       | 046    | Kansas<br>Johnson                          |            | 20    | 091  |
|                        |       | 052    | Leavenworth                                |            |       | 103  |
|                        |       | 061    | Miami                                      |            |       | 121  |
|                        |       | 105    | Wyandotte                                  |            |       | 209  |
|                        | 26    |        | Missouri                                   |            | 29    |      |
|                        |       | 019    | Cass                                       |            |       | 037  |
|                        |       | 024    | Clay                                       |            |       | 047  |
|                        |       | 025    | Clinton                                    |            |       | 049  |
|                        |       | 048    | Jackson                                    |            |       | 095  |
|                        |       | 054    | Lafayette                                  |            |       | 107  |
|                        |       | 083    | Platte                                     |            |       | 165  |
|                        |       | 089    | Ray  |            |       | 177  |
| 146                    | 50    |        | Kenosha, WI, PMSA                          | 3800       |       |      |
|                        |       | 030    | Wisconsin<br>Kenosha                       |            | 55    | 059  |
| 147                    | 44    |        | Killeen-Temple, TX, MSA                    | 3810       |       |      |
|                        |       | 014    | Texas<br>Bell                              |            | 48    | 027  |
|                        |       | 050    | Coryell                                    |            |       | 099  |

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|------------------------|-------|--------|----------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                  | P/MSA      | State | Cnty |
| 148                    | 43    |        | Knoxville, TN, MSA               | 3840       | 47    |      |
|                        |       | 001    | Tennessee                        |            |       | 001  |
|                        |       | 005    | Anderson                         |            |       | 009  |
|                        |       | 047    | Blount                           |            |       | 093  |
|                        |       | 053    | Knox                             |            |       | 105  |
|                        |       | 078    | Loudon                           |            |       | 155  |
|                        |       | 087    | Sevier                           |            |       | 173  |
|                        |       |        | Union                            |            |       |      |
| 149                    | 15    |        | Kokomo, IN, MSA                  | 3850       | 18    |      |
|                        |       | 034    | Indiana                          |            |       | 067  |
|                        |       | 080    | Howard                           |            |       | 159  |
|                        |       |        | Tipton                           |            |       |      |
| 150                    | 24    |        | La Crosse, WI-MN, MSA            | 3870       | 27    |      |
|                        |       | 028    | Minnesota                        |            |       | 055  |
|                        | 50    |        | Houston                          |            | 55    | 063  |
|                        |       | 032    | Wisconsin                        |            |       |      |
|                        |       |        | La Crosse                        |            |       |      |
| 151                    | 19    |        | Lafayette, LA, MSA               | 3880       | 22    |      |
|                        |       | 001    | Louisiana                        |            |       | 001  |
|                        |       | 028    | Acadia                           |            |       | 055  |
|                        |       | 049    | Lafayette                        |            |       | 097  |
|                        |       | 050    | St. Landry                       |            |       | 099  |
|                        |       |        | St. Martin                       |            |       |      |
| 152                    | 15    |        | Lafayette, IN, MSA               | 3920       | 18    |      |
|                        |       | 012    | Indiana                          |            |       | 023  |
|                        |       | 079    | Clinton                          |            |       | 157  |
|                        |       |        | Tippecanoe                       |            |       |      |
| 153                    | 19    |        | Lake Charles, LA, MSA            | 3960       | 22    |      |
|                        |       | 010    | Louisiana                        |            |       | 019  |
|                        |       |        | Calcasieu                        |            |       |      |
| 154                    | 10    |        | Lakeland-Winter Haven, FL, MSA   | 3980       | 12    |      |
|                        |       | 053    | Florida                          |            |       | 105  |
|                        |       |        | Polk                             |            |       |      |
| 155                    | 39    |        | Lancaster, PA, MSA               | 4000       | 42    |      |
|                        |       | 036    | Pennsylvania                     |            |       | 071  |
|                        |       |        | Lancaster                        |            |       |      |
| 156                    | 23    |        | Lansing-East Lansing, MI, MSA    | 4040       | 26    |      |
|                        |       | 019    | Michigan                         |            |       | 037  |
|                        |       | 023    | Clinton                          |            |       | 045  |
|                        |       | 033    | Eaton                            |            |       | 065  |
|                        |       |        | Ingham                           |            |       |      |
| 157                    | 44    |        | Laredo, TX, MSA                  | 4080       | 48    |      |
|                        |       | 240    | Texas                            |            |       | 479  |
|                        |       |        | Webb                             |            |       |      |
| 158                    | 32    |        | Las Cruces, NM, MSA              | 4100       | 35    |      |
|                        |       | 008    | New Mexico                       |            |       | 013  |
|                        |       |        | Dona Ana                         |            |       |      |
| 159                    | 03    |        | Las Vegas, NV-AZ, MSA            | 4120       | 04    |      |
|                        |       | 009    | Arizona                          |            |       | 015  |
|                        | 29    |        | Mohave                           |            | 32    | 003  |
|                        |       | 003    | Nevada                           |            |       | 023  |
|                        |       | 013    | Clark                            |            |       |      |
|                        |       |        | Nye                              |            |       |      |
| 160                    | 17    |        | Lawrence, KS, MSA                | 4150       | 20    |      |
|                        |       | 023    | Kansas                           |            |       | 045  |
|                        |       |        | Douglas                          |            |       |      |
| 161                    | 37    |        | Lawton, OK, MSA                  | 4200       | 40    |      |
|                        |       | 016    | Oklahoma                         |            |       | 031  |
|                        |       |        | Comanche                         |            |       |      |



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|------------------------|-------|---|--|--|-------|-------|---|
| P/MSA                  | State | County  | P/MSA Name and County Components   |  | P/MSA | State | Cnty  |
| 162                    | 20    | 001   | Lewiston-Auburn, ME, NECMA<br>Maine<br>Androscoggin  |  | 4243  | 23    | 001   |
| 163                    | 18    | 009<br>025<br>034<br>057<br>076<br>105<br>120 | Lexington, KY, MSA<br>Kentucky<br>Bourbon<br>Clark<br>Fayette<br>Jessamine<br>Madison<br>Scott<br>Woodford |  | 4280  | 21    | 017<br>049<br>067<br>113<br>151<br>209<br>239 |
| 164                    | 36    | 002<br>006                                    | Lima, OH, MSA<br>Ohio<br>Allen<br>Auglaize   |  | 4320  | 39    | 003<br>011                                    |
| 165                    | 28    | 055   | Lincoln, NE, MSA<br>Nebraska<br>Lancaster  |  | 4360  | 31    | 109   |
| 166                    | 04    | 023<br>043<br>060<br>063                      | Little Rock-North Little Rock, AR, MSA<br>Arkansas<br>Faulkner<br>Lonoke<br>Pulaski<br>Saline              |  | 4400  | 05    | 045<br>085<br>119<br>125                      |
| 167                    | 44    | 092<br>102<br>230                             | Longview-Marshall, TX, MSA<br>Texas<br>Gregg<br>Harrison<br>Upshur   |  | 4420  | 48    | 183<br>203<br>459                             |
| 168                    | 05    | 019   | Los Angeles-Long Beach, CA, PMSA<br>California<br>Los Angeles  |  | 4480  | 06    | 037   |
| 169                    | 15    | 010<br>022<br>031<br>072                      | Louisville, KY-IN, MSA<br>Indiana<br>Clark<br>Floyd<br>Harrison<br>Scott                                   |  | 4520  | 18    | 019<br>043<br>061<br>143                      |
|                        | 18    | 015<br>056<br>093                             | Kentucky<br>Bullitt<br>Jefferson<br>Oldham   |  |       | 21    | 029<br>111<br>185                             |
| 170                    | 44    | 152   | Lubbock, TX, MSA<br>Texas<br>Lubbock   |  | 4600  | 48    | 303   |
| 171                    | 47    | 006<br>011<br>012<br>020<br>076               | Lynchburg, VA, MSA<br>Virginia<br>Amherst<br>Bedford<br>Bedford city<br>Campbell<br>Lynchburg city         |  | 4640  | 51    | 009<br>019<br>515<br>031<br>680               |
| 172                    | 11    | 011<br>076<br>084<br>111<br>143               | Macon, GA, MSA<br>Georgia<br>Bibb<br>Houston<br>Jones<br>Peach<br>Twiggs                                   |  | 4680  | 13    | 021<br>153<br>169<br>225<br>289               |
| 173                    | 50    | 013   | Madison, WI, MSA<br>Wisconsin<br>Dane  |  | 4720  | 55    | 025   |

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|------------------------|-------|--------|--|------------|-------|------|
| P/MSA                  | State | County |  |            | State | Cnty |
| 174                    | 36    |        | Mansfield, OH, MSA                     | 4800       |       |      |
|                        |       | 017    | Ohio                                   |            | 39    |      |
|                        |       | 070    | Crawford                               |            |       | 033  |
|                        |       |        | Richland                               |            |       | 139  |
| 175                    | 44    |        | McAllen-Edinburg-Mission, TX, MSA      | 4880       |       |      |
|                        |       | 108    | Texas                                  |            | 48    |      |
|                        |       |        | Hidalgo                                |            |       | 215  |
| 176                    | 38    |        | Medford-Ashland, OR, MSA               | 4890       |       |      |
|                        |       | 015    | Oregon                                 |            | 41    |      |
|                        |       |        | Jackson                                |            |       | 029  |
| 177                    | 10    |        | Melbourne-Titusville-Palm Bay, FL, MSA | 4900       |       |      |
|                        |       | 005    | Florida                                |            | 12    |      |
|                        |       |        | Brevard                                |            |       | 009  |
| 178                    | 04    |        | Memphis, TN-AR-MS, MSA                 | 4920       |       |      |
|                        |       | 018    | Arkansas                               |            | 05    |      |
|                        |       | 25     | Crittenden                             |            |       | 035  |
|                        |       | 017    | Mississippi                            |            | 28    |      |
|                        |       |        | De Soto                                |            |       | 033  |
|                        |       | 43     | Tennessee                              |            | 47    |      |
|                        |       | 024    | Fayette                                |            |       | 047  |
|                        |       | 079    | Shelby                                 |            |       | 157  |
|                        |       | 084    | Tipton                                 |            |       | 167  |
| 179                    | 05    |        | Merced, CA, MSA                        | 4940       |       |      |
|                        |       | 024    | California                             |            | 06    |      |
|                        |       |        | Merced                                 |            |       | 047  |
| 180                    | 10    |        | Miami, FL, PMSA                        | 5000       |       |      |
|                        |       | 013    | Florida                                |            | 12    |      |
|                        |       |        | Dade                                   |            |       | 025  |
| 181                    | 31    |        | Middlesex-Somerset-Hunterdon, NJ, PMSA | 5015       |       |      |
|                        |       | 010    | New Jersey                             |            | 34    |      |
|                        |       | 012    | Hunterdon                              |            |       | 019  |
|                        |       | 018    | Middlesex                              |            |       | 023  |
|                        |       |        | Somerset                               |            |       | 035  |
| 182                    | 50    |        | Milwaukee-Waukesha, WI, PMSA           | 5080       |       |      |
|                        |       | 041    | Wisconsin                              |            | 55    |      |
|                        |       | 046    | Milwaukee                              |            |       | 079  |
|                        |       | 067    | Ozaukee                                |            |       | 089  |
|                        |       | 068    | Washington                             |            |       | 131  |
|                        |       |        | Waukesha                               |            |       | 133  |
| 183                    | 24    |        | Minneapolis-St. Paul, MN-WI, MSA       | 5120       |       |      |
|                        |       | 002    | Minnesota                              |            | 27    |      |
|                        |       | 010    | Anoka                                  |            |       | 003  |
|                        |       | 013    | Carver                                 |            |       | 019  |
|                        |       | 019    | Chisago                                |            |       | 025  |
|                        |       | 027    | Dakota                                 |            |       | 037  |
|                        |       | 030    | Hennepin                               |            |       | 053  |
|                        |       | 062    | Isanti                                 |            |       | 059  |
|                        |       | 070    | Ramsey                                 |            |       | 123  |
|                        |       | 071    | Scott                                  |            |       | 139  |
|                        |       | 082    | Sherburne                              |            |       | 141  |
|                        |       | 086    | Washington                             |            |       | 163  |
|                        |       |        | Wright                                 |            |       | 171  |
|                        | 50    |        | Wisconsin                              |            | 55    |      |
|                        |       | 048    | Pierce                                 |            |       | 093  |
|                        |       | 056    | St. Croix                              |            |       | 109  |
| 184                    | 01    |        | Mobile, AL, MSA                        | 5160       |       |      |
|                        |       | 002    | Alabama                                |            | 01    |      |
|                        |       | 049    | Baldwin                                |            |       | 003  |
|                        |       |        | Mobile                                 |            |       | 097  |
| 185                    | 05    |        | Modesto, CA, MSA                       | 5170       |       |      |
|                        |       | 050    | California                             |            | 06    |      |
|                        |       |        | Stanislaus                             |            |       | 099  |

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| P/MSA                  | State | County |  | P/MSA      | State | Cnty |
| 186                    | 31    |        | Monmouth-Ocean, NJ, PMSA                         | 5190       | 34    |      |
|                        |       | 013    | New Jersey                                       |            |       | 025  |
|                        |       | 015    | Monmouth   |            |       | 029  |
|                        |       |        | Ocean  |            |       |      |
| 187                    | 19    |        | Monroe, LA, MSA                                  | 5200       | 22    |      |
|                        |       | 037    | Louisiana  |            |       | 073  |
|                        |       |        | Ouachita   |            |       |      |
| 188                    | 01    |        | Montgomery, AL, MSA                              | 5240       | 01    |      |
|                        |       | 001    | Alabama  |            |       | 001  |
|                        |       | 026    | Autauga  |            |       | 051  |
|                        |       | 051    | Elmore   |            |       | 101  |
|                        |       |        | Montgomery                                       |            |       |      |
| 189                    | 15    |        | Muncie, IN, MSA                                  | 5280       | 18    |      |
|                        |       | 018    | Indiana  |            |       | 035  |
|                        |       |        | Delaware   |            |       |      |
| 190                    | 41    |        | Myrtle Beach, SC, MSA                            | 5330       | 45    |      |
|                        |       | 026    | South Carolina                                   |            |       | 051  |
|                        |       |        | Horry  |            |       |      |
| 191                    | 10    |        | Naples, FL, MSA                                  | 5345       | 12    |      |
|                        |       | 011    | Florida  |            |       | 021  |
|                        |       |        | Collier  |            |       |      |
| 192                    | 43    |        | Nashville, TN, MSA                               | 5360       | 47    |      |
|                        |       | 011    | Tennessee  |            |       | 021  |
|                        |       | 019    | Cheatham   |            |       | 037  |
|                        |       | 022    | Davidson   |            |       | 043  |
|                        |       | 074    | Dickson  |            |       | 147  |
|                        |       | 075    | Robertson  |            |       | 149  |
|                        |       | 083    | Rutherford                                       |            |       | 165  |
|                        |       | 094    | Sumner   |            |       | 187  |
|                        |       | 095    | Williamson                                       |            |       | 189  |
|                        |       |        | Wilson   |            |       |      |
| 193                    | 33    |        | Nassau-Suffolk, NY, PMSA                         | 5380       | 36    |      |
|                        |       | 028    | New York   |            |       | 059  |
|                        |       | 048    | Nassau   |            |       | 103  |
|                        |       |        | Suffolk  |            |       |      |
| 194                    | 07    |        | New Haven-Bridgeport-Stamford-Danbury-Waterbury, | 5483       | 09    |      |
|                        |       | 001    | CT, NECMA  |            |       | 001  |
|                        |       | 005    | Connecticut                                      |            |       | 009  |
|                        |       |        | Fairfield  |            |       |      |
|                        |       |        | New Haven  |            |       |      |
| 195                    | 07    |        | New London-Norwich, CT, NECMA                    | 5523       | 09    |      |
|                        |       | 006    | Connecticut                                      |            |       | 011  |
|                        |       |        | New London                                       |            |       |      |
| 196                    | 19    |        | New Orleans, LA, MSA                             | 5560       | 22    |      |
|                        |       | 026    | Louisiana  |            |       | 051  |
|                        |       | 036    | Jefferson  |            |       | 071  |
|                        |       | 038    | Orleans  |            |       | 075  |
|                        |       | 044    | Plaquemines                                      |            |       | 087  |
|                        |       | 045    | St. Bernard                                      |            |       | 089  |
|                        |       | 047    | St. Charles                                      |            |       | 093  |
|                        |       | 048    | St. James  |            |       | 095  |
|                        |       | 052    | St. John the Baptist                             |            |       | 103  |
|                        |       |        | St. Tammany                                      |            |       |      |
| 197                    | 33    |        | New York, NY, PMSA                               | 5600       | 36    |      |
|                        |       | 029    | New York   |            |       | 005  |
|                        |       | 038    | New York city                                    |            |       | 079  |
|                        |       | 040    | Putnam   |            |       | 087  |
|                        |       | 056    | Rockland   |            |       | 119  |
|                        |       |        | Westchester                                      |            |       |      |

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|------------------------|-------|--------|---|------------|-------|------|
| P/MSA                  | State | County |   | P/MSA      | State | Cnty |
| 198                    | 31    |        | Newark, NJ, PMSA                                | 5640       |       |      |
|                        |       |        | New Jersey                                      |            | 34    |      |
|                        |       | 007    | Essex   |            |       | 013  |
|                        |       | 014    | Morris  |            |       | 027  |
|                        |       | 019    | Sussex  |            |       | 037  |
|                        |       | 020    | Union   |            |       | 039  |
|                        |       | 021    | Warren  |            |       | 041  |
| 199                    | 33    |        | Newburgh, NY-PA, PMSA                           | 5660       |       |      |
|                        |       |        | New York  |            | 36    |      |
|                        |       | 034    | Orange  |            |       | 071  |
|                        | 39    |        | Pennsylvania                                    |            | 42    |      |
|                        |       | 052    | Pike  |            |       | 103  |
| 200                    | 34    |        | Norfolk-Virginia Beach-Newport News, VA-NC, MSA | 5720       |       |      |
|                        |       |        | North Carolina                                  |            | 37    |      |
|                        |       | 027    | Currituck                                       |            |       | 053  |
|                        | 47    |        | Virginia  |            | 51    |      |
|                        |       | 026    | Chesapeake city                                 |            |       | 550  |
|                        |       | 052    | Gloucester                                      |            |       | 073  |
|                        |       | 058    | Hampton city                                    |            |       | 650  |
|                        |       | 065    | Isle of Wight                                   |            |       | 093  |
|                        |       | 066    | James City                                      |            |       | 095  |
|                        |       | 081    | Mathews   |            |       | 115  |
|                        |       | 087    | Newport News city                               |            |       | 700  |
|                        |       | 088    | Norfolk city                                    |            |       | 710  |
|                        |       | 098    | Poquoson city                                   |            |       | 735  |
|                        |       | 099    | Portsmouth city                                 |            |       | 740  |
|                        |       | 123    | Suffolk city                                    |            |       | 800  |
|                        |       | 127    | Virginia Beach city                             |            |       | 810  |
|                        |       | 132    | Williamsburg city                               |            |       | 830  |
|                        |       | 136    | York  |            |       | 199  |
| 201                    | 05    |        | Oakland, CA, PMSA                               | 5775       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 001    | Alameda   |            |       | 001  |
|                        |       | 007    | Contra Costa                                    |            |       | 013  |
| 202                    | 10    |        | Ocala, FL, MSA                                  | 5790       |       |      |
|                        |       |        | Florida   |            | 12    |      |
|                        |       | 042    | Marion  |            |       | 083  |
| 203                    | 44    |        | Odessa-Midland, TX, MSA                         | 5800       |       |      |
|                        |       |        | Texas   |            | 48    |      |
|                        |       | 068    | Ector   |            |       | 135  |
|                        |       | 165    | Midland   |            |       | 329  |
| 204                    | 37    |        | Oklahoma City, OK, MSA                          | 5880       |       |      |
|                        |       |        | Oklahoma  |            | 40    |      |
|                        |       | 009    | Canadian  |            |       | 017  |
|                        |       | 014    | Cleveland                                       |            |       | 027  |
|                        |       | 042    | Logan   |            |       | 083  |
|                        |       | 044    | McClain   |            |       | 087  |
|                        |       | 055    | Oklahoma  |            |       | 109  |
|                        |       | 063    | Pottawatomie                                    |            |       | 125  |
| 205                    | 48    |        | Olympia, WA, PMSA                               | 5910       |       |      |
|                        |       |        | Washington                                      |            | 53    |      |
|                        |       | 034    | Thurston  |            |       | 067  |
| 206                    | 16    |        | Omaha, NE-IA, MSA                               | 5920       |       |      |
|                        |       |        | Iowa  |            | 19    |      |
|                        |       | 078    | Pottawattamie                                   |            |       | 155  |
|                        | 28    |        | Nebraska  |            | 31    |      |
|                        |       | 013    | Cass  |            |       | 025  |
|                        |       | 028    | Douglas   |            |       | 055  |
|                        |       | 077    | Sarpy   |            |       | 153  |
|                        |       | 089    | Washington                                      |            |       | 177  |
| 207                    | 05    |        | Orange County, CA, PMSA                         | 5945       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 030    | Orange  |            |       | 059  |

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|------------------------|-------|--------|----------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                  | P/MSA      | State | Cnty |
| 208                    | 10    |        | Orlando, FL, MSA                 | 5960       |       |      |
|                        |       |        | Florida                          |            | 12    |      |
|                        |       | 035    | Lake                             |            |       | 069  |
|                        |       | 048    | Orange                           |            |       | 095  |
|                        |       | 049    | Osceola                          |            |       | 097  |
|                        |       | 059    | Seminole                         |            |       | 117  |
| 209                    | 18    |        | Owensboro, KY, MSA               | 5990       |       |      |
|                        |       |        | Kentucky                         |            | 21    |      |
|                        |       | 030    | Daviess                          |            |       | 059  |
| 210                    | 10    |        | Panama City, FL, MSA             | 6015       |       |      |
|                        |       |        | Florida                          |            | 12    |      |
|                        |       | 003    | Bay                              |            |       | 005  |
| 211                    | 36    |        | Parkersburg-Marietta, WV-OH, MSA | 6020       |       |      |
|                        |       |        | Ohio                             |            | 39    |      |
|                        |       | 084    | Washington                       |            |       | 167  |
|                        |       | 49     | West Virginia                    |            | 54    |      |
|                        |       | 054    | Wood                             |            |       | 107  |
| 212                    | 10    |        | Pensacola, FL, MSA               | 6080       |       |      |
|                        |       |        | Florida                          |            | 12    |      |
|                        |       | 017    | Escambia                         |            |       | 033  |
|                        |       | 057    | Santa Rosa                       |            |       | 113  |
| 213                    | 14    |        | Peoria-Pekin, IL, MSA            | 6120       |       |      |
|                        |       |        | Illinois                         |            | 17    |      |
|                        |       | 072    | Peoria                           |            |       | 143  |
|                        |       | 090    | Tazewell                         |            |       | 179  |
|                        |       | 102    | Woodford                         |            |       | 203  |
| 214                    | 31    |        | Philadelphia, PA-NJ, PMSA        | 6160       |       |      |
|                        |       |        | New Jersey                       |            | 34    |      |
|                        |       | 003    | Burlington                       |            |       | 005  |
|                        |       | 004    | Camden                           |            |       | 007  |
|                        |       | 008    | Gloucester                       |            |       | 015  |
|                        |       | 017    | Salem                            |            |       | 033  |
|                        |       |        | Pennsylvania                     |            | 42    |      |
|                        |       | 009    | Bucks                            |            |       | 017  |
|                        |       | 015    | Chester                          |            |       | 029  |
|                        |       | 023    | Delaware                         |            |       | 045  |
|                        |       | 046    | Montgomery                       |            |       | 091  |
|                        |       | 051    | Philadelphia                     |            |       | 101  |
| 215                    | 03    |        | Phoenix-Mesa, AZ, MSA            | 6200       |       |      |
|                        |       |        | Arizona                          |            | 04    |      |
|                        |       | 008    | Maricopa                         |            |       | 013  |
|                        |       | 012    | Pinal                            |            |       | 021  |
| 216                    | 04    |        | Pine Bluff, AR, MSA              | 6240       |       |      |
|                        |       |        | Arkansas                         |            | 05    |      |
|                        |       | 035    | Jefferson                        |            |       | 069  |
| 217                    | 39    |        | Pittsburgh, PA, MSA              | 6280       |       |      |
|                        |       |        | Pennsylvania                     |            | 42    |      |
|                        |       | 002    | Allegheny                        |            |       | 003  |
|                        |       | 004    | Beaver                           |            |       | 007  |
|                        |       | 010    | Butler                           |            |       | 019  |
|                        |       | 026    | Fayette                          |            |       | 051  |
|                        |       | 063    | Washington                       |            |       | 125  |
|                        |       | 065    | Westmoreland                     |            |       | 129  |
| 218                    | 22    |        | Pittsfield, MA, NECMA            | 6323       |       |      |
|                        |       |        | Massachusetts                    |            | 25    |      |
|                        |       | 002    | Berkshire                        |            |       | 003  |
| 219                    | 20    |        | Portland, ME, NECMA              | 6403       |       |      |
|                        |       |        | Maine                            |            | 23    |      |
|                        |       | 003    | Cumberland                       |            |       | 005  |

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|------------------------|-------|--------|---|------------|-------|------|
| P/MSA                  | State | County |   | P/MSA      | State | Cnty |
| 220                    | 38    |        | Portland-Vancouver, OR-WA, PMSA         | 6440       |       |      |
|                        |       |        | Oregon                                  |            | 41    |      |
|                        |       | 003    | Clackamas                               |            |       | 005  |
|                        |       | 005    | Columbia                                |            |       | 009  |
|                        |       | 026    | Multnomah                               |            |       | 051  |
|                        |       | 034    | Washington                              |            |       | 067  |
|                        |       | 036    | Yamhill                                 |            |       | 071  |
|                        | 48    |        | Washington                              |            | 53    |      |
|                        |       | 006    | Clark                                   |            |       | 011  |
| 221                    | 40    |        | Providence-Warwick-Pawtucket, RI, NECMA | 6483       |       |      |
|                        |       |        | Rhode Island                            |            | 44    |      |
|                        |       | 001    | Bristol                                 |            |       | 001  |
|                        |       | 002    | Kent                                    |            |       | 003  |
|                        |       | 004    | Providence                              |            |       | 007  |
|                        |       | 005    | Washington                              |            |       | 009  |
| 222                    | 45    |        | Provo-Orem, UT, MSA                     | 6520       |       |      |
|                        |       |        | Utah                                    |            | 49    |      |
|                        |       | 025    | Utah                                    |            |       | 049  |
| 223                    | 06    |        | Pueblo, CO, MSA                         | 6560       |       |      |
|                        |       |        | Colorado                                |            | 08    |      |
|                        |       | 051    | Pueblo                                  |            |       | 101  |
| 224                    | 10    |        | Punta Gorda, FL, MSA                    | 6580       |       |      |
|                        |       |        | Florida                                 |            | 12    |      |
|                        |       | 008    | Charlotte                               |            |       | 015  |
| 225                    | 50    |        | Racine, WI, PMSA                        | 6600       |       |      |
|                        |       |        | Wisconsin                               |            | 55    |      |
|                        |       | 052    | Racine                                  |            |       | 101  |
| 226                    | 34    |        | Raleigh-Durham-Chapel Hill, NC, MSA     | 6640       |       |      |
|                        |       |        | North Carolina                          |            | 37    |      |
|                        |       | 019    | Chatham                                 |            |       | 037  |
|                        |       | 032    | Durham                                  |            |       | 063  |
|                        |       | 035    | Franklin                                |            |       | 069  |
|                        |       | 051    | Johnston                                |            |       | 101  |
|                        |       | 068    | Orange                                  |            |       | 135  |
|                        |       | 092    | Wake                                    |            |       | 183  |
| 227                    | 42    |        | Rapid City, SD, MSA                     | 6660       |       |      |
|                        |       |        | South Dakota                            |            | 46    |      |
|                        |       | 051    | Pennington                              |            |       | 103  |
| 228                    | 39    |        | Reading, PA, MSA                        | 6680       |       |      |
|                        |       |        | Pennsylvania                            |            | 42    |      |
|                        |       | 006    | Berks                                   |            |       | 011  |
| 229                    | 05    |        | Redding, CA, MSA                        | 6690       |       |      |
|                        |       |        | California                              |            | 06    |      |
|                        |       | 045    | Shasta                                  |            |       | 089  |
| 230                    | 29    |        | Reno, NV, MSA                           | 6720       |       |      |
|                        |       |        | Nevada                                  |            | 32    |      |
|                        |       | 016    | Washoe                                  |            |       | 031  |
| 231                    | 48    |        | Richland-Kennewick-Pasco, WA, MSA       | 6740       |       |      |
|                        |       |        | Washington                              |            | 53    |      |
|                        |       | 003    | Benton                                  |            |       | 005  |
|                        |       | 011    | Franklin                                |            |       | 021  |

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| P/MSA                  | State | County | P/MSA Name and County Components   | P/MSA | State      | Cnty |
| 232                    | 47    |        | Richmond-Petersburg, VA, MSA       | 6760  | 51         |      |
|                        |       | 023    | Virginia                           |       |            | 036  |
|                        |       | 027    | Charles City                       |       |            | 041  |
|                        |       | 030    | Chesterfield                       |       |            | 570  |
|                        |       | 037    | Colonial Heights city              |       |            | 053  |
|                        |       | 053    | Dinwiddie                          |       |            | 075  |
|                        |       | 059    | Goochland                          |       |            | 085  |
|                        |       | 061    | Hanover                            |       |            | 087  |
|                        |       | 064    | Henrico                            |       |            | 670  |
|                        |       | 086    | Hopewell city                      |       |            | 127  |
|                        |       | 096    | New Kent                           |       |            | 730  |
|                        |       | 100    | Petersburg city                    |       |            | 145  |
|                        |       | 102    | Powhatan                           |       |            | 149  |
|                        |       | 108    | Prince George                      |       |            | 760  |
|                        |       |        | Richmond city                      |       |            |      |
| 233                    | 05    |        | Riverside-San Bernardino, CA, PMSA | 6780  | 06         |      |
|                        |       | 033    | California                         |       |            | 065  |
|                        |       | 036    | Riverside                          |       |            | 071  |
|                        |       |        | San Bernardino                     |       |            |      |
| 234                    | 47    |        | Roanoke, VA, MSA                   | 6800  | 51         |      |
|                        |       | 014    | Virginia                           |       |            | 023  |
|                        |       | 109    | Botetourt                          |       |            | 161  |
|                        |       | 110    | Roanoke                            |       |            | 770  |
|                        |       | 114    | Roanoke city                       |       |            | 775  |
|                        |       |        | Salem city                         |       |            |      |
| 235                    | 24    |        | Rochester, MN, MSA                 | 6820  | 27         |      |
|                        |       | 055    | Minnesota                          |       |            | 109  |
|                        |       |        | Olmsted                            |       |            |      |
| 236                    | 33    |        | Rochester, NY, MSA                 | 6840  | 36         |      |
|                        |       | 018    | New York                           |       |            | 037  |
|                        |       | 024    | Genesee                            |       |            | 051  |
|                        |       | 026    | Livingston                         |       |            | 055  |
|                        |       | 033    | Monroe                             |       |            | 069  |
|                        |       | 035    | Ontario                            |       |            | 073  |
|                        |       | 055    | Orleans                            |       |            | 117  |
|                        |       |        | Wayne                              |       |            |      |
| 237                    | 14    |        | Rockford, IL, MSA                  | 6880  | 17         |      |
|                        |       | 004    | Illinois                           |       |            | 007  |
|                        |       | 071    | Boone                              |       |            | 141  |
|                        |       | 101    | Ogle                               |       |            | 201  |
|                        |       |        | Winnebago                          |       |            |      |
| 238                    | 34    |        | Rocky Mount, NC, MSA               | 6895  | 37         |      |
|                        |       | 033    | North Carolina                     |       |            | 065  |
|                        |       | 064    | Edgecombe                          |       |            | 127  |
|                        |       |        | Nash                               |       |            |      |
| 239                    | 05    |        | Sacramento, CA, PMSA               | 6920  | 06         |      |
|                        |       | 009    | California                         |       |            | 017  |
|                        |       | 031    | El Dorado                          |       |            | 061  |
|                        |       | 034    | Placer                             |       |            | 067  |
|                        |       |        | Sacramento                         |       |            |      |
| 240                    | 23    |        | Saginaw-Bay City-Midland, MI, MSA  | 6960  | 26         |      |
|                        |       | 009    | Michigan                           |       |            | 017  |
|                        |       | 056    | Bay                                |       |            | 111  |
|                        |       | 073    | Midland                            |       |            | 145  |
|                        |       |        | Saginaw                            |       |            |      |
| 241                    | 24    |        | St. Cloud, MN, MSA                 | 6980  | 27         |      |
|                        |       | 005    | Minnesota                          |       |            | 009  |
|                        |       | 073    | Benton                             |       |            | 145  |
|                        |       |        | Stearns                            |       |            |      |
| 242                    | 26    |        | St. Joseph, MO, MSA                | 7000  | 29         |      |
|                        |       | 002    | Missouri                           |       |            | 003  |
|                        |       | 011    | Andrew                             |       |            | 021  |
|                        |       |        | Buchanan                           |       |            |      |

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|------------------------|-------|--------|---|------------|-------|------|
| P/MSA                  | State | County |   | P/MSA      | State | Cnty |
| 243                    | 14    |        | St. Louis, MO-IL, MSA                           | 7040       |       |      |
|                        |       |        | Illinois  |            | 17    |      |
|                        |       | 014    | Clinton   |            |       | 027  |
|                        |       | 042    | Jersey  |            |       | 083  |
|                        |       | 060    | Madison   |            |       | 119  |
|                        |       | 067    | Monroe  |            |       | 133  |
|                        |       | 082    | St. Clair                                       |            |       | 163  |
|                        | 26    |        | Missouri  |            | 29    |      |
|                        |       | 036    | Franklin  |            |       | 071  |
|                        |       | 050    | Jefferson                                       |            |       | 099  |
|                        |       | 057    | Lincoln   |            |       | 113  |
|                        |       | 092    | St. Charles                                     |            |       | 183  |
|                        |       | 095    | St. Louis                                       |            |       | 189  |
|                        |       | 096    | St. Louis city                                  |            |       | 510  |
|                        |       | 110    | Warren  |            |       | 219  |
| 244                    | 38    |        | Salem, OR, PMSA                                 | 7080       |       |      |
|                        |       |        | Oregon  |            | 41    |      |
|                        |       | 024    | Marion  |            |       | 047  |
|                        |       | 027    | Polk  |            |       | 053  |
| 245                    | 05    |        | Salinas, CA, MSA                                | 7120       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 027    | Monterey  |            |       | 053  |
| 246                    | 45    |        | Salt Lake City-Ogden, UT, MSA                   | 7160       |       |      |
|                        |       |        | Utah  |            | 49    |      |
|                        |       | 006    | Davis   |            |       | 011  |
|                        |       | 018    | Salt Lake                                       |            |       | 035  |
|                        |       | 029    | Weber   |            |       | 057  |
| 247                    | 44    |        | San Angelo, TX, MSA                             | 7200       |       |      |
|                        |       |        | Texas   |            | 48    |      |
|                        |       | 226    | Tom Green                                       |            |       | 451  |
| 248                    | 44    |        | San Antonio, TX, MSA                            | 7240       |       |      |
|                        |       |        | Texas   |            | 48    |      |
|                        |       | 015    | Bexar   |            |       | 029  |
|                        |       | 046    | Comal   |            |       | 091  |
|                        |       | 094    | Guadalupe                                       |            |       | 187  |
|                        |       | 247    | Wilson  |            |       | 493  |
| 249                    | 05    |        | San Diego, CA, MSA                              | 7320       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 037    | San Diego                                       |            |       | 073  |
| 250                    | 05    |        | San Francisco, CA, PMSA                         | 7360       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 021    | Marin   |            |       | 041  |
|                        |       | 038    | San Francisco                                   |            |       | 075  |
|                        |       | 041    | San Mateo                                       |            |       | 081  |
| 251                    | 05    |        | San Jose, CA, PMSA                              | 7400       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 043    | Santa Clara                                     |            |       | 085  |
| 252                    | 05    |        | San Luis Obispo-Atascadero-Paso Robles, CA, MSA | 7460       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 040    | San Luis Obispo                                 |            |       | 079  |
| 253                    | 05    |        | Santa Barbara-Santa Maria-Lompoc, CA, MSA       | 7480       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 042    | Santa Barbara                                   |            |       | 083  |
| 254                    | 05    |        | Santa Cruz-Watsonville, CA, PMSA                | 7485       |       |      |
|                        |       |        | California                                      |            | 06    |      |
|                        |       | 044    | Santa Cruz                                      |            |       | 087  |
| 255                    | 32    |        | Santa Fe, NM, MSA                               | 7490       |       |      |
|                        |       |        | New Mexico                                      |            | 35    |      |
|                        |       | 016    | Los Alamos                                      |            |       | 028  |
|                        |       | 027    | Santa Fe  |            |       | 049  |



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|---------------------------|----------------|--------------------------|---|---------------|----------|--------------------------|
|                           |                |                          |   |               | State    | Cnty                     |
| 256                       | 05             | 049                      | Santa Rosa, CA, PMSA<br>California<br>Sonoma  | 7500          | 06       | 097                      |
| 257                       | 10             | 041<br>058               | Sarasota-Bradenton, FL, MSA<br>Florida<br>Manatee<br>Sarasota   | 7510          | 12       | 081<br>115               |
| 258                       | 11             | 015<br>025<br>051        | Savannah, GA, MSA<br>Georgia<br>Bryan<br>Chatham<br>Effingham   | 7520          | 13       | 029<br>051<br>103        |
| 259                       | 39             | 019<br>035<br>040<br>066 | Scranton--Wilkes-Barre--Hazleton, PA, MSA<br>Pennsylvania<br>Columbia<br>Lackawanna<br>Luzerne<br>Wyoming | 7560          | 42       | 037<br>069<br>079<br>131 |
| 260                       | 48             | 015<br>017<br>031        | Seattle-Bellevue-Everett, WA, PMSA<br>Washington<br>Island<br>King<br>Snohomish                           | 7600          | 53       | 029<br>033<br>061        |
| 261                       | 39             | 043                      | Sharon, PA, MSA<br>Pennsylvania<br>Mercer   | 7610          | 42       | 085                      |
| 262                       | 50             | 060                      | Sheboygan, WI, MSA<br>Wisconsin<br>Sheboygan  | 7620          | 55       | 117                      |
| 263                       | 44             | 091                      | Sherman-Denison, TX, MSA<br>Texas<br>Grayson  | 7640          | 48       | 181                      |
| 264                       | 19             | 008<br>009<br>060        | Shreveport-Bossier City, LA, MSA<br>Louisiana<br>Bossier<br>Caddo<br>Webster                              | 7680          | 22       | 015<br>017<br>119        |
| 265                       | 16             | 097<br>28<br>022         | Sioux City, IA-NE, MSA<br>Iowa<br>Woodbury<br>Nebraska<br>Dakota  | 7720          | 19<br>31 | 193<br>043               |
| 266                       | 42             | 041<br>049               | Sioux Falls, SD, MSA<br>South Dakota<br>Lincoln<br>Minnehaha  | 7760          | 46       | 083<br>099               |
| 267                       | 15             | 071                      | South Bend, IN, MSA<br>Indiana<br>St. Joseph  | 7800          | 18       | 141                      |
| 268                       | 48             | 032                      | Spokane, WA, MSA<br>Washington<br>Spokane   | 7840          | 53       | 063                      |
| 269                       | 14             | 065<br>084               | Springfield, IL, MSA<br>Illinois<br>Menard<br>Sangamon  | 7880          | 17       | 129<br>167               |

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|------------------------|-------|--------|--|------------|-------|------|
| P/MSA                  | State | County |  | P/MSA      | State | Cnty |
| 270                    | 26    |        | Springfield, MO, MSA                     | 7920       |       |      |
|                        |       |        | Missouri                                 |            | 29    |      |
|                        |       | 022    | Christian                                |            |       | 043  |
|                        |       | 039    | Greene                                   |            |       | 077  |
|                        |       | 113    | Webster                                  |            |       | 225  |
| 271                    | 22    |        | Springfield, MA, NECMA                   | 8003       |       |      |
|                        |       |        | Massachusetts                            |            | 25    |      |
|                        |       | 007    | Hampden                                  |            |       | 013  |
|                        |       | 008    | Hampshire                                |            |       | 015  |
| 272                    | 39    |        | State College, PA, MSA                   | 8050       |       |      |
|                        |       |        | Pennsylvania                             |            | 42    |      |
|                        |       | 014    | Centre                                   |            |       | 027  |
| 273                    | 36    |        | Steubenville-Weirton, OH-WV, MSA         | 8080       |       |      |
|                        |       |        | Ohio                                     |            | 39    |      |
|                        |       | 041    | Jefferson                                |            |       | 081  |
|                        |       | 49     | West Virginia                            |            | 54    |      |
|                        |       | 005    | Brooke                                   |            |       | 009  |
|                        |       | 015    | Hancock                                  |            |       | 029  |
| 274                    | 05    |        | Stockton-Lodi, CA, MSA                   | 8120       |       |      |
|                        |       |        | California                               |            | 06    |      |
|                        |       | 039    | San Joaquin                              |            |       | 077  |
| 275                    | 41    |        | Sumter, SC, MSA                          | 8140       |       |      |
|                        |       |        | South Carolina                           |            | 45    |      |
|                        |       | 043    | Sumter                                   |            |       | 085  |
| 276                    | 33    |        | Syracuse, NY, MSA                        | 8160       |       |      |
|                        |       |        | New York                                 |            | 36    |      |
|                        |       | 005    | Cayuga                                   |            |       | 011  |
|                        |       | 025    | Madison                                  |            |       | 053  |
|                        |       | 032    | Onondaga                                 |            |       | 067  |
|                        |       | 036    | Oswego                                   |            |       | 075  |
| 277                    | 48    |        | Tacoma, WA, PMSA                         | 8200       |       |      |
|                        |       |        | Washington                               |            | 53    |      |
|                        |       | 027    | Pierce                                   |            |       | 053  |
| 278                    | 10    |        | Tallahassee, FL, MSA                     | 8240       |       |      |
|                        |       |        | Florida                                  |            | 12    |      |
|                        |       | 020    | Gadsden                                  |            |       | 039  |
|                        |       | 037    | Leon                                     |            |       | 073  |
| 279                    | 10    |        | Tampa-St. Petersburg-Clearwater, FL, MSA | 8280       |       |      |
|                        |       |        | Florida                                  |            | 12    |      |
|                        |       | 027    | Hernando                                 |            |       | 053  |
|                        |       | 029    | Hillsborough                             |            |       | 057  |
|                        |       | 051    | Pasco                                    |            |       | 101  |
|                        |       | 052    | Pinellas                                 |            |       | 103  |
| 280                    | 15    |        | Terre Haute, IN, MSA                     | 8320       |       |      |
|                        |       |        | Indiana                                  |            | 18    |      |
|                        |       | 011    | Clay                                     |            |       | 021  |
|                        |       | 083    | Vermillion                               |            |       | 165  |
|                        |       | 084    | Vigo                                     |            |       | 167  |
| 281                    | 04    |        | Texarkana, TX-Texarkana, AR, MSA         | 8360       |       |      |
|                        |       |        | Arkansas                                 |            | 05    |      |
|                        |       | 046    | Miller                                   |            |       | 091  |
|                        |       | 44     | Texas                                    |            | 48    |      |
|                        |       | 019    | Bowie                                    |            |       | 037  |
| 282                    | 36    |        | Toledo, OH, MSA                          | 8400       |       |      |
|                        |       |        | Ohio                                     |            | 39    |      |
|                        |       | 026    | Fulton                                   |            |       | 051  |
|                        |       | 048    | Lucas                                    |            |       | 095  |
|                        |       | 087    | Wood                                     |            |       | 173  |
| 283                    | 17    |        | Topeka, KS, MSA                          | 8440       |       |      |
|                        |       |        | Kansas                                   |            | 20    |      |
|                        |       | 089    | Shawnee                                  |            |       | 177  |

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|------------------------|-------|---------------------------------|--|------------|-------|---------------------------------|
| P/MSA                  | State | County                          |  | P/MSA      | State | Cnty                            |
| 284                    | 31    | 011                             | Trenton, NJ, PMSA<br>New Jersey<br>Mercer                                  | 8480       | 34    | 021                             |
| 285                    | 03    | 011                             | Tucson, AZ, MSA<br>Arizona<br>Pima   | 8520       | 04    | 019                             |
| 286                    | 37    | 019<br>057<br>066<br>072<br>073 | Tulsa, OK, MSA<br>Oklahoma<br>Creek<br>Osage<br>Rogers<br>Tulsa<br>Wagoner | 8560       | 40    | 037<br>113<br>131<br>143<br>145 |
| 287                    | 01    | 063                             | Tuscaloosa, AL, MSA<br>Alabama<br>Tuscaloosa                               | 8600       | 01    | 125                             |
| 288                    | 44    | 212                             | Tyler, TX, MSA<br>Texas<br>Smith   | 8640       | 48    | 423                             |
| 289                    | 33    | 021<br>031                      | Utica-Rome, NY, MSA<br>New York<br>Herkimer<br>Oneida                      | 8680       | 36    | 043<br>065                      |
| 290                    | 05    | 028<br>048                      | Vallejo-Fairfield-Napa, CA, PMSA<br>California<br>Napa<br>Solano           | 8720       | 06    | 055<br>095                      |
| 291                    | 05    | 056                             | Ventura, CA, PMSA<br>California<br>Ventura                                 | 8735       | 06    | 111                             |
| 292                    | 44    | 235                             | Victoria, TX, MSA<br>Texas<br>Victoria                                     | 8750       | 48    | 469                             |
| 293                    | 31    | 006                             | Vineland-Millville-Bridgeton, NJ, PMSA<br>New Jersey<br>Cumberland         | 8760       | 34    | 011                             |
| 294                    | 05    | 054                             | Visalia-Tulare-Porterville, CA, MSA<br>California<br>Tulare                | 8780       | 06    | 107                             |
| 295                    | 44    | 155                             | Waco, TX, MSA<br>Texas<br>McLennan   | 8800       | 48    | 309                             |

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|------------------------|-------|--------|-------------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                     | P/MSA      | State | Cnty |
| 296                    |       |        | Washington, DC-MD-VA-WV, PMSA       | 8840       |       |      |
|                        | 09    |        | Dist. of Columbia                   |            | 11    |      |
|                        |       | 001    | District of Columbia                |            |       | 001  |
|                        | 21    |        | Maryland                            |            | 24    |      |
|                        |       | 005    | Calvert                             |            |       | 009  |
|                        |       | 009    | Charles                             |            |       | 017  |
|                        |       | 011    | Frederick                           |            |       | 021  |
|                        |       | 016    | Montgomery                          |            |       | 031  |
|                        |       | 017    | Prince George's                     |            |       | 033  |
|                        | 47    |        | Virginia                            |            | 51    |      |
|                        |       | 003    | Alexandria city                     |            |       | 510  |
|                        |       | 008    | Arlington                           |            |       | 013  |
|                        |       | 028    | Clarke                              |            |       | 043  |
|                        |       | 033    | Culpeper                            |            |       | 047  |
|                        |       | 040    | Fairfax                             |            |       | 059  |
|                        |       | 041    | Fairfax city                        |            |       | 600  |
|                        |       | 042    | Falls Church city                   |            |       | 610  |
|                        |       | 043    | Fauquier                            |            |       | 061  |
|                        |       | 049    | Fredericksburg city                 |            |       | 630  |
|                        |       | 068    | King George                         |            |       | 099  |
|                        |       | 073    | Loudoun                             |            |       | 107  |
|                        |       | 078    | Manassas city                       |            |       | 683  |
|                        |       | 079    | Manassas Park city                  |            |       | 685  |
|                        |       | 103    | Prince William                      |            |       | 153  |
|                        |       | 120    | Spotsylvania                        |            |       | 177  |
|                        |       | 121    | Stafford                            |            |       | 179  |
|                        |       | 128    | Warren                              |            |       | 187  |
|                        | 49    |        | West Virginia                       |            | 54    |      |
|                        |       | 002    | Berkeley                            |            |       | 003  |
|                        |       | 019    | Jefferson                           |            |       | 037  |
| 297                    |       |        | Waterloo-Cedar Falls, IA, MSA       | 8920       |       |      |
|                        | 16    |        | Iowa                                |            | 19    |      |
|                        |       | 007    | Black Hawk                          |            |       | 013  |
| 298                    |       |        | Wausau, WI, MSA                     | 8940       |       |      |
|                        | 50    |        | Wisconsin                           |            | 55    |      |
|                        |       | 037    | Marathon                            |            |       | 073  |
| 299                    |       |        | West Palm Beach-Boca Raton, FL, MSA | 8960       |       |      |
|                        | 10    |        | Florida                             |            | 12    |      |
|                        |       | 050    | Palm Beach                          |            |       | 099  |
| 300                    |       |        | Wheeling, WV-OH, MSA                | 9000       |       |      |
|                        | 36    |        | Ohio                                |            | 39    |      |
|                        |       | 007    | Belmont                             |            |       | 013  |
|                        | 49    |        | West Virginia                       |            | 54    |      |
|                        |       | 026    | Marshall                            |            |       | 051  |
|                        |       | 035    | Ohio                                |            |       | 069  |
| 301                    |       |        | Wichita, KS, MSA                    | 9040       |       |      |
|                        | 17    |        | Kansas                              |            | 20    |      |
|                        |       | 008    | Butler                              |            |       | 015  |
|                        |       | 040    | Harvey                              |            |       | 079  |
|                        |       | 087    | Sedgwick                            |            |       | 173  |
| 302                    |       |        | Wichita Falls, TX, MSA              | 9080       |       |      |
|                        | 44    |        | Texas                               |            | 48    |      |
|                        |       | 005    | Archer                              |            |       | 009  |
|                        |       | 243    | Wichita                             |            |       | 485  |
| 303                    |       |        | Williamsport, PA, MSA               | 9140       |       |      |
|                        | 39    |        | Pennsylvania                        |            | 42    |      |
|                        |       | 041    | Lycoming                            |            |       | 081  |
| 304                    |       |        | Wilmington-Newark, DE-MD, PMSA      | 9160       |       |      |
|                        | 08    |        | Delaware                            |            | 10    |      |
|                        |       | 002    | New Castle                          |            |       | 003  |
|                        | 21    |        | Maryland                            |            | 24    |      |
|                        |       | 008    | Cecil                               |            |       | 015  |

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|------------------------|-------|--------|----------------------------------|------------|-------|------|
| P/MSA                  | State | County |                                  | P/MSA      | State | Cnty |
| 305                    | 34    |        | Wilmington, NC, MSA              | 9200       | 37    |      |
|                        |       | 010    | North Carolina                   |            |       | 019  |
|                        |       | 065    | Brunswick                        |            |       | 129  |
|                        |       |        | New Hanover                      |            |       |      |
| 306                    | 48    |        | Yakima, WA, MSA                  | 9260       | 53    |      |
|                        |       | 039    | Washington                       |            |       | 077  |
|                        |       |        | Yakima                           |            |       |      |
| 307                    | 05    |        | Yolo, CA, PMSA                   | 9270       | 06    |      |
|                        |       | 057    | California                       |            |       | 113  |
|                        |       |        | Yolo                             |            |       |      |
| 308                    | 39    |        | York, PA, MSA                    | 9280       | 42    |      |
|                        |       | 067    | Pennsylvania                     |            |       | 133  |
|                        |       |        | York                             |            |       |      |
| 309                    | 36    |        | Youngstown-Warren, OH, MSA       | 9320       | 39    |      |
|                        |       | 015    | Ohio                             |            |       | 029  |
|                        |       | 050    | Columbiana                       |            |       | 099  |
|                        |       | 078    | Mahoning                         |            |       | 155  |
|                        |       |        | Trumbull                         |            |       |      |
| 310                    | 05    |        | Yuba City, CA, MSA               | 9340       | 06    |      |
|                        |       | 051    | California                       |            |       | 101  |
|                        |       | 058    | Sutter                           |            |       | 115  |
|                        |       |        | Yuba                             |            |       |      |
| 311                    | 03    |        | Yuma, AZ, MSA                    | 9360       | 04    |      |
|                        |       | 015    | Arizona                          |            |       | 027  |
|                        |       |        | Yuma                             |            |       |      |

List of Primary Metropolitan Statistical Areas  
and their Component Counties  
For the United States and Puerto Rico

United States  
Puerto Rico

| Vital Statistics Codes |       |        |   |       | FIPS Codes |
|------------------------|-------|--------|---|-------|------------|
| P/MSA                  | State | County | P/MSA Name and County Components          | P/MSA | State Cnty |
| 001                    | 52    |        | Aguadilla, PR, MSA<br>Puerto Rico         | 0060  | 72         |
|                        |       | 002    | Aguada                                    |       | 003        |
|                        |       | 003    | Aguadilla                                 |       | 005        |
|                        |       | 051    | Moca                                      |       | 099        |
| 002                    | 52    |        | Arecibo, PR, PMSA<br>Puerto Rico          | 0470  | 72         |
|                        |       | 007    | Arecibo                                   |       | 013        |
|                        |       | 014    | Camuy                                     |       | 027        |
|                        |       | 034    | Hatillo                                   |       | 065        |
| 003                    | 52    |        | Caguas, PR, PMSA<br>Puerto Rico           | 1310  | 72         |
|                        |       | 013    | Caguas                                    |       | 025        |
|                        |       | 018    | Cayey                                     |       | 035        |
|                        |       | 021    | Cidra                                     |       | 041        |
|                        |       | 033    | Gurabo                                    |       | 063        |
|                        |       | 066    | San Lorenzo                               |       | 129        |
| 004                    | 52    |        | Mauaguez, PR, MSA<br>Puerto Rico          | 4840  | 72         |
|                        |       | 006    | Anasco                                    |       | 011        |
|                        |       | 012    | Cabo Rojo                                 |       | 023        |
|                        |       | 035    | Hormigueros                               |       | 067        |
|                        |       | 050    | Mayaguez                                  |       | 097        |
|                        |       | 062    | Sabana Grande                             |       | 121        |
|                        |       | 064    | San German                                |       | 125        |
| 005                    | 52    |        | Ponce, PR, MSA<br>Puerto Rico             | 6360  | 72         |
|                        |       | 031    | Guayanilla                                |       | 059        |
|                        |       | 039    | Juana Diaz                                |       | 075        |
|                        |       | 057    | Penuelas                                  |       | 111        |
|                        |       | 058    | Ponce                                     |       | 113        |
|                        |       | 076    | Villalba                                  |       | 149        |
|                        |       | 078    | Yauco                                     |       | 153        |
| 006                    | 52    |        | San Juan-Bayamon, PR, PMSA<br>Puerto Rico | 7440  | 72         |
|                        |       | 004    | Aguas Buenas                              |       | 007        |
|                        |       | 009    | Barceloneta                               |       | 017        |
|                        |       | 011    | Bayamon                                   |       | 021        |
|                        |       | 015    | Canovanas                                 |       | 029        |
|                        |       | 016    | Carolina                                  |       | 031        |
|                        |       | 017    | Catano                                    |       | 033        |
|                        |       | 019    | Ceiba                                     |       | 037        |
|                        |       | 023    | Comerio                                   |       | 045        |
|                        |       | 024    | Corozal                                   |       | 047        |
|                        |       | 026    | Dorado                                    |       | 051        |
|                        |       | 027    | Fajardo                                   |       | 053        |
|                        |       | 028    | Florida                                   |       | 054        |
|                        |       | 032    | Guaynabo                                  |       | 061        |
|                        |       | 036    | Humacao                                   |       | 069        |
|                        |       | 040    | Juncos                                    |       | 077        |
|                        |       | 044    | Las Piedras                               |       | 085        |
|                        |       | 045    | Loiza                                     |       | 087        |
|                        |       | 046    | Luquillo                                  |       | 089        |
|                        |       | 047    | Manati                                    |       | 091        |
|                        |       | 052    | Morovis                                   |       | 101        |
|                        |       | 053    | Naguabo                                   |       | 103        |
|                        |       | 054    | Naranjito                                 |       | 105        |
|                        |       | 061    | Rio Grande                                |       | 119        |
|                        |       | 065    | San Juan                                  |       | 127        |
|                        |       | 069    | Toa Alta                                  |       | 135        |
|                        |       | 070    | Toa Baja                                  |       | 137        |
|                        |       | 071    | Trujillo Alto                             |       | 139        |
|                        |       | 073    | Vega Alta                                 |       | 143        |
|                        |       | 074    | Vega Baja                                 |       | 145        |
|                        |       | 077    | Yabucoa                                   |       | 151        |

**TECHNICAL APPENDIX FROM**

**VITAL STATISTICS OF  
THE UNITED STATES**

**1999**

**NATALITY**

**U.S. DEPARTMENT OF  
HEALTH AND HUMAN SERVICES**

**CENTERS FOR DISEASE CONTROL AND PREVENTION  
NATIONAL CENTER FOR HEALTH STATISTICS**

**Hyattsville, Maryland: March 2001**



**VITAL STATISTICS OF THE UNITED STATES: NATALITY, 1999**  
**TECHNICAL APPENDIX**

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A copy of the technical appendix may be obtained by contacting the National Center for Health Statistics, Reproductive Statistics Branch at 301-458-4111.

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For a list of reports published by the National Center for Health  
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**Introduction**

## **VITAL STATISTICS OF THE UNITED STATES: NATALITY, 1999 TECHNICAL APPENDIX**

This document provides detailed information on the variables and the quality and completeness of the data on the public-use file for 1999 births, published by the Centers for Disease Control and Prevention's National Center for Health Statistics (1). This report supplements the Technical notes of "Births: Final Data for 1999" (2) and provides a thorough discussion of the definitions, coding, quality and completeness of the 1999 birth data (1). In addition, this report is recommended for use with the public-use file for 1999 births, available on CD-ROM from the National Center for Health Statistics, and the tabulated data of "Vital Statistics of the United States, 1999, Volume I, Natality" (in preparation).

### **Definition of live birth**

Every product of conception that gives a sign of life after birth, regardless of the length of the pregnancy, is considered a live birth. This concept is included in the definition set forth by the World Health Organization in 1950 and revised in 1988 by a working group formed by the American Academy of Pediatrics and the American College of Obstetricians and Gynecologists (3,4,5):

Live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered liveborn.

This definition distinguishes in precise terms a live birth from a fetal death (see the section on fetal deaths in the Technical Appendix of volume II, *Vital Statistics of the United States*). In the interest of comparable natality statistics, both the Statistical Commission of the United Nations and the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS) have adopted this definition (6,7).

### **History of birth-registration area**

The national birth-registration area was proposed in 1850 and established in 1915. By 1933 all 48 States and the District of Columbia were participating in the registration system. The organized territories of Hawaii and Alaska were admitted in 1929 and 1950, respectively; data from these areas were prepared separately until they became States--Alaska in 1959 and Hawaii in 1960. Currently the birth-registration system of the United States covers the 50 States, the District of Columbia, the independent registration area of New York City, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands. However, in the statistical tabulations, "United States" refers only to the aggregate of the 50 States (including New York City) and the District of Columbia.

The original birth-registration area of 1915 consisted of 10 States and the District of Columbia. The growth of this area is indicated in table 4-1. This table also presents for each year through 1932 the estimated midyear population of the United States and of those States included in the registration system.

Because of the growth of the area for which data have been collected and tabulated, a national series of geographically comparable data before 1933 can be obtained only by estimation. Annual estimates of births were prepared by P. K. Whelpton for 1909-34 (8). These estimates include adjustments for underregistration and for States that were not part of the birth-registration area before 1933.

### **Sources of data**

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### **Natality statistics**

Since 1985 natality statistics for all States and the District of Columbia have been based on information from the total file of records. The information is received on electronic files of individual records processed by the States and provided to NCHS through the Vital Statistics Cooperative Program. NCHS receives these files from the registration offices of all States, the District of Columbia, and New York City. Information for Puerto Rico and the Virgin Islands is also received through the Vital Statistics Cooperative Program. Information for Guam is obtained from microfilm copies of original birth certificates and is based on the total file of records for all years. Data from American Samoa first became available in 1997. Data from the Commonwealth of the Northern Mariana Islands (referred to as Northern Marianas) first became available in 1998. Similar to data from Guam, the data are obtained from microfilm copies of original birth certificates and are based on the total file of records.

Birth statistics for years prior to 1951 and for 1955 are based on the total file of birth records. Statistics for 1951-54, 1956-66, and 1968-71 are based on 50-percent samples except for data for Guam and the Virgin Islands, which are based on all records filed. During the processing of the 1967 data the sampling rate was reduced from 50 percent to 20 percent. For details of this procedure and its consequences for the 1967 data see pages 3-9 to 3-11 in volume I of *Vital Statistics of the United States*, 1967. From 1972 to 1984 statistics are based on all records filed in the States submitting computer tapes and on a 50-percent sample of records in all other States.

Information for years prior to 1970 for Puerto Rico, the Virgin Islands, and Guam is published in the annual vital statistics reports of the Department of Health of the Commonwealth of Puerto Rico, the Department of Public Health of the Virgin Islands, the Department of Public Health and Social Services of the Government of Guam, and in selected *Vital Statistics of the United States* annual reports.

U.S. natality data are limited to births occurring within the United States, including those occurring to U.S. residents and nonresidents. Births to nonresidents of the United States have been excluded from all tabulations by place of residence beginning in 1970 (for further discussion see "Classification by occurrence and residence"). Births occurring to U.S. citizens outside the United States are not included in any tabulations in this report. Similarly the data for Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Marianas are limited to births registered in these areas.

### **Standard certificate of live birth**

The U.S. Standard Certificate of Live Birth, issued by the Public Health Service, has served for many years as the principal means of attaining uniformity in the content of the documents used to collect information on births in the United States. It has been modified in each State to the extent required by the particular State's needs or by special provisions of the State's vital statistics law. However, most State certificates conform closely in content to the standard certificate.

The first standard certificate of birth was developed in 1900. Since then, it has been revised periodically by the national vital statistics agency through consultation with State health officers and registrars; Federal agencies concerned with vital statistics; national, State, and county medical societies; and others working in public health, social welfare, demography, and insurance. This procedure has assured careful evaluation of each item for its current and future usefulness for legal, medical, demographic, and research purposes. New items have been added when necessary, and old items have been modified to ensure better reporting or, in some cases, dropped when their usefulness appeared to be limited.

*1989 revision*--Effective January 1, 1989, a revised U.S. Standard Certificate of Live Birth (figure 4-A) replaced the 1978 revision. This revision provided a wide variety of new information on maternal and infant health characteristics, representing a significant departure from previous versions in both content and format. The most significant format change was the use of check boxes to obtain detailed medical and health information about the mother and child. It has been demonstrated that this format produces higher quality and more complete information than do open-ended items.

The reformatted items included "Medical Risk Factors for This Pregnancy," which combines the former items "Complications of Pregnancy" and "Concurrent Illnesses or Conditions Affecting the Pregnancy." "Complications

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of Labor and/or Delivery” and “Congenital Anomalies of Child” also have been revised from the open-ended format. For each of these items at least 15 specific conditions have been identified.

Several new items were added to the revised certificate. Included are items to obtain information on tobacco and alcohol use during pregnancy, weight gain during pregnancy, obstetric procedures, method of delivery, and abnormal conditions of the newborn. These items can be used to monitor the health practices of the mother that can affect pregnancy and the use of technology in childbirth, and to identify babies with specific abnormal conditions. When combined with other socioeconomic and health data, these items provide a wealth of information relevant to the etiology of low birth weight and other adverse pregnancy outcomes.

Another modification was the addition of a Hispanic identifier for the mother and father. Although NCHS had recommended that States add items to identify the Hispanic or ethnic origin of the newborn's parents, concurrent with the 1978 revision of the U.S. Standard Certificate of Live Birth and reported data from the cooperating States since that year, the items were new to the U.S. Standard Certificate for 1989.

The 1989 revised certificate also provided more detail than previously requested on the birth attendant and place of birth. This permits a more in-depth analysis of the number and characteristics of births by attendant and type of facility and a comparison of differences in outcome. For further discussion see individual sections for each item.

### **Classification of data**

One of the principal values of vital statistics data is realized through the presentation of rates that are computed by relating the vital events of a class to the population of a similarly defined class. Vital statistics and population statistics, therefore, must be classified according to similarly defined systems and tabulated in comparable groups. Even when the variables common to both, such as geographic area, age, race, and sex, have been similarly classified and tabulated, differences between the enumeration method of obtaining population data and the registration method of obtaining vital statistics data may result in significant discrepancies.

The general rules used to classify geographic and personal items for live births are set forth in “Vital Statistics Classification and Coding Instructions for Live Birth Records, 1999,” *NCHS Instruction Manual*, Part 3a (9). This material is incorporated in the basic file layout on the CD-ROM. The instruction materials are for States to use in coding the data items; they do not include any NCHS recodes. So, the file layout is a better source of information, since it provides the exact codes and recodes that are available. The classification of certain important items is discussed in the following pages. See table A for a listing of items and the percent of records that were not stated for each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Marianas.

### **Classification by occurrence and residence**

Births to U.S. residents occurring outside this country are not reallocated to the United States. In tabulations by place of residence, births occurring within the United States to U.S. citizens and to resident aliens are allocated to the usual place of residence of the mother in the United States, as reported on the birth certificate. Beginning in 1970 births to nonresidents of the United States occurring in the United States are excluded from these tabulations. From 1966 to 1969 births occurring in the United States to mothers who were nonresidents of the United States were considered as births to residents of the exact place of occurrence; in 1964 and 1965 all such births were allocated to “balance of county” of occurrence even if the birth occurred in a city. The change in coding beginning in 1970 to exclude births to nonresidents of the United States from residence data significantly affects the comparability of data with years before 1970 only for Texas.

For the total United States the tabulations by place of residence and by place of occurrence are not identical. Births to nonresidents of the United States are included in data by place of occurrence but excluded from data by place of residence, as previously indicated. See table B for the number of births by residence and occurrence for the 50 States and the District of Columbia for 1999.



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*Residence error*--A nationwide test of birth-registration completeness in 1950 provided measures of residence error for natality statistics. According to this test, errors in residence reporting for the country as a whole tend to overstate the number of births to residents of urban areas and to understate the number of births to residents of other areas. This tendency has assumed special importance because of a concomitant development--the increased utilization of hospitals in cities by residents of nearby places--with the result that a number of births are erroneously reported as having occurred to residents of urban areas. Another factor that contributes to this overstatement of urban births is the customary practice of using "city" addresses for persons living outside the city limits. Residence error should be taken into consideration in interpreting data for small areas and for cities. Both birth and infant mortality patterns can be affected.

*Incomplete residence*--Beginning in 1973 where only the State of residence is reported with no city or county specified and the State named is different from the State of occurrence, the birth is allocated to the largest city of the State of residence. Before 1973 such births were allocated to the exact place of occurrence.

### Geographic classification

The rules followed in the classification of geographic areas for live births are contained in the instruction manual mentioned previously. The geographic code structure for 1999 is given in another manual, "Vital Records Geographic Classification, 1995," *NCHS Instruction Manual*, Part 8 is included with the documentation file on CD-ROM (1). The geographic code structure in use is based on results of the 1990 Census of Population.

*United States*--In the statistical tabulations, "United States" refers only to the aggregate of the 50 States and the District of Columbia. Alaska has been included in the U.S. tabulations since 1959 and Hawaii since 1960.

*Metropolitan statistical areas*--The metropolitan statistical areas and primary metropolitan statistical areas (MSA's and PMSA's) used in this report are those established by the U.S. Office of Management and Budget as of April 1, 1990, and used by the U.S. Bureau of the Census (10) except in the New England States.

Except in the New England States, an MSA has either a city with a population of at least 50,000, or a Bureau of the Census urbanized area of at least 50,000 and a total MSA population of at least 100,000. A PMSA consists of a large urbanized county, or cluster of counties, that demonstrates very strong internal economic and social links and has a population over 1 million. When PMSA's are defined, the large area of which they are component parts is designated a Consolidated Metropolitan Statistical Area (CMSA) (11).

In the New England States the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of MSA's and PMSA's. NCHS cannot, however, use this classification for these States because its data are not coded to identify all towns. Instead, the New England County Metropolitan Areas (NECMA's) are used. These areas are established by the U.S. Office of Management and Budget (12) and are made up of county units.

*Metropolitan and nonmetropolitan counties*--Independent cities and counties included in MSA's and PMSA's or NECMA's are included in data for metropolitan counties; all other counties are classified as nonmetropolitan.

*Population-size groups*--Beginning in 1994 vital statistics data for cities and certain other urban places have been classified according to the population enumerated in the 1990 Census of Population. Data are available for individual cities and other urban places of 100,000 or more population. Data for the remaining areas not separately identified are shown in the tables under the heading "Balance of area" or "Balance of county." Classification of areas for 1982-93 was determined by the population enumerated in the 1980 Census of Population. As a result of changes in the enumerated population between 1980 and 1990, some urban places identified in previous reports are no longer included, and a number of other urban places have been added.

Urban places other than incorporated cities for which vital statistics data are shown in the tabulated data in "Vital Statistics of the United States, Natality" include the following:

- C Each town in New England, New York, and Wisconsin and each township in Michigan, New Jersey, and Pennsylvania that had no incorporated municipality as a subdivision and had either 25,000 inhabitants or more,

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or a population of 10,000 to 25,000 and a density of 1,000 persons or more per square mile.

- C Each county in States other than those indicated above that had no incorporated municipality within its boundary and had a density of 1,000 persons or more per square mile. (Arlington County, Virginia, is the only county classified as urban under this rule.)
- C Each place in Hawaii with 10,000 or more population. (There are no incorporated cities in Hawaii.)

Places of less than 100,000 population are not separately identified on the public-use file because of confidentiality limitations.

**Race or national origin**

Beginning with the 1989 data year, birth data are tabulated primarily by race of mother. In 1988 and prior years the race or national origin shown in tabulations was that of the newborn child. The race of the child was determined for statistical purposes by an algorithm based on the race of the mother and father as reported on the birth certificate. When the parents were of the same race, the race of the child was the same as the race of the parents. When the parents were of different races and one parent was white, the child was assigned to the race of the other parent. When the parents were of different races and neither parent was white, the child was assigned to the race of the father, with one exception--if either parent was Hawaiian, the child was assigned to Hawaiian. If race was missing for one parent, the child was assigned the race of the parent for whom it was reported. When information on race was missing for both parents, the race of the child was considered not stated and the birth was allocated according to rules discussed on page 4 of the Technical Appendix, volume I, *Vital Statistics of the United States*, 1988. In 1989 the criteria for reporting the race of the parents did not change and continues to reflect the response of the informant (usually the mother). Beginning with the 1992 issue of *Vital Statistics of the United States, Volume I, Natality*, trend data for years beginning with 1980 have been retabulated by race of mother.

The most important factor influencing the decision to tabulate births by race of the mother was the decennial revision of the U.S. Standard Certificate of Live Birth in 1989. This revision included many more health questions that are directly associated with the mother, including alcohol and tobacco use, weight gain during pregnancy, medical risk factors, obstetric procedures, complications of labor and/or delivery, and method of delivery. Additionally, many of the other items that have been on the birth certificate for more than two decades also relate directly to the mother, for example, marital status, education level, and receipt of prenatal care. It is more appropriate to use the race of the mother than the race of the child in tabulating these items.

A second factor has been the increasing incidence of interracial parentage. When race is aggregated into the four categories mandated in 1977 by the Office of Management and Budget, the proportion of children born to parents of different races is 5.1 percent, more than double the percent in 1977 (2.0 percent). More than half of these births were to white mothers and fathers of another race (55 percent in 1999). There have been two major consequences of the increasing interracial parentage. One is the effect on birth rates by race. The number of white births under the former procedures has been arbitrarily limited to infants whose parents were both white (or one parent if the race of only one parent was reported). At the same time, the number of births of other races has been arbitrarily increased to include all births to white mothers and fathers of other races. Thus, prior to 1989, if race of mother had been used, birth rates per 1,000 white women in a given age group would have been higher, while comparable rates for black women and women of other races would have been lower. The other consequence of increasing interracial parentage is the impact on the racial differential in various characteristics of births, particularly in cases where there is generally a large racial disparity, such as the incidence of low birthweight. In this instance, the racial differential is larger when the data are tabulated by race of mother rather than by race of child. The same effect has been noted for characteristics such as nonmarital childbearing, preterm births, late or no prenatal care, and low educational attainment of mother.

The third factor influencing the change is the growing proportion of births with race of father not stated, 14 percent in 1999. Although this proportion has stabilized and declined slightly in the 1990's, it is still higher than in 1979, 11 percent. The high proportion of records with the father's race not reported reflects the increase in the

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proportion of births to unmarried women; in many cases no information is reported on the father. These births were already assigned the race of the mother because there is no alternative. Tabulating births by race of mother provides a more uniform approach, rather than a necessarily arbitrary combination of parental races.

The change in the tabulation of births by race presents some problems when analyzing birth data by race, particularly trend data. The problem is likely to be acute for races other than white and black.

The categories for race or national origin are "White," "Black," "American Indian" (including Aleuts and Eskimos), "Chinese," "Japanese," "Hawaiian," "Filipino," and "Other Asian or Pacific Islander" (including Asian Indian). Before 1992 there was also an "other" category, which is now combined with the "Not stated" category. Before 1978 the category "Other Asian or Pacific Islander" was not identified separately but included with "Other" races. The separation of this category from "other" allows identification of the category "Asian or Pacific Islander" by combining the new category "Other Asian or Pacific Islander" with Chinese, Japanese, Hawaiian, and Filipino.

Beginning in 1992, NCHS contracted with seven States with the highest API populations to code births to additional API subgroups. The API subgroups include births to Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and other API women. The seven States included in this reporting area are: California, Hawaii, Illinois, New Jersey, New York, Texas, and Washington. At least two-thirds of the U.S. population of each of these additional API groups lived in the seven-State reporting area (13). The data are available on the detailed natality tapes and CD-ROMs beginning with the 1992 data year. An analytic report based on the 1992 data year is also available upon request (14). Minnesota began reporting additional API subgroups in 1996 and Virginia began reporting in 1998. Missouri and West Virginia started reporting in 1999 for a total of 11 reporting states.

The category "White" comprises births reported as white and births where race, as distinguished from Hispanic origin, is reported as Hispanic. Before 1964 all births for which race or national origin was not stated were classified as white. Beginning in 1964 changes in the procedures for allocating race when race or national origin is not stated have changed the composition of this category. (See discussion on "Race or national origin not stated.")

If the race or national origin of an Asian parent is ill-defined or not clearly identifiable with one of the categories used in the classification (for example, if "Oriental" is entered), an attempt is made to determine the specific race or national origin from the entry for place of birth. If the birthplace is China, Japan, or the Philippines, the race of the parent is assigned to that category. When race cannot be determined from birthplace, it is assigned to the category "Other Asian or Pacific Islander."

*Race or national origin not stated*--If the race of the mother is not defined or not identifiable with one of the categories used in the classification (0.6 percent of births in 1999) and the race of the father is known, the race of the father is assigned to the mother. Where information for both parents is missing, the race of the mother is allocated electronically according to the specific race of the mother on the preceding record with a known race of mother. Data for both parents were missing for only 0.4 percent of birth certificates for 1999. Nearly all statistics by race or national origin for the United States as a whole in 1962 and 1963 are affected by a lack of information for New Jersey, which did not report the race of the parents in those years. Birth rates by race for those years are computed on a population base that excluded New Jersey. For the method of estimating the U.S. population by age, sex, and race excluding New Jersey in 1962 and 1963, see page 4-8 in the Technical Appendix of volume I, *Vital Statistics of the United States*, 1963.

### **Age of mother**

Beginning in 1989 an item on the birth certificate asks for "Date of Birth." In previous years, "Age (at time of this birth)" was requested. Not all States revised this item and therefore the age of mother either is derived from the reported month and year of birth or coded as stated on the certificate. In 1999, the mother's age was reported directly by five States ( Kentucky, Nevada, North Dakota, Virginia, and Wyoming) and American Samoa. From 1964 to 1996, the age of mother was edited for 10-49 years. When the age of mother was computed to be under 10 years or 50 years or over, it was considered not stated and was assigned as described below. Beginning in 1997, age of mother is edited for ages 10-54 years. When the age of mother is computed to be under 10 years or 55 years or

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over, it is considered not stated and was assigned as described below. A review and verification of unedited birth data for 1996 showed that the vast majority of births reported as occurring to women aged 50 years and older were to women aged 50-54 years. The number of births to women 50-54 years is too small for computing age-specific birth rates. These births have been included with births to women 45-49 for computing birth rates.

Age-specific birth rates are based on populations of women by age, prepared by the U.S. Bureau of the Census. In census years the decennial census counts are used. In intercensal years, estimates of the population of women by age are published by the U.S. Bureau of the Census in *Current Population Reports*.

The 1990 Census of Population derived age in completed years as of April 1, 1990, from the responses to questions on age at last birthday and month and year of birth, with the latter given preference. In the 1960, 1970, and the 1980 Census of Population, age was also derived from month and year of birth. "Age in completed years" was asked in censuses before 1960. This was nearly the equivalent of the former birth certificate question, which the 1950 test of matched birth and census records confirms by showing a high degree of consistency in reporting age in these two sources (15). More recently, reporting of maternal age on the birth certificate was compared with reporting of age in a survey of women who had recently given birth. Reporting of age was very consistent between the two sources (16).

*Median age of mother*--Median age is the value that divides an age distribution into two equal parts, one-half of the values being less and one-half being greater. Median ages of mothers for 1960 to the present have been computed from birth rates for 5-year age groups rather than from birth frequencies. This method eliminates the effects of changes in the age composition of the childbearing population over time. Changes in the median ages from year to year can thus be attributed solely to changes in the age-specific birth rates. Trend data on the median age is shown in table 1-5 of "Vital Statistics of the United States, volume 1, natality (at <http://www.cdc.gov/nchs/datawh/statab/unpubd/natality/natab97.htm>).

*Not stated date of birth of mother*-- In 1999, age of mother was not reported on 0.02% of the records. Beginning in 1964 birth records with date of birth of mother and/or age of mother not stated have had age imputed according to the age of mother from the previous birth record of the same race and total-birth order (total of fetal deaths and live births). (See "Computer Edits for Natality Data, Effective 1993" NCHS Instruction Manual, Part 12, page 9; available on request from the Division of Vital Statistics.) In 1963 birth records with age not stated were allocated according to the age appearing on the record previously processed for a mother of identical race and parity (number of live births). For 1960-62 not stated ages were distributed in proportion to the known ages for each racial group. Before 1960 this was done for age-specific birth rates but not for the birth frequency tables, which showed a separate category for age not stated.

### **Age of father**

Age of father is derived from the reported date of birth or coded as stated on the birth certificate. If the age is under 10 years, it is considered not stated and grouped with those cases for which age is not stated on the certificate. Information on age of father is often missing on birth certificates of children born to unmarried mothers, greatly inflating the number of "not stated" in all tabulations by age of father. In computing birth rates by age of father, births tabulated as age of father not stated are distributed in the same proportions as births with known age within each 5-year-age classification of the mother. This procedure is followed because, while father's age is missing in 14 percent of the birth certificates in 1999, one third of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. Births with age of father not stated are distributed only for rates and means, not for frequency tabulations (2).

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### **Live-birth order and parity**

Live-birth order and parity classifications refer to the total number of live births the mother has had including the 1999 birth. Fetal deaths are excluded.

Live-birth order indicates what number the present birth represents; for example, a baby born to a mother who has had two previous live births (even if one or both are not now living) has a live-birth order of three. Parity indicates how many live births a mother has had. Before delivery a mother having her first baby has a parity of zero and a mother having her third baby has a parity of two. After delivery the mother of a baby who is a first live birth has a parity of one and the mother of a baby who is a third live birth has a parity of three.

Live-birth order and parity are determined from two items on the birth certificate, "Live births now living" and "Live births now dead."

*Not stated birth order*--Before 1969 if both of these items were blank, the birth was considered a first birth. Beginning in 1969, births for which the pregnancy history items were not completed have been tabulated as live-birth order not stated. As a result of this revised procedure, 22,686 births in 1969 that would have been assigned to the "First birth order" category under the old rules were assigned to the "Not stated" category.

All births tabulated in the "Not stated birth order" category are excluded from the computation of percents. In computing birth rates by live-birth order, births tabulated as birth order not stated are distributed in the same proportion as births of known live-birth order.

### **Date of last live birth**

The date of last live birth was added to the U.S. Standard Certificate of Live Birth in 1968 for the purpose of providing information on child spacing. The interval since the last live birth is the difference between the date of last live birth and the date of present birth.

Beginning in 1995, NCHS ceased to collect information on the date of last live birth and thus the information on interval is only available from birth certificate data from 1968-94.

### **Educational attainment**

Data on the educational attainment of both parents were collected beginning in 1968 and tabulated for publication in 1969 for the first time. Data on educational attainment is currently available only for the mother. Beginning in 1995, NCHS ceased to collect information on the educational attainment of the father and thus the information is available from birth certificate data only for 1969-94.

The educational attainment of the mother is defined as "the number of years of school completed." Only those years completed in "regular" schools are counted, that is, a formal educational system of public schools or the equivalent in accredited private or parochial schools. Business or trade schools, such as beauty and barber schools, are not considered "regular" schools for the purposes of this item. No attempt has been made to convert years of school completed in foreign school systems, ungraded school systems, and so forth, to equivalent grades in the American school system. Such entries are included in the category "not stated."

Women who have completed only a partial year in high school or college are tabulated as having completed the highest preceding grade. For those certificates on which a specific degree is stated, years of school completed is coded to the level at which the degree is most commonly attained; for example, women reporting B.A., A.B., or B.S. degrees are considered to have completed 16 years of school.

*Education not stated*--The category "Not stated" includes all records in reporting areas for which there is no information on years of school completed as well as all records for which the information provided is not compatible with coding specifications.

Births tabulated as education not stated are excluded from the computations of percents.

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### **Marital status**

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994 through 1996, birth certificates in 45 states and the District of Columbia included a question about the mother's marital status. Beginning in 1997, the marital status of women giving birth in California and Nevada is determined by a direct question in the birth registration process. Beginning June 15, 1998, Connecticut discontinued inferring the mother's marital status and added a direct question on mother's marital status to the State's birth certificate.

In the two States (Michigan and New York) which used inferential procedures to compile birth statistics by marital status in 1999, a birth is inferred as nonmarital if either of these factors is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of States have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment therefore is the most reliable indicator that the birth is nonmarital in the States not reporting this information directly; this is now the key indicator in the nonreporting States. The inferential procedures in current use represent a substantial departure from the method used before 1980 as well as those used during the 1980's to prepare national estimates of births to unmarried women, before 1980 the incidence of births to unmarried women in States with no direct question on marital status was assumed to be the same as the incidence in reporting States in the same geographic division (17). Inferential procedures in use during the 1980's relied heavily on a comparison of the surnames of the parents and the child to infer the mother's marital status. The procedures now in use depend, as noted above, on very reliable indicators, namely a paternity affidavit or missing information on the father.

The procedures for reporting marital status in California, Nevada, New York City changed beginning January 1, 1997. The methods used to determine marital status and the impact of the procedures on the data were discussed in detail in a previous report (17).

The use of inferential marital status data together with information from a direct question represents an attempt to use related information on the birth certificate to improve the quality of national data as well as to provide data for the individual nonreporting States. An evaluation of this method and its validity for California (the largest nonreporting State until 1997) has been published (18). Because of the continued substantial increases in nonmarital childbearing throughout the 1980's, the data have been intensively evaluated by the Division of Vital Statistics, NCHS (17).

The mother's marital status was not reported in 1999 on 0.03 percent of the birth records in States reporting this information from a direct question. Marital status was imputed as "married" for these records.

When births to unmarried women are reported as second or higher order births, it is not known whether the mother was married or unmarried when the previous deliveries occurred, because her marital status at the time of these earlier births is not available from the birth record.

Rates for 1940 and 1950 are based on decennial census counts. Rates for 1955-97 are based on a smoothed series of population estimates (17,19). Because of sampling error, the original U.S. Bureau of the Census population estimates by marital status fluctuate erratically from year to year; therefore, they have been smoothed so that the rates do not show similar variations. These rates differ from those published in volumes of *Vital Statistics of the United States* before 1969, which were based on the original estimates provided annually by the U.S. Bureau of the Census. Birth rates by marital status for 1971-79 have been revised and differ from rates published before 1980 in volumes of *Vital Statistics of the United States* (see "Computation of rates and other measures").

### **Place of delivery and attendant at birth**

The 1989 revision of the U.S. Standard Certificate of Live Birth included separate categories for freestanding birthing centers, the mother's residence, and clinic or doctor's office as the place of birth. Prior to 1989, place of birth was classified simply as either "In hospital" or "Not in hospital." Births occurring in hospitals, institutions, clinics, centers, or homes were included in the category "In hospital." In this context the word "homes" does not refer to the mother's residence but to an institution, such as a home for unmarried women. Birthing centers were

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included in either category, depending on each State's assessment of the facility. Beginning in 1989 births occurring in clinics and in birthing centers not attached to a hospital are classified as "Not in hospital." This change in classification may account in part for the lower proportion of "In hospital" births compared with previous years. (The change in classification of clinics should have minor impact because comparatively few births occur in these facilities, but the effect of any change in classification of freestanding birthing centers is unknown.)

Beginning in 1975 the attendant at birth and place of delivery items were coded independently, primarily to permit the identification of the person in attendance at hospital deliveries. The 1989 certificate includes separate classifications for doctor of medicine (MD), doctor of osteopathy (DO), certified nurse midwife (CNM), other midwife, and other attendants. In earlier certificates births attended by certified nurse midwives were grouped with those attended by lay midwives. The 1989 certificate also facilitated the identification of home births, births in freestanding birthing centers, and births in clinics or physician offices.

Data for the "In hospital" category for 1975-88 include all births in clinics or maternity centers, regardless of the attendant. Data for 1975-77 published before 1980 included clinic and center births in the category "In hospital" only when the attendant was a physician. Therefore, data shown for 1975-77 published after 1980 differ from data published before 1980. As a result of this change, for 1975 an additional 12,352 births were classified as occurring in hospitals, raising the percent of births occurring in hospitals from 98.7 to 99.1. Similarly, for 1976 the number of births occurring in hospitals increased by 14,133 and the percent in hospitals raised from 98.6 to 99.1; for 1977 the increase is 15,937 and the percent in hospitals raised from 98.5 to 99.0. For 1974 and earlier the "In hospital" category includes all births in hospitals or institutions and births in clinics, centers, or maternity homes only when attended by physicians.

The "Not in hospital" category includes births for which no information is reported on place of birth. Before 1975 births for which the stated place of birth was a "doctor's office" and delivery was by a physician were included in the category "In hospital." Beginning in 1975 these births were tabulated as "Not in hospital" and included with births delivered by physicians in this category. Although the actual number of such births is unknown, the effect of the change is minimal. In 1974, 0.3 percent of all births were delivered by physicians outside of hospitals; in 1975 this proportion was 0.4 percent.

Babies born on the way to or on arrival at the hospital are classified as having been born in the hospital. This may account for some of the hospital births not delivered by physicians or midwives.

Beginning in 1993, all in-hospital births occurring in Illinois where the attendant was classified as an "other" midwife were changed to certified nurse-midwife. This was necessary because almost all of these births were delivered by midwives certified by the American College of Nurse Midwives but because Illinois does not certify midwives, many of these births were classified as "other" midwives.

Procedures in some hospitals may require that a physician be listed as the attendant for every birth and that a physician sign each birth certificate, even if the birth is attended by a midwife and no physician is physically present. Therefore, the number of live births attended by midwives may be understated in some areas.

### **Birthweight**

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. The categories for birthweight were changed in 1979 to be consistent with the recommendations in the *Ninth Revision of the International Classification of Diseases (ICD-9)* and remain the same for the Tenth Revision of the International Classification of Diseases (ICD-10) (4). The categories in gram intervals and their equivalents in pounds and ounces are as follows:

Less than 500 grams = 1 lb 1 oz or less

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500-999 grams = 1 lb 2 oz-2 lb 3 oz  
1,000-1,499 grams = 2 lb 4 oz-3 lb 4 oz  
1,500-1,999 grams = 3 lb 5 oz-4 lb 6 oz  
2,000-2,499 grams = 4 lb 7 oz-5 lb 8 oz  
2,500-2,999 grams = 5 lb 9 oz-6 lb 9 oz  
3,000-3,499 grams = 6 lb 10 oz-7 lb 11 oz  
3,500-3,999 grams = 7 lb 12 oz-8 lb 13 oz  
4,000-4,499 grams = 8 lb 14 oz-9 lb 14 oz  
4,500-4,999 grams = 9 lb 15 oz-11 lb 0 oz  
5,000 grams or more = 11 lb 1 oz or more

The ICD-9 defines low birthweight as less than 2,500 grams. This is a shift of 1 gram from the previous criterion of 2,500 grams or less, which was recommended by the American Academy of Pediatrics in 1935 and adopted in 1948 by the World Health Organization in the *Sixth Revision of the International Lists of Diseases and Causes of Death*.

After data classified by pounds and ounces are converted to grams, median weights are computed and rounded before publication. To establish the continuity of class intervals needed to convert pounds and ounces to grams, the end points of these intervals are assumed to be half an ounce less at the lower end and half an ounce more at the upper end. For example, 2 lb 4 oz-3 lb 4 oz is interpreted as 2 lb 3 ½ oz-3 lb 4 ½ oz.

Births for which birthweight is not reported are excluded from the computation of percents and medians.

### Period of gestation

The period of gestation is defined as beginning with the first day of the last normal menstrual period (LMP) and ending with the day of the birth. The LMP is used as the initial date because it can be more accurately determined than the date of conception, which usually occurs 2 weeks after the LMP.

Births occurring before 37 completed weeks of gestation are considered to be “preterm” or “premature” for purposes of classification. At 37-41 weeks gestation, births are considered to be “term,” and at 42 completed weeks and over, “postterm.” These distinctions are according to the ICD-9 and ICD-10 (4) definitions.

The 1989 revision of the U.S. Standard Certificate of Live Birth included a new item, “clinical estimate of gestation,” that is being compared with length of gestation computed from the LMP date when the latter appears to be inconsistent with birthweight. This is done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The clinical estimate also was used if the date of the LMP was not reported. The period of gestation for 5.1 percent of the births in 1999 was based on the clinical estimate of gestation. For 97 percent of these records the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent the clinical estimate was used because it was compatible with the reported birth weight, whereas the LMP-computed gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used if it was within 5 weeks of the clinical estimate and birth weight was reclassified as “not stated.” This was necessary for 336 births, less than 0.01 percent of all birth records in 1999. If the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, gestation and birthweight were classified as “not stated” if the LMP-computed gestation was not within 5 weeks of the clinical estimate. These changes result in only a very small discontinuity in the data.

Before 1981 the period of gestation was computed only when there was a valid month, day, and year of LMP. However, length of gestation could not be determined from a substantial number of live-birth certificates each year because the day of LMP was missing. Beginning in 1981 weeks of gestation have been imputed for records with missing day of LMP when there is a valid month and year. Each such record is assigned the gestational period in weeks of the preceding record that has a complete LMP date with the same computed months of gestation and the same 500-gram birthweight interval. The effect of the imputation procedure is to increase slightly the proportion of



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preterm births and to lower the proportion of births at 39, 40, 41, and 42 weeks of gestation. A more complete discussion of this procedure and its implications is presented in a previous report (20).

Because of postconception bleeding or menstrual irregularities, the presumed date of LMP may be in error. In these instances the computed gestational period may be longer or shorter than the true gestational period, but the extent of such errors is unknown.

### **Month of pregnancy prenatal care began**

For those records in which the name of the month is entered for this item, instead of first, second, third, and so forth, the month of pregnancy in which prenatal care began is determined from the month named and the month last normal menses began. For these births, if the item "Date last normal menses began" is not stated, the month of pregnancy in which prenatal care began is tabulated as not stated.

### **Number of prenatal visits**

Tabulations of the number of prenatal visits were presented for the first time in 1972. Beginning in 1989 these data were collected from the birth certificates of all States. Percent distributions and the median number of prenatal visits exclude births to mothers who had no prenatal care.

### **Apgar score**

The 1- and 5-minute Apgar scores were added to the U.S. Standard Certificate of Live Birth in 1978 to evaluate the condition of the newborn infant at 1 and 5 minutes after birth. The Apgar score is a useful measure of the need for resuscitation and a predictor of the infant's chances of surviving the first year of life. It is a summary measure of the infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these factors is given a score of 0, 1, or 2; the sum of these 5 values is the Apgar score, which ranges from 0 to 10. A score of 10 is optimum, and a low score raises some doubts about the survival and subsequent health of the infant. Beginning in 1995, NCHS only collected information on the 5-minute Apgar score. Since 1991, the reporting area for the 5-minute Apgar score has been comprised of 48 States and the District of Columbia, accounting for 78 percent of all births in the United States in 1999. California and Texas did not have information on Apgar scores on their birth certificate.

### **Tobacco and alcohol use during pregnancy**

The checkbox format allows for classification of a mother as a smoker or drinker during pregnancy and for reporting the average number of cigarettes smoked per day or drinks consumed per week. When smoking and/or drinking status is not reported or is inconsistent with the quantity of cigarettes or drinks reported, the status is changed to be consistent with the amount reported. For example, if the drinking status is reported as "no" but one or more average drinks a week are reported, the mother is classified as a drinker. If the number of cigarettes smoked per day is reported as one or more, the mother is considered a smoker. When one (or a fraction of one) drink a week is recorded, the mother is classified as a drinker. For records on which the number of drinks or number of cigarettes is reported as a span, for example, 10-15, the lower number is used. The number of drinkers and number of drinks reported on birth certificates are believed to underestimate actual alcohol use.

For 1999, information on number of cigarettes smoked per day was reported in a consistent manner for 46 States, the District of Columbia, and New York City (figure 4-A). Indiana and New York State (except for New York City) reported this information but in a format that was inconsistent with the NCHS standards. This reporting area accounted for 87 percent of all births in the U.S. in 1999. Information was not available for California and South Dakota.

### **Weight gained during pregnancy**

Weight gain is reported in pounds. A loss of weight is reported as zero gain. Computations of median weight

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gain were based on ungrouped data. This item was included on the certificates of 49 States and the District of Columbia; California did not report this information. This reporting area excluding California accounted for 87 percent of all births in the United States in 1999.

### **Medical risk factors for this pregnancy**

An item on medical risk factors was included on the 1989 birth certificate, but 2 States did not report all of the 16 risk factors in 1999. Texas did not report genital herpes or uterine bleeding, and Kansas did not report Rh sensitization.

The format allows for the designation of more than one risk factor and includes a choice of "None." Accordingly, if the item is not completed, it is classified as "Not stated."

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the Association for Vital Records and Health Statistics (21).

### **Definitions of medical terms:**

*Anemia*--Hemoglobin level of less than 10.0 g/dL during pregnancy or a hematocrit of less than 30 percent during pregnancy.

*Cardiac disease*--Disease of the heart.

*Acute or chronic lung disease*--Disease of the lungs during pregnancy.

*Diabetes*--Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.

*Genital herpes*--Infection of the skin of the genital area by herpes simplex virus.

*Hydramnios/oligohydramnios*--Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.

*Hemoglobinopathy*--A blood disorder caused by alteration in the genetically determined molecular structure of hemoglobin (for example, sickle cell anemia).

*Hypertension, chronic*--Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

*Hypertension, pregnancy-associated*--An increase in blood pressure of at least 30 mm Hg systolic or 15 mm Hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.

*Eclampsia*--The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of pre-eclampsia.

*Incompetent cervix*--Characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with prolapse of membranes through the cervix and ballooning of the membranes into the vagina, followed by rupture of membranes and subsequent expulsion of the fetus.

*Previous infant 4,000+ grams*--The birthweight of a previous live-born child was over 4,000 grams (8 lbs 13 oz).

*Previous preterm or small-for-gestational-age infant*--Previous birth of an infant prior to term (before 37 completed weeks of gestation) or of an infant weighing less than the 10th percentile for gestational age using a standard weight-for-age chart.

*Renal disease*--Kidney disease.

*Rh sensitization*--The process or state of becoming sensitized to the Rh factor as when an Rh-negative woman is pregnant with an Rh-positive fetus.

*Uterine bleeding*--Any clinically significant bleeding during the pregnancy, taking into consideration the stage of pregnancy; any second or third trimester bleeding of the uterus prior to the onset of labor.

### **Obstetric procedures**

This item includes six specific obstetric procedures. Birth records with "Obstetric procedures" left blank are

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considered “not stated.” Data on obstetric procedures were reported by all States and the District of Columbia in 1999.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association for Public Health Statistics and Information Systems (NAPHSIS), formerly the Association for Vital Records and Health Statistics (21).

### Definitions of medical terms:

*Amniocentesis*--Surgical transabdominal perforation of the uterus to obtain amniotic fluid to be used in the detection of genetic disorders, fetal abnormalities, and fetal lung maturity.

*Electronic fetal monitoring*--Monitoring with external devices applied to the maternal abdomen or with internal devices with an electrode attached to the fetal scalp and a catheter through the cervix into the uterus, to detect and record fetal heart tones and uterine contractions.

*Induction of labor*--The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.

*Stimulation of labor*--Augmentation of previously established labor by use of oxytocin.

*Tocolysis*--Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and therefore avoid a preterm birth.

*Ultrasound*--Visualization of the fetus and placenta by means of sound waves.

### Complications of labor and/or delivery

The checkbox format allows for the selection of 15 specific complications and for the designation of more than 1 complication where appropriate. A choice of “None” is also included. Accordingly, if the item is not completed, it is classified as “not stated.”

All States and the District of Columbia included this item on their birth certificates in 1999. However, Texas did not report all of the complications. Texas did not report anesthetic complications or fetal distress.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials (21).

### Definitions of medical terms:

*Febrile*--A fever greater than 100 degrees F. or 38 C. occurring during labor and/or delivery.

*Meconium, moderate/heavy*--Meconium consists of undigested debris from swallowed amniotic fluid, various products of secretion, excretion, and shedding by the gastrointestinal tract; moderate to heavy amounts of meconium in the amniotic fluid noted during labor and/or delivery.

*Premature rupture of membranes (more than 12 hours)*--Rupture of the membranes at any time during pregnancy and more than 12 hours before the onset of labor.

*Abruptio placenta*--Premature separation of a normally implanted placenta from the uterus.

*Placenta previa*--Implantation of the placenta over or near the internal opening of the cervix.

*Other excessive bleeding*--The loss of a significant amount of blood from conditions other than abruptio placenta or placenta previa.

*Seizures during labor*--Maternal seizures occurring during labor from any cause.

*Precipitous labor (less than 3 hours)*--Extremely rapid labor and delivery lasting less than 3 hours.

*Prolonged labor (more than 20 hours)*--Abnormally slow progress of labor lasting more than 20 hours.

*Dysfunctional labor*--Failure to progress in a normal pattern of labor.

*Breech/malpresentation*--At birth, the presentation of the fetal buttocks rather than the head, or other malpresentation.

*Cephalopelvic disproportion*--The relationship of the size, presentation, and position of the fetal head to the maternal pelvis prevents dilation of the cervix and/or descent of the fetal head.

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*Cord prolapse*--Premature expulsion of the umbilical cord in labor before the fetus is delivered.

*Anesthetic complications*--Any complication during labor and/or delivery brought on by an anesthetic agent or agents.

*Fetal distress*--Signs indicating fetal hypoxia (deficiency in amount of oxygen reaching fetal tissues).

### Abnormal conditions of the newborn

This item provides information on eight specific abnormal conditions. More than one abnormal condition may be reported for a given birth or "None" may be selected. If the item is not completed it is tabulated as "not stated." This item was included on the birth certificates of all States and the District of Columbia in 1999. However, four areas did not include all conditions. Nebraska and Texas did not report birth injury, New York City did not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more, and Wisconsin did not report fetal alcohol syndrome.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics (21).

### Definitions of medical terms:

*Anemia*--Hemoglobin level of less than 13.0 g/dL or a hematocrit of less than 39 percent.

*Birth injury*--Impairment of the infant's body function or structure due to adverse influences that occurred at birth.

*Fetal alcohol syndrome*--A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

*Hyaline membrane disease/RDS*--A disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

*Meconium aspiration syndrome*--Aspiration of meconium by the fetus or newborn, affecting the lower respiratory system.

*Assisted ventilation (less than 30 minutes)*--A mechanical method of assisting respiration for newborns with respiratory failure.

*Assisted ventilation (30 minutes or more)*--Newborn placed on assisted ventilation for 30 minutes or longer.

*Seizures*--A seizure of any etiology.

### Congenital anomalies of child

The data provided in this item relate to 21 specific anomalies or anomaly groups. It is well documented that congenital anomalies, except for the most visible and most severe, are incompletely reported on birth certificates (22). The completeness of reporting specific anomalies depends on how easily they are recognized in the short time between birth and birth-registration. Forty-nine States and the District of Columbia included this item on their birth certificates (New Mexico did not). This reporting area included 99 percent of all births in the United States in 1999. The format allows for the identification of more than one anomaly including a choice of "None" should no anomalies be evident. The category "not stated" includes birth records for which the item is not completed.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials (21).

### Definitions of medical terms:

*Anencephalus*--Absence of the cerebral hemispheres.

*Spina bifida/meningocele*--Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.

*Hydrocephalus*--Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with

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consequent enlargement of the cranium.

*Microcephalus*--A significantly small head.

*Other central nervous system anomalies*--Other specified anomalies of the brain, spinal cord, and nervous system.

*Heart malformations*--Congenital anomalies of the heart.

*Other circulatory/respiratory anomalies*--Other specified anomalies of the circulatory and respiratory systems.

*Rectal atresia/stenosis*--Congenital absence, closure, or narrowing of the rectum.

*Tracheo-esophageal fistula/Esophageal atresia*--An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.

*Omphalocele/gastroschisis*--An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

*Other gastrointestinal anomalies*--Other specified congenital anomalies of the gastrointestinal system.

*Malformed genitalia*--Congenital anomalies of the reproductive organs.

*Renal agenesis*--One or both kidneys are completely absent.

*Other urogenital anomalies*--Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.

*Cleft lip/palate*--Cleft lip is a fissure of elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.

*Polydactyly/syndactyly/adactyly*--Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.

*Club foot*--Deformities of the foot, which is twisted out of shape or position.

*Diaphragmatic hernia*--Herniation of the abdominal contents through the diaphragm into the thoracic cavity usually resulting in respiratory distress.

*Other musculoskeletal/integumental anomalies*--Other specified congenital anomalies of the muscles, skeleton, or skin.

*Down's syndrome*--The most common chromosomal defect with most cases resulting from an extra chromosome (trisomy 21).

*Other chromosomal anomalies*--All other chromosomal aberrations.

### Method of delivery

The birth certificate contains a checkbox item on method of delivery. The choices include vaginal delivery, with the additional options of forceps, vacuum, and vaginal birth after previous cesarean section (VBAC), as well as a choice of primary or repeat cesarean. When only forceps, vacuum, or VBAC is checked, a vaginal birth is assumed. In 1999 this information was collected from the birth certificates of all States and the District of Columbia.

Several rates are computed for method of delivery. The overall cesarean section rate or total cesarean rate is computed as the proportion of all births that were delivered by cesarean section. The primary cesarean rate is a measure that relates the number of women having a primary cesarean birth to all women giving birth who have never had a cesarean delivery. The denominator for this rate is the sum of women with a vaginal birth excluding VBACs and women with a primary cesarean birth. The rate for vaginal birth after previous cesarean (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean section. VBAC rates for first births exist because the rates are computed on the basis of previous pregnancies, not just live births.

### Hispanic parentage

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Concurrent with the 1978 revision of the U.S. Certificate of Live Birth, NCHS recommended that items to identify the Hispanic or ethnic origin of the newborn's parents be included on birth certificates and has tabulated and evaluated these data from the reporting States. The 1989 revision of the U.S. Standard Certificate of Live Births includes items to identify the Hispanic origin of the parents. All 50 States and the District of Columbia reported Hispanic origin of the parents for 1999. In 1989 Louisiana, New Hampshire, and Oklahoma did not report this information; in 1990 New Hampshire and Oklahoma did not report, and in 1991-92 New Hampshire did not report Hispanic origin.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (1.2 percent in 1999) were actually to Hispanic mothers. The population with origin not stated was imputed. The effect on the rates is believed to be small.

### **Quality of data**

Although vital statistics data are useful for a variety of administrative and scientific purposes, they cannot be correctly interpreted unless various qualifying factors and methods of classification are taken into account. The factors to be considered depend on the specific purposes for which the data are to be used. It is not feasible to discuss all the pertinent factors in the use of vital statistics tabulations, but some of the more important ones should be mentioned.

Most of the factors limiting the use of data arise from imperfections in the original records or from the impracticability of tabulating these data in very detailed categories. These limitations should not be ignored, but their existence does not lessen the value of the data for most general purposes.

### **Completeness of registration**

An estimated 99 percent of all births occurring in the United States in 1999 were registered; for white births registration was 99.4 percent complete and for all other births, 98.6 percent complete. These estimates are based on the results of the 1964-68 test of birth-registration completeness according to place of delivery (in or out of hospital) and race and on the 1999 proportions of births in these categories. The primary purpose of the test was to obtain current measures of registration completeness for births in and out of hospital by race on a national basis. Data for States were not available as they had been from the previous birth-registration tests in 1940 and 1950. A detailed discussion of the method and results of the 1964-68 birth-registration test is available (23). A more recent test has not been conducted.

The 1964-68 test has provided an opportunity to revise the estimates of birth-registration completeness for the years since the previous test in 1950 to reflect the improvement in registration. This has been done using registration completeness figures from the two tests by place of delivery and race. Estimates of registration completeness for four groups (based on place of delivery and race) for 1951-65 were computed by interpolation between the test results. (It was assumed that the data from the more recent test are for 1966, the midpoint of the test period.) The results of the 1964-68 test are assumed to prevail for 1966 and later years. These estimates were used with the proportions of births registered in these categories to obtain revised numbers of births adjusted for underregistration for each year. The overall percent of birth-registration completeness by race was then computed. Data adjusted for underregistration for 1951-59 have been revised to be consistent with the 1964-68 test results and differ slightly from data shown in annual reports for years before 1969. For these years the published number of births and birth rates for both racial groups have been revised slightly downward because the 1964-68 test indicated that previous adjustments to registered births were slightly inflated. Because registration completeness figures by age of mother and by live-birth order are not available from the 1964-68 test, it must be assumed that the relationships among these variables have not changed since 1950.

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*Discontinuation of adjustment for underregistration, 1960--*Adjustment for underregistration of births was discontinued in 1960 when birth registration for the United States was estimated to be 99.1 percent complete. This removed a bias introduced into age-specific rates when adjusted births classified by age were used. Age-specific rates are calculated by dividing the number of births to an age group of mothers by the population of women in that age group. Tests have shown that population figures are likely to be understated through census undercounts; these errors compensate for underregistration of births. Adjustment for underregistration of births, therefore, removes the compensating effect of under enumeration, biasing the age-specific rates more than when uncorrected birth and population data are used. (For further details see page 4-11 in the Technical Appendix of volume I, Vital Statistics of the United States, 1963.)

The age-specific rates used in the cohort fertility tables are an exception to the above statement. These rates are computed from births corrected for underregistration and population estimates adjusted for under enumeration and misstatement of age. Adjusted birth and population estimates are used for the cohort rates because they are an integral part of a series of rates, estimated with a consistent methodology. It was considered desirable to maintain consistency with respect to the cohort rates, even though it means that they will not be precisely comparable with other rates shown for 5-year age groups.

### **Completeness of reporting**

Interpretation of these data must include evaluation of item completeness. The percent "not stated" is one measure of the quality of the data. Completeness of reporting varies among items and States. See table A for the percent of birth records on which specified items were not stated.

### **Quality control procedures**

As electronic files are received at NCHS, they are automatically checked for completeness, individual item code validity, and unacceptable inconsistencies between data items. The registration area is notified of any problems. In addition, NCHS staff review the files on an ongoing basis to detect problems in overall quality such as inadequate reporting for certain items, failure to follow NCHS coding rules, and systems and software errors. Traditionally, quality assurance procedures were limited to review and analysis of differences between the NCHS and registration area code assignments for a small sample of records. In recent years, as electronic birth registration became prevalent, this procedure was augmented by analyses of year to year and area to area variations in the data. These analyses are based on preliminary tabulations of the data that are cumulated by state on a year to date basis each month. All differences that are judged to have consequences for quality and completeness are investigated by NCHS. In the review process, statistical tests are used to call initial attention to differences for possible follow-up. As necessary, registration areas are informed of differences encountered in the tables and asked to verify the counts or to determine the nature of the differences. Missing records (except those permanently voided) and other problems detected by NCHS are resolved and corrections transmitted to NCHS in the same manner as for those corrections identified by the registration area.

### **Random variation and significance testing for natality data**

The number of births reported for an area is essentially a complete count, since more than 99 percent of all births are registered. While this number is not subject to sampling error, it may be affected by nonsampling errors such as mistakes in recording the mother's residence or age during the registration process.

When the number of births is used for analytic purposes the number of events that actually occurred can be thought of as one in a large series of possible results that could have occurred under the same circumstances. When considered in this way, the number of births is subject to random variation. The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

The **confidence interval** (CI) is the range of values for the number of births, birth rates, or percent of births that you could expect in 95 out of 100 cases. The **confidence limits** are the end points of this range of values (the highest and lowest values). Confidence limits tell you how much the number of events or rates could vary under

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similar circumstances.

Confidence limits for numbers, rates, and percents can be estimated from the actual number of events. Procedures differ for rates and percents and also differ depending on the number of births on which these statistics are based. Below are detailed procedures and examples for each type of case.

***95 percent Confidence Interval: 100 or more births***

When the number of events is greater than 100, the data are assumed to be approximately normally distributed. Formulas for 95-percent confidence limits are:

$$\text{Lower limit} = B - (1.96 \times \sqrt{B})$$

$$\text{Upper limit} = B + (1.96 \times \sqrt{B})$$

where:

$B$  = the number of births

**Example**

Suppose the number of first births to white women 40-44 years of age was 14,108. The 95-percent confidence limits for this number would be:

$$\begin{aligned} \text{Lower limit} &= 14,108 - [1.96 \times \sqrt{14,108}] \\ &= 14,108 - 233 \\ &= 13,875 \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= 14,108 + [1.96 \times \sqrt{14,108}] \\ &= 14,108 + 233 \\ &= 14,341 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to white women 40-44 years of age would lie between 13,875 and 14,341.

***95 percent Confidence Interval: 1-99 births***

When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution. Confidence limits are estimated using the following formulas:

$$\text{Lower limit} = B \times L$$

$$\text{Upper limit} = B \times U$$

where:

$B$  = the number of births

$L$  = the value in Table C that corresponds to the number  $B$ , using the 95 percent CI column

$U$  = the value in Table C that corresponds to the number  $B$ , using the 95 percent CI column

**Example**

Suppose the number of first births to American Indian women 40-44 years of age was 47. The confidence limits for this number would be:



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$$\begin{aligned}\text{Lower limit} &= B \times L \\ &= 47 \times 0.73476 \\ &= 35\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= B \times U \\ &= 47 \times 1.32979 \\ &= 63\end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to American Indian women 40-44 years of age would lie between 35 and 63.

### **Computing confidence intervals for rates**

The same statistical assumptions can be used to estimate the variability in birth rates. Again, one formula is used for rates based on numbers of events less than 100, and another formula for rates based on numbers of 100 or greater. For our purposes, assume that the denominators of these rates (the population estimates) have no error. While this assumption is technically correct only for denominators based on the census which occurs every 10 years, the error in intercensal population estimates is usually small, difficult to measure, and therefore not considered.

### ***95 percent Confidence Interval: 100 or more births***

In this case, use the following formula for the birth rate R based on the number of births B:

$$\begin{aligned}\text{Lower limit} &= R - [ 1.96 \times R / \sqrt{B} ] \\ \text{Upper limit} &= R + [ 1.96 \times R / \sqrt{B} ]\end{aligned}$$

where:

$$\begin{aligned}R &= \text{rate (births per 1,000 population)} \\ B &= \text{the number of births}\end{aligned}$$

### **Example**

Suppose the first birth rate for white women 40-44 years of age was 1.55 per thousand, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 1.55 - [ 1.96 \times (1.55 / \sqrt{14,108}) ] \\ &= 1.55 - .026 \\ &= 1.52\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 1.55 + [ 1.96 \times (1.55 / \sqrt{14,108}) ] \\ &= 1.55 + .026 \\ &= 1.58\end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for white women 40-44 years of age lies between 1.52 and 1.58.

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***95 percent Confidence Interval: 1-99 births***

When the number of events in the numerator is less than 20, an asterisk is shown in place of the rate because there were too few births to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100, the confidence interval for a rate can be estimated using the two formulas which follow and the values in the 95 percent CI column of Table C.

$$\begin{aligned} \text{Lower limit} &= R \times L \\ \text{Upper limit} &= R \times U \end{aligned}$$

where:

- R = rate (births per 1,000 population)
- L = the value in Table C that corresponds to the number B in the numerator of the rate
- U = the value in Table C that corresponds to the number B in the numerator of the rate

**Example**

Suppose that the first birth rate for American Indian women 40-44 years of age was 0.54 per thousand, based on 47 births in the numerator. Using Table C:

$$\begin{aligned} \text{Lower limit} &= 0.54 \times 0.73476 = .40 \\ \text{Upper limit} &= 0.54 \times 1.32979 = .72 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for American Indian women 40-44 year of age lies between .40 and .72.

**Computing confidence intervals for Hispanic subgroups**

Tables 6, 8, 9, and 14 in "Births: Final Data for 1999" and tables 1-4 and 1-12 in Vital Statistics of the United States, part I Natality show birth and fertility rates for Mexicans, Puerto Ricans, Cubans, and "Other" Hispanics. Population estimates are derived from the U.S. Bureau of the Census' Current Population Survey and adjusted to resident population control totals. As a result, the rates are subject to the variability of the denominator as well as the numerator. For these Hispanic subgroups only (not for all origin, total Hispanic, total non-Hispanic, non-Hispanic white, or non-Hispanic black populations), the formulas above would be substituted by the following formulas:

***Approximate 95 percent Confidence Interval: 100 or more births***

When the number of events in the numerator is greater than 100, the confidence interval for the birth rate can be estimated from the following formulas:

For crude and age-specific birth rates,

$$\begin{aligned} \text{Lower limit:} & R \pm 1.96 \left( R \left( \sqrt{\left(\frac{1}{B}\right) \% f \left(a \% \frac{b}{P}\right)} \right) \right) \\ \text{Upper limit:} & R \pm 1.96 \left( R \left( \sqrt{\left(\frac{1}{B}\right) \% f \left(a \% \frac{b}{P}\right)} \right) \right) \end{aligned}$$

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where

$R$  = rate (births per 1,000 population).

$B$  = total number of births upon which rate is based

$f$  = factor that depends on whether the population estimate is based on demographic analysis or CPS and the number of years used, equals 0.670 for single year.

$a$  and  $b$  are single year averages of the 1998 and 1999 CPS standard error parameters;  $a$  equals -0.000238 and  $b$  equals 7,486 (24,25).

$P$  = total estimated population upon which rate is based

**Example**

Suppose that the fertility rate of Cuban American women 15-44 years of age was 51.2 per thousand based on 13,088 births in the numerator and an estimated resident population of 255,399 in the denominator. The 95 percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= 51.2 - 1.96 * 51.2 * \sqrt{\frac{1}{13,088} + 0.670 * 0.000238 + \frac{7,486}{255,399}} \\ &= 51.2 - 1.96 * 51.2 * \sqrt{0.000076405 + (0.670 * 0.029073)} \\ &= 51.2 - 1.96 * 51.2 * \sqrt{0.019555} \\ &= 51.2 - 1.96 * 51.2 * 0.13984 \\ &= 37.17 \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= 51.2 + 1.96 * 51.2 * \sqrt{\frac{1}{13,088} + 0.670 * 0.000238 + \frac{7,486}{255,399}} \\ &= 51.2 + 1.96 * 51.2 * \sqrt{0.000076405 + (0.670 * 0.029073)} \\ &= 51.2 + 1.96 * 51.2 * \sqrt{0.019555} \\ &= 51.2 + 1.96 * 51.2 * 0.13984 \\ &= 65.23 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual fertility rate of Cuban American women 15-44 years of age lies between 37.17 and 65.23.

***Approximate 95 percent Confidence Interval: 1-99 births***

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When the number of events in the numerator is less than 20, an asterisk is shown in place of the rate. When the number of events in the numerator is greater than 20 but less than 100, the confidence interval for the birth rate can be estimated using the formulas which follow and the values in Table C.

For crude and age-specific birth rates,

$$\text{Lower: } R ( L (1 \& \acute{a}' .96, B) ( \left( 1 \& 2.576 \sqrt{ f \left( a \% \frac{b}{P} \right) } \right) )$$

$$\text{Upper: } R ( U (1 \& \acute{a}' .96, B) ( \left( 1 \& 2.576 \sqrt{ f \left( a \% \frac{b}{P} \right) } \right) )$$

where

*R* = rate (births per 1,000 population).

*B* = total number of births upon which rate is based.

*L* = the value in Table C that corresponds to the number *B*, using the 96 percent CI column

*U* = the value in Table C that corresponds to the number *B*, using the 96 percent CI column

*f* = factor that depends on whether the population estimate is based on demographic analysis or CPS and the number of years used, equals 0.670 for single year.

*a* and *b* factors are CPS standard error parameters. (see previous section on 95 percent confidence interval for 100 or more births for description and specific values)

*P* = total estimated population upon which rate is based.

**Example**

Suppose that the birth rate of Puerto Rican American women 45-49 years of age was 0.4 per thousand, based on 35 births in the numerator and an estimated resident population of 87,892 in the denominator. Using Table C, the 95 percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= 0.4 * 0.68419 * \left( 1 - 2.576 \sqrt{0.670 * 0.000238 + \frac{7,486}{87,892}} \right) \\ &= 0.4 * 0.68419 * (1 - 2.576 * .056906) \\ &= 0.4 * 0.68419 * (1 - 2.576 * 0.23855) \\ &= 0.4 * 0.68419 * 0.38549 \\ &= 0.1 \end{aligned}$$

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$$\begin{aligned} \text{Upper limit} &= 0.4 * 1.41047 * \left( 1 + 2.576 \sqrt{0.670 * 0.000238 + \frac{7,486}{87,892}} \right) \\ &= 0.4 * 1.41047 * (1 + 2.576 * .056906) \\ &= 0.4 * 1.41047 * (1 + 2.576 * 0.23855) \\ &= 0.4 * 1.41047 * 1.61451 \\ &= 0.9 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual birth rate of Puerto Rican American women 45-49 years of age lies between 0.1 and 0.9.

Note: In the formulas above, the confidence limits are estimated from the nonsampling error in the number of births, the numerator, and the sampling error in the population estimate, the denominator. A 96 percent standard error is computed for the numerator and a 99 percent standard error is computed for the denominator in order to compute a 95 percent confidence interval for the rate.

**Computing 95 percent Confidence Intervals for percents**

In many instances we need to compute the confidence intervals for percents. Percents derive from a binomial distribution. As with birth rates, an asterisk will be shown for any percent which is based on fewer than 20 births in the numerator. We easily compute a 95-percent confidence interval for a percent when the following conditions are met:

$$\begin{aligned} B * p &\geq 5 \quad \text{and} \\ B * q &\geq 5 \end{aligned}$$

where:

$$\begin{aligned} B &= \text{number of births in the denominator} \\ p &= \text{percent divided by 100} \\ q &= 1 - p \end{aligned}$$

For natality data, these conditions will be met except for very rare events in small subgroups. If the conditions are *not* met, the variation in the percent will be so large as to render the confidence intervals meaningless. When these conditions are met the 95-percent confidence interval can be computed using the normal approximation of the binomial. The 95-percent confidence intervals are computed by the following formulas:

$$\text{Lower limit} = p - 1.96 * \sqrt{p * \frac{q}{B}}$$

$$\text{Upper limit} = p + 1.96 * \sqrt{p * \frac{q}{B}}$$

where:

$$\begin{aligned} B &= \text{number of births in the denominator} \\ p &= \text{percent divided by 100} \end{aligned}$$

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$$q = 1 - p$$

**Example**

Suppose the percent of births to Hispanic women in Alabama that were to unmarried women was 23.0 percent. This was based on 310 births in the numerator and 1,345 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

$$\begin{aligned} 1,345 \times .230 &= 309 \\ 1,345 \times (1 - .230) & \\ 1,345 \times .770 &= 1,036 \end{aligned}$$

Both 309 and 1,036 are greater than 5 so we can proceed. The 95-percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= 0.23 - 1.96 * \sqrt{0.23 * \frac{0.77}{1,345}} \\ &= 0.23 - 0.022 \\ &= 0.208 \text{ or } 20.8 \text{ percent} \\ \text{Upper limit} &= 0.23 + 1.96 * \sqrt{0.23 * \frac{0.77}{1,345}} \\ &= 0.23 + 0.022 \\ &= 0.252 \text{ or } 25.2 \text{ percent} \end{aligned}$$

This means that the chances are 95 out of 100 that the actual percent of births in Alabama to Hispanic women that are to unmarried women lies between 20.8 and 25.2 percent.

**Significance testing**

***Both rates are based on 100 or more events***

When both rates are based on 100 or more events, the difference between the two rates is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where:

- R<sub>1</sub> = the first rate
- R<sub>2</sub> = the second rate

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$N_1$  = the first number of births  
 $N_2$  = the second number of births

If the difference is **greater** than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is **less** than this statistic, the difference might occur by chance more than 5 times out of 100. We say that the difference is not statistically significant at the 95-percent confidence level.

**Example**

Is the first birth rate for black women 40-44 years of age (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is  $1.55 - 1.08 = .47$ . The statistic is then calculated as follows:

$$\begin{aligned}
 & 1.96 \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}} \\
 &= 1.96 \times \sqrt{.00076 + .00017} \\
 &= 1.96 \times \sqrt{.00093} \\
 &= 1.96 \times .03 \\
 &= .06
 \end{aligned}$$

The difference between the rates (.47) is greater than this statistic (.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

**Significance Testing for Hispanic Subgroups**

Tables 6, 8, 9, and 14 in “Births: Final Data for 1999” and tables 1-4 and 1-12 in “Vital Statistics United States, volume 1 natality” showing birth and fertility rates based on population estimates derived from the U.S. Bureau of the Census’ Current Population Survey and adjusted to resident population control totals, the formula above would be substituted by the formula which follows.

When both rates are based on 100 or more events, the difference between the two rates is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 * \sqrt{R_1^2 * \frac{1}{B_1} + \frac{a}{P_1} + R_2^2 * \frac{1}{B_2} + \frac{a}{P_2}}$$

If the difference is greater than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is less than this statistic, the difference might occur by chance more than 5 times out of 100. We say that the difference is not statistically significant at the 95-percent confidence level.

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**Example**

Suppose the birth rate for Puerto Rican mothers 15-19 years of age ( $R_1$ ) is 80.6, based on 11,978 births and an estimated population of 148,673, and the birth rate for Cuban mothers 15-19 years of age ( $R_2$ ) is 27.1, based on 997 births and an estimated population of 36,782. Using the above formula, the z score is computed as follows:

$$1.96 * \sqrt{80.6^2 * \frac{1}{11,978} + 0.670 * 0.000238 + \frac{7,486}{148,673} + 27.1^2 * \frac{1}{997} + 0.670 * 0.000238 + \frac{7,486}{36,782}}$$

$$1.96 * \sqrt{6,496.36 * [0.000083486 + 0.670( 0.000238 + 0.050352)] + 734.41 * [0.0010030 + 0.670( 0.000238 + 0.20352)]}$$

$$1.96 * \sqrt{(6,496.36 * 0.033660) + (734.41 * 0.13720)}$$

$$1.96 * \sqrt{218.67 + 100.76}$$

$$1.96 * 17.87$$

$$= 35.03$$

Since the difference between the two rates of 53.5 is greater than the value above, the two rates are statistically significant at the 0.05 level of significance.

***One of the rates is based on fewer than 100 cases***

To compare two rates, when one or both of those rates are based on less than 100 cases, you first compute the confidence intervals for both rates. Then you check to see if those intervals overlap. If they **do** overlap, the difference is not statistically significant at the 95-percent level. If they **do not** overlap, the difference is indeed “statistically significant.”

**Example**

Is the first birth rate for American Indian women 40-44 years of age (.54 per 1,000) significantly lower than the comparable rate for white women (1.55)? The rate for American Indian women is based on 47 events whereas the rate for white women is based on 14,108 events. The rate for American Indian women is based on less than 100 events; therefore, the first step is to compute the confidence intervals for both rates.

|                       | Lower Limit | Upper Limit |
|-----------------------|-------------|-------------|
| American Indian women | 0.40        | 0.72        |
| White women           | 1.52        | 1.58        |

These two confidence intervals do not overlap. Therefore, the first birth rate for American women 40-44 is significantly lower (at the 95-percent confidence level) than the comparable rate for white women.

***Testing differences between two percents***



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When testing the difference between two percents, both percents must meet the following conditions:

$$B \times p \geq \$5 \quad \text{and}$$

$$B \times q \geq \$5$$

where:

$$B = \text{number of births in the denominator}$$

$$p = \text{percent divided by 100}$$

$$q = 1 - p$$

When both percents meet these conditions then the difference between the two percents is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two percents.

$$1.96 \sqrt{p(1-p) \left( \frac{1}{B_1} + \frac{1}{B_2} \right)}$$

$$p_1 - p_2 - \frac{B_1 p_1 + B_2 p_2}{B_1 + B_2}$$

where:

$$B_1 = \text{the number of births in the denominator for the first percent}$$

$$B_2 = \text{the number of births in the denominator for the second percent}$$

$$p_1 = \text{the first percent divided by 100}$$

$$p_2 = \text{the second percent divided by 100}$$

**Example**

Is the percent of births to Hispanic women that were to unmarried women higher in Alaska (28.8 percent) than in Alabama (23.0). The number in the denominator was 593 in Alaska and 1,345 in Alabama. The necessary conditions are met for both percents (calculations not shown). The difference between the two percents is .288 - .230 = .058. The statistic is then calculated as follows:

$$1.96 \sqrt{(.2477) (.7523) (.0024)}$$

$$= 1.96 \times .00447$$

$$= 1.96 \times .021$$

$$= .042$$

The difference between the percents (.058) is greater than this statistic (.042). Therefore, the difference is

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statistically significant at the 95-percent confidence level.

### Computation of rates and other measures

#### Population bases

The rates shown in this report were computed on the basis of population statistics prepared by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, 1970, 1980, and 1990 are based on the population enumerated as of April 1 in the censuses of those years. Rates for all other years are based on the estimated midyear (July 1) population for the respective years. Birth rates for the United States, individual States, and metropolitan areas are based on the total resident populations of the respective areas. Except as noted these populations exclude the Armed Forces abroad but include the Armed Forces stationed in each area. The resident population of the birth- and death-registration States for 1900-32 and for the United States for 1900-99 is shown in table 4-1. In addition, the population including Armed Forces abroad is shown for the United States. Table D shows the sources for these populations.

In both the 1980 and 1990 censuses, a substantial number of persons did not specify a racial group that could be classified as any of the White, Black, American Indian, Eskimo, Aleut, Asian, or Pacific Islander categories on the census form (26). In 1980 the number of persons of "other" race was 6,758,319; in 1990 it was 9,804,847. In both censuses, the large majority of these persons were of Hispanic origin (based on response to a separate question on the form), and many wrote in their Hispanic origin, or Hispanic origin type (for example, Mexican, Puerto Rican) as their race. In both 1980 and 1990, persons of unspecified race were allocated to one of the four tabulated racial groups (white, black, American Indian, Asian or Pacific Islander), based on their response to the Hispanic origin question. These four race categories conform with the 1979 edition of OMB Directive 15 which mandates that race data must contain at least these 4 categories. These categories are also more consistent with the race categories in vital statistics.

In the allocation of unspecified race was carried out using cross-tabulations of age, sex, race, type of Hispanic origin, and county of residence. Persons of Hispanic origin and unspecified race were allocated to either white or black, based on their Hispanic origin type. Persons of "other" race and Mexican origin were categorically assumed to be white, while persons in other Hispanic categories were distributed to white and black *pro rata* within the county-age-sex group. For "other-not-specified" persons who were not Hispanic, race was allocated to white, black, or Asian and Pacific Islander, based on proportions gleaned from sample data. The 20-percent sample (respondents who were enumerated on the longer census form) provided a highly detailed coding of race, which allowed identification of otherwise unidentifiable responses with a specified race category. Allocation proportions were thus established at the State level, which were used to distribute the non-Hispanic persons of "other" race in the 100-percent tabulations.

In 1990 the race modification procedure was carried out using individual census records. Persons whose race could not be specified were assigned to a racial category using a pool of "race donors," which was derived from persons of specified race and the identical response to the Hispanic origin question within the auspices of the same Census District Office. As in 1980, the underlying assumption was that the Hispanic origin response was the major criterion for allocating race. Unlike 1980, persons of Hispanic origin, including Mexican, could be assigned to any racial group, rather than white or black only, and the non-Hispanic component of "other" race was allocated primarily on the basis of geography (District Office), rather than detailed characteristic.

The means by which respondent's age was determined were fundamentally different in the two censuses; therefore, the problems that necessitated the modification were different. In 1980 respondents reported year of

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birth and quarter of birth (within year) on the census form. When census results were tabulated, persons born in the first quarter of the year (before April 1) had age equal to 1980 minus year of birth, while persons born in the last 3 quarters had age equal to 1979 minus year of birth.

In 1990 the quarter year of birth was not reported on the census form, so that direct determination of age from year of birth was impossible. In 1990 census publications age is based on respondents' direct reports of age at last birthday. This definition proved inadequate for postcensal estimates, because it was apparent that many respondents had reported their age at time of either completion of the census form or interview by an enumerator, which could occur several months after the April 1 reference data. As a result, age was biased upward. Modification was based on a respecification of age, for most individual respondents, by year of birth, with allocation to first quarter (persons aged 1990 minus year of birth) and last three quarters (aged 1989 minus year of birth) based on a historical series of registered births by month. This process partially restored the 1980 logic for assignment of age. It was not considered necessary to correct for age overstatement and heaping in 1990, because the availability of age and year of birth on the census form provided elimination of spurious year-of-birth reports in the census data before modification occurred.

*Populations for 1999*--The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1999. Washington, DC: U.S. Census Bureau. Internet release, April 11, 2000.  
[http://www.census.gov/population/estimates/nat\\_90s\\_1.html](http://www.census.gov/population/estimates/nat_90s_1.html).

*Populations for 1998*--The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1998. Washington, DC: U.S. Bureau of the Census. Internet release, June 4, 1999.  
<Http://www.census.gov/population/www/estimates/uspop.html>.

*Populations for 1997*--The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1997. PPL-91R. U.S. Bureau of the Census. Rounded populations are consistent with U.S. Bureau of the Census file NESTV97. Washington: U.S. Department of Commerce. 1998.

*Populations for 1996*--The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report, United States population estimates by age, sex, race and Hispanic origin: 1990 to 1996. U.S. Bureau of the Census. PPL-57. Washington: U.S. Department of Commerce. 1997.

*Populations for 1995*--The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report, United States population estimates by age, sex, race and Hispanic origin: 1990 to 1995. U.S. Bureau of the Census. Census file RESDO795, PPL-41. Washington: U.S. Department of Commerce. 1996.

*Populations for 1994*--The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report, United States population estimates by age, sex, race and Hispanic origin: 1990 to 1994. U.S. Bureau of the Census. PPL-21. Washington: U.S. Department of Commerce. 1995.

*Populations for 1993*--The population of the United States by age, sex, race and Hispanic origin is tabulated from Census file RESO793.

*Populations for 1992*--The population of the United States by age, sex, race and Hispanic origin is tabulated from census file RESPO792.

*Populations for 1991*--The population of the United States by age, race, and sex is shown in *Current Population Reports*, Series P-25, Number 1095. Monthly population figures were published in *Current Population Reports*, Series P-25, Number 1097.

*Populations for 1990*--The population of the United States by age, race, and sex, and the population for each State is shown in *Current Population Reports*, Series P-25, Number 1095. The figures have been modified as described above. Monthly population figures were published in *Current Population Reports*, Series P-25, Number 1094.

*Population estimates for 1981-89*--Birth rates for 1981-89 (except those for cohorts of women) have been revised, based on revised population estimates that are consistent with the 1990 census levels, and thus may differ

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from rates published in volumes of *Vital Statistics of the United States* for these years. The 1990 census counted approximately 1.5 million fewer persons than had earlier been estimated for April 1, 1990. The revised estimates for the United States by age, race, and sex were published by the U.S. Bureau of the Census in *Current Population Reports*, Series P-25, Number 1095. Population estimates by month are based on data published in *Current Population Reports*, Series P-25, Number 1094 and unpublished data. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census.

*Populations for 1980*--The population of the United States by age, race, and sex, and the population for each State are shown in tables 4-2 and 4-3 of volume I, *Vital Statistics of the United States*, 1980. The figures by race have been modified as described above. Monthly population figures were published in *Current Population Reports*, Series P-25, Number 899.

*Population estimates for 1971-79*--Birth rates for 1971-79 (except those for cohorts of women) have been revised, based on revised population estimates that are consistent with the 1980 census levels, and thus may differ from rates published in volumes of *Vital Statistics of the United States* for these years. The 1980 census counted approximately 5.5 million more persons than had earlier been estimated for April 1, 1980 (27). The revised estimates for the United States by age, race, and sex were published by the U.S. Bureau of the Census in *Current Population Reports*, Series P-25, Number 917. Population estimates by month are based on data published in *Current Population Reports*, Series P-25, Number 899. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census.

*Population estimates for 1961-69*--Birth rates for 1961-69 are based on revised estimates of the population and thus may differ slightly from rates published before 1976. The revised estimates used in computing these rates were published in *Current Population Reports*, Series P-25, Number 519. The rates for 1961-64 are based on revised estimates of the population published in *Current Population Reports*, Series P-25, Numbers 321 and 324 and may differ slightly from rates published in those years.

*Population estimates for 1951-59*--Final intercensal estimates of the population by age, race, and sex and total population by State for 1951-59 are shown in tables 4-4 and 4-5 of volume I, *Vital Statistics of the United States*, 1966. Beginning with 1963 these final estimates have been used to compute birth rates for 1951-59 in all issues of *Vital Statistics of the United States*.

### **Net census undercounts and overcounts**

The U.S. Bureau of the Census has conducted extensive research to evaluate the coverage of the U.S. population (including undercount, overcount, and misstatement of age, race, and sex) in the last five decennial censuses 1950, 1960, 1970, 1980, and 1990. These studies provide estimates of the national population, that were not enumerated or over enumerated in the respective censuses, by age, race, and sex (27-29). The report for 1990 (30) includes estimates of net under enumeration and over enumeration for age, sex, and racial subgroups of the national population, modified for race consistency with previous population counts as described in the section "Population bases."

These studies indicate that there are differential coverages in the censuses among the population subgroups; that is, some age, race, and sex groups are more completely enumerated than others. To the extent that these estimates of overcounts or undercounts are valid, that they are substantial, and that they vary among subgroups and geographic areas, census miscounts can have consequences for vital statistics measures (28). However, the effects of undercounts in the census are reduced to the extent that there is underregistration of births. If these two factors are of equal magnitude, rates based on unadjusted populations are more accurate than those based on adjusted populations because the births have not been adjusted for underregistration.

The impact of net census miscounts on vital statistics measures includes the effects on levels of the rates and effects on differentials among groups.

If adjustments were made for persons who were not counted in the census of population, the size of the denominators would generally increase and the rates would be smaller than without an adjustment. Adjusted rates for 1990 can be computed by multiplying the reported rates by ratios of the 1990 census-level population adjusted

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for the estimated net census miscounts, which are shown in table E. A ratio of less than 1.0 indicates a net census undercount and would result in a corresponding decrease in the rate. A ratio in excess of 1.0 indicates a net census overcount and would result in a corresponding increase in the rate.

Enumeration of white females in the childbearing ages was at least 97 percent complete for all ages. Among black women, the undercount ranged up to 5 percent. Generally, females in the childbearing ages were more completely enumerated than males for similar race-age groups.

If vital statistics measures were calculated with adjustments for net census miscounts for each of these subgroups, the resulting rates would have been differentially changed from their original levels; that is, rates for those groups with the greatest estimated overcounts or undercounts would show the greatest relative changes due to these adjustments. Thus the racial differential in fertility between the white and the "All other" population can be affected by such adjustments.

### Cohort fertility tables

The various fertility measures shown for cohorts of women are computed from births adjusted for underregistration and population estimates corrected for under enumeration and misstatement of age. Data published after 1974 use revised population estimates prepared by the U.S. Bureau of the Census and have been expanded to include data for the two major racial groups. Heuser has prepared a detailed description of the methods used in deriving these measures as well as more detailed data for earlier years (31). These tables for current years are available at <http://www.cdc.gov/nchs/datawh/statab/unpubd/natalty/natab97.htm>.

*Parity distribution*--The percent distribution of women by parity (number of children ever born alive to mother) is derived from cumulative birth rates by order of birth. The percent of zero-parity women is found by subtracting the cumulative first birth rate from 1,000 and dividing by 10. The proportions of women at parities one through six are found from the following formula:

$$\text{Percent at N parity} = (\text{cum. rate, order N}) - (\text{cum. rate, order N} + 1) / 10$$

The percent of women at seventh and higher parities is found by dividing the cumulative rate for seventh-order births by 10.

*Birth probabilities*--birth probabilities indicate the likelihood that a woman of a certain parity and age at the beginning of the year will have a child during the year. Birth probabilities differ from central birth rates in that the denominator for birth probabilities is specific for parity as well as for age.

### Total fertility rate

The total fertility rate is the sum of the birth rates by age of mother (in 5-year age groups) multiplied by 5. It is an age-adjusted rate because it is based on the assumption that there are the same number of women in each age group. The rate of 2,075.0 in 1999, for example, means that if a hypothetical group of 1,000 women were to have the same birth rates in each age group that were observed in the actual childbearing population in 1999, they would have a total of 2,075.0 children by the time they reached the end of the reproductive period (taken here to be age 55 years), assuming that all of the women survived to that age.

### Seasonal adjustment of rates

The seasonally adjusted birth and fertility rates are computed from the X-11 variant of Census Method II (32). This method of seasonal adjustment used since 1964 differs slightly from the U.S. Bureau of Labor Statistics (BLS) Seasonal Factor Method, which was used for Vital Statistics of the United States, 1964. The fundamental technique is the same in that it is an adaptation of the ratio-to-moving-average method. Before 1964 the method of seasonal adjustment was based on the X-9 variant and other variants of Census Method II. A comparison of the Census Method II with the BLS Seasonal Factor Method shows the differences in the seasonal patterns of births to be

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negligible.

**Computations of percents, percent distributions, and medians**

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percents, percent distributions, and medians were computed. The percent of records with missing information for each item is shown by State in table A. The median number of prenatal visits also excludes births to mothers who had no prenatal care. Computations of the median years of school completed and the median number of prenatal visits were based on ungrouped data. The median age of mother is computed from birth rates in 5-year age groups which eliminates the effects of changes in the age composition of the childbearing population over time. The procedures for distributing not stated age of father in order to compute mean ages are described in the section "age of father." An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

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Table A. Percent of Birth Records on Which Specified Items Were Not Stated: United States and Each State and territory, 1999

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[By place of residence]

| Area   | All<br>births | Place<br>of Birth | Attendant<br>at Birth | Mother's<br>Birthplace | Father's<br>Age | Father's<br>Race | Hispanic Origin |        | Educational<br>Attainment<br>of Mother | Live-birth<br>Order | Length of<br>Gestation | Month<br>Prenatal<br>Care Began | Number of<br>Prenatal<br>Visits |
|--|---------------|-------------------|-----------------------|------------------------|-----------------|------------------|-----------------|--------|--|---------------------|------------------------|---------------------------------|---------------------------------|
|  |               |                   |                       |                        |                 |                  | Mother          | Father |  |                     |                        |                                 |                                 |
| Total of reporting areas<br>1/                 | #####         | 0.0               | 0.0                   | 0.3                    | 14.0            | 14.6             | 1.2             | 14.9   | 1.6                                    | 0.5                 | 1.1                    | 2.9                             | 3.9                             |
| Alabama  | 62,122        | -                 | 0.0                   | 0.1                    | 22.7            | 22.8             | 0.1             | 22.7   | 0.3                                    | 0.0                 | 0.1                    | 0.3                             | 0.7                             |
| Alaska   | 9,950         | 0.0               | 0.1                   | 0.4                    | 12.7            | 15.1             | 0.5             | 13.4   | 2.2                                    | 0.3                 | 0.2                    | 1.9                             | 1.7                             |
| Arizona  | 81,145        | 0.0               | 0.0                   | 0.2                    | 19.7            | 21.7             | 1.3             | 21.7   | 2.4                                    | 0.3                 | 0.2                    | 2.5                             | 4.7                             |
| Arkansas                                       | 36,729        | 0.0               | 0.0                   | 0.1                    | 19.6            | 21.8             | 0.1             | 20.9   | 1.0                                    | 0.1                 | 0.2                    | 2.4                             | 2.6                             |
| California                                     | 518,508       | 0.0               | 0.0                   | 0.3                    | 7.2             | 6.8              | 0.6             | 6.2    | 1.5                                    | 0.1                 | 2/5/7                  | 1.6                             | 3.1                             |
| Colorado                                       | 62,167        | -                 | -                     | 0.3                    | 9.0             | 9.4              | 0.1             | 9.5    | 1.0                                    | 0.1                 | 0.0                    | 0.7                             | 0.9                             |
| Connecticut                                    | 43,310        | 0.0               | 0.0                   | 0.2                    | 10.9            | 12.3             | 5.1             | 15.6   | 3.4                                    | 7.1                 | 0.2                    | 3.3                             | 6.3                             |
| Delaware                                       | 10,676        | -                 | 0.5                   | 0.2                    | 31.6            | 32.3             | 0.1             | 31.5   | 0.5                                    | 0.1                 | 0.1                    | 0.8                             | 1.0                             |
| District of Columbia                           | 7,522         | -                 | -                     | 0.1                    | 43.5            | 51.0             | 0.7             | 43.4   | 9.2                                    | 0.1                 | 0.6                    | 16.8                            | 19.7                            |
| Florida  | 197,023       | 0.0               | 0.0                   | 0.1                    | 17.3            | 17.6             | 0.1             | 18.9   | 0.6                                    | 0.0                 | 0.1                    | 0.9                             | 2.0                             |
| Georgia  | 126,717       | 0.0               | 0.0                   | 0.2                    | 17.6            | 18.1             | 1.2             | 18.4   | 2.3                                    | 0.5                 | 0.2                    | 3.7                             | 3.4                             |
| Hawaii   | 17,038        | -                 | 0.0                   | 0.1                    | 8.9             | 9.1              | 0.1             | 9.2    | 0.7                                    | 0.0                 | 3.4                    | 3.8                             | 4.4                             |
| Idaho  | 19,872        | -                 | 0.0                   | 0.2                    | 8.3             | 11.5             | 0.4             | 11.1   | 2.3                                    | 0.1                 | 0.2                    | 1.5                             | 2.0                             |
| Illinois                                       | 182,068       | 0.0               | 0.0                   | 0.1                    | 14.4            | 15.8             | 0.1             | 15.9   | 1.0                                    | 0.1                 | 0.2                    | 2.1                             | 2.5                             |
| Indiana  | 86,031        | 0.0               | 0.1                   | 0.2                    | 13.3            | 13.4             | 0.4             | 13.6   | 0.9                                    | 0.2                 | 0.1                    | 1.3                             | 2.6                             |
| Iowa   | 37,558        | 0.0               | 0.0                   | 0.4                    | 11.9            | 13.7             | 1.0             | 14.6   | 1.5                                    | 0.1                 | 0.1                    | 1.1                             | 3.2                             |
| Kansas   | 38,782        | -                 | 0.0                   | 0.1                    | 10.5            | 10.7             | 0.9             | 11.9   | 0.3                                    | 0.0                 | 0.1                    | 0.6                             | 0.8                             |
| Kentucky                                       | 54,403        | -                 | 0.1                   | 0.0                    | 19.5            | 22.2             | 0.1             | 23.1   | 0.2                                    | 0.1                 | 0.1                    | 1.0                             | 1.2                             |
| Louisiana                                      | 67,136        | 0.0               | 0.0                   | 0.0                    | 21.3            | 21.5             | 0.6             | 21.8   | 0.0                                    | 0.0                 | 0.0                    | 0.3                             | 0.6                             |
| Maine  | 13,616        | -                 | 0.0                   | -                      | 9.6             | 14.1             | 5.1             | 18.1   | 0.8                                    | 0.3                 | 0.1                    | 0.5                             | 0.5                             |
| Maryland                                       | 71,967        | 0.0               | 0.0                   | 0.6                    | 7.7             | 9.2              | 0.4             | 6.6    | 1.9                                    | 0.3                 | 0.5                    | 3.8                             | 6.6                             |
| Massachusetts                                  | 80,939        | -                 | 0.0                   | 0.0                    | 7.7             | 7.6              | 0.6             | 6.8    | 0.4                                    | 0.4                 | 0.4                    | 1.2                             | 0.5                             |
| Michigan                                       | 133,607       | 0.0               | 0.1                   | 0.1                    | 15.4            | 17.6             | 5.9             | 22.2   | 1.7                                    | 0.4                 | 0.3                    | 4.1                             | 5.6                             |
| Minnesota                                      | 65,970        | -                 | -                     | 0.1                    | 8.5             | 10.9             | 5.2             | 15.3   | 2.2                                    | 0.4                 | 0.9                    | 6.4                             | 5.7                             |
| Mississippi                                    | 42,684        | 0.0               | 0.0                   | 0.1                    | 23.1            | 22.9             | 0.1             | 23.3   | 0.3                                    | 0.1                 | 0.2                    | 0.6                             | 1.7                             |
| Missouri                                       | 75,432        | -                 | -                     | 0.2                    | 17.9            | 18.5             | 0.1             | 18.3   | 0.7                                    | 0.4                 | 0.1                    | 1.8                             | 2.8                             |
| Montana  | 10,785        | 0.0               | 0.1                   | 0.0                    | 9.4             | 10.5             | 1.4             | 11.5   | 0.4                                    | 0.0                 | 0.1                    | 0.4                             | 0.3                             |
| Nebraska                                       | 23,907        | -                 | 0.0                   | 0.0                    | 11.8            | 12.8             | 2.4             | 13.9   | 0.1                                    | -                   | 0.0                    | 0.3                             | 0.6                             |
| Nevada   | 29,362        | 0.0               | 0.0                   | 1.0                    | 20.8            | 21.7             | 1.4             | 20.3   | 3.5                                    | 1.1                 | 1.0                    | 8.4                             | 10.9                            |
| New Hampshire                                  | 14,041        | -                 | -                     | 0.0                    | 6.3             | 8.8              | 3.9             | 13.2   | 1.1                                    | 2.4                 | 0.3                    | 1.5                             | 1.6                             |
| New Jersey                                     | 114,105       | 0.0               | 0.0                   | 0.2                    | 9.0             | 11.3             | 0.4             | 9.4    | 2.6                                    | 0.1                 | 0.1                    | 5.4                             | 6.8                             |
| New Mexico                                     | 27,191        | -                 | -                     | 2.7                    | 28.6            | 28.0             | 0.0             | 28.0   | 4.5                                    | 0.5                 | 0.5                    | 7.3                             | 5.8                             |
| New York                                       | 255,612       | 0.1               | 0.0                   | 0.4                    | 14.9            | 15.2             | 4.9             | 18.8   | 1.9                                    | 0.1                 | 0.4                    | 9.6                             | 6.7                             |
| North Carolina                                 | 113,795       | -                 | 0.0                   | 0.0                    | 16.8            | 16.8             | 0.0             | 16.8   | 0.2                                    | 0.1                 | 0.1                    | 0.7                             | 0.7                             |
| North Dakota                                   | 7,639         | 0.0               | 0.0                   | -                      | 8.4             | 9.0              | 3.4             | 12.1   | 0.2                                    | 0.1                 | 0.1                    | 0.4                             | 0.4                             |
| Ohio   | 152,584       | 0.0               | 0.0                   | 2.0                    | 15.1            | 17.0             | 0.4             | 12.3   | 0.7                                    | 0.3                 | 0.1                    | 1.2                             | 2.4                             |
| Oklahoma                                       | 49,010        | -                 | 0.1                   | 0.1                    | 17.8            | 19.2             | 2.0             | 19.3   | 1.8                                    | 1.5                 | 4.8                    | 11.2                            | 13.9                            |
| Oregon   | 45,204        | -                 | -                     | 0.2                    | 11.3            | 5.1              | 0.8             | 6.0    | 1.8                                    | 0.1                 | 0.0                    | 0.4                             | 0.7                             |
| Pennsylvania                                   | 145,347       | 0.0               | 0.0                   | 0.9                    | 5.5             | 4.2              | 0.5             | 3.6    | 2.7                                    | 0.5                 | 0.3                    | 3.8                             | 6.0                             |
| Rhode Island                                   | 12,366        | -                 | -                     | 0.5                    | 13.6            | 14.4             | 13.8            | 24.2   | 2.9                                    | 1.6                 | 1.3                    | 4.9                             | 5.6                             |
| South Carolina                                 | 54,948        | 0.0               | 0.0                   | 0.3                    | 28.0            | 28.0             | 0.1             | 28.0   | 4.5                                    | 0.1                 | 0.2                    | 1.5                             | 1.7                             |
| South Dakota                                   | 10,524        | 0.0               | -                     | 0.0                    | 12.7            | 12.8             | 0.1             | 13.1   | 0.2                                    | 0.0                 | 0.0                    | 0.2                             | 0.3                             |
| Tennessee                                      | 77,803        | -                 | 0.0                   | 0.1                    | 15.8            | 16.0             | 0.0             | 16.1   | 0.2                                    | 0.2                 | 0.3                    | 1.4                             | 1.1                             |
| Texas  | 349,245       | 0.0               | 0.0                   | 0.4                    | 15.2            | 15.3             | 0.4             | 15.3   | 1.7                                    | 1.3                 | 0.7                    | 2.1                             | 5.8                             |
| Utah   | 46,290        | 0.0               | 0.0                   | 0.2                    | 8.7             | 9.6              | 0.2             | 9.0    | 1.0                                    | 0.4                 | 0.1                    | 4.9                             | 5.6                             |
| Vermont  | 6,567         | -                 | -                     | 0.1                    | 9.1             | 14.8             | 2.2             | 16.1   | 2.6                                    | 0.5                 | 0.1                    | 4.1                             | 2.0                             |
| Virginia                                       | 95,469        | -                 | 0.1                   | 0.1                    | 17.8            | 19.1             | 0.2             | 17.8   | 0.7                                    | 0.0                 | 0.1                    | 0.3                             | 0.5                             |
| Washington                                     | 79,586        | 0.0               | 0.2                   | 0.4                    | 10.0            | 13.8             | 4.4             | 15.1   | 10.1                                   | 3.7                 | 2.2                    | 9.5                             | 13.8                            |
| West Virginia                                  | 20,728        | 0.2               | 0.0                   | 0.1                    | 12.6            | 13.4             | 0.2             | 13.4   | 0.8                                    | 0.1                 | 0.4                    | 4.5                             | 3.3                             |
| Wisconsin                                      | 68,208        | -                 | 0.0                   | 0.1                    | 28.8            | 28.8             | 0.0             | 28.8   | 0.2                                    | 0.0                 | 0.0                    | 0.2                             | 0.3                             |
| Wyoming  | 6,129         | -                 | -                     | 0.0                    | 14.2            | 14.8             | 0.0             | 14.3   | 0.5                                    | 0.0                 | 0.0                    | 0.7                             | 1.1                             |
| Puerto Rico                                    | 59,563        | -                 | 0.1                   | -                      | 3.0             | 3.8              | ---             | ---    | 0.4                                    | 0.0                 | 0.1                    | 0.4                             | 0.1                             |
| Virgin Islands                                 | 1,671         | -                 | 0.1                   | -                      | 24.8            | 26.5             | 4.4             | 27.5   | 2.6                                    | 0.6                 | 1.1                    | 0.7                             | 2.9                             |
| Guam   | 4,021         | 0.0               | 1.0                   | 0.4                    | 22.9            | 23.9             | 1.2             | 25.4   | 0.6                                    | 1.0                 | 0.3                    | 0.5                             | 0.9                             |
| American Samoa                                 | 1,736         | 0.1               | -                     | 36.6                   | 35.5            | 35.8             | ---             | ---    | ---                                    | -                   | ---                    | ---                             | ---                             |
| Commonwealth of the<br>Northern Marianas Islan | 1,381         | 0.1               | 0.2                   | 0.1                    | 6.4             | 8.5              | ---             | ---    | 15.1                                   | 14.4                | 12.5                   | 15.5                            | 13.3                            |

Table A. Percent of Birth Records on Which Specified Items Were Not Stated: United States and Each State and territory, 1999

[Page 2 of 2]  
[By place of residence]

| Area  | All births | Birth Weight | 5-minute Apgar Score | Medical Risk Factors | Tobacco Use | Alcohol Use | Weight Gain | Obstetric Procedures | Complications of Labor and/or Delivery | Method of Delivery | Abnormal Conditions of Newborn | Congenital Anomalies |
|---|------------|--------------|----------------------|----------------------|-------------|-------------|-------------|----------------------|--|--------------------|--------------------------------|----------------------|
| Total of reporting areas 1/                 | #####      | 0.1          | 0.5                  | 1.6                  | 1.4         | 1.7         | 8.4         | 1.1                  | 1.3                                    | 0.8                | 2.5                            | 1.9                  |
| Alabama                                     | 62,122     | 0.1          | 0.3                  | 0.0                  | 0.0         | 0.1         | 3.4         | 0.0                  | 0.0                                    | 0.3                | 0.0                            | 0.0                  |
| Alaska                                      | 9,950      | 0.4          | 0.6                  | 0.7                  | 0.6         | 0.8         | 2.5         | 0.4                  | 0.6                                    | 0.5                | 0.7                            | 0.9                  |
| Arizona                                     | 81,145     | 0.1          | 0.4                  | 0.0                  | 1.3         | 1.5         | 11.9        | 0.0                  | 0.0                                    | 0.3                | 0.0                            | 0.4                  |
| Arkansas                                    | 36,729     | 0.1          | 3.4                  | 0.2                  | 0.4         | 0.5         | 7.5         | 0.2                  | 0.2                                    | 0.5                | 0.2                            | 0.2                  |
| California                                  | 518,508    | 0.0          | ---                  | 0.0                  | ---         | ---         | ---         | 0.0                  | 0.0                                    | 0.0                | 0.0                            | 0.0                  |
| Colorado                                    | 62,167     | 0.0          | 0.3                  | 0.0                  | 0.1         | 0.1         | 2.9         | -                    | -                                      | -                  | -                              | 0.1                  |
| Connecticut                                 | 43,310     | 0.0          | 1.5                  | 9.8                  | 5.7         | 6.0         | 18.4        | 9.3                  | 10.2                                   | 0.9                | 15.9                           | 16.8                 |
| Delaware                                    | 10,676     | 0.0          | 0.3                  | 0.0                  | 0.3         | 0.3         | 1.6         | 0.0                  | 0.0                                    | -                  | 0.1                            | 0.0                  |
| District of Columbia                        | 7,522      | 0.2          | 1.1                  | 0.0                  | 0.0         | 0.0         | 17.5        | -                    | -                                      | 0.0                | 0.0                            | 0.0                  |
| Florida                                     | 197,023    | 0.0          | 0.2                  | 0.0                  | 0.1         | 0.1         | 4.8         | 0.0                  | 0.0                                    | 0.6                | 0.0                            | 0.0                  |
| Georgia                                     | 126,717    | 0.0          | 0.5                  | 0.3                  | 0.5         | 0.5         | 8.2         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.0                  |
| Hawaii                                      | 17,038     | 0.9          | 1.2                  | 19.6                 | 0.1         | 0.1         | 12.5        | 11.8                 | 10.1                                   | 0.5                | 21.5                           | 23.3                 |
| Idaho                                       | 19,872     | 0.1          | 0.5                  | 0.2                  | 0.5         | 0.6         | 7.1         | 0.2                  | 0.2                                    | 0.4                | 0.5                            | 0.5                  |
| Illinois                                    | 182,068    | 0.1          | 0.3                  | 0.0                  | 0.2         | 0.1         | 4.2         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.1                  |
| Indiana                                     | 86,031     | 0.4          | 0.4                  | 0.2                  | 3/ 0.3      | 0.3         | 2.8         | 0.1                  | 0.2                                    | 0.5                | 0.7                            | 0.7                  |
| Iowa  | 37,558     | 0.0          | 0.3                  | 0.1                  | 2.2         | 2.6         | 6.7         | 0.1                  | 0.1                                    | 0.5                | 0.1                            | 0.1                  |
| Kansas                                      | 38,782     | 0.0          | 0.4                  | 4/ 0.5               | 0.5         | 0.5         | 0.6         | 0.4                  | 0.4                                    | 1.2                | 0.4                            | 0.4                  |
| Kentucky                                    | 54,403     | 0.1          | 0.4                  | 5.3                  | 3.8         | 4.4         | 8.5         | 4.0                  | 6.1                                    | 4.2                | 13.0                           | 11.9                 |
| Louisiana                                   | 67,136     | 0.0          | 0.3                  | 0.1                  | 0.1         | 0.1         | 5.9         | 0.1                  | 0.1                                    | 0.1                | 0.1                            | 0.1                  |
| Maine                                       | 13,616     | 0.1          | 0.2                  | 0.1                  | 1.7         | 2.1         | 1.7         | 0.0                  | 0.0                                    | 0.2                | 0.1                            | 0.1                  |
| Maryland                                    | 71,967     | 0.0          | 0.4                  | 0.0                  | 0.4         | 0.6         | 6.6         | 0.0                  | 0.0                                    | 0.2                | 0.0                            | 0.0                  |
| Massachusetts                               | 80,939     | 0.5          | 0.5                  | 1.0                  | 0.4         | 0.4         | 1.1         | 1.0                  | 1.0                                    | 0.7                | 1.3                            | 1.3                  |
| Michigan                                    | 133,607    | 0.3          | 0.5                  | 0.1                  | 2.1         | 2.1         | 9.6         | 0.1                  | 0.1                                    | 0.5                | 0.1                            | 0.3                  |
| Minnesota                                   | 65,970     | 0.1          | 0.6                  | 7.2                  | 6.6         | 6.7         | 18.2        | 5.8                  | 6.7                                    | 3.3                | 7.5                            | 7.9                  |
| Mississippi                                 | 42,684     | 0.1          | 0.3                  | 0.1                  | 0.2         | 0.3         | 5.1         | 0.0                  | 0.1                                    | 0.3                | 0.1                            | 0.1                  |
| Missouri                                    | 75,432     | 0.0          | 0.5                  | 0.1                  | 0.3         | 0.4         | 2.9         | 0.1                  | 0.1                                    | 0.6                | 0.1                            | 0.1                  |
| Montana                                     | 10,785     | 0.0          | 0.4                  | 0.1                  | 0.9         | 1.4         | 1.7         | 0.1                  | 0.1                                    | 0.3                | 0.1                            | 0.2                  |
| Nebraska                                    | 23,907     | 0.0          | 0.2                  | 0.0                  | 0.8         | 0.8         | 1.7         | 0.0                  | 0.0                                    | 0.3                | 0.1                            | 0.0                  |
| Nevada                                      | 29,362     | 0.1          | 1.4                  | 9.4                  | 2.0         | 2.2         | 11.8        | 1.2                  | 6.4                                    | 0.8                | 11.2                           | 11.7                 |
| New Hampshire                               | 14,041     | 0.3          | 0.4                  | 0.1                  | 0.3         | 0.3         | 4.1         | 0.1                  | 0.1                                    | 0.3                | 0.1                            | 0.1                  |
| New Jersey                                  | 114,105    | 0.1          | 0.3                  | 1.2                  | 0.6         | 0.8         | 7.2         | 0.1                  | 0.8                                    | 0.4                | 24.8                           | 1.7                  |
| New Mexico                                  | 27,191     | 0.3          | 3.3                  | 0.1                  | 2.4         | 2.4         | 11.1        | 0.0                  | 0.0                                    | 0.6                | 0.2                            | ---                  |
| New York                                    | 255,612    | 0.1          | 0.2                  | 1.3                  | 3/ 0.2      | 0.2         | 9.7         | 0.2                  | 0.4                                    | 0.3                | 7/ 0.9                         | 0.9                  |
| North Carolina                              | 113,795    | 0.1          | 0.4                  | 0.0                  | 0.2         | 0.2         | 2.5         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.0                  |
| North Dakota                                | 7,639      | 0.1          | 0.3                  | 0.4                  | 0.7         | 1.2         | 1.6         | 0.3                  | 0.3                                    | 1.3                | 0.6                            | 0.5                  |
| Ohio  | 152,584    | 0.1          | 0.2                  | 0.1                  | 0.4         | 0.4         | 2.8         | 0.1                  | 0.1                                    | 0.6                | 0.1                            | 0.1                  |
| Oklahoma                                    | 49,010     | 0.6          | 6.1                  | 37.9                 | 28.7        | 29.0        | 37.9        | 33.9                 | 37.0                                   | 28.9               | 40.9                           | 41.2                 |
| Oregon                                      | 45,204     | 0.0          | 0.5                  | 1.0                  | 0.9         | 1.0         | 3.3         | 0.0                  | 0.0                                    | 0.3                | 0.1                            | 0.1                  |
| Pennsylvania                                | 145,347    | 0.1          | 0.4                  | 0.1                  | 0.6         | 0.7         | 9.3         | 0.0                  | 0.0                                    | 0.0                | 0.6                            | 0.5                  |
| Rhode Island                                | 12,366     | 0.5          | 0.4                  | 6.8                  | 2.8         | 2.9         | 12.3        | 6.5                  | 6.6                                    | 0.4                | 14.7                           | 14.7                 |
| South Carolina                              | 54,948     | 0.0          | 0.3                  | 0.0                  | 0.2         | 0.2         | 2.6         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.0                  |
| South Dakota                                | 10,524     | 0.0          | 0.4                  | 0.1                  | ---         | ---         | 1.1         | 0.1                  | 0.0                                    | 0.1                | 0.0                            | 0.0                  |
| Tennessee                                   | 77,803     | 0.0          | 0.3                  | 0.1                  | 0.2         | 0.2         | 5.5         | 0.1                  | 0.1                                    | 0.6                | 0.1                            | 0.1                  |
| Texas                                       | 349,245    | 0.1          | ---                  | 5/ 1.4               | 1.4         | 1.4         | 18.5        | 0.0                  | 8/ 0.0                                 | 0.9                | 6/ 0.3                         | 0.4                  |
| Utah  | 46,290     | 0.1          | 0.4                  | 0.1                  | 0.3         | 0.4         | 3.8         | 0.0                  | 0.0                                    | 0.0                | 0.2                            | 0.2                  |
| Vermont                                     | 6,567      | 0.3          | 0.4                  | 0.2                  | 0.4         | 0.4         | 1.4         | 0.2                  | 0.2                                    | 0.1                | 0.3                            | 0.2                  |
| Virginia                                    | 95,469     | 0.1          | 0.3                  | 0.2                  | 0.0         | 0.0         | 2.2         | 0.0                  | 0.2                                    | 0.3                | 0.5                            | 0.3                  |
| Washington                                  | 79,586     | 1.2          | 0.9                  | 16.3                 | 6.5         | 16.1        | 26.1        | 12.8                 | 15.5                                   | 0.5                | 20.3                           | 17.8                 |
| West Virginia                               | 20,728     | 0.1          | 0.3                  | 1.0                  | 1.5         | 3.2         | 8.9         | 0.2                  | 1.3                                    | 0.4                | 2.6                            | 2.5                  |
| Wisconsin                                   | 68,208     | 0.0          | 0.4                  | 0.1                  | 0.1         | 0.1         | 1.8         | 0.1                  | 0.1                                    | 0.0                | 9/ 0.1                         | 0.1                  |
| Wyoming                                     | 6,129      | 0.0          | 0.5                  | 0.0                  | 1.1         | 1.2         | 2.6         | 0.0                  | 0.0                                    | 0.2                | 0.0                            | 0.0                  |
| Puerto Rico                                 | 59,563     | 0.0          | 0.1                  | 0.0                  | 0.0         | 0.0         | 0.1         | 0.0                  | 0.1                                    | 0.0                | 0.1                            | 0.1                  |
| Virgin Islands                              | 1,671      | 0.2          | 3.3                  | 7.2                  | 1.7         | 1.8         | 7.8         | 2.0                  | 8.2                                    | 2.7                | 8.0                            | 7.4                  |
| Guam  | 4,021      | 0.2          | 1.6                  | 2.8                  | 0.8         | 0.9         | 5.1         | 1.1                  | 3.5                                    | 0.6                | 2.9                            | 2.8                  |
| American Samoa                              | 1,736      | -            | ---                  | ---                  | ---         | ---         | ---         | ---                  | ---                                    | ---                | ---                            | ---                  |
| Commonwealth of the Northern Marianas Islan | 1,381      | 5.8          | 10.4                 | ---                  | 10/ 16.0    | 10/ 16.1    | ---         | ---                  | ---                                    | 9.8                | ---                            | ---                  |

0.0 Quantity more than zero but less than 0.05.

---Data not available.

- Quantity zero.

1/ Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas.

2/ California reports date last normal menses began but does not report clinical estimate of gestation.

3/ Indiana and New York State report tobacco use but do not report the average number of cigarettes smoked per day in standard categories; data for New York City are reported in standard categories.

4/ Kansas does not report Rh sensitization.

5/ Texas does not report genital herpes and uterine bleeding.

6/ Nebraska and Texas do not report birth injury.

7/ New York city does not report assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more.

8/ Texas does not report anesthetic complications and fetal distress.

9/ Wisconsin does not report fetal alcohol syndrome.

10/ The Commonwealth of the Northern Marianas reports tobacco and alcohol use, but does not report the average number of cigarettes smoked per day or the average number of drinks per day.

Table B. Births by State of Occurrence and Residence for Births Occurring in the 50 States and the District of Columbia, 1999

| Area  | Occurrence | Residence |
|---|------------|-----------|
| United States                                       | 3,963,465  | 3,959,417 |
| Alabama   | 61,337     | 62,122    |
| Alaska  | 9,843      | 9,950     |
| Arizona   | 81,208     | 81,145    |
| Arkansas  | 35,629     | 36,729    |
| California  | 519,102    | 518,508   |
| Colorado  | 62,387     | 62,167    |
| Connecticut   | 43,253     | 43,310    |
| Delaware  | 11,306     | 10,676    |
| District of Columbia                                | 14,655     | 7,522     |
| Florida   | 197,153    | 197,023   |
| Georgia   | 127,581    | 126,717   |
| Hawaii  | 17,096     | 17,038    |
| Idaho   | 19,413     | 19,872    |
| Illinois  | 179,094    | 182,068   |
| Indiana   | 86,211     | 86,031    |
| Iowa  | 37,701     | 37,558    |
| Kansas  | 38,231     | 38,782    |
| Kentucky  | 52,829     | 54,403    |
| Louisiana   | 67,419     | 67,136    |
| Maine   | 13,393     | 13,616    |
| Maryland  | 67,605     | 71,967    |
| Massachusetts                                       | 81,767     | 80,939    |
| Michigan  | 132,307    | 133,607   |
| Minnesota   | 65,787     | 65,970    |
| Mississippi   | 41,747     | 42,684    |
| Missouri  | 77,371     | 75,432    |
| Montana   | 10,747     | 10,785    |
| Nebraska  | 24,210     | 23,907    |
| Nevada  | 28,892     | 29,362    |
| New Hampshire                                       | 13,684     | 14,041    |
| New Jersey  | 110,992    | 114,105   |
| New Mexico  | 26,870     | 27,191    |
| New York State only                                 | 133,425    | 136,273   |
| New York City only                                  | 123,713    | 119,339   |
| North Carolina                                      | 114,885    | 113,795   |
| North Dakota  | 8,879      | 7,639     |
| Ohio  | 153,257    | 152,584   |
| Oklahoma  | 47,908     | 49,010    |
| Oregon  | 46,106     | 45,204    |
| Pennsylvania  | 145,882    | 145,347   |
| Rhode Island  | 13,223     | 12,366    |
| South Carolina                                      | 52,594     | 54,948    |
| South Dakota  | 10,673     | 10,524    |
| Tennessee   | 82,963     | 77,803    |
| Texas   | 352,970    | 349,245   |
| Utah  | 47,261     | 46,290    |
| Vermont   | 6,220      | 6,567     |
| Virginia  | 93,293     | 95,469    |
| Washington  | 79,062     | 79,586    |
| West Virginia                                       | 21,376     | 20,728    |
| Wisconsin   | 67,192     | 68,208    |
| Wyoming   | 5,763      | 6,129     |
| Occurrence in U.S. Territories or Foreign Countries | -          | 4,048     |
| Puerto Rico   | -          | 19        |
| Virgin Islands                                      | -          | 19        |
| Guam  | -          | 4         |
| American Samoa                                      | -          | -         |
| Northern Marianas                                   | -          | -         |
| Canada  | -          | 175       |
| Cuba  | -          | -         |
| Mexico  | -          | 3,069     |
| Remainder of world                                  | -          | 762       |

- Quantity zero.

Table C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births,  $B$

| $B$ | $L(1- \alpha=.95,B)$ | $U(1- \alpha=.95,B)$ | $L(1- \alpha=.96,B)$ | $U(1- \alpha=.96,B)$ |
|-----|----------------------|----------------------|----------------------|----------------------|
| 1   | 0.02532              | 5.57164              | 0.02020              | 5.83392              |
| 2   | 0.12110              | 3.61234              | 0.10735              | 3.75830              |
| 3   | 0.20622              | 2.92242              | 0.18907              | 3.02804              |
| 4   | 0.27247              | 2.56040              | 0.25406              | 2.64510              |
| 5   | 0.32470              | 2.33367              | 0.30591              | 2.40540              |
| 6   | 0.36698              | 2.17658              | 0.34819              | 2.23940              |
| 7   | 0.40205              | 2.06038              | 0.38344              | 2.11666              |
| 8   | 0.43173              | 1.97040              | 0.41339              | 2.02164              |
| 9   | 0.45726              | 1.89831              | 0.43923              | 1.94553              |
| 10  | 0.47954              | 1.83904              | 0.46183              | 1.88297              |
| 11  | 0.49920              | 1.78928              | 0.48182              | 1.83047              |
| 12  | 0.51671              | 1.74680              | 0.49966              | 1.78566              |
| 13  | 0.53246              | 1.71003              | 0.51571              | 1.74688              |
| 14  | 0.54671              | 1.67783              | 0.53027              | 1.71292              |
| 15  | 0.55969              | 1.64935              | 0.54354              | 1.68289              |
| 16  | 0.57159              | 1.62394              | 0.55571              | 1.65610              |
| 17  | 0.58254              | 1.60110              | 0.56692              | 1.63203              |
| 18  | 0.59266              | 1.58043              | 0.57730              | 1.61024              |
| 19  | 0.60207              | 1.56162              | 0.58695              | 1.59042              |
| 20  | 0.61083              | 1.54442              | 0.59594              | 1.57230              |
| 21  | 0.61902              | 1.52861              | 0.60435              | 1.55563              |
| 22  | 0.62669              | 1.51401              | 0.61224              | 1.54026              |
| 23  | 0.63391              | 1.50049              | 0.61966              | 1.52602              |
| 24  | 0.64072              | 1.48792              | 0.62666              | 1.51278              |
| 25  | 0.64715              | 1.47620              | 0.63328              | 1.50043              |
| 26  | 0.65323              | 1.46523              | 0.63954              | 1.48888              |

Table C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births,  $B$

| $B$ | $L(1 - \alpha = .95, B)$ | $U(1 - \alpha = .95, B)$ | $L(1 - \alpha = .96, B)$ | $U(1 - \alpha = .96, B)$ |
|-----|--------------------------|--------------------------|--------------------------|--------------------------|
| 27  | 0.65901                  | 1.45495                  | 0.64549                  | 1.47805                  |
| 28  | 0.66449                  | 1.44528                  | 0.65114                  | 1.46787                  |
| 29  | 0.66972                  | 1.43617                  | 0.65652                  | 1.45827                  |
| 30  | 0.67470                  | 1.42756                  | 0.66166                  | 1.44922                  |
| 31  | 0.67945                  | 1.41942                  | 0.66656                  | 1.44064                  |
| 32  | 0.68400                  | 1.41170                  | 0.67125                  | 1.43252                  |
| 33  | 0.68835                  | 1.40437                  | 0.67575                  | 1.42480                  |
| 34  | 0.69253                  | 1.39740                  | 0.68005                  | 1.41746                  |
| 35  | 0.69654                  | 1.39076                  | 0.68419                  | 1.41047                  |
| 36  | 0.70039                  | 1.38442                  | 0.68817                  | 1.40380                  |
| 37  | 0.70409                  | 1.37837                  | 0.69199                  | 1.39743                  |
| 38  | 0.70766                  | 1.37258                  | 0.69568                  | 1.39134                  |
| 39  | 0.71110                  | 1.36703                  | 0.69923                  | 1.38550                  |
| 40  | 0.71441                  | 1.36172                  | 0.70266                  | 1.37991                  |
| 41  | 0.71762                  | 1.35661                  | 0.70597                  | 1.37454                  |
| 42  | 0.72071                  | 1.35171                  | 0.70917                  | 1.36938                  |
| 43  | 0.72370                  | 1.34699                  | 0.71227                  | 1.36442                  |
| 44  | 0.72660                  | 1.34245                  | 0.71526                  | 1.35964                  |
| 45  | 0.72941                  | 1.33808                  | 0.71816                  | 1.35504                  |
| 46  | 0.73213                  | 1.33386                  | 0.72098                  | 1.35060                  |
| 47  | 0.73476                  | 1.32979                  | 0.72370                  | 1.34632                  |
| 48  | 0.73732                  | 1.32585                  | 0.72635                  | 1.34218                  |
| 49  | 0.73981                  | 1.32205                  | 0.72892                  | 1.33818                  |
| 50  | 0.74222                  | 1.31838                  | 0.73142                  | 1.33431                  |
| 51  | 0.74457                  | 1.31482                  | 0.73385                  | 1.33057                  |
| 52  | 0.74685                  | 1.31137                  | 0.73621                  | 1.32694                  |

Table C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births,  $B$

| $B$ | $L(1- \alpha=.95,B)$ | $U(1- \alpha=.95,B)$ | $L(1- \alpha=.96,B)$ | $U(1- \alpha=.96,B)$ |
|-----|----------------------|----------------------|----------------------|----------------------|
| 53  | 0.74907              | 1.30802              | 0.73851              | 1.32342              |
| 54  | 0.75123              | 1.30478              | 0.74075              | 1.32002              |
| 55  | 0.75334              | 1.30164              | 0.74293              | 1.31671              |
| 56  | 0.75539              | 1.29858              | 0.74506              | 1.31349              |
| 57  | 0.75739              | 1.29562              | 0.74713              | 1.31037              |
| 58  | 0.75934              | 1.29273              | 0.74916              | 1.30734              |
| 59  | 0.76125              | 1.28993              | 0.75113              | 1.30439              |
| 60  | 0.76311              | 1.28720              | 0.75306              | 1.30152              |
| 61  | 0.76492              | 1.28454              | 0.75494              | 1.29873              |
| 62  | 0.76669              | 1.28195              | 0.75678              | 1.29601              |
| 63  | 0.76843              | 1.27943              | 0.75857              | 1.29336              |
| 64  | 0.77012              | 1.27698              | 0.76033              | 1.29077              |
| 65  | 0.77178              | 1.27458              | 0.76205              | 1.28826              |
| 66  | 0.77340              | 1.27225              | 0.76373              | 1.28580              |
| 67  | 0.77499              | 1.26996              | 0.76537              | 1.28340              |
| 68  | 0.77654              | 1.26774              | 0.76698              | 1.28106              |
| 69  | 0.77806              | 1.26556              | 0.76856              | 1.27877              |
| 70  | 0.77955              | 1.26344              | 0.77011              | 1.27654              |
| 71  | 0.78101              | 1.26136              | 0.77162              | 1.27436              |
| 72  | 0.78244              | 1.25933              | 0.77310              | 1.27223              |
| 73  | 0.78384              | 1.25735              | 0.77456              | 1.27014              |
| 74  | 0.78522              | 1.25541              | 0.77598              | 1.26810              |
| 75  | 0.78656              | 1.25351              | 0.77738              | 1.26610              |
| 76  | 0.78789              | 1.25165              | 0.77876              | 1.26415              |
| 77  | 0.78918              | 1.24983              | 0.78010              | 1.26223              |
| 78  | 0.79046              | 1.24805              | 0.78143              | 1.26036              |

Table C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births,  $B$

| $B$ | $L(1 - \alpha = .95, B)$ | $U(1 - \alpha = .95, B)$ | $L(1 - \alpha = .96, B)$ | $U(1 - \alpha = .96, B)$ |
|-----|--------------------------|--------------------------|--------------------------|--------------------------|
| 79  | 0.79171                  | 1.24630                  | 0.78272                  | 1.25852                  |
| 80  | 0.79294                  | 1.24459                  | 0.78400                  | 1.25672                  |
| 81  | 0.79414                  | 1.24291                  | 0.78525                  | 1.25496                  |
| 82  | 0.79533                  | 1.24126                  | 0.78648                  | 1.25323                  |
| 83  | 0.79649                  | 1.23965                  | 0.78769                  | 1.25153                  |
| 84  | 0.79764                  | 1.23807                  | 0.78888                  | 1.24987                  |
| 85  | 0.79876                  | 1.23652                  | 0.79005                  | 1.24824                  |
| 86  | 0.79987                  | 1.23499                  | 0.79120                  | 1.24664                  |
| 87  | 0.80096                  | 1.23350                  | 0.79233                  | 1.24507                  |
| 88  | 0.80203                  | 1.23203                  | 0.79344                  | 1.24352                  |
| 89  | 0.80308                  | 1.23059                  | 0.79453                  | 1.24201                  |
| 90  | 0.80412                  | 1.22917                  | 0.79561                  | 1.24052                  |
| 91  | 0.80514                  | 1.22778                  | 0.79667                  | 1.23906                  |
| 92  | 0.80614                  | 1.22641                  | 0.79771                  | 1.23762                  |
| 93  | 0.80713                  | 1.22507                  | 0.79874                  | 1.23621                  |
| 94  | 0.80810                  | 1.22375                  | 0.79975                  | 1.23482                  |
| 95  | 0.80906                  | 1.22245                  | 0.80074                  | 1.23345                  |
| 96  | 0.81000                  | 1.22117                  | 0.80172                  | 1.23211                  |
| 97  | 0.81093                  | 1.21992                  | 0.80269                  | 1.23079                  |
| 98  | 0.81185                  | 1.21868                  | 0.80364                  | 1.22949                  |
| 99  | 0.81275                  | 1.21746                  | 0.80458                  | 1.22822                  |

Table D. Sources for resident population and population including Armed Forces abroad: Birth- and death-registration States, 1900-1932, and United States, 1900-1999.

| Year           | Source   |
|----------------|--|
| 1999-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1999. Washington: U.S. Bureau of the Census. Internet release, Jan. 2, 2001.<br><a href="http://www.census.gov/population/estimates/nation/intfile3-1.txt">Http://www.census.gov/population/estimates/nation/intfile3-1.txt</a> . |
| 1998-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1998. Washington: U.S. Bureau of the Census. Internet release, June 4, 1999.<br><a href="http://www.census.gov/population/www/estimates/uspop.html">Http://www.census.gov/population/www/estimates/uspop.html</a> .               |
| 1997-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1997. PPL-91R. Rounded populations consistent with U.S. Bureau of the Census file NESTV97. Washington:U.S. Department of Commerce. 1998.  |
| 1996-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1996. PPL-57. Washington:U.S. Department of Commerce. 1997.   |
| 1995-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1995. Census file RESD0795, PPL-41. Washington:U.S. Department of Commerce. 1996.   |
| 1994-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1994. PPL-21. Washington:U.S. Department of Commerce. 1995.   |
| 1993-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1993. Census file RESO793. Washington:U.S. Department of Commerce. 1995.  |
| 1992-----      | U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1992. Census file RESPO792. Washington:U.S. Department of Commerce. 1994.   |
| 1991-----      | U.S. Bureau of the Census, Unpublished data consistant with Current Population Reports, Series P-25, No. 1095, Feb. 1993.  |
| 1990-----      | U.S. Bureau of the Census, Unpublished data from the 1990 census. 1990 CPH-L-74 and unpublished data consistent with Current Population Reports, Series P-25, No. 1095, Feb. 1993.   |
| 1989-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1057, Mar. 1990.   |
| 1988-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1045, Jan. 1990.   |
| 1986-87-----   | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1022, Mar. 1988.   |
| 1985-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1000, Feb. 1987.   |
| 1984-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 985, Apr. 1986.  |
| 1983-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 965, Mar. 1985.  |
| 1982-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 949, May 1984.   |
| 1981-----      | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 929, May 1983.   |
| 1980-----      | U.S. Bureau of the Census, U.S. Census of Population: 1980, Number of Inhabitants, PC80-1-A1, United States Summary, 1983.   |
| 1971-79-----   | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 917, July 1982.  |
| 1970-----      | U.S. Bureau of the Census, U.S. Census of Population: 1970, Number of Inhabitants, Final Report PC(1)-A1, United States Summary, 1971.   |
| 1961-69-----   | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 519, April 1974.   |
| 1960-----      | U.S. Bureau of the Census, U.S. Census of Population: 1960, Number of Inhabitants, PC(1)-A1, United States Summary, 1964.  |
| 1951-59-----   | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 310, June 30, 1965.  |
| 1940-50-----   | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 499, May 1973.   |
| 1930-39-----   | U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 499, May 1973, and National Office of Vital Statistics, Vital Statistics Rates in the United States, 1900-1940, 1947.  |
| 1920-29-----   | National Office of Vital Statistics, Vital Statistics Rates in the United States, 1900-1940, 1947.   |
| 1917-19-----   | Same as for 1930-39.   |
| 1900-1916----- | Same as for 1920-29.   |





Table 4-1. Population of Birth- and Death-Registration States, 1900-1932, and United States, 1900-1999

(Population enumerated as of April 1 for 1940, 1950, 1960, 1970, 1980 and 1990 and estimated as of July 1 for all other years)

| Year | United States/1                          |                             | Year | United States/1                          |                             | Birth-registration States |                             | Death-registration States |                             |
|------|--|-----------------------------|------|--|-----------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|
|      | Population including Armed Forces abroad | Population residing in area |      | Population including Armed Forces abroad | Population residing in area | Number of States/2        | Population residing in area | Number of States/2        | Population residing in area |
| 1999 | 272,945,300                              | 272,690,813                 | 1949 | 149,188,000                              | 148,665,000                 | ...                       | ...                         | ...                       | ...                         |
| 1998 | 270,509,187                              | 270,298,524                 | 1948 | 146,631,000                              | 146,093,000                 | ...                       | ...                         | ...                       | ...                         |
| 1997 | 267,901,000                              | 267,636,061                 | 1947 | 144,126,000                              | 143,446,000                 | ...                       | ...                         | ...                       | ...                         |
| 1996 | 265,556,890                              | 265,283,783                 | 1946 | 141,389,000                              | 140,054,000                 | ...                       | ...                         | ...                       | ...                         |
| 1995 | 263,033,968                              | 262,755,270                 | 1945 | 139,928,000                              | 132,481,000                 | ...                       | ...                         | ...                       | ...                         |
| 1994 | 260,650,690                              | 260,340,990                 | 1944 | 138,397,000                              | 132,885,000                 | ...                       | ...                         | ...                       | ...                         |
| 1993 | 258,119,768                              | 257,783,004                 | 1943 | 136,739,000                              | 134,245,000                 | ...                       | ...                         | ...                       | ...                         |
| 1992 | 255,457,501                              | 255,077,536                 | 1942 | 134,860,000                              | 133,920,000                 | ...                       | ...                         | ...                       | ...                         |
| 1991 | 252,688,000                              | 252,177,000                 | 1941 | 133,402,000                              | 133,121,000                 | ...                       | ...                         | ...                       | ...                         |
| 1990 | 249,225,000                              | 248,709,873                 | 1940 | 131,820,000                              | 131,669,275                 | ...                       | ...                         | ...                       | ...                         |
| 1989 | 247,342,000                              | 246,819,000                 | 1939 | 131,028,000                              | 130,879,718                 | ...                       | ...                         | ...                       | ...                         |
| 1988 | 245,021,000                              | 244,499,000                 | 1938 | 129,969,000                              | 129,824,939                 | ...                       | ...                         | ...                       | ...                         |
| 1987 | 242,804,000                              | 242,289,000                 | 1937 | 128,961,000                              | 128,824,829                 | ...                       | ...                         | ...                       | ...                         |
| 1986 | 240,651,000                              | 240,133,000                 | 1936 | 128,181,000                              | 128,053,180                 | ...                       | ...                         | ...                       | ...                         |
| 1985 | 238,466,000                              | 237,924,000                 | 1935 | 127,362,000                              | 127,250,232                 | ...                       | ...                         | ...                       | ...                         |
| 1984 | 236,348,000                              | 235,825,000                 | 1934 | 126,485,000                              | 126,373,773                 | ...                       | ...                         | ...                       | ...                         |
| 1983 | 234,307,000                              | 233,792,000                 | 1933 | 125,690,000                              | 125,578,763                 | ...                       | ...                         | ...                       | ...                         |
| 1982 | 232,188,000                              | 231,664,000                 | 1932 | 124,949,000                              | 124,840,471                 | 47                        | 118,903,899                 | 47                        | 118,903,899                 |
| 1981 | 229,966,000                              | 229,466,000                 | 1931 | 124,149,000                              | 124,039,648                 | 46                        | 117,455,229                 | 47                        | 118,148,987                 |
| 1980 | 227,061,000                              | 226,545,805                 | 1930 | 123,188,000                              | 123,076,741                 | 46                        | 116,544,946                 | 47                        | 117,238,278                 |
| 1979 | 225,055,000                              | 224,567,000                 | 1929 | ---                                      | 121,769,939                 | 46                        | 115,317,450                 | 46                        | 115,317,450                 |
| 1978 | 222,585,000                              | 222,095,000                 | 1928 | ---                                      | 120,501,115                 | 44                        | 113,636,160                 | 44                        | 113,636,160                 |
| 1977 | 220,239,000                              | 219,760,000                 | 1927 | ---                                      | 119,038,062                 | 40                        | 104,320,830                 | 42                        | 107,084,532                 |
| 1976 | 218,035,000                              | 217,563,000                 | 1926 | ---                                      | 117,399,225                 | 35                        | 90,400,590                  | 41                        | 103,822,683                 |
| 1975 | 215,973,000                              | 215,465,000                 | 1925 | ---                                      | 115,831,963                 | 33                        | 88,294,564                  | 40                        | 102,031,555                 |
| 1974 | 213,854,000                              | 213,342,000                 | 1924 | ---                                      | 114,113,463                 | 33                        | 87,000,295                  | 39                        | 99,318,098                  |
| 1973 | 211,909,000                              | 211,357,000                 | 1923 | ---                                      | 111,949,945                 | 30                        | 81,072,123                  | 38                        | 96,788,197                  |
| 1972 | 209,896,000                              | 209,284,000                 | 1922 | ---                                      | 110,054,778                 | 30                        | 79,560,746                  | 37                        | 92,702,901                  |
| 1971 | 207,661,000                              | 206,827,000                 | 1921 | ---                                      | 108,541,489                 | 27                        | 70,807,090                  | 34                        | 87,814,447                  |
| 1970 | 204,270,000                              | 203,211,926                 | 1920 | ---                                      | 106,466,420                 | 23                        | 63,597,307                  | 34                        | 86,079,263                  |
| 1969 | 202,677,000                              | 201,385,000                 | 1919 | 105,063,000                              | 104,512,110                 | 22                        | 61,212,076                  | 33                        | 83,157,982                  |
| 1968 | 200,706,000                              | 199,399,000                 | 1918 | 104,550,000                              | 103,202,801                 | 20                        | 55,153,782                  | 30                        | 79,008,412                  |
| 1967 | 198,712,000                              | 197,457,000                 | 1917 | 103,414,000                              | 103,265,913                 | 20                        | 55,197,952                  | 27                        | 70,234,775                  |
| 1966 | 196,560,000                              | 195,576,000                 | 1916 | ---                                      | 101,965,984                 | 11                        | 32,944,013                  | 26                        | 66,971,177                  |
| 1965 | 194,303,000                              | 193,526,000                 | 1915 | ---                                      | 100,549,013                 | 10                        | 31,096,697                  | 24                        | 61,894,847                  |
| 1964 | 191,889,000                              | 191,141,000                 | 1914 | ---                                      | 99,117,567                  | ...                       | ...                         | 24                        | 60,963,309                  |
| 1963 | 189,242,000                              | 188,483,000                 | 1913 | ---                                      | 97,226,814                  | ...                       | ...                         | 23                        | 58,156,740                  |
| 1962 | 186,538,000                              | 185,771,000                 | 1912 | ---                                      | 95,331,300                  | ...                       | ...                         | 22                        | 54,847,700                  |
| 1961 | 183,691,000                              | 182,992,000                 | 1911 | ---                                      | 93,867,814                  | ...                       | ...                         | 22                        | 53,929,644                  |
| 1960 | 179,933,000                              | 179,323,175                 | 1910 | ---                                      | 92,406,536                  | ...                       | ...                         | 20                        | 47,470,437                  |
| 1959 | 177,264,000                              | 176,513,000                 | 1909 | ---                                      | 90,491,525                  | ...                       | ...                         | 18                        | 44,223,513                  |
| 1958 | 174,141,000                              | 173,320,000                 | 1908 | ---                                      | 88,708,976                  | ...                       | ...                         | 17                        | 38,634,759                  |
| 1957 | 171,274,000                              | 170,371,000                 | 1907 | ---                                      | 87,000,271                  | ...                       | ...                         | 15                        | 34,552,837                  |
| 1956 | 168,221,000                              | 167,306,000                 | 1906 | ---                                      | 85,436,556                  | ...                       | ...                         | 15                        | 33,782,288                  |
| 1955 | 165,275,000                              | 164,308,000                 | 1905 | ---                                      | 83,819,666                  | ...                       | ...                         | 10                        | 21,767,980                  |
| 1954 | 162,391,000                              | 161,164,000                 | 1904 | ---                                      | 82,164,974                  | ...                       | ...                         | 10                        | 21,332,076                  |
| 1953 | 159,565,000                              | 158,242,000                 | 1903 | ---                                      | 80,632,152                  | ...                       | ...                         | 10                        | 20,943,222                  |
| 1952 | 156,954,000                              | 155,687,000                 | 1902 | ---                                      | 79,160,196                  | ...                       | ...                         | 10                        | 20,582,907                  |
| 1951 | 154,287,000                              | 153,310,000                 | 1901 | ---                                      | 77,585,128                  | ...                       | ...                         | 10                        | 20,237,453                  |
| 1950 | 151,132,000                              | 150,697,361                 | 1900 | ---                                      | 76,094,134                  | ...                       | ...                         | 10                        | 19,965,446                  |

--- Data not available

... Category not applicable

1/Alaska included beginning 1959 and Hawaii, 1960.

2/The District of Columbia is not included in "Number of States," but it is represented in all data shown for each year.

SOURCE: Published and unpublished data from the U.S. Bureau of the Census; see text.

Table 4-2. Estimated Population of the United States, by Age, Race, and Sex: July 1, 1999

[Figures include Armed Forces stationed in the United States but exclude those stationed outside the United States.]

| Age         | All races   |             |             | White       |             |             | Black      |            |            | American Indian |           |           | Asian and Pacific Islander |           |           |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-----------------|-----------|-----------|----------------------------|-----------|-----------|
|             | Both sexes  | Male        | Female      | Both sexes  | Male        | Female      | Both sexes | Male       | Female     | Both sexes      | Male      | Female    | Both sexes                 | Male      | Female    |
| All ages    | 272,690,813 | 133,276,559 | 139,414,254 | 224,610,797 | 110,336,291 | 114,274,506 | 34,862,169 | 16,557,186 | 18,304,983 | 2,397,426       | 1,186,745 | 1,210,681 | 10,820,421                 | 5,196,337 | 5,624,084 |
| Under 1     | 3,819,903   | 1,952,133   | 1,867,770   | 3,027,180   | 1,549,389   | 1,477,791   | 568,772    | 289,078    | 279,694    | 42,542          | 21,442    | 21,100    | 181,409                    | 92,224    | 89,185    |
| 1-4 years   | 15,122,239  | 7,730,542   | 7,391,697   | 12,015,456  | 6,155,680   | 5,859,776   | 2,226,888  | 1,129,687  | 1,097,201  | 159,576         | 80,755    | 78,821    | 720,319                    | 364,420   | 355,899   |
| 5-9 years   | 19,946,746  | 10,207,957  | 9,738,789   | 15,706,268  | 8,047,451   | 7,658,817   | 3,145,614  | 1,597,522  | 1,548,092  | 219,430         | 111,364   | 108,066   | 875,434                    | 451,620   | 423,814   |
| 10-14 years | 19,548,484  | 10,011,707  | 9,536,777   | 15,388,526  | 7,892,905   | 7,495,621   | 3,087,258  | 1,569,095  | 1,518,163  | 248,536         | 126,289   | 122,247   | 824,164                    | 423,418   | 400,746   |
| 15-19 years | 19,747,923  | 10,150,997  | 9,596,926   | 15,647,637  | 8,069,271   | 7,578,366   | 3,043,767  | 1,548,256  | 1,495,511  | 234,657         | 117,925   | 116,732   | 821,862                    | 415,545   | 406,317   |
| 15-17 years | 11,762,063  | 6,058,282   | 5,703,781   | 9,304,359   | 4,803,475   | 4,500,884   | 1,807,421  | 924,663    | 882,758    | 145,820         | 73,686    | 72,134    | 504,463                    | 256,458   | 248,005   |
| 18-19 years | 7,985,860   | 4,092,715   | 3,893,145   | 6,343,278   | 3,265,796   | 3,077,482   | 1,236,346  | 623,593    | 612,753    | 88,837          | 44,239    | 44,598    | 317,399                    | 159,087   | 158,312   |
| 20-24 years | 18,025,589  | 9,183,052   | 8,842,537   | 14,367,068  | 7,371,872   | 6,995,196   | 2,696,655  | 1,333,366  | 1,363,289  | 194,322         | 97,858    | 96,464    | 767,544                    | 379,956   | 387,588   |
| 25-29 years | 18,209,100  | 9,055,292   | 9,153,808   | 14,504,772  | 7,289,220   | 7,215,552   | 2,611,248  | 1,248,879  | 1,362,369  | 193,241         | 99,069    | 94,172    | 899,839                    | 418,124   | 481,715   |
| 30-34 years | 19,726,712  | 9,770,996   | 9,955,716   | 15,926,621  | 7,984,101   | 7,942,520   | 2,675,415  | 1,256,405  | 1,419,010  | 180,806         | 92,200    | 88,606    | 943,870                    | 438,290   | 505,580   |
| 35-39 years | 22,544,607  | 11,215,732  | 11,328,875  | 18,503,500  | 9,302,148   | 9,201,352   | 2,901,808  | 1,364,864  | 1,536,944  | 185,829         | 93,253    | 92,576    | 953,470                    | 455,467   | 498,003   |
| 40-44 years | 22,268,042  | 11,038,584  | 11,229,458  | 18,443,045  | 9,238,092   | 9,204,953   | 2,750,550  | 1,288,831  | 1,461,719  | 172,940         | 84,866    | 88,074    | 901,507                    | 426,795   | 474,712   |
| 45-49 years | 19,356,220  | 9,500,663   | 9,855,557   | 16,205,941  | 8,047,476   | 8,158,465   | 2,239,697  | 1,025,799  | 1,213,898  | 143,280         | 69,542    | 73,738    | 767,302                    | 357,846   | 409,456   |
| 50-54 years | 16,446,138  | 7,998,425   | 8,447,713   | 14,043,588  | 6,906,744   | 7,136,844   | 1,688,828  | 757,911    | 930,917    | 112,728         | 54,150    | 58,578    | 600,994                    | 279,620   | 321,374   |
| 55-59 years | 12,875,299  | 6,182,625   | 6,692,674   | 11,077,469  | 5,379,073   | 5,698,396   | 1,289,244  | 564,183    | 725,061    | 83,514          | 39,471    | 44,043    | 425,072                    | 199,898   | 225,174   |
| 60-64 years | 10,513,786  | 4,967,782   | 5,546,004   | 9,056,192   | 4,331,042   | 4,725,150   | 1,055,855  | 450,465    | 605,390    | 64,599          | 30,129    | 34,470    | 337,140                    | 156,146   | 180,994   |
| 65-69 years | 9,447,220   | 4,336,705   | 5,110,515   | 8,188,753   | 3,797,077   | 4,391,676   | 935,175    | 400,069    | 535,106    | 50,054          | 22,580    | 27,474    | 273,238                    | 116,979   | 156,259   |
| 70-74 years | 8,771,028   | 3,861,991   | 4,909,037   | 7,769,876   | 3,446,700   | 4,323,176   | 743,318    | 307,454    | 435,864    | 40,457          | 18,176    | 22,281    | 217,377                    | 89,661    | 127,716   |
| 75-79 years | 7,329,496   | 3,057,003   | 4,272,493   | 6,584,585   | 2,759,812   | 3,824,773   | 557,747    | 217,526    | 340,221    | 31,397          | 13,468    | 17,929    | 155,767                    | 66,197    | 89,570    |
| 80-84 years | 4,817,199   | 1,814,131   | 3,003,068   | 4,381,055   | 1,654,360   | 2,726,695   | 331,333    | 115,771    | 215,562    | 19,137          | 7,744     | 11,393    | 85,674                     | 36,256    | 49,418    |
| 85 years +  | 4,175,082   | 1,240,242   | 2,934,840   | 3,773,265   | 1,113,878   | 2,659,387   | 312,997    | 92,025     | 220,972    | 20,381          | 6,464     | 13,917    | 68,439                     | 27,875    | 40,564    |

SOURCE: Published and unpublished data from the U.S. Bureau of the Census; see text.

Table 4-3. Estimated Total Population and Female Population Aged 15-44 Years: United States, Each Division and State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas: July 1, 1999

| Division and State   | Total       | Female<br>15-44 years |
|----------------------|-------------|-----------------------|
| United States        | 272,690,813 | 60,107,320            |
| New England          | 13,495,933  | 2,985,434             |
| Maine                | 1,253,040   | 275,886               |
| New Hampshire        | 1,201,134   | 276,157               |
| Vermont              | 593,740     | 133,527               |
| Massachusetts        | 6,175,169   | 1,383,500             |
| Rhode Island         | 990,819     | 216,350               |
| Connecticut          | 3,282,031   | 700,014               |
| Middle Atlantic      | 38,334,029  | 8,324,400             |
| New York             | 18,196,601  | 4,021,959             |
| New Jersey           | 8,143,412   | 1,768,142             |
| Pennsylvania         | 11,994,016  | 2,534,299             |
| East North Central   | 44,442,146  | 9,830,575             |
| Ohio                 | 11,256,654  | 2,485,661             |
| Indiana              | 5,942,901   | 1,318,926             |
| Illinois             | 12,128,370  | 2,675,538             |
| Michigan             | 9,863,775   | 2,201,144             |
| Wisconsin            | 5,250,446   | 1,149,306             |
| West North Central   | 18,800,138  | 4,077,775             |
| Minnesota            | 4,775,508   | 1,054,543             |
| Iowa                 | 2,869,413   | 603,102               |
| Missouri             | 5,468,338   | 1,197,857             |
| North Dakota         | 633,666     | 133,290               |
| South Dakota         | 733,133     | 155,395               |
| Nebraska             | 1,666,028   | 358,971               |
| Kansas               | 2,654,052   | 574,617               |
| South Atlantic       | 49,560,021  | 10,906,909            |
| Delaware             | 753,538     | 173,146               |
| Maryland             | 5,171,634   | 1,191,034             |
| District of Columbia | 519,000     | 125,336               |
| Virginia             | 6,872,912   | 1,601,592             |
| West Virginia        | 1,806,928   | 379,123               |
| North Carolina       | 7,650,789   | 1,684,358             |
| South Carolina       | 3,885,736   | 884,147               |
| Georgia              | 7,788,240   | 1,841,921             |
| Florida              | 15,111,244  | 3,026,252             |
| East South Central   | 16,582,841  | 3,720,245             |
| Kentucky             | 3,960,825   | 884,631               |
| Tennessee            | 5,483,535   | 1,225,260             |
| Alabama              | 4,369,862   | 981,570               |
| Mississippi          | 2,768,619   | 628,784               |
| West South Central   | 30,325,593  | 6,744,879             |
| Arkansas             | 2,551,373   | 542,905               |
| Louisiana            | 4,372,035   | 991,196               |
| Oklahoma             | 3,358,044   | 711,212               |
| Texas                | 20,044,141  | 4,499,566             |
| Mountain             | 17,127,479  | 3,693,701             |
| Montana              | 882,779     | 180,369               |
| Idaho                | 1,251,700   | 271,323               |
| Wyoming              | 479,602     | 100,851               |
| Colorado             | 4,056,133   | 891,205               |
| New Mexico           | 1,739,844   | 376,584               |
| Arizona              | 4,778,332   | 1,001,135             |
| Utah                 | 2,129,836   | 497,103               |
| Nevada               | 1,809,253   | 375,131               |
| Pacific              | 44,022,633  | 9,823,402             |
| Washington           | 5,756,361   | 1,281,159             |
| Oregon               | 3,316,154   | 697,905               |
| California           | 33,145,121  | 7,462,555             |
| Alaska               | 619,500     | 133,877               |
| Hawaii               | 1,185,497   | 247,906               |
| Puerto Rico          | 3,889,507   | 911,825               |
| Virgin Islands       | 119,615     | 25,990                |
| Guam                 | 151,968     | 31,111                |
| American Samoa       | 63,781      | 13,873                |
| Northern Marianas    | 69,216      | 23,435                |

Table 4-4. Estimated Total Population and Female Population Aged 15-44 Years: United States, Each Division, State, and Territory: July 1, 1999

[Figures include Armed Forces stationed in each area and exclude those stationed outside the United States.]

| Area                  | Total       | Female<br>15-44 years | Area                 | Total      | Female<br>15-44 years |
|-----------------------|-------------|-----------------------|----------------------|------------|-----------------------|
| United States         | 272,690,813 | 60,107,320            |                      |            |                       |
| Geographic divisions: |             |                       | South Atlantic       | 49,560,021 | 10,906,909            |
| New England           | 13,495,933  | 2,985,434             | Delaware             | 753,538    | 173,146               |
| Middle Atlantic       | 38,334,029  | 8,324,400             | Maryland             | 5,171,634  | 1,191,034             |
| East North Central    | 44,442,146  | 9,830,575             | District of Columbia | 519,000    | 125,336               |
| West North Central    | 18,800,138  | 4,077,775             | Virginia             | 6,872,912  | 1,601,592             |
| South Atlantic        | 49,560,021  | 10,906,909            | West Virginia        | 1,806,928  | 379,123               |
| East South Central    | 16,582,841  | 3,720,245             | North Carolina       | 7,650,789  | 1,684,358             |
| West South Central    | 30,325,593  | 6,744,879             | South Carolina       | 3,885,736  | 884,147               |
| Mountain              | 17,127,479  | 3,693,701             | Georgia              | 7,788,240  | 1,841,921             |
| Pacific               | 44,022,633  | 9,823,402             | Florida              | 15,111,244 | 3,026,252             |
| New England           | 13,495,933  | 2,985,434             | East South Central   | 16,582,841 | 3,720,245             |
| Maine                 | 1,253,040   | 275,886               | Kentucky             | 3,960,825  | 884,631               |
| New Hampshire         | 1,201,134   | 276,157               | Tennessee            | 5,483,535  | 1,225,260             |
| Vermont               | 593,740     | 133,527               | Alabama              | 4,369,862  | 981,570               |
| Massachusetts         | 6,175,169   | 1,383,500             | Mississippi          | 2,768,619  | 628,784               |
| Rhode Island          | 990,819     | 216,350               | West South Central   | 30,325,593 | 6,744,879             |
| Connecticut           | 3,282,031   | 700,014               | Arkansas             | 2,551,373  | 542,905               |
| Middle Atlantic       | 38,334,029  | 8,324,400             | Louisiana            | 4,372,035  | 991,196               |
| New York              | 18,196,601  | 4,021,959             | Oklahoma             | 3,358,044  | 711,212               |
| New Jersey            | 8,143,412   | 1,768,142             | Texas                | 20,044,141 | 4,499,566             |
| Pennsylvania          | 11,994,016  | 2,534,299             | Mountain             | 17,127,479 | 3,693,701             |
| East North Central    | 44,442,146  | 9,830,575             | Montana              | 882,779    | 180,369               |
| Ohio                  | 11,256,654  | 2,485,661             | Idaho                | 1,251,700  | 271,323               |
| Indiana               | 5,942,901   | 1,318,926             | Wyoming              | 479,602    | 100,851               |
| Illinois              | 12,128,370  | 2,675,538             | Colorado             | 4,056,133  | 891,205               |
| Michigan              | 9,863,775   | 2,201,144             | New Mexico           | 1,739,844  | 376,584               |
| Wisconsin             | 5,250,446   | 1,149,306             | Arizona              | 4,778,332  | 1,001,135             |
| West North Central    | 18,800,138  | 4,077,775             | Utah                 | 2,129,836  | 497,103               |
| Minnesota             | 4,775,508   | 1,054,543             | Nevada               | 1,809,253  | 375,131               |
| Iowa                  | 2,869,413   | 603,102               | Pacific              | 44,022,633 | 9,823,402             |
| Missouri              | 5,468,338   | 1,197,857             | Washington           | 5,756,361  | 1,281,159             |
| North Dakota          | 633,666     | 133,290               | Oregon               | 3,316,154  | 697,905               |
| South Dakota          | 733,133     | 155,395               | California           | 33,145,121 | 7,462,555             |
| Nebraska              | 1,666,028   | 358,971               | Alaska               | 619,500    | 133,877               |
| Kansas                | 2,654,052   | 574,617               | Hawaii               | 1,185,497  | 247,906               |
|                       |             |                       | Territories          |            |                       |
|                       |             |                       | Puerto Rico          | 3,889,507  | 911,825               |
|                       |             |                       | Virgin Islands       | 119,615    | 25,990                |
|                       |             |                       | Guam                 | 151,968    | 31,111                |
|                       |             |                       | American Samoa       | 63,781     | 13,873                |
|                       |             |                       | Northern Marianas    | 69,216     | 23,435                |

Source: Published and unpublished data from the Bureau of the Census; see text.

## Births: Final Data for 1999

by Stephanie J. Ventura, M.A.; Joyce A. Martin, M.P.H.; Sally C. Curtin, M.A.;  
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### Abstract

**Objectives**—This report presents 1999 data on U.S. births according to a wide variety of characteristics. Data are presented for maternal demographic characteristics including age, live-birth order, race, Hispanic origin, marital status, and educational attainment; maternal characteristics (medical risk factors, weight gain, tobacco and alcohol use); medical care utilization by pregnant women (prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth, and method of delivery); and infant characteristics (period of gestation, birthweight, Apgar score, abnormal conditions, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's State of residence are shown, as well as data on month and day of birth, sex ratio, and age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

**Methods**—Descriptive tabulations of data reported on the birth certificates of the 3.96 million births that occurred in 1999 are presented.

**Results**—Overall birth and fertility rates changed less than 1 percent in 1999. Teenage birth rates fell 2 to 6 percent. The rate for women aged 20–24 years declined slightly, while rates for women in their late twenties and their thirties rose 2 to 3 percent each. The number of births to unmarried women, the birth rate, and the percent of births that were to unmarried women each rose 1 percent or less. Smoking by pregnant women overall dropped again, but rose among women aged 18–24 years. Improvements in prenatal care utilization continued. The cesarean delivery rate increased for the third year after declining for 7 consecutive years. The proportion of multiple births continued to rise; however, higher order multiple births (e.g., triplets, quadruplets) declined for the first time in over a decade, following increases of 13 percent per year during 1990–98. The percent low birthweight remained at 7.6 percent, while preterm births rose to 11.8 percent. These trends are in large part the result of increases in multiple births.

**Keywords:** births • birth certificate • maternal and infant health • birth rates • maternal characteristics

### Highlights

**Births** in the United States increased less than 1 percent in 1999, to 3,959,417, the second consecutive increase following a 7-percent decline from 1990 to 1997. The **birth rate** declined slightly in 1999 to 14.5 births per 1,000 total population, matching the record low reached in 1997. The **fertility rate**, which relates births to the number of women of childbearing age, increased less than 1 percent to 65.9 births per 1,000 women aged 15–44 years.

**Fertility rates for women in racial and Hispanic origin subgroups** changed relatively little in 1999. Rates increased for non-Hispanic white, Asian or Pacific Islander (API), Puerto Rican, and Cuban women. Rates declined for non-Hispanic black, Mexican, and American Indian women. The variation in rates found for recent years continued in 1999. The fertility rate was highest for Mexican women (112 per 1,000) followed by rates for Puerto Rican, non-Hispanic black, American Indian and API women, which fell within a relatively narrow range (66 to 78 per 1,000). Rates were much lower for non-Hispanic white and Cuban women (58 and 51 per 1,000, respectively).

**The birth rate for teenagers** declined again in 1999, falling 3 percent to 49.6 births per 1,000 women aged 15–19 years. The rate

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has declined 20 percent since 1991 (62.1) and is now at a record low. The birth rate for young teenagers 15–17 years fell 6 percent during 1998–99 to 28.7 per 1,000, also a record low. The rate for older teenagers 18–19 years declined 2 percent to 80.3. From 1991 to 1999, the rate for young teenagers dropped 26 percent, while the rate for older teenagers declined 15 percent. Although all population groups have experienced declines, the reductions in birth rates have been steepest for non-Hispanic black teenagers; rates fell by 22 to 38 percent. The teenage *pregnancy* rate has declined 19 percent in the 1990's, to 94.3 in 1997, reflecting concurrent declines in birth and abortion rates.

The **birth rate for women in their early twenties** declined slightly in 1999, falling to 111.0 per 1,000 women aged 20–24 years. The **rate for women aged 25–29** years increased 2 percent to 117.8 per 1,000. Birth rates for women in their twenties have changed relatively little since the early to mid-1970's.

**Birth rates for women in their thirties** increased to 89.6 per 1,000 aged 30–34 years, and to 38.3 per 1,000 aged 35–39 years, up 2 to 3 percent each. The rates for these age groups are at their highest in more than three decades. The **birth rate** for women aged 40–44 years increased again in 1999 to 7.4 per 1,000.

The **first birth rate** increased in 1999, to 26.6 first births per 1,000 women aged 15–44 years, the first increase in this rate since 1990. The **median age at first birth** increased to 24.5 years; the median has risen slowly but steadily since 1972 (22.0).

The **birth rate for unmarried women** increased slightly in 1999 to 44.4 births per 1,000 unmarried women aged 15–44 years. The number of births to unmarried women rose 1 percent to 1,308,560, the highest number ever reported. Most of this increase was linked to the rise in the number of unmarried women in the childbearing ages. The percent of all births that were to unmarried women increased to 33.0 percent in 1999, compared with 32.8 percent in 1998.

**Cigarette smoking during pregnancy** declined again in 1999, to 12.6 percent. The overall rate has fallen steadily since 1989. However, tobacco use by pregnant teenagers continued to increase in 1999, and the rates for women aged 20–24 years rose for the first time in a decade. Overall smoking rates remain lowest for non-Hispanic black, Hispanic, and Asian or Pacific Islander women. Infant birthweight is seriously compromised by maternal smoking: In 1999, 12.1 percent of births to smokers compared with 7.2 percent of births to nonsmokers weighed less than 2,500 grams (5 pounds, 8 ounces).

Women were slightly more likely to receive **timely prenatal care** in 1999, 83.2 percent began care in the first trimester of pregnancy, compared with 82.8 percent in 1998. The proportion of women with first trimester care has risen each year of the 1990's, for a total increase of 10 percent. Concurrently, the percent of women with late or no care has also improved for the decade, falling from 6.1 to 3.8 percent. Timely care has increased for all racial/ethnic groups between 1990 and 1999 with the largest gains (20 percent or more) reported for non-Hispanic black, American Indian, Hawaiian, Mexican, Puerto Rican, and Central and South American women.

The **rate of cesarean delivery** increased 4 percent between 1998 and 1999 to 22.0 percent; the 1999 rate is 6 percent higher than the recent low point in 1996 (20.7). This was the third consecutive year that the rate increased after falling each year during 1989–96. The **primary cesarean rate** in 1999 (15.5 per 100 live births to women who had no previous cesarean) was 4 percent higher than in 1998 and 6 percent

higher than in 1997 (14.6). The rate had declined each year between 1989 and 1996 and remained steady between 1996 and 1997. The rate of **vaginal birth after previous cesarean delivery (VBAC)** declined 11 percent between 1998 and 1999—from 26.3 per 100 women with a previous cesarean to 23.4. The VBAC rate dropped 17 percent between 1996 and 1999 after rising 50 percent between 1989 and 1996 (from 18.9 to 28.3). Births delivered by **forceps** continued to decline, to 2.3 percent of all births in 1999. After increasing steadily between 1989 and 1997, the percent of births delivered by **vacuum extraction** fell 18 percent between 1997 and 1999, to 5.1 percent.

Almost 20 percent of women who delivered in 1999 had **induced labor**, twice the 1990 level. The rate of induction has increased every year since 1989.

**Twin births** continued to rise in 1999, but for the first year in over a decade, **triplet and other higher order multiple births** (triplet/+) births declined. The number and rate of twin births was up 3 percent to 114,307 or 28.9 per 1,000 live births between 1998 and 1999. The twinning rate has risen by more than 50 percent since 1980. The number of triplet/+ births however, was down to 7,321 for 1999, from 7,625 in 1998; the triplet/+ birth rate declined 4 percent, from 193.5 to 184.9 per 100,000 live births. For 1998–99 the non-Hispanic white triplet/+ birth rate declined, but the rate increased among non-Hispanic black and Hispanic women. Since 1980, the number and rate of triplet/+ births has climbed from 1,337 and 37.0 per 100,000.

The rate of **preterm birth** (less than 37 completed weeks of gestation) increased again for 1999 to 11.8 percent from 11.6 percent in 1998. The percent of births born preterm has risen 11 percent since 1990 (10.6 percent). All of the current year rise, and most of that for the decade, has been among moderately preterm births (between 32 and 36 weeks of gestation). The proportion of births born very preterm was 1.96 percent; this level has fluctuated little since 1990. The preterm rate increased for non-Hispanic white births (10.2 to 10.5 percent for 1998–99), but was unchanged among non-Hispanic black (17.6 percent) and Hispanic births (11.4 percent).

The **low birthweight (LBW)** (less than 2,500 grams) rate was unchanged for 1999 at 7.6 percent. Low birthweight has been rising fairly steadily since the mid-1980's (6.8 percent), and has risen 9 percent since 1990 (7.0 percent). The percent **very low birthweight (VLBW)** (less than 1,500 grams) was unchanged from the previous year (1.45 percent), but has increased from 1.27 percent in 1990. LBW has risen substantially (18 percent) among non-Hispanic white births in the 1990's, but has declined slightly among births to non-Hispanic black mothers. The rise in LBW, especially among non-Hispanic white births, is influenced by the increased multiple birth rate; multiple births are much more likely than singletons to be low birthweight.

## Introduction

This report presents detailed data on numbers and characteristics of births in 1999, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and

change in this country and in individual States. Data on maternal characteristics such as weight gain, tobacco and alcohol use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of low birthweight and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 1999 presented data on selected topics based on a substantial sample (more than 99 percent) of the 1999 birth file (1). Findings for the selected measures (age, race, Hispanic origin, and marital status of mother, live-birth order, prenatal care, cesarean delivery, and low birthweight) based on the preliminary data are very similar to those presented here based on final data.

In addition to the tabulations included in this report, more detailed analysis is possible by using the natality public-use data tape, which is issued for each year. Birth data are also available in CD-ROM format since 1990, and a selection of tables of detailed data are available on the NCHS home page at <http://www.cdc.gov/nchs/datawh/statab/unpubd/natality/natab97.htm> (2, 3).

## Methods

Data shown in this report are based on 100 percent of the birth certificates registered in all States and the District of Columbia. More than 99 percent of births occurring in this country are registered (4). Tables that show data by State also provide separate information for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas. However, these areas are not included in totals for the United States.

In this report, tabulations of births beginning with 1980 data are by race of mother; for years prior to 1980, tabulations are by race of child. Details of the differences in tabulation procedure are described in the [Technical notes](#). Text references to black births and black mothers or white births and white mothers are used interchangeably for ease in writing.

Race and Hispanic origin are reported independently on the birth certificate. In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because the vast majority of women of Hispanic origin are reported as white. Most tables in this report show data for these categories: white, total; white, non-Hispanic; black, total; black, non-Hispanic; and Hispanic. When data other than birth rates for Hispanic subgroups are shown, they are presented for the following five groups: Mexican, Puerto Rican, Cuban, Central and South American, and other (and unknown) Hispanic. When reporting birth rates for Hispanic subgroups, births to Central and South American women are added to births to other (and unknown) Hispanic women because more detailed population data for Central and South American women are not separately available. Data are shown for five Asian or Pacific Islander (API) subgroups: Chinese, Japanese, Hawaiian, Filipino, and "other" API. In addition, 11 States report data on API subgroups included in the "other API" category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API); see [Technical notes](#).

U.S. and State-level birth and fertility rates in this report were computed on the basis of population denominators provided by the U.S. Bureau of the Census. Rates by State shown in this report may differ from rates computed on the basis of other population estimates. Additional information on the measurement of marital status, gestational age, and birthweight; the computation of derived statistics and rates; population denominators; random variation and relative standard error; and the definitions of terms are presented in the [Technical notes](#).

Information on births by age, race, or marital status of mother is imputed if it is not reported on the birth certificate. These items were not reported for less than 1 percent of U.S. births in 1999. (See [Technical notes](#) for additional information.) All other maternal and infant characteristics (except items on which length of gestation is calculated) are not imputed; see [Technical notes](#). Births for which a particular characteristic is unknown are subtracted from the figures for total births that are used as denominators before percents, percent distributions, and medians are computed. Thus, for example, the proportion of women receiving care in the first trimester of pregnancy is computed on the basis of births for which month prenatal care began was reported. Levels of nonreporting vary substantially by specific item and by State. [Table I](#) in the [Technical notes](#) provides information on the percent of records with missing information for each item by State for 1999. Readers should note that the levels of incomplete reporting for some of the medical items are quite high in some States. Data for Connecticut, Hawaii, and Oklahoma, as well as the Northern Marianas are of particular concern.

## Demographic characteristics

### Births and birth rates

#### Number of births

The number of births in the United States increased less than 1 percent in 1999, to 3,959,417, compared with 3,941,553 in 1998. This is the second year of increase, albeit very modest, in the number of births since 1990. Between 1990, the most recent high point in U.S. births, and 1997, the number of births fell 7 percent; the number rose 2 percent between 1997 and 1999 (see [tables 1–14 for national and State birth data by age, live-birth order, race, and Hispanic origin](#)).

Increases and declines in the **number of births for race and Hispanic origin groups** were about evenly split in 1999 ([tables 1 and 6](#)). The number of non-Hispanic white and non-Hispanic black births each fell about 1 percent. Births to American Indian, Puerto Rican, Cuban, and Hawaiian women were essentially unchanged. While births to Hispanic and Asian or Pacific Islander (API) women increased overall about 4 to 5 percent, these increases were concentrated among a few subgroups: Mexican and Central and South American births rose 5 percent each, Chinese births increased 3 percent, and "other" API births jumped 8 percent. In contrast Japanese and Filipino births declined 2 percent each.

#### Crude birth rate

The crude birth rate declined very slightly from 14.6 live births per 1,000 total population in 1998 to 14.5 in 1999, matching a record



low for the Nation (1997). During the 1990's the rate declined in all but one year (1998). Between 1990 and 1997, the rate fell 13 percent.

**Fertility rate**

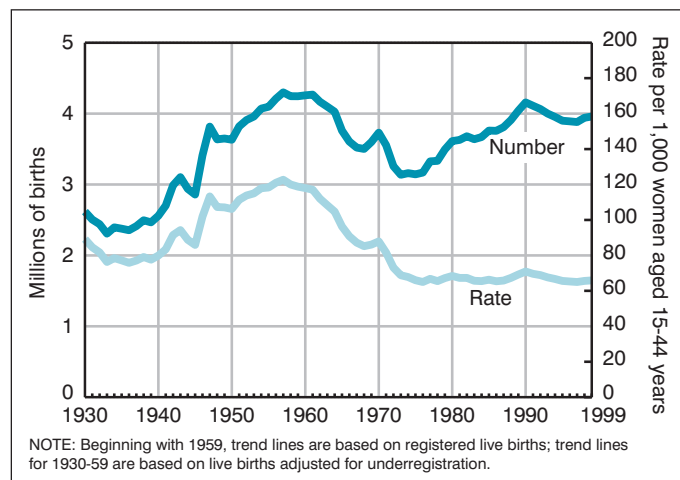
The fertility rate, which relates births to the number of women in the childbearing ages, was 65.9 live births per 1,000 women aged 15–44 years in 1999, less than 1 percent higher compared with 1998 (65.6). While the steady 7-year downward trend in U.S. fertility from 1990 to 1997 may have ended, at least temporarily, there is no evidence for any real upturn. Like the number of births and the birth rate, the recent high point for the fertility rate was 1990 (70.9); between 1990 and 1997, the fertility rate dropped 8 percent (table 1 and figure 1).

**Fertility rates by race and Hispanic origin increased** very slightly for non-Hispanic white (57.8 per 1,000 aged 15–44 years) women and declined 1 percent for non-Hispanic black women (72.2). Rates for American Indian (69.7) and Mexican women (111.6) each declined by 1 percent or less. Rates for API (65.6), Puerto Rican (77.7), Cuban (51.2), and other Hispanic women (92.6) each rose 2 to 3 percent (tables 1 and 6). Birth and fertility rates for specific API groups cannot be computed because the necessary populations are not available.

The fertility rate for Hispanic women in 1999 was among the lowest reported since 1989 when data accounting for virtually all Hispanic births in the United States first became available. The fertility rate for Mexican women in 1999 is also at its lowest, 8 percent lower than the peak recorded in 1991 (121.6). Trends in fertility for Hispanic women by subgroup for 1989–95 are presented in more detail in a recent report (5).

**Age of mother**

*Teenagers*—Birth rates for teenagers fell to all-time lows in 1999. The **birth rate for the youngest teenagers** was 0.9 births per 1,000 females 10–14 years in 1999, a record low for this age group (table 4). This rate has declined steadily since 1994 (the rate was 1.4 in each year 1989 through 1994). The number of births to 10–14-



**Figure 1. Live births and fertility rates: United States, 1930–99**

year-olds fell 4 percent from 1998 to 1999, to 9,054, the lowest total reported in more than three decades (8,593 in 1967). The number of births to very young teenagers declined solely because the birth rate fell; the number of female teenagers has increased steadily in the 1990's and rose 2 percent from 1998 to 1999 (6).

The **birth rate for teenagers 15–19 years** fell 3 percent to 49.6 per 1,000, an all-time low for the Nation. This rate was 20 percent lower than the recent peak reported in 1991 (62.1) (table A). The declines in the 1990's in the teenage birth rate essentially reverse the 24-percent increase that occurred from 1986 (50.2 per 1,000) to 1991. State-specific birth rates for teenagers are discussed in the section "Births and birth rates by State."

**Birth rates for teenage subgroups 15–17 and 18–19 years** also fell between 1998 and 1999. The rate for teenagers 15–17 years declined 6 percent to 28.7 per 1,000, another record low (1,7). This rate fell by 26 percent from 1991 (38.7) to 1999 (table 4 and figure 2). The number of births to teenagers 15–17 years fell 3 percent from 1998 to 1999 to 163,588, the fewest in more than four decades.

The birth rate for older teenagers 18–19 years declined 2 percent, to 80.3 per 1,000. This rate fell 15 percent from 94.5 in 1992 (its recent high) to 1999 and is at its lowest point in more than a decade (79.9 in 1988). However, the number of births to older teens increased slightly between 1998 and 1999 to 312,462, only the second increase since 1990. This small increase is entirely due to the 2-percent rise in the number of female teenagers 18–19 years (6).

**Table A. Birth rates for teenagers 15–19 years by age, race, and Hispanic origin of mother: United States, 1991, 1998, and 1999, and percent change, 1991–99**

[Rates are live births per 1,000 women in specified group]

| Year and age                      | Total <sup>1</sup> | Non-Hispanic |       |          |
|-----------------------------------|--------------------|--------------|-------|----------|
|                                   |                    | White        | Black | Hispanic |
| <b>15–19 years</b>                |                    |              |       |          |
| 1999 . . . . .                    | 49.6               | 34.0         | 83.7  | 93.4     |
| 1998 . . . . .                    | 51.1               | 35.2         | 88.2  | 93.6     |
| 1991 <sup>2</sup> . . . . .       | 62.1               | 43.4         | 118.9 | 106.7    |
| Percent change, 1991–99 . . . . . | -20                | -22          | -30   | -12      |
| Percent change, 1998–99 . . . . . | -3                 | -3           | -5    | -0       |
| <b>15–17 years</b>                |                    |              |       |          |
| 1999 . . . . .                    | 28.7               | 17.1         | 53.7  | 61.3     |
| 1998 . . . . .                    | 30.4               | 18.4         | 58.8  | 62.3     |
| 1991 <sup>2</sup> . . . . .       | 38.7               | 23.6         | 86.7  | 70.6     |
| Percent change, 1991–99 . . . . . | -26                | -28          | -38   | -13      |
| Percent change, 1998–99 . . . . . | -6                 | -7           | -9    | -2       |
| <b>18–19 years</b>                |                    |              |       |          |
| 1999 . . . . .                    | 80.3               | 58.9         | 126.8 | 139.4    |
| 1998 . . . . .                    | 82.0               | 60.6         | 130.9 | 140.1    |
| 1991 <sup>2</sup> . . . . .       | 94.4               | 70.5         | 163.1 | 158.5    |
| Percent change, 1991–99 . . . . . | -15                | -16          | -22   | -12      |
| Percent change, 1998–99 . . . . . | -2                 | -3           | -3    | -0       |

<sup>1</sup>Includes races other than white and black and origin not stated.

<sup>2</sup>See reference 5 for information on reporting areas in 1991.

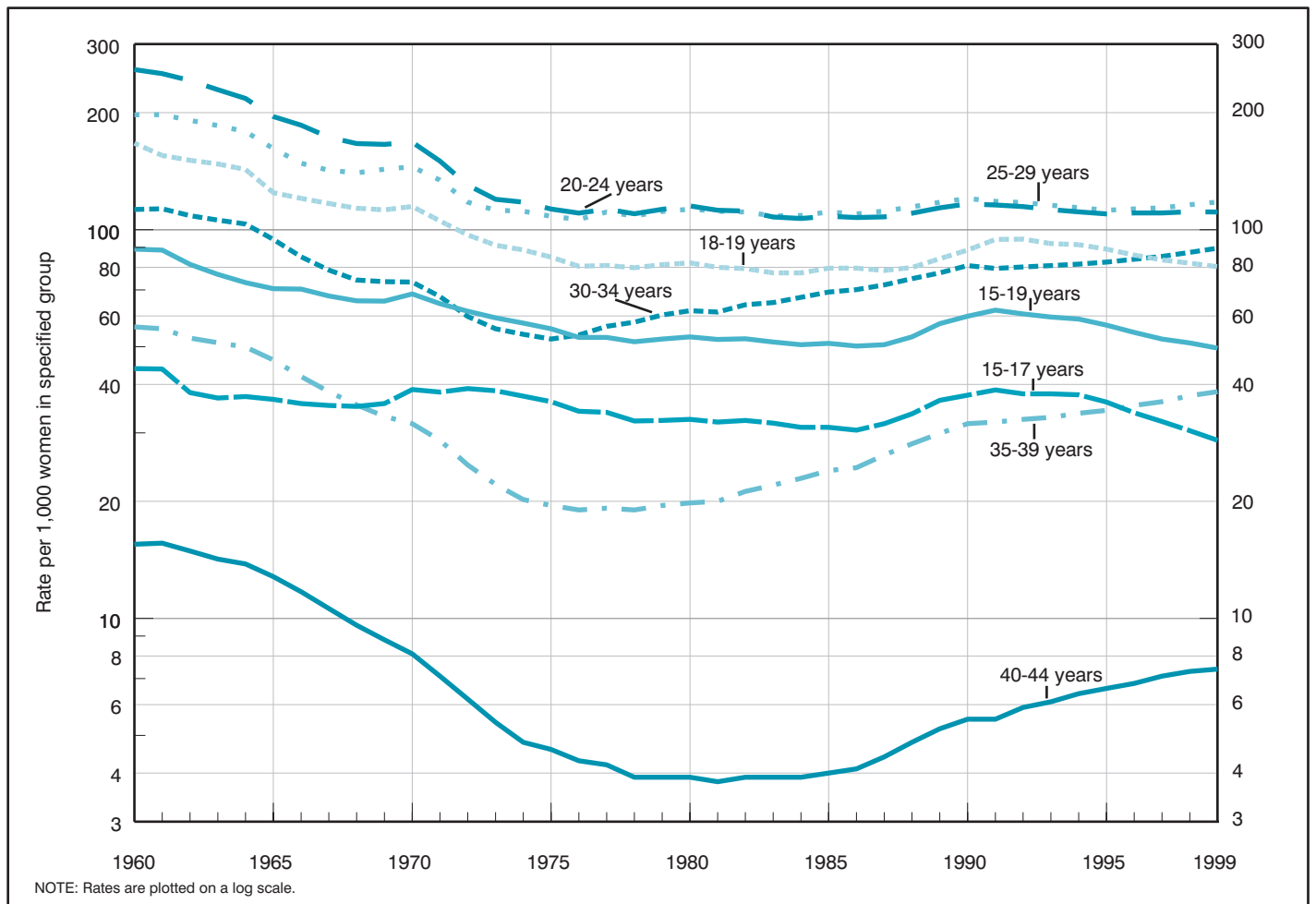


Figure 2. Birth rates by age of mother: United States, 1960–99

Teenage birth rates by race and Hispanic origin vary substantially (tables 3, 4, 8, and 9). Rates in 1999 were highest for Mexican, non-Hispanic black, Puerto Rican, and American Indian teenagers and lowest for non-Hispanic white, Cuban, and API teenagers, a pattern that has been observed since 1994. Despite the marked variation in rates (ranging from 22.3 to 101.5 per 1,000 aged 15–19 years), all population groups experienced notable declines in the 1990's. Between 1998 and 1999, teenage birth rates declined for all race and Hispanic origin groups except Cuban and "other" Hispanic teenagers. The rates for non-Hispanic white and API teenagers fell 3 percent each, while rates for non-Hispanic black and American Indian teenagers declined 5 to 6 percent each. The rates for Hispanic teenagers as a group and Mexican teenagers declined 1 percent or less.

From 1991, when rates for teenagers generally were at a peak, to 1999, birth rates fell 22 to 30 percent for non-Hispanic white and black teenagers, respectively. Despite the increase in the rate for Cuban teenagers, their rate remains one of the lowest among population subgroups. The 1999 rates for API and American Indian teenagers were 19 to 20 percent lower, respectively, than in 1991. The rate for Mexican teenagers, currently the highest of all groups, has declined by 19 percent just since 1995.

Teenage pregnancy rates (based on the sum of live births, induced abortions, and fetal losses) have also declined in recent years (8–10). The pregnancy rate for teenagers 15–19 years fell 19 percent

from 116.5 per 1,000 in 1991 to 94.3 in 1997, reversing an 11-percent rise from 1986 to 1991 (8, 9). (The most recent year for which pregnancy rates are available is 1997.) Further declines in the teenage pregnancy rate since 1997 are likely based on the sustained decline in the teenage birth rate.

The factors accounting for the current downturn in teenage pregnancy and birth rates are discussed in recent reports (7, 8). Briefly, the proportion of teenagers who are sexually experienced has stabilized in the mid 1990's, reversing the steady increases over the past two decades (11). Many public and private initiatives have focused teenagers' attention on the importance of pregnancy prevention through abstinence (12). Moreover, teenagers are more likely to use contraceptives at first intercourse, especially condoms (11, 13, and 14). Some sexually active teenagers have switched to implant and injectable contraceptives, which are effective new birth control methods (11).

**Women aged 20 years and over: Women in their twenties**—The birth rate for women aged 20–24 years declined very slightly in 1999 to 111.0 per 1,000. Since 1996, this rate has varied little, from 110 to 111 per 1,000. Earlier in the decade, the rate fell 5 percent from 116.5 in 1990 to 1996 (tables 4 and 9). The birth rate for women aged 25–29 years rose 2 percent in 1999 to 117.8, its highest level since 1992; this rate increased by 5 percent since 1995, following steady declines during 1990–95. Birth rates for women in their twenties, the principal childbearing ages, have been relatively stable over the

past two decades. In 1999 as in previous years, birth rates for women in age groups 20–24 and 25–29 years were consistently highest for Mexican women.

**Women in their thirties**—Birth rates for women in their thirties rose again in 1999. Rates for women in these age groups have generally increased steadily since the mid- to late 1970's, a pattern unlike any other age group (tables 4 and 9) (3, 15). The rate for women aged 30–34 years increased 3 percent in 1999 to 89.6 per 1,000. The 1999 rate was higher than in any year since 1965 (94.4), and 71 percent higher than the rate at its low point in 1975 (52.3) (3, 15). The pace of increase in the rate slowed in the 1990's to about 1 percent per year, compared with 3 percent annually during 1975–90. The number of births to women aged 30–34 years increased only slightly in 1999, because the number of women in that age group declined 2 percent (6).

The birth rate for women in their late thirties increased 2 percent to 38.3 per 1,000 women aged 35–39 years. This rate has more than doubled since 1978 (19.0); the 1999 rate matches the previous high point reached in 1967 (3). The pace of increase in the rate for women aged 35–39 years also slowed in the 1990's to about 2 percent annually compared with 4 percent per year from 1978 to 1990. Nevertheless, the 1999 rate was still 21 percent higher than the rate in 1990 (31.7). The number of births to women aged 35–39 years reached another record high in 1999 (434,294). During the 1990's, the number rose by more than one-third (317,583 in 1990). Among women in their thirties, birth rates were highest for API, Mexican, and "other" Hispanic women (tables 3 and 8).

**Women in their forties**—The birth rate for women aged 40–44 years increased from 7.3 per 1,000 in 1998 to 7.4 in 1999. This rate increased a third from 1990 (5.5) to 1999. From 1981 when the rate was at its lowest to 1999, the rate increased by 95 percent; the 1999 rate is higher than in any year since 1970 (8.1). From 1990 to 1999, the number of births in this age group rose 71 percent, from 48,607 to 83,090.

The birth rate for women aged 45–49 years remained unchanged at 0.4 births per 1,000 in 1998. Reflecting the continued increase in the number of women in this age group (who were born during 1950–54), the number of births to women aged 45–49 years rose 15 percent to 4,174, the highest number recorded in more than three decades (4,436 in 1966).

**Births to women aged 50 years and over**—Birth data for women aged 50–54 years are reported for the third consecutive year in 1999. These data were not available during 1964–96; for that period, mother's age was edited for ages 10–49 years (4). Additional information on the editing procedures is presented in the Technical notes. Because of the recent advances in fertility-enhancing therapies, an increasing number of women are giving birth at age 50 and older. In 1999, 174 births were reported to women aged 50–54 years (tables 2 and 7); 68 of these births were part of a multiple delivery (see section below on "Multiple births"). This number is too small for computing an age-specific birth rate. Therefore, in computing birth rates by age of mother, births to women aged 50–54 years have been included with births to women aged 45–49 years; the denominator for the rate is women aged 45–49 years.

Birth rates for women in their late thirties and early forties increased in 1999 but at a more moderate pace, similar to that experienced earlier in the 1990's. Still the rates for these age groups are dramatically higher than a quarter century ago (table 4). The

sustained rise is linked to several factors, including the availability and use of fertility-enhancing therapies by childless couples. Among currently childless women aged 35–44 years reporting impaired fecundity according to the National Survey of Family Growth, the proportion seeking fertility drug treatment rose considerably from 1982 to 1995 (13, 16).

### Live-birth order

The first birth rate in 1999 was 26.6 first births per 1,000 women aged 15–44 years (table 5), up slightly compared with 1998. The 1999 increase was the first since 1990. The 1999 rate was 8 percent lower than in 1990 (29.0), its recent high point. The rates for second and third order births also increased slightly. Birth rates for other birth orders were unchanged.

While the first birth rate increased about 1 percent overall, there were substantial differences in the trends by age of mother (table 3; tabular data not shown for 1998 and earlier years). Rates declined for teenage subgroups 15–17 and 18–19 years by 6 and 1 percent, respectively. Rates for women in their twenties increased up to 1 percent. In contrast, first birth rates rose 4 and 2 percent, respectively, for women aged 30–34 and 35–39 years. The rate for women aged 40–44 years rose as well. Women aged 30 years and over accounted for 23 percent of all first births in 1999, the same proportion as in 1997 and in 1998, but dramatically higher than the 5 percent level reported in 1975 (15).

Another measure that can be useful in interpreting age trends in childbearing is the median age at first birth. The median age is the value that divides the birth rate distributions into two equal parts, one-half of the values being less and one-half being greater. This measure has gradually increased since the early 1970's as the tendency for women to postpone childbearing was underway. The median age at first birth inched up again in 1999 to 24.5 years, compared with 24.3 years in 1998, 23.8 in 1990, and 22.0 in 1972 (3). The mean age at first birth is also useful in reviewing age patterns in fertility; the mean age was 24.8 years in 1999, compared with 24.7 in 1997 and 1998.

The birth rate for second births to teenagers who have had a first birth changed very little in 1999, compared with 1997 and 1998, after falling 21 percent from 1991 to 1996 (6). All of the decline in teenage birth rates in 1999 was thus due to declines in first birth rates.

### Total fertility rate

The total fertility rate (TFR) shows the potential impact of current fertility patterns on completed family size. The TFR indicates the number of births that a hypothetical group of 1,000 women would have if they experienced throughout their childbearing years the age-specific birth rates observed in a given year. Because it is computed from age-specific birth rates, the TFR is age-adjusted; it is not affected by changes over time in age composition.

The TFR in 1999 was 2,075.0, a scant 1 percent higher than in 1998 (tables 4 and 9). The TFR has increased by 3 percent overall since 1995, reversing a 3-percent decline from 1990 to 1995. The increase in the TFR in 1999 resulted from the 1- to 3- percent increases in age-specific birth rates for women in age groups 25–44 years, which more than compensated for the declines in birth rates for teenagers and women in their early twenties.

The U.S. TFR for 1999 was about 1 percent below “replacement” level (2,100), the rate at which a given generation can exactly replace itself. The TFR has been below “replacement” since 1971 (2,266.5). TFR’s vary substantially among racial and Hispanic origin groups. In 1999, as in recent years, the TFR was above “replacement” for Mexican, non-Hispanic black, Puerto Rican, and “other” Hispanic women. Rates were below “replacement” for American Indian, API, Cuban, and non-Hispanic white women (**tables 4, 9, 13, and 14**). Increases and decreases between 1998 and 1999 in most TFR’s were 1 percent or less; the rate declined 2 percent for American Indian women and rose 3 percent for API women. State-specific total fertility rates for 1999 are discussed in the next section.

## Births and birth rates by State

Birth data by race and by Hispanic origin for 1999 are shown in **tables 10–12** for the 50 States and the District of Columbia, and Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Marianas. The American Indian, Asian or Pacific Islander (API), and Hispanic populations (and Hispanic subgroups) are highly concentrated geographically.

Increases and declines in the **number of births** were fairly evenly divided among the 50 States and the District of Columbia, and were generally 2 percent or less. The number of births rose 4 percent in Arizona, Colorado, and Georgia and fell 3 to 4 percent in Hawaii, New Hampshire, and North Dakota. Births fell 6 to 7 percent in the Virgin Islands, Guam, and the Northern Marianas and rose 3 percent in American Samoa.

**Crude birth rates** by State ranged from 11 births per 1,000 total population (Maine and Vermont) to 22 per 1,000 (Utah) (**table 10**). Birth rates increased in 14 States, declined in 29 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and the Northern Marianas, and were unchanged in 7 States and American Samoa. Changes were no greater than 2 percent in most States, and were not significant in 35 of the States and the District of Columbia. A statistically significant increase of 4 percent was recorded for South Dakota, while a significant decrease of 4 percent was found for New Hampshire.

**Fertility rates per 1,000 women aged 15–44 years** ranged from a low of 49 (Maine and Vermont) to a high of 93 (Utah) (**table 10**). Rates increased in 34 States, the Virgin Islands, and American Samoa, declined in 13 States, the District of Columbia, Puerto Rico, Guam, and the Northern Marianas; the rate was unchanged in three States. Changes in most States were no more than 2 percent and were not statistically significant in 31 States, the District of Columbia, the Virgin Islands, and American Samoa. Significant increases of 4 percent each were reported for Colorado and South Dakota.

State-specific **total fertility rates** (TFR’s) for 1999 are shown in **table 10**. These rates provide a summary measure of lifetime fertility at the State level; rates for 1980, 1990, and 1996–98 have been published (17–21). Rates by State for 1999 vary substantially, from a low of 1,570.0 (or 1.57 births per woman) for Vermont to a high of 2,745.5 (2.75 births per woman) for Utah. Differences in the TFR and changes between 1998 and 1999 by State are quite similar to those in the general fertility rate.

## Birth rates for teenagers

Birth rates for teenagers by age group and State are shown for 1999 in **table 10** and **table B**. Rates per 1,000 women aged 15–19 years ranged by State from 24.0 (New Hampshire) to 72.5 (Mississippi). The highest rate was reported for Guam, 96.6. Birth rates for teenagers have been declining in the United States since 1991. Teenage birth rates were lower in 1999 than in 1998 in all but seven States and American Samoa. However, the overall trend for the 1990’s was downward: Rates for 1999 were lower than for 1991 in all States, the District of Columbia, Puerto Rico, and the Virgin Islands; declines were statistically significant in all States, the District of Columbia, and the Virgin Islands. There was a nonsignificant increase in Guam (**table B**). Declines exceeded 30.0 percent in 5 States, and exceeded 25.0 percent in 9 States, the District of Columbia, and the Virgin Islands. More detailed information on current trends and variations in State-specific teenage birth rates by age, race, and Hispanic origin is presented in a recent report (7).

## Sex ratio

The relative number of births by sex is important because it affects population change. There were 2,026,854 male live births in 1999 compared with 1,932,563 female live births yielding a sex ratio at birth of 1,049 males per 1,000 females, compared with 1,047 in 1998 (**tables 13 and 14**). The annual sex ratio has changed very little over the last 50 years. Nevertheless, substantial differences exist in the sex ratios by race and ethnic group (22). Similar to previous years, Asian or Pacific Islander mothers, as a group, had the highest sex ratio (1,064). The sex ratios for the Asian or Pacific Islander subgroups, excluding Hawaiian, exceeded 1,060. The sex ratio for Hispanic mothers (1,041), as a group, was intermediate between non-Hispanic white mothers (1,055) and non-Hispanic black mothers (1,032). Finally, American Indian mothers had the lowest sex ratio (1,029).

## Month of birth

In 1999 August was the month with the most frequent occurrence of births while February was the month with the least frequent occurrence of births (**table 15**). The average number of births per month was 329,951. Standardizing the number of births for the number of days of the month, September had the highest average number of births per month. January had the lowest average number of births per month.

The observed monthly birth rates for 7 months of 1999 were below the rates for the same months in 1998. For 3 months, the birth rates were above those of the previous year. When seasonal variation is filtered from the monthly birth and fertility rates, an estimate of the underlying trends in these rates is obtained. The seasonally adjusted birth rates for 6 months were lower in 1999 than for the same months in 1998. Of these, December had the lowest seasonally adjusted birth rate in at least 4 years. As in 1998, the seasonally adjusted birth rates for January, May, and July were the lowest since 1976.

**Table B. Birth rates for teenagers 15–19 years by State, 1991 and 1999, and percent change, 1991–99: United States and each State and territory**

[Birth rates per 1,000 estimated female population aged 15–19 years in each area]

| State                      | 1991  | 1999 | Percent change, 1991–99 | State             | 1991 | 1999 | Percent change, 1991–99 |
|----------------------------|-------|------|-------------------------|-------------------|------|------|-------------------------|
| United States <sup>1</sup> | 62.1  | 49.6 | -20.1                   | Nebraska          | 42.4 | 37.0 | -12.7                   |
| Alabama                    | 73.9  | 62.8 | -15.0                   | Nevada            | 75.3 | 64.1 | -14.9                   |
| Alaska                     | 65.4  | 41.8 | -36.1                   | New Hampshire     | 33.3 | 24.0 | -27.9                   |
| Arizona                    | 80.7  | 69.6 | -13.8                   | New Jersey        | 41.6 | 32.8 | -21.2                   |
| Arkansas                   | 79.8  | 68.1 | -14.7                   | New Mexico        | 79.8 | 67.4 | -15.5                   |
| California                 | 74.7  | 50.7 | -32.1                   | New York          | 46.0 | 37.0 | -19.6                   |
| Colorado                   | 58.2  | 48.4 | -16.8                   | North Carolina    | 70.5 | 59.5 | -15.6                   |
| Connecticut                | 40.4  | 33.3 | -17.6                   | North Dakota      | 35.6 | 27.7 | -22.2                   |
| Delaware                   | 61.1  | 54.3 | -11.1                   | Ohio              | 60.5 | 46.0 | -24.0                   |
| District of Columbia       | 114.4 | 83.5 | -27.0                   | Oklahoma          | 72.1 | 60.5 | -16.1                   |
| Florida                    | 68.8  | 53.5 | -22.2                   | Oregon            | 54.9 | 46.5 | -15.3                   |
| Georgia                    | 76.3  | 65.1 | -14.7                   | Pennsylvania      | 46.9 | 36.2 | -22.8                   |
| Hawaii                     | 58.7  | 43.8 | -25.4                   | Rhode Island      | 45.4 | 38.2 | -15.9                   |
| Idaho                      | 53.9  | 43.7 | -18.9                   | South Carolina    | 72.9 | 60.8 | -16.6                   |
| Illinois                   | 64.8  | 51.1 | -21.1                   | South Dakota      | 47.5 | 37.6 | -20.8                   |
| Indiana                    | 60.5  | 51.6 | -14.7                   | Tennessee         | 75.2 | 62.7 | -16.6                   |
| Iowa                       | 42.6  | 35.8 | -16.0                   | Texas             | 78.9 | 70.1 | -11.2                   |
| Kansas                     | 55.4  | 47.4 | -14.4                   | Utah              | 48.2 | 40.2 | -16.6                   |
| Kentucky                   | 68.9  | 56.4 | -18.1                   | Vermont           | 39.2 | 25.7 | -34.4                   |
| Louisiana                  | 76.1  | 62.8 | -17.5                   | Virginia          | 53.5 | 42.7 | -20.2                   |
| Maine                      | 43.5  | 29.8 | -31.5                   | Washington        | 53.7 | 40.1 | -25.3                   |
| Maryland                   | 54.3  | 42.6 | -21.5                   | West Virginia     | 57.8 | 47.9 | -17.1                   |
| Massachusetts              | 37.8  | 28.7 | -24.1                   | Wisconsin         | 43.7 | 35.7 | -18.3                   |
| Michigan                   | 59.0  | 40.5 | -31.4                   | Wyoming           | 54.2 | 40.4 | -25.5                   |
| Minnesota                  | 37.3  | 30.0 | -19.6                   | Puerto Rico       | 72.4 | 72.0 | -0.6**                  |
| Mississippi                | 85.6  | 72.5 | -15.3                   | Virgin Islands    | 77.9 | 55.2 | -29.1                   |
| Missouri                   | 64.5  | 49.6 | -23.1                   | Guam              | 95.7 | 96.6 | 0.9**                   |
| Montana                    | 46.7  | 35.1 | -24.8                   | American Samoa    | ---  | 46.4 | ---                     |
|                            |       |      |                         | Northern Marianas | ---  | 62.0 | ---                     |

\*\* Not significant at  $p < .05$ .

--- Data not available.

<sup>1</sup>Excludes data for the territories.

### Day of the week of birth

The average number of births on any given day in 1999 was 10,848 (table 16). However, there was considerable variation in the number of births by day of the week. For the most frequent day of birth, Tuesday, the average was 12,424 while for the least frequent day, Sunday, the average was 7,731.

Variation in the daily pattern of births can also be measured by an index of occurrence. The index is defined as the ratio of the average number of births for a particular day of the week to the average daily number of births for the year with the base set at 100. In 1999 the index for Sunday was 71.3, an indication that there were 28.7 percent fewer births on Sundays than the daily average. The index for Saturday was 79.8. As in past years, Tuesdays had the highest index in 1999, 114.5.

A weekend deficit is apparent for vaginal and cesarean deliveries, but is far greater for cesarean deliveries, particularly repeat cesareans. In 1999 the Sunday index for vaginal births was 76.6, compared with 62.3 for primary cesareans, and 36.4 for repeat cesareans.

### Births to unmarried women

The birth rate for unmarried women rose very slightly in 1999 to 44.4 births per 1,000 unmarried women aged 15–44 years, compared with 44.3 in 1998; the 1999 rate was still 5 percent lower than its highest level, 46.9 in 1994. The number of births to

unmarried women increased 1 percent to 1,308,560 in 1999. Most of the 4-percent increase in the number since 1997 is due to the concurrent 3-percent growth in the population of unmarried women (23). The percent of all births occurring to unmarried women rose to 33.0 in 1999 from 32.8 percent in 1998. (See tables C, 17, and 19.)

There were no changes in 1999 in the procedures for reporting the mother's marital status, a factor that affected trends earlier in the decade. Details of earlier changes in reporting practices are described in the Technical notes and elsewhere (24). In 1999 all States except for Michigan and New York reported the mother's marital status through a direct question on the birth certificate or in the electronic birth registration process. Michigan and New York inferred the mother's marital status on the basis of other information on the birth certificate; see Technical notes.

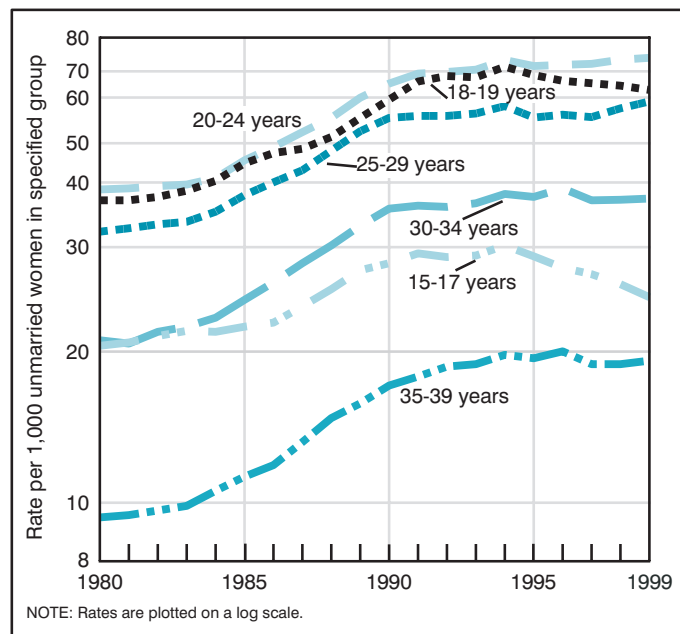
Birth rates for unmarried women vary considerably by race and Hispanic origin. In 1999 the rates per 1,000 unmarried women were 27.9 per 1,000 for non-Hispanic white women, 71.5 for black women, and 93.4 for Hispanic women. The birth rate for unmarried black women has declined steadily since 1989 (90.7), by 21 percent overall; the 1999 rate is at its lowest point since 1969 when data for black women became available (24). The birth rate for unmarried non-Hispanic white women was essentially stable in 1999, while the rate for Hispanic women rose 4 percent.

**Table C. Number, rate, and percent of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–99**

| Year | Births to unmarried women |                   |                      | Birth rate for married women <sup>3</sup> |
|------|---------------------------|-------------------|----------------------|---|
|      | Number                    | Rate <sup>1</sup> | Percent <sup>2</sup> |   |
| 1999 | 1,308,560                 | 44.4              | 33.0                 | 86.5                                      |
| 1998 | 1,293,567                 | 44.3              | 32.8                 | 85.7                                      |
| 1997 | 1,257,444                 | 44.0              | 32.4                 | 84.3                                      |
| 1996 | 1,260,306                 | 44.8              | 32.4                 | 83.7                                      |
| 1995 | 1,253,976                 | 45.1              | 32.2                 | 83.7                                      |
| 1994 | 1,289,592                 | 46.9              | 32.6                 | 83.8                                      |
| 1993 | 1,240,172                 | 45.3              | 31.0                 | 86.8                                      |
| 1992 | 1,224,876                 | 45.2              | 30.1                 | 89.0                                      |
| 1991 | 1,213,769                 | 45.2              | 29.5                 | 89.9                                      |
| 1990 | 1,165,384                 | 43.8              | 28.0                 | 93.2                                      |
| 1989 | 1,094,169                 | 41.6              | 27.1                 | 91.9                                      |
| 1988 | 1,005,299                 | 38.5              | 25.7                 | 90.8                                      |
| 1987 | 933,013                   | 36.0              | 24.5                 | 90.0                                      |
| 1986 | 878,477                   | 34.2              | 23.4                 | 90.7                                      |
| 1985 | 828,174                   | 32.8              | 22.0                 | 93.3                                      |
| 1980 | 665,747                   | 29.4              | 18.4                 | 97.0                                      |

<sup>1</sup>Births to unmarried women per 1,000 unmarried women aged 15–44 years.<sup>2</sup>Percent of all births to unmarried women.<sup>3</sup>Births to married women per 1,000 married women aged 15–44 years.

**Birth rates for unmarried women by age** continue to be highest for women aged 18–19 and 20–24 years, followed closely by women aged 25–29 years (figure 3). Rates for younger teenagers and women in age groups 30 years and over are considerably lower (tables 17 and 18). Among teenagers and women aged 20–24 years, rates for unmarried black and Hispanic women on average were 2 to 3 times the rates for non-Hispanic white women in the same age groups. Among age groups 25–29 years and over, rates were considerably higher for Hispanic women than for black or non-Hispanic white women.

**Figure 3. Birth rates for unmarried women, by age of mother: United States, 1980–99**

Age-specific birth rates for unmarried women declined only for teenagers in 1999, a pattern that has generally been observed since 1994. During the 1994–99 period, the rates for unmarried teenagers 15–17 and 18–19 years declined 20 and 10 percent, respectively. Since 1994, rates have fallen considerably for young black, non-Hispanic white, and Hispanic teenagers aged 15–17 years, by 31, 19, and 11 percent, respectively.

The birth rate for unmarried women aged 20–24 years rose about 1 percent, whereas the rate for women aged 25–29 years increased 3 percent. These increases brought the rates for women in their twenties to record highs in 1999. The birth rate for unmarried women aged 30–34 years rose less than 1 percent in 1999, while the rate for women in their late thirties increased 2 percent. The rate for women aged 40–44 years was unchanged in 1999. Increases for women in age groups 20–24 through 35–39 years were substantial for Hispanic women.

The **proportion of all births occurring to unmarried women** increased to 33.0 percent in 1999, compared with 32.8 percent in 1998. The proportions for subgroups in 1998 were 22.1 percent, non-Hispanic white; 69.1 percent, non-Hispanic black; and 42.2 percent, Hispanic; these proportions have risen since the mid 1990's for non-Hispanic white and Hispanic births, but have declined slightly for non-Hispanic black births (see tables 13, 14, 17, and 19 for 1999 data) (24).

Changes in the proportion of births to unmarried women are affected by trends in births and birth rates for married as well as unmarried women (table C). The proportion of births to unmarried women has changed relatively little since 1994 because of compensating changes in these measures as well as in the population of unmarried women (23). However, the increases in the number of unmarried women and their birth rate were larger than the increases in marital fertility. Thus, the proportion of births to unmarried women inched up again in 1999 (24).

The **numbers and proportions of births to unmarried women by State** and by race and Hispanic origin for 1999 are shown in table 19 for the 50 States and the District of Columbia, and each territory. Increases in the numbers and proportions far outpaced declines overall. The numbers increased in 36 States, and declined in 14 States and the District of Columbia. The numbers in the territories declined except for increases in Puerto Rico and American Samoa. The proportion increased in 33 States, Puerto Rico, Guam, American Samoa, and the Northern Marianas, declined in 14 States, the District of Columbia, and the Virgin Islands, and was unchanged in three States.

### Age of father

The **birth rate per 1,000 men aged 15–54 years** was 50.8 in 1999 (table 20). This was slightly lower than the rate in the past year but higher than in 1997. Birth rates increased for men in age groups 25–44 years, remained stable for men in age groups 45 years and over, and decreased for men in the age groups under 25 years.

The mean age of fathers in 1999 was 29.7 years, essentially unchanged from 1997 and 1998 (tabular data not shown). In general, Asian or Pacific Islander fathers as a group were the oldest (32.6 years) with only 2 percent less than 20 years of age. The mean ages of non-Hispanic white fathers and black fathers were 30.9 and 29.0 years, respectively; 3 percent of white fathers and 7 percent of black fathers were teenagers. American Indian fathers were the youngest (28.3

years) with 8 percent less than 20 years of age. Finally, the mean age of Hispanic fathers was 28.4 years with 7 percent less than 20 years of age.

Information on age of father is often missing on birth certificates of children born to unmarried women and women less than 30 years of age (24). In 1999 age of father was not reported for 14 percent of all births but for 40 percent of all nonmarital births. In computing birth rates by age of father, births where age of father is not stated were distributed in the same proportion as births where age of father is stated within each 5-year age interval of mother. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. The procedures for computing birth rates by age of father are described in more detail in the [Technical notes](#).

## Educational attainment

The educational attainment of women who give birth is important because higher educational attainment is associated with more timely receipt of prenatal care and fewer lifestyle and health behaviors during pregnancy that are detrimental to birth outcome (discussed in later sections).

Data from the birth certificate show that the educational attainment of women who gave birth increased substantially over the last few decades, partly reflecting the increases in educational attainment of all women during the time period (25). More than three-fourths of women who gave birth in 1999 had 12 or more years of schooling (78 percent), and 24 percent had 16 or more years of formal schooling ([table 21](#)). The percent of mothers with at least 12 years of schooling generally increased over the range of age, to about 90 percent for women who gave birth in their thirties and then slightly decreased for mothers 40 years of age and over (89 percent). The percent of mothers with at least 16 years of formal schooling was highest for women 35 years of age and over (44 percent). The median educational attainment for all mothers in 1999 was 12.9 years.

In general, Japanese and Filipino mothers were the most likely to have completed 12 years of school—98 percent and 94 percent, respectively ([table 13](#)). Eighty-seven percent of non-Hispanic white mothers compared with 74 percent of non-Hispanic black mothers and 51 percent of Hispanic mothers had completed high school ([table 14](#)). Although the overall proportion of Hispanic mothers with at least 12 years of schooling was low, there was considerable variation among Hispanic subgroups, ranging from 45 percent of Mexican mothers to 88 percent of Cuban mothers. More than two-thirds of American Indian mothers had 12 or more years of schooling (68 percent). Finally, 31 percent of non-Hispanic white mothers had at least 16 years of school compared with 11 percent of non-Hispanic black mothers and 7 percent of Hispanic mothers.

## Maternal lifestyle and health characteristics

### Weight gain

Maternal weight gain is one of the components in the complex relationship between lifestyle characteristics of the mother and the development of the fetus (26). In 1990 the National Academy of Sciences published weight-gain guidelines that varied according to mother's body mass index (BMI), which is calculated from her

prepregnancy weight and height. The guidelines recommend that women who are underweight (low BMI) gain 28 to 40 pounds, those who are of normal weight (average BMI) gain 25 to 35 pounds, those who are overweight (high BMI), gain 15 to 25 pounds, and obese women, gain not more than 15 pounds (27).

Information on maternal weight gain is collected on the birth certificate, but information on the mother's prepregnancy weight and height is not. Therefore, it is not possible to determine whether the weight gain was within the recommendations for the mother's BMI. Differences between subgroups in maternal weight gain may reflect differences in the proportion of mothers who gained outside the recommended range but could also be the result of group differences in maternal height and prepregnancy weight.

In 1999 all States except California reported information on weight gain. Births to mothers residing in these States accounted for 87 percent of all births in the United States. In 1999, the majority of women (64 percent) gained 26 pounds or more during pregnancy ([table 22](#)). The **median weight gain** in 1999 was 30.5 pounds and it has changed very little in the last 10 years. Despite the consistency of the median weight gain, the percent of mothers who gained at either end of the weight gain spectrum was higher in 1999 than in 1989—weight gains of less than 16 pounds increased from 9.4 percent in 1989 to 11.8 percent in 1999 while weight gains of 46 pounds or more increased from 9.1 percent in 1989 to 12.0 percent in 1999.

The **weight gain of the mother during pregnancy varied considerably by period of gestation**. Mothers who had preterm infants (gestations of under 37 completed weeks) gained 3 pounds less during pregnancy (27.9 pounds) than mothers who had babies with gestations of 40 weeks and over (30.9 pounds). The median weight gain for non-Hispanic white women (30.8 pounds) was about a pound higher than for either non-Hispanic black women (30.0 pounds) or Hispanic women (29.8 pounds).

The percent of non-Hispanic black mothers who had weight gains of less than 16 pounds (17.1 percent) was much higher than for Asian or Pacific Islander (API) (9.7 percent) and non-Hispanic white mothers (10.2 percent) while American Indian mothers were intermediate (15.9 percent) ([tables 24 and 25](#)).

Within Hispanic subgroups, the percent of Mexican mothers who gained less than 16 pounds (15.0 percent) was more than twice that of Cuban mothers (7.1 percent) while the remaining groups were intermediate ([table 25](#)).

**Maternal weight gain has been shown to have a positive correlation with the birthweight of the infant** (28). This relationship is substantiated by the data in [table 23](#). The percent of infants with low birthweight dropped steadily with increasing weight gain through 36 to 40 pounds, from 13.9 to 5.2 percent, remained steady at 5.2 percent for women who gained 41 to 45 pounds, and then increased slightly for mothers who gained 46 pounds or more (5.5 percent). The general decline in the percent low birthweight with greater maternal weight gain is present for non-Hispanic white, non-Hispanic black, and Hispanic women regardless of the period of gestation.

### Medical risk factors

Maternal medical risk factors have a major influence on pregnancy complications and infant survival (29–31). Some of these conditions require close medical supervision to prevent severe complications. Sixteen medical risk factors that can affect pregnancy outcome are separately identified on the birth certificate ([table 26](#)).

In 1999 the most frequently reported medical risk factors were **pregnancy-associated hypertension** (38.2 per 1,000 live births), **diabetes** (27.3) and **anemia** (23.2) ([table 26](#)). These have been the most frequently reported risk factors since 1990, and their rates have risen steadily. Pregnancy-associated hypertension increased by 40 percent; the rates for diabetes and anemia increased by 28 and 27 percent, respectively. The pregnancy-associated hypertension rate rose among the majority of racial and ethnic groups during the 1990's. Rates for the related hypertensive disorders, **chronic hypertension** and **eclampsia**, have been relatively stable during this decade.

Overall, and for the majority of racial and ethnic groups, the reported rate of **hydramnios/oligohydramnios** (the excess or shortage of amniotic fluid) has consistently increased each year since 1990, and has more than doubled between 1990 and 1999 (from 5.9 to 13.5 per 1,000). These conditions have been associated with diabetes (32, 33). Acute or chronic **lung disease** (e.g., asthma, tuberculosis) has exhibited an even more dramatic upward trend. Although lung disease is reported in only 1 percent of all pregnant women, the level of lung disease has more than tripled overall between 1990 and 1999 (from 3 to 11 per 1,000).

Medical risk factors during pregnancy vary greatly by **race and ethnicity** ([tables 27 and 28](#)). Since 1992, American Indian women have consistently had the highest rates of pregnancy-associated hypertension, diabetes, and anemia, comprising about 5 percent of all American Indian pregnancies for each condition. In comparison, during the same time period, only about 1 percent of Chinese mothers had pregnancy-associated hypertension or anemia. Among the Hispanic subgroups, in 1999 Cuban mothers had the lowest rates of anemia and diabetes (1 and 2 percent each, respectively).

Medical risk factor rates also often differ widely by maternal age ([table 26](#)). Anemia, for example, is more common among younger mothers (33 per 1,000 for mothers under 20 years of age compared with 18 for mothers 40 years of age and over). Older mothers, conversely, are more prone to chronic conditions such as diabetes (65 per 1,000 for mothers 40 years and over compared with 8 per 1,000 for mothers under 20 years of age). Some risk factors, however, such as pregnancy-associated hypertension, follow a U-shaped pattern, with the highest levels at the extremes of the maternal age distribution.

Rates for rarely occurring medical risk factors and for smaller population groups can vary widely from year-to-year and should be used with caution. Some of the apparent increases since 1990 may be an artifact of improved reporting. Other issues to be considered in evaluating the completeness of reporting include the diversity of the risk factors, their temporal and causal sequence in the pregnancy, and factor specific underreporting (34, 35). Medical risk factors may be incorrectly reported due to lack of uniform definitions and difficulty in interpreting data from medical records (36).

## Tobacco use during pregnancy

**Smoking during pregnancy declined again to 12.6 percent of women giving birth in 1999**, according to birth certificate data. This was a 2-percent drop compared with 1998 (12.9 percent), and a 35-percent reduction since 1989 (19.5 percent), when this information first became available on the birth certificate (21, 37). Beginning in 1999, data on whether or not the mother smoked during pregnancy is available for all States and the District of Columbia, except for California and South Dakota. This reporting area comprised 87

percent of U.S. births in 1999. (See [tables 24, 25, and 29–32](#).) Additional information on the reporting areas is included in the [Technical notes](#).

Some studies have suggested that smoking may be underreported on birth certificates due to a variety of factors, including the lack of a specific time reference for smoking status, variations in the source of this information for each birth, and the growing stigma associated with smoking (37–40). Nevertheless, trends in maternal smoking based on the birth certificate are generally consistent with those reported for recent years from the National Survey of Family Growth and more recently from CDC's Behavioral Risk Factor Surveillance Summary, and variations in smoking among population subgroups found in birth certificate data have been corroborated in other studies (13, 41–43).

Tobacco use during pregnancy is associated with a variety of adverse outcomes, including increased risk of miscarriage, intrauterine growth retardation, low birthweight, and infant mortality, as well as negative consequences for child health and development (44–47).

**Maternal smoking declined or was unchanged in all racial and Hispanic origin groups.** As in previous years, rates were highest for non-Hispanic white, American Indian, and Hawaiian women, and lowest for Mexican, Cuban, Central and South American, and Asian or Pacific Islander women (API) (except Hawaiian) ([tables 24 and 25](#)). The generally very low smoking rates found for Mexican, Central and South American, Chinese, and Filipino women from birth certificate data have been confirmed elsewhere (42). Smoking rates tend to be dramatically higher for women born in the 50 States and the District of Columbia than for women born outside these areas, a pattern that has been described in other studies ([tables 24 and 25](#)) (48, 49).

**Maternal smoking among teenagers rose about 2 percent overall**, the fifth consecutive year of increase, with all of the 1998–99 increase confined to older teenagers (up from 19.2 to 19.5 percent) ([figure 4](#)) (37). Between 1994 and 1996, smoking rates rose for younger teenagers 15–17 years as well as older teenagers. Since 1996, rates for young teenagers have been stable, whereas rates for older teenagers have risen 7 percent.

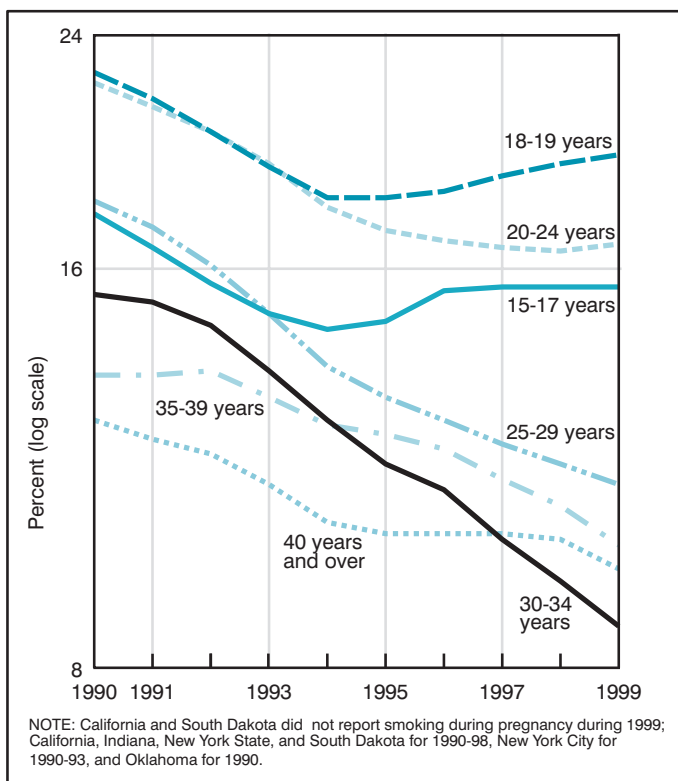
Smoking rates increased among non-Hispanic white and black teenagers 15–19 years in 1999; the rate for Hispanic teenagers declined to 4.6 percent. The smoking rate for non-Hispanic black teenagers was 7.2 percent in 1999, compared with 5.0 percent in 1994 when the rate began to rise (see [table 30](#) for 1999 data.) The rate for non-Hispanic white teenagers increased to 30.1 percent; their rates were 4 to 5 times the rates for non-Hispanic black teenagers. Non-Hispanic white women aged 18–19 years had the highest smoking rate of any group, 30.7 percent, but the rate for younger non-Hispanic white teenagers was nearly as high, 28.7 percent ([table 30](#)).

The increase over the period 1994–99 in smoking among teenagers, especially older teenagers, has begun to impact rates for women in their early twenties, as older teenagers have turned 20 years and over. **Smoking rates for women aged 20–24 years increased in 1999** for the first time since this information first became available in 1989. Overall, the rate rose 1 percent to 16.7 percent, with increases measured for non-Hispanic white and black women, and Puerto Rican and Cuban women. The rate declined for Mexican women.

Smoking during pregnancy generally declined for women in age groups 25–54 years. Patterns of smoking rates and trends by age, race, and Hispanic origin are described in detail elsewhere (37).

Among smokers, **the proportion smoking at least half a pack of cigarettes daily** has declined steadily in recent years—to 30 percent





**Figure 4. Percent of mothers who smoked during pregnancy by age: Total reporting areas, 1990-99**

in 1999 (compared with 42 percent in 1990) (37). Information on the number of cigarettes smoked daily was reported in a comparable manner on the birth certificates of 46 States, the District of Columbia and New York City in 1999, comprising 81 percent of U.S. births. Non-Hispanic white mothers and older mothers are more likely than other mothers to smoke half a pack or more (tables 29 and 31).

**Smoking rates by maternal educational attainment** continue to be highest for women with 9-11 years of education, 26 percent in 1999, and lowest for women with 4 years or more of college, 2 percent (table 31). Even among women aged 20 years and over, smoking rates were highest for mothers who attended but did not graduate from high school—29 percent overall and 48 percent of non-Hispanic white women (tabular data not shown).

**Babies born to mothers who smoke during pregnancy are at greatly elevated risk of low birthweight (LBW)**, a finding documented in birth certificate data as well as in numerous other studies (44, 51). In 1999, 12.1 percent of infants born to smokers weighed less than 2,500 grams (5 lb 8 oz) compared with 7.2 percent of births to nonsmokers (table 32). This substantial differential is found for every race and Hispanic origin group. Heavier smoking heightens the LBW risk, although LBW is elevated even among babies born to the lightest smokers (1 to 5 cigarettes daily), 11.1 percent (tabular data not shown) (50). Advancing maternal age exacerbates the risk, probably a consequence of the much greater cigarette consumption among older women (table 29).

**Alcohol use during pregnancy**

Pregnancy and birth outcome can be jeopardized by maternal alcohol use during pregnancy. Even low to moderate alcohol use has

been shown to jeopardize birth outcome, independent of other risk factors such as tobacco use and other maternal risk factors (52, 53). All States except California and South Dakota included items on alcohol use on their birth certificates in 1999. This reporting area accounted for 87 percent of U.S. births.

Alcohol use during pregnancy is substantially underreported on the birth certificate according to studies of birth certificate reporting and related surveys of pregnant women (34, 41). According to birth certificate data, alcohol use declined again in 1999 to just 1.0 percent of mothers reporting any alcohol use compared with 1.1 percent in 1998 and 4.1 percent in 1989, the first year this information was reported on the birth certificates (see tables 24 and 25 for 1999 data). A study based on an analysis of responses by about 1,300 pregnant women in the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveillance System found that about 15 percent of women used alcohol during pregnancy in 1995. The researchers also reported that although alcohol use declined from 1988 (23 percent) to 1992 (10 percent), there was a statistically significant rise to 15 percent in 1995 (54).

The nature of the birth certificate questions on alcohol use apparently has contributed to the underreporting because the questions focus on the number of drinks per week, whereas other studies inquire about drinks per month (54). Women who drink, but less than one drink per week, may report no alcohol use for the birth certificate question. The stigma associated with alcohol use also contributes to the underreporting (26, 54).

**Medical services utilization**

**Prenatal care**

The percent of women who began **prenatal care in the first trimester** of pregnancy rose slightly for 1998-99, from 82.8 to 83.2. Following a decade of little progress, the proportion of women entering care within the first 3 months of pregnancy has risen each year in the 1990's. (See table D and tables 33-35 for 1999 data.) In 1999, 3.8 percent of all mothers received late or no care ("late care" is prenatal care beginning in the third trimester), compared with

**Table D. First trimester prenatal care by race and Hispanic origin of mother: United States, 1980, 1985, 1990-99**

| Year | All races <sup>1</sup> | Non-Hispanic |       | Hispanic <sup>2</sup> |
|------|------------------------|--------------|-------|-----------------------|
|      |                        | White        | Black |                       |
| 1999 | 83.2                   | 88.4         | 74.1  | 74.4                  |
| 1998 | 82.8                   | 87.9         | 73.3  | 74.3                  |
| 1997 | 82.5                   | 87.9         | 72.3  | 73.7                  |
| 1996 | 81.9                   | 87.4         | 71.5  | 72.2                  |
| 1995 | 81.3                   | 87.1         | 70.4  | 70.8                  |
| 1994 | 80.2                   | 86.5         | 68.3  | 68.9                  |
| 1993 | 78.9                   | 85.6         | 66.1  | 66.6                  |
| 1992 | 77.7                   | 84.9         | 64.0  | 64.2                  |
| 1991 | 76.2                   | 83.7         | 61.9  | 61.0                  |
| 1990 | 75.8                   | 83.3         | 60.7  | 60.2                  |
| 1989 | 75.5                   | 82.7         | 59.9  | 59.5                  |
| 1985 | 76.2                   | ---          | ---   | ---                   |
| 1980 | 76.3                   | ---          | ---   | ---                   |

--- Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.

<sup>2</sup>Includes all persons of Hispanic origin of any race.

3.9 percent in 1998. The percent of women with late or no care has fallen from 6.1 percent since 1990. The benefits of prenatal care to pregnancy outcome are difficult to measure (55, 56), but appropriate care can promote healthier pregnancies by managing preexisting medical conditions, providing health behavior advice, and assessing the risk of poor pregnancy outcome (57).

Small gains in timely care were reported between 1998 and 1999 for the three largest racial and ethnic groups: non-Hispanic white (from 87.9 to 88.4 percent), non-Hispanic black (from 73.3 to 74.1 percent), and Hispanic women (from 74.3 to 74.4 percent), and for most subgroups. Whereas substantial improvements in care have been observed among all groups during the 1990's, improvement has been most pronounced for groups with lower levels of timely care. Between 1990 and 1999, levels of first trimester care rose by 20 percent or more among non-Hispanic black, American Indian, Hawaiian, Mexican, Puerto Rican, and Central and South American women. (See tables E, 24, and 25.) The larger gains for these groups have resulted in some narrowing of the prenatal care gap, but large differences among groups persist.

Of the 50 States and the District of Columbia, women living in New England had the highest levels of prenatal care utilization for 1999. At least 87 percent of women who gave birth in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont received care in the first trimester; less than 3 percent of New England residents received late or no care (table 34).

The Adequacy of Prenatal Care Utilization Index (APNCU) is an alternative measure of prenatal care utilization developed to adjust for some of the weaknesses of the month care began and the Kessner Index (58, 59). The APNCU is based on the month that prenatal care began and the number of prenatal visits, adjusting for gestational age. For 1999 the APNCU shows an appreciable rise in the percent of women with intensive use of care (women for whom the number of visits exceeded the American College of Obstetricians and Gynecologists' recommendations by a ratio of observed to expected visits of at least 110 percent) from 31.0 to 31.6 percent. All other levels of care, that is, adequate, intermediate and inadequate, were down slightly (table F). For 1990–99, the largest changes in utilization were for intensive use of care (up 28 percent) and inadequate care (down 33 percent).

**Table F. Adequacy of Prenatal Care Utilization Index: United States, 1990, 1995–99**

|                | Intensive use | Adequate | Intermediate | Inadequate |
|----------------|---------------|----------|--------------|------------|
| 1999 . . . . . | 31.6          | 43.1     | 13.6         | 11.7       |
| 1998 . . . . . | 31.0          | 43.3     | 13.8         | 11.9       |
| 1997 . . . . . | 30.7          | 43.3     | 14.0         | 12.0       |
| 1996 . . . . . | 29.3          | 43.6     | 14.7         | 12.4       |
| 1995 . . . . . | 28.8          | 43.7     | 14.7         | 12.8       |
| 1990 . . . . . | 24.6          | 42.3     | 15.7         | 17.4       |

NOTE: See reference 58 for information on calculation of this measure; also see Technical notes of this report.

**Obstetric procedures**

Six specific obstetric procedures are reported on the birth certificate. Rates of four of these procedures have been rising steadily every year since 1989 (60, 61) (figure 5). In 1999 the most prevalent procedure, electronic fetal monitoring, was reported for nearly 3.3 million births, or 84 percent of all live births in the United States (table 36), a 15-percent increase over 1990. It has been shown that use of obstetric procedures may be underreported on the birth certificate (62–64).

At least 66 percent of mothers who had live births in 1999 received ultrasound, a 26-percent increase since 1990. The overall rates per 1,000 live births of stimulation of labor and induction of labor in 1999 were 179 (17.9 percent, a 58-percent increase since 1990) and 198 (19.8 percent, twice the 1990 levels), respectively (figure 6). As would be expected, induction rates increase with advancing gestational age, but rates have been rising for all gestation groups.

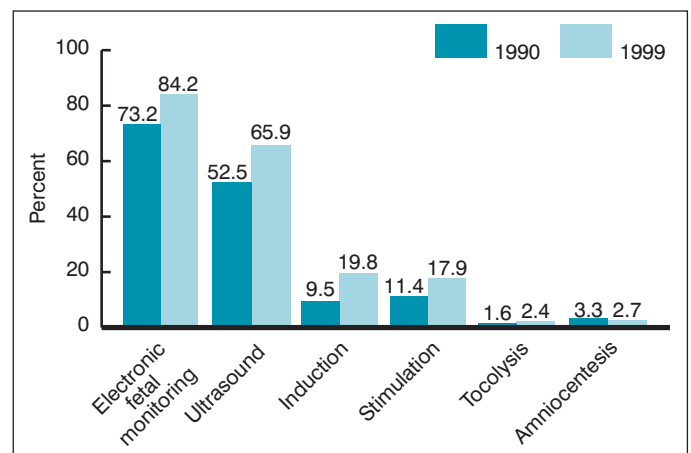
The overall rate for tocolysis has been slowly increasing, from 1.6 percent in 1990 to 2.4 percent in 1999 (a 50-percent increase). Tocolytics (agents that decrease uterine activity) are used in the management of preterm labor (33).

The overall rate for amniocentesis was 26.5 per 1,000 births (2.7 percent) in 1999, down 21 percent from 1990 (figure 5). Use of amniocentesis rises with increasing maternal age. Since 1990, amniocentesis rates have generally decreased for all age groups.

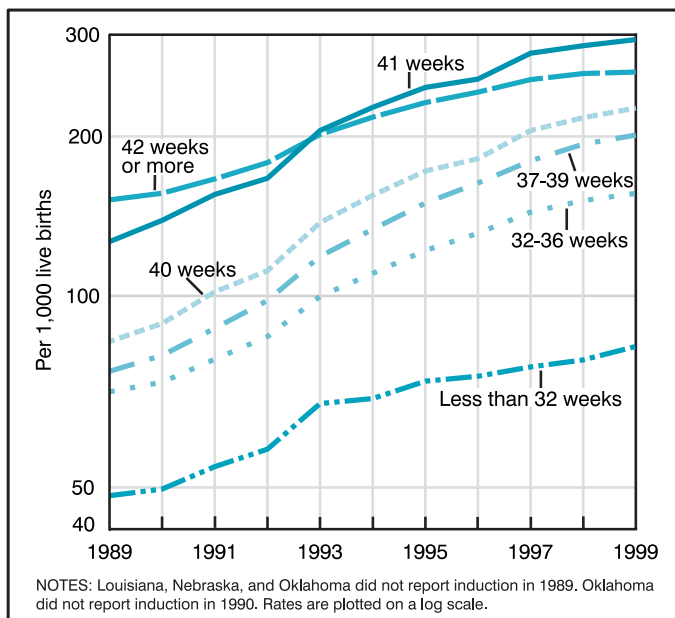
**Table E. Percent of women with care beginning in the first trimester of pregnancy by specified race and Hispanic origin of mother: United States, 1990 and 1999**

|   | Percent first trimester care |      | Percent change |
|---|------------------------------|------|----------------|
|   | 1999                         | 1990 | 1990–99        |
| Total, all races <sup>1</sup> . . . . . | 83.2                         | 75.8 | 10             |
| Cuban . . . . .                         | 91.4                         | 84.8 | 8              |
| Japanese . . . . .                      | 90.7                         | 87.0 | 4              |
| Chinese . . . . .                       | 88.5                         | 81.3 | 9              |
| Non-Hispanic white . . . . .            | 88.4                         | 83.3 | 6              |
| Filipino . . . . .                      | 84.2                         | 77.1 | 9              |
| Hawaiian . . . . .                      | 79.6                         | 65.8 | 21             |
| Puerto Rican . . . . .                  | 77.7                         | 63.5 | 22             |
| Central and South American . . . . .    | 77.6                         | 61.5 | 26             |
| Non-Hispanic black . . . . .            | 74.1                         | 60.7 | 22             |
| Mexican . . . . .                       | 73.1                         | 57.8 | 26             |
| American Indian . . . . .               | 69.5                         | 57.9 | 20             |

<sup>1</sup>Includes births to race/Hispanic origin groups not shown separately.



**Figure 5. Percent of births with selected obstetric procedures: United States, 1990 and 1999**



**Figure 6. Rates of induction of labor by length of gestation in weeks: United States, 1989–99**

**Complications of labor and/or delivery**

Of the 15 complications of labor and/or delivery reported on the birth certificate, the five most frequently reported in 1999 were meconium, moderate/heavy (55 per 1,000 live births), fetal distress (40 per 1,000), breech/malpresentation (39 per 1,000), dysfunctional labor (27 per 1,000), and premature rupture of membrane (PROM) (26 per 1,000) (table 37). It has been shown that levels of complications of pregnancy may be underreported on the birth certificate (62–64).

Although infrequent, placental complications such as abruptio placenta and placenta previa are serious events. Abruptio placenta occurred in approximately 22,000 births (6 per 1,000). Although the exact etiology is unknown, major risk factors include prior abruptio placenta and hypertension (33,65). Placenta previa occurred in approximately 12,500 births (3 per 1,000). Risk factors for placenta previa include increasing age and multiparity (33).

Rates for all complications varied among the major racial/ethnic subgroups (tables 27 and 28). Non-Hispanic black mothers had the highest rates for meconium (76 per 1,000) and fetal distress (51 per 1,000). Non-Hispanic white mothers had the highest rate of breech/malpresentation (44 per 1,000). American Indian and Cuban mothers had the highest rates of dysfunctional labor (36 and 40 per 1,000, respectively). PROM was reported most frequently for American Indian mothers (39 per 1,000). Mexican mothers had the lowest complication rates overall.

Complication rates generally varied by age, and this was notable for three of the most frequently reported complications (table 37). The highest rates of meconium, fetal distress, and PROM were reported in the youngest and oldest mothers (under 20 years and above 34 years of age).

**Attendant at birth and place of delivery**

More than 9 out of 10 births in 1999 (91.7 percent) were attended by a physician in a hospital, making this arrangement by far

the most typical (table 38). However, the percent of births with this arrangement was slightly lower in 1999 than in 1998 (91.9 percent) and has declined from 98.4 percent in 1975. For physician-attended births, 4.4 percent were by **doctors of osteopathy (DO's)** while the remaining were attended by **doctors of medicine (MD's)**. Although small, the number and percent of births attended by DO's has grown steadily since 1989, the first year data on DO's were available from the birth certificate. The percent of births attended by **midwives** increased sharply between 1975 (1.0 percent) and 1999 (7.7 percent). A recent report found that nearly all of the growth in midwife-attended births was for those in hospitals (61). About 95 percent of midwife-attended births in 1999 were by **certified nurse midwives (CNM's)**.

About 99 percent of births in 1999 were delivered in hospitals, virtually unchanged in the last several decades. The majority of out-of-hospital births were in a residence (65 percent) while 27 percent were in a **freestanding birthing center**.

About 92 percent of births to non-Hispanic white and black women were attended by a physician in a hospital compared with 90 percent of births to Hispanic women. Hispanic women were more likely to have midwife-attended hospital births (9 percent) than were either non-Hispanic white or black women (6 and 7 percent, respectively).

**Method of delivery**

The **rate of cesarean delivery** increased 4 percent between 1998 and 1999 (from 21.2 per 100 live births to 22.0) and was 6 percent higher than the recent low point in 1996 (20.7). This was the third consecutive year that the rate increased after falling each year during 1989–96 (table G and table 39). The rate in 1999 was still 4 percent lower than the rate of 22.8 in 1989, the first year this information was available on the birth certificate. The **primary cesarean rate** in 1999 (15.5 per 100 live births to women who had no previous cesarean) was 4 percent higher than in 1998 (14.9) and 6 percent higher than in 1997 (14.6). The rate had declined each year between 1989 and 1996 and remained steady between 1996 and 1997. The primary rate in 1999 was 4 percent lower than in 1989 (16.1).

**Table G. Total and primary cesarean rates and vaginal births after previous cesarean delivery rates: United States, 1989–99**

| Year           | Cesarean rate      |                      | VBAC rate <sup>3</sup> |
|----------------|--------------------|----------------------|------------------------|
|                | Total <sup>1</sup> | Primary <sup>2</sup> |                        |
| 1999 . . . . . | 22.0               | 15.5                 | 23.4                   |
| 1998 . . . . . | 21.2               | 14.9                 | 26.3                   |
| 1997 . . . . . | 20.8               | 14.6                 | 27.4                   |
| 1996 . . . . . | 20.7               | 14.6                 | 28.3                   |
| 1995 . . . . . | 20.8               | 14.7                 | 27.5                   |
| 1994 . . . . . | 21.2               | 14.9                 | 26.3                   |
| 1993 . . . . . | 21.8               | 15.3                 | 24.3                   |
| 1992 . . . . . | 22.3               | 15.6                 | 22.6                   |
| 1991 . . . . . | 22.6               | 15.9                 | 21.3                   |
| 1990 . . . . . | 22.7               | 16.0                 | 19.9                   |
| 1989 . . . . . | 22.8               | 16.1                 | 18.9                   |

<sup>1</sup>Percent of all live births by cesarean delivery.  
<sup>2</sup>Number of primary cesareans per 100 live births to women who have not had a previous cesarean.  
<sup>3</sup>Number of vaginal births after previous cesarean (VBAC) delivery per 100 live births to women with a previous cesarean delivery.

The rate of **vaginal birth after previous cesarean delivery (VBAC)** declined 11 percent between 1998 and 1999—from 26.3 per 100 women with a previous cesarean to 23.4. The VBAC rate has declined 17 percent between 1996 and 1999 after increasing by 50 percent between 1989 and 1996 (from 18.9 to 28.3).

Overall cesarean rates increased steadily by age of the mother and were more than twice as high for mothers 40–54 years of age (34.7) than for teenagers (15.0) ([table 40](#)). Primary cesarean rates increased with additional age after age 24 years, to 24.6 for women 40–54 years of age. VBAC rates declined with increasing age—28.1 percent of teenagers who had a previous cesarean had a VBAC delivery compared with 18.2 percent of mothers 40–54 years of age. All age groups experienced increases in their total cesarean rate between 1998 and 1999 with mothers 30 years of age and over having slightly greater percent increases than younger women. All age groups experienced declines in VBAC rates between 1998 and 1999.

Non-Hispanic black women had a higher cesarean rate in 1999 (23.2) than either non-Hispanic white women (22.1) or Hispanic women (21.2). The percent increase between 1998 and 1999 was similar for non-Hispanic white and black women, about 4 percent each, compared with a 3-percent increase for Hispanic women. The primary cesarean rate for non-Hispanic black women (16.5) was higher than the rate for non-Hispanic white women (15.7) and Hispanic women (14.0). All groups experienced increases in their primary cesarean rate from 1998 to 1999, but the percent increase for non-Hispanic white women (4 percent) was slightly higher than for non-Hispanic black and Hispanic women (3 percent each). The VBAC rate in 1999 was highest for non-Hispanic white women (24.1), lowest for Hispanic women (20.3) and intermediate for non-Hispanic black women (23.2). The VBAC rate for each group declined between 1998 and 1999 with non-Hispanic white women having a greater percent decline (12 percent) than for the other groups (between 9 and 10 percent each).

American Indian and Asian or Pacific Islander (API) mothers had lower cesarean rates (18.9 and 20.2, respectively) than either non-Hispanic white or black mothers ([tables 24 and 25](#)). With the exception of Filipino mothers, all specified API categories had lower rates of cesarean delivery than either non-Hispanic white or black mothers. The rate of cesarean delivery varied between 20.6 and 23.1 for all Hispanic subgroups except for Cuban mothers whose rate was much higher (33.2) ([table 25](#)).

There was considerable variation in cesarean rates by State with the highest rate reported for Mississippi (27.3); the rate for Puerto Rico was 37.8 ([table 41](#)). (The rate for Hawaii, apparently the lowest at 13.8, is believed to be substantially underreported; see [Technical notes](#).) There was also considerable variation in VBAC rates by State, from 36.3 in New Hampshire to 11.3 in Louisiana.

All of the selected medical risk factors in [table 42](#) were associated with overall cesarean rates that were higher than the national average. Cesarean rates for the medical risk factors ranged from 22.2 for mothers with anemia to 49.1 for mothers with eclampsia. Certain complications of labor and/or delivery are also associated with high cesarean rates. Nearly all births with cephalopelvic disproportion were cesarean deliveries (96.4) while the cesarean rates for breech/malpresentation (84.5) and placenta previa (81.7) were also very high.

The percent of births that were delivered by either forceps or vacuum extraction was 7.4 percent in 1999, 22 percent lower than the

peak of 9.5 percent in 1994 (61). Births delivered by forceps declined 58 percent between 1989 and 1999, from 5.5 to 2.3 percent. Births delivered by vacuum extraction increased from 3.5 percent in 1989 to 6.2 percent in 1996 and 1997, a 77-percent increase. However, births delivered by vacuum extraction fell 18 percent between 1997 and 1999, to 5.1 percent. When only vaginal births are considered, the percent delivered by vacuum extraction fell 17 percent between 1997 (7.8 percent) and 1999 (6.5 percent) (tabular data not shown).

## Infant health characteristics

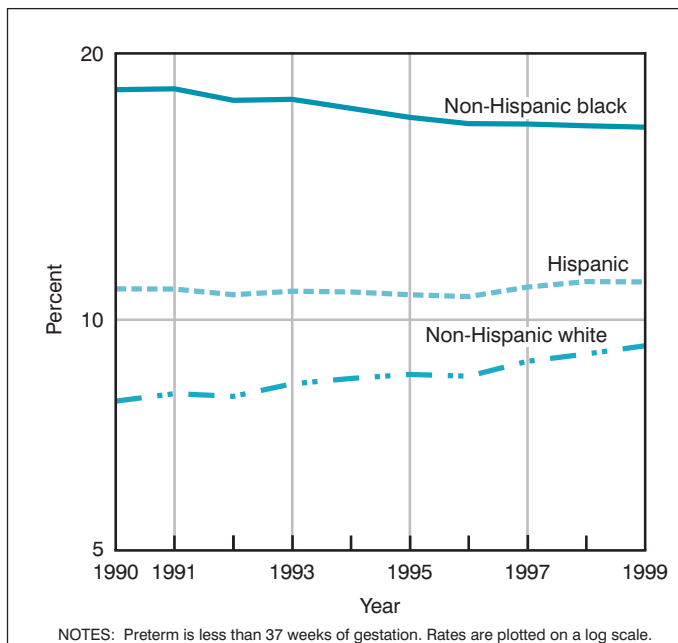
### Period of gestation

The **preterm birth rate** rose again in 1999 to 11.8 percent, from 11.6 percent in 1998. The proportion of infants born preterm (less than 37 completed weeks of gestation) has risen quite steadily during the 1990's from 10.6 percent, or by 11 percent. All of the current year rise, and most of that for the decade, has been among moderately preterm births (32–36 weeks). The rate of very preterm birth (less than 32 weeks) was stable at 1.96 percent for 1998–99 and has fluctuated only moderately since 1990. (See [tables 24, 25, 43, and 44](#).)

More than 90 percent of all neonatal deaths occur among infants born preterm; more than three-fourths of these deaths occur among those born at fewer than 32 weeks of gestation (66). Preterm newborns are also more likely to be neurologically impaired than infants born at longer gestations (67). Preterm birth results from spontaneous preterm labor, premature rupture of the membranes (PROM), or medical induction (these categories are not mutually exclusive). The rate of PROM appears to have declined slightly, but medically induced preterm births have more than doubled during the 1990's (labor may be induced preterm when the mother's or the infant's health is presumed to be at risk). (See section on Obstetric procedures and [figures 5 and 6](#).) A recent study concluded that substantial future reductions in preterm birth are unlikely until the mechanisms leading to preterm birth are better understood (67).

The incidence of preterm birth among non-Hispanic white infants climbed to 10.5 percent for 1999, compared with 10.2 percent in 1998, and 9.9 percent in 1997. Over the decade, the non-Hispanic white preterm rate has risen 24 percent (from 8.5 percent). Although this increase is influenced by the rise in the rate of multiple births (multiple births are about 6 times more likely to be born preterm than singleton births), preterm rates for singleton births have also been on the ascent (68) ([figure 7](#)). Since 1990, the non-Hispanic white singleton preterm rate has risen from 7.5 to 8.8 percent. Again, most of the rise was among moderately preterm births; the very preterm rate fluctuated only from 1.11 to 1.16 percent.

The preterm birth rate for black non-Hispanic births was unchanged for 1997–99 at 17.6 percent. This rate has declined from a high of 19.0 percent reported for 1991. Although still substantially higher than that for non-Hispanic white births, the preterm and very preterm rates for singleton non-Hispanic black births have been trending downward, albeit slowly ([figure 7](#)). The 1999 preterm rate for non-Hispanic black singleton births was 16.1 compared with 16.2 percent the previous year, and 17.9 percent in 1990. More fortuitously, very preterm births were down from 4.2 to 3.6 percent for 1990–99.



**Figure 7. Rate of singleton preterm birth by race and Hispanic origin of mother: United States, 1990–99**

The proportion of **Hispanic** preterm births was unchanged from the previous year at 11.4 percent. Over the decade, preterm singleton Hispanic births have risen slightly from 10.3 to 10.5 percent. There has been, however, essentially no change in the Hispanic rate of singleton very preterm births (1.5 percent in 1990 and 1999). Preterm rates for the Hispanic subgroups (all pluralities) ranged from 11.1 (Mexican) to 13.7 percent (Puerto Rican) for the current year. Rates for all of the subgroups increased between 1990 and 1999. (See [table 25](#) for 1999 data.)

The preterm birth rate for American Indians was 12.9 percent for 1999. Among the Asian or Pacific Islander subgroups, rates ranged from 7.6 percent for Chinese births to 12.4 percent for Filipino births ([table 24](#)). Preterm birth levels among American Indian and each Asian or Pacific Islander subgroup have also risen during the 1990's.

**Birthweight**

The **percent low birthweight (LBW)** (less than 2,500 grams) was 7.6 for 1999, unchanged from 1998. LBW has been climbing fairly steadily since the mid-1980's (6.8 percent in 1985 and 1986), and has risen 9 percent (from 7.0 percent) since 1990. (See [tables 43–47](#).) The **percent very low birthweight (VLBW)** (less than 1,500 grams) was 1.45 for 1999, also unchanged from the previous year. The rate of VLBW has also risen over the last two decades, from 1.15 percent in 1980, and from 1.27 percent in 1990. Low birthweight infants disproportionately suffer long-term morbidity and early death (69). Less than half of 1 percent of infants born at weights of more than 2,499 grams do not survive the first year of life, compared with about 2 percent of moderately LBW infants (1,500 to 2,499 grams), and 25 percent of VLBW infants (66).

The upward trends in LBW and VLBW of recent years have been strongly influenced by the upsurge in the multiple birth rate; twins and triplets and other higher order multiples are comprising a growing proportion of all births and tend to be born at much lower weights than

singletons (70). In 1999, 6 percent of singletons weighed less than 2,500 grams compared with 57 percent of multiples.

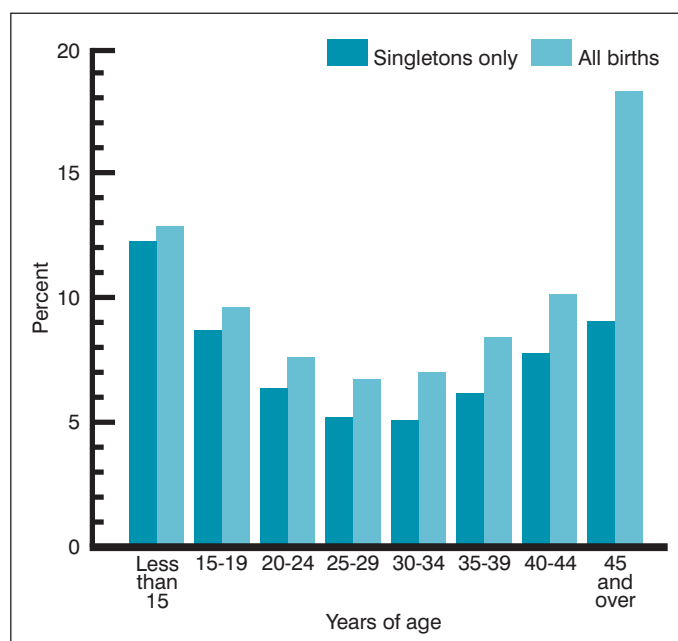
The youngest mothers (less than 15 years) and the oldest (45 years of age and over) are most likely to have a LBW infant. See [figure 8](#). Much of the low birthweight incidence among older mothers is associated with their greater preponderance of multiple births. (More than half of the LBW infants born to women 45 years of age and over in 1999 were born in a multiple birth.) When only singleton births are examined, women 45 years and over were less likely than the youngest mothers to bear a LBW child.

The impact of multiple births has been most pronounced for non-Hispanic white births, among whom multiple birth rates have risen the swiftest (70). Overall LBW for this group has climbed 18 percent, from 5.6 to 6.6 percent since 1990 ([table 44](#)). Although much of this rise can be attributed to the influence of multiple births, singleton LBW has also risen (from 4.6 to 4.9 percent); this increase is largely unexplained ([table H](#)).

Overall LBW among births to black mothers has declined from 13.3 to 13.1 percent between 1990 and 1999, but remains higher than levels reported for the early and mid-1980's (low of 12.6 percent). Singleton LBW for black infants however, has dropped to the lowest levels reported ([table H](#)). Notwithstanding this recent decline, singleton black infants are twice as likely as singleton white and Hispanic infants to be born LBW.

Overall and singleton LBW among Hispanic births has been comparatively stable over the decade, rising only slightly from 6.1 to 6.4 percent (all pluralities) and 5.2 to 5.3 percent (singletons only) between 1990 and 1999. Among the Hispanic subgroups, LBW levels ranged from 5.9 percent for Mexican to 9.3 percent for Puerto Rican births. (See [table 25](#).)

The incidence of low birthweight among **American Indian** infants was 7.1 percent for 1999. Among **Asian and Pacific Islander** subgroups LBW ranged from a low of 5.2 percent for Chinese to a high of 8.3 percent for Filipino births ([table 24](#)).



**Figure 8. Percent low birthweight for singletons and for all pluralities by maternal age: United States, 1999**

**Table H. Percent low birthweight among singletons by race and Hispanic origin of mother: United States, 1980, 1985, and 1990–99**

| Year                        | Total | White |              | Black |              | Hispanic <sup>1</sup> |
|-----------------------------|-------|-------|--------------|-------|--------------|-----------------------|
|                             |       | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| 1999 . . . . .              | 6.05  | 5.02  | 4.93         | 11.32 | 11.44        | 5.34                  |
| 1998 . . . . .              | 6.05  | 5.05  | 4.91         | 11.33 | 11.44        | 5.40                  |
| 1997 . . . . .              | 6.08  | 5.02  | 4.95         | 11.37 | 11.46        | 5.43                  |
| 1996 . . . . .              | 6.03  | 5.00  | 4.90         | 11.45 | 11.55        | 5.34                  |
| 1995 . . . . .              | 6.05  | 4.98  | 4.87         | 11.59 | 11.66        | 5.36                  |
| 1994 . . . . .              | 6.05  | 4.91  | 4.79         | 11.69 | 11.79        | 5.37                  |
| 1993 . . . . .              | 6.05  | 4.83  | 4.70         | 11.81 | 11.90        | 5.34                  |
| 1992 <sup>2</sup> . . . . . | 5.93  | 4.71  | 4.59         | 11.84 | 11.91        | 5.22                  |
| 1991 <sup>2</sup> . . . . . | 5.99  | 4.74  | 4.61         | 12.09 | 12.15        | 5.29                  |
| 1990 <sup>3</sup> . . . . . | 5.90  | 4.68  | 4.56         | 11.86 | 11.92        | 5.23                  |
| 1985 . . . . .              | 5.80  | 4.77  | ---          | 11.35 | ---          | ---                   |
| 1980 <sup>4</sup> . . . . . | 5.96  | 4.90  | ---          | 11.46 | ---          | ---                   |

--- Data not available.

<sup>1</sup>Includes persons of Hispanic origin of any race.

<sup>2</sup>Excludes data for New Hampshire, which did not require reporting of Hispanic origin of mother.

<sup>3</sup>Excludes data for New Hampshire and Oklahoma, which did not require reporting of Hispanic origin of mother.

<sup>4</sup>Based on 100 percent of births in selected States and a 50-percent sample of births in all other States; see Technical notes.

NOTE: Low birthweight is less than 2,500 grams or 5 lb 8 oz.

The percent **macrosomia** (birthweight of at least 4,000 grams) declined from 10.1 to 9.9 percent between 1998 and 1999 (see [tables 24, 25 and 43](#) for 1999 data). The percent of births born at higher birthweights peaked at about 11 during the 1980's, but has declined in the 1990's.

The **median birthweight** for all births for 1999 was 3,350 grams (7 pounds, 7 ounces), unchanged since 1995. The median weight for white births was 3,390 grams and for black births 3,180 grams.

Low and very low birthweight rates vary widely **by State** ([tables 46 and 47](#)). For 1999, LBW levels among non-Hispanic white births ranged from a low of 5.2 percent in Alaska and Hawaii to a high of 8.4 percent in Wyoming. Among States with at least 1,000 births to non-Hispanic black mothers, LBW rates for this group ranged from 10.2 percent in Washington State, to 16.1 percent in the District of Columbia.

### Apgar score

The Apgar score, devised almost 50 years ago by Virginia Apgar, M.D., is a means of evaluating the physical condition of the newborn at 1 minute, 5 minutes, and if desired, at additional 5-minute intervals after delivery (32, 71, 72). The score is composed of measurements of five easily identifiable infant characteristics—heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each characteristic is assessed and assigned a value of 0–2, with 2 being optimum. The total score is the sum of the scores of the five components (71). A score of 0 to 3 indicates an infant in need of resuscitation; a score in the range of 4 to 6 is considered intermediate; a score of 7 or greater indicates that the neonate is in good to excellent physical condition. The **5-minute Apgar score**, especially a change in the score between 1 and 5 minutes, is a useful clinical indicator of newborn status, especially in those neonates who require resuscitation (32).

In 1999 all States except California and Texas collected information on the 5-minute Apgar score. Of the births in the reporting States

(which accounted for 78 percent of all births in the U.S.), only 1.4 percent of babies had Apgar scores that were considered low (below 7) at 5 minutes after birth ([tables 24 and 25](#)), unchanged since 1993.

In general, the variation among racial and ethnic groups in the percent of babies with low 5-minute Apgar scores was consistent with the percent of babies that were born preterm and/or low birthweight.

### Abnormal conditions of the newborn

Since 1990, three of the eight specific abnormal conditions listed on the birth certificate have been most frequently reported: assisted ventilation less than 30 minutes, assisted ventilation of 30 minutes or longer, and hyaline membrane disease/respiratory distress syndrome (RDS) ([table 48](#)).

The rate for assisted ventilation less than 30 minutes was 21 per 1,000 in 1999. The rate slowly increased from the 1990 rate of 13 per 1,000 and has remained at about the current rate since 1996. The rate of assisted ventilation of 30 minutes or longer was 10 per 1,000 in 1999. The overall rate of hyaline membrane disease (RDS) was 6 per 1,000 in 1999; this condition occurs most frequently in infants of less than 28 weeks gestation (72).

Rates of the other conditions have fluctuated slightly each year of the decade. During the 1990's, black infants in each age group have generally had the highest rates of assisted ventilation of 30 minutes or longer, while white infants in each age group have had the highest rates of birth injury. Risk factors for birth injury include macrosomia, cephalopelvic disproportion, and breech/malpresentation (72).

It has been shown that abnormal conditions may be underreported or incorrectly reported on the birth certificate (62, 73). Some abnormalities are difficult to recognize at birth (e.g., fetal alcohol syndrome); an abnormal condition present at birth may be diagnosed after the birth certificate has been completed (74, 75).

### Congenital anomalies

Congenital anomalies are a major cause of neonatal deaths, physical defects, and metabolic diseases. For some anomalies, early ascertainment and immediate medical and surgical care is vital (72). Congenital anomalies are reported on the birth certificates of 49 States and the District of Columbia, accounting for 99 percent of 1999 births ([table 49](#)). Because many of the congenital anomalies tracked on birth certificates occur infrequently, the rates shown in this report are calculated per 100,000 live births.

Congenital anomalies are underreported on the birth certificate (62, 76, 77). A number of factors limit complete reporting of such conditions, including recognizability and severity (62, 78–80). Serious malformations are more likely to be reported. Caution should also be used in comparing yearly rates for a specific anomaly as a small change in the number of anomalies reported can result in a relatively large change in rates.

Cleft lip/palate was reported at a rate of 81 per 100,000 births in 1999 compared with 88 in 1990. The rate of clubfoot has changed little during the 1990's and was 56 per 100,000 in 1999. The rate of Down's syndrome has generally been stable since 1993 (45.5 per 100,000 in 1999) ([table 49](#)).

In 1992 the U.S. Public Health Service recommended that women of childbearing age increase consumption of the vitamin folic acid to

prevent spina bifida and anencephalus. Four years later, the Food and Drug Administration mandated that by January 1998 all cereal grain products be fortified with folic acid. In 1999 survey results showed increased folate status among women of childbearing age (81,82). The rate of spina bifida/meningocele has steadily declined from the 1995 rate of 28.1 per 100,000 to 20.1. Since 1994, the rate of anencephalus has ranged between 11 (1994 and 1999) and 13 per 100,000 (1996–97).

For many anomalies, rates vary widely with maternal age (table 49). For example, rates for Down's syndrome and heart malformations have consistently been higher for mothers aged 35 years and over, according to birth certificate data in the 1990's.

## Multiple births

The number of births in twin deliveries continued to climb in 1999, rising 3 percent to 114,307 births. The twin birth rate (the number of twin births per 1,000 live births) was also up for 1998–99, rising 3 percent, to 28.9 per 1,000 births. Since 1980 the number of twins has risen 67 percent (from 68,339), and the twin birth rate by 53 percent (from 18.9) (70). (See table 50 for 1999 data.)

Reversing a long-time trend, the number and rate of triplet and other higher order multiple births (triplet/+) dropped by 4 percent for 1999 to 7,321, or 184.9 triplet/+ births per 100,000 live births. Declines in all of the higher-order pluralities, that is, triplets, quadruplets, and quintuplet and other higher order multiples, were reported (table J). The number and rate of triplet/+ had been escalating rapidly since 1980, soaring from 1,337 births and a rate of only 37.0 (70). (See figure 9.)

The extraordinary rise in multiple births over the last two decades, especially in triplet/+ births, has been associated with two related trends; advances in, and greater access to assisted reproductive medicine (i.e., ovulation-inducing drugs and assisted reproductive techniques (ART) such as *in vitro* fertilization (IVF)), and with the older age of childbearing (women in their thirties are more likely to have a multiple birth even without the help of fertility therapies) (83–85). A recent study estimated that the majority of triplet/+ births in 1997 were the result of ART (43 percent) and ovulation-inducing drugs (38 percent)—only about 20 percent of triplet/+ births were spontaneously conceived (86).

There was a pronounced decline in triplet/+ births to non-Hispanic white women (262.8 to 251.8 per 100,000 births for 1998–99), but the sudden decline for 1999 was not observed among all age and racial/ethnic groups; women 35–39 years of age were more likely to have a triplet/+ birth in 1999 compared with 1998, as were non-Hispanic black (95.2 for 1999) and Hispanic women (76.3 for 1999). Although some reduction in the overall number and rate of triplet/+ births is expected as the population of women aged 30 years and over declines, the sudden downturn in age-specific triplet/+ birth rates may signal a more fundamental shift. In 1999 The American College of Obstetricians and Gynecologists and The American Society of Reproductive Medicine issued recommendations to help prevent triplet/+ births because they are at elevated risk of poor outcomes (87, 88). Recent refinements to fertility-enhancing therapies, particularly to IVF, which lower the risk of multifetal pregnancy, also may affect the future incidence of "multiple multiples" (87–90).

Twin birth rates rose between 1998 and 1999 for nearly all age groups, and for non-Hispanic white (31.5 per 1,000) and non-Hispanic black women (32.1). A small decline in the twinning rate for Hispanic women was reported (20.1).

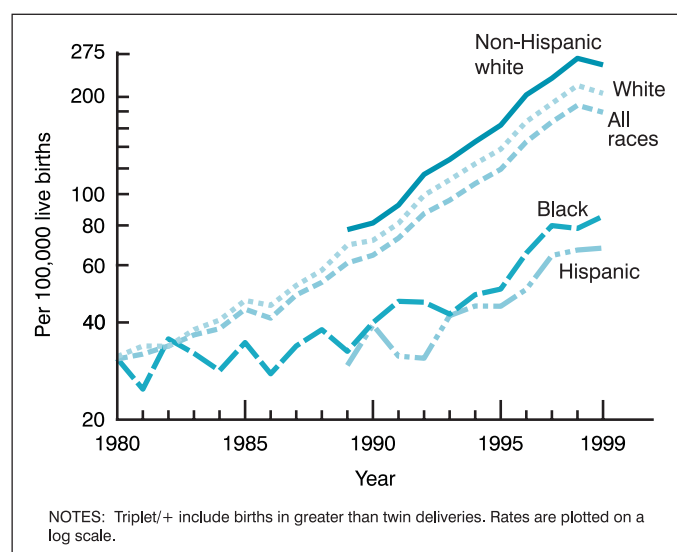
**Table J. Numbers of twin, triplet, quadruplet, and quintuplet and other higher order multiple births: United States, 1989–99**

| Year           | Twins   | Triplets | Quadruplets | Quintuplets and other higher order multiples <sup>1</sup> |
|----------------|---------|----------|-------------|---|
| 1999 . . . . . | 114,307 | 6,742    | 512         | 67  |
| 1998 . . . . . | 110,670 | 6,919    | 627         | 79  |
| 1997 . . . . . | 104,137 | 6,148    | 510         | 79  |
| 1996 . . . . . | 100,750 | 5,298    | 560         | 81  |
| 1995 . . . . . | 96,736  | 4,551    | 365         | 57  |
| 1994 . . . . . | 97,064  | 4,233    | 315         | 46  |
| 1993 . . . . . | 96,445  | 3,834    | 277         | 57  |
| 1992 . . . . . | 95,372  | 3,547    | 310         | 26  |
| 1991 . . . . . | 94,779  | 3,121    | 203         | 22  |
| 1990 . . . . . | 93,865  | 2,830    | 185         | 13  |
| 1989 . . . . . | 90,118  | 2,529    | 229         | 40  |

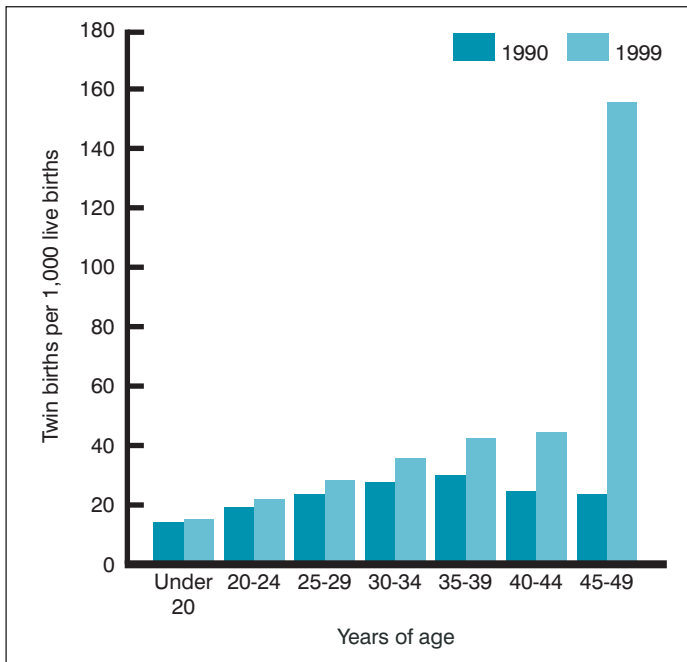
<sup>1</sup>Quintuplets, sextuplets, and higher order multiple births are not differentiated in the national data set.

Historically, twin birth rates have been highest for mothers 35–39 years of age. In 1999 however, twin birth rates rose steadily with maternal age and were highest for women aged 50–54 years (data not shown). Since 1990, the twin birth rate has risen 80 percent among women 40–44 years of age (from 24.7 to 44.5 per 1,000), and almost 600 percent among women aged 45–49 years (from 23.8 to 155.7), compared to only a 6 percent rise for women under age 20 years (14.3 to 15.2) (figure 10). Comparable trend data are not available for women aged 50–54 years, but in 1999 more than a third of births (34 percent) to women in the oldest age group were born in a twin delivery (data not shown).

Multiple births present substantial perinatal risk to both mother and infant, and risk increases with plurality. Mothers of multiples suffer more ante- and postpartum complications than singletons and their infants are born considerably smaller; on average, twins weigh about a third less, and triplets about half of singletons (91). Multiples are more likely to be admitted to neonatal intensive care and are less likely to survive the first year of life (66, 91).



**Figure 9. Triplet/+ birth rates by race and Hispanic origin of mother: United States, 1980–99**



**Figure 10. Twin birth rates by age of mother: United States, 1990 and 1999**

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# Guide to tables in Births: Final Data for 1999

| TABLE:  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              | 9              | 10 | 11              | 12              | 13              | 14              | 15              | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Geographic area:                                  |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| States <sup>1</sup> . . . . .                     |                |                |                |                |                |                |                |                |                | 10 | 11              | 12              |                 |                 |                 |                 |                 |                 | 19              |                 |                 |                 |                 |                 |                 |
| United States<br>or all reporting areas . . . . . | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              | 9              | 10 | 11              | 12              | 13              | 14              | 15              | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              |
| Years:  |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Current year only . . . . .                       |                | 2              | 3              |                |                |                | 7              | 8              |                | 10 | 11              | 12              | 13              | 14              | 15              | 16              | 17              |                 | 19              |                 | 21              | 22              | 23              | 24              | 25              |
| Trend . . . . .                                   | 1              |                |                | 4              | 5              | 6              |                |                | 9              |    |                 |                 |                 |                 |                 |                 |                 | 18              |                 | 20              |                 |                 |                 |                 |                 |
| Type of entry:                                    |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Number of births . . . . .                        | 1              | 2              |                |                |                | 6              | 7              |                |                | 10 | 11              | 12              | 13              | 14              | 15              | 16              | 17              |                 | 19              |                 | 21              | 22              |                 |                 |                 |
| Rates or other measures . . . . .                 | 1              |                | 3              | 4              | 5              | 6              |                | 8              | 9              | 10 |                 |                 | 13              | 14              | 15              | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              |
| Characteristics:                                  |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Age of father . . . . .                           |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 | 20              |                 |                 |                 |                 |                 |
| Age of mother . . . . .                           |                | 2              | 3              | 4              |                |                | 7              |                | 9              |    |                 |                 |                 |                 |                 |                 |                 | 17              | 18              |                 | 21              |                 |                 |                 |                 |
| Alcohol use . . . . .                             |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 24              | 25              |
| Apgar score . . . . .                             |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 24              | 25              |
| Birthweight . . . . .                             |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 23              | 24              | 25              |
| Day of week . . . . .                             |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 | 16              |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Education . . . . .                               |                |                |                |                |                |                |                |                |                |    |                 |                 | 13              | 14              |                 |                 |                 |                 |                 |                 | 21              |                 |                 |                 |                 |
| Gestational age . . . . .                         |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 22              | 23              | 24              | 25              |
| Hispanic origin of mother . . . . .               |                |                |                |                |                | <sup>4</sup> 6 | <sup>4</sup> 7 | <sup>4</sup> 8 | <sup>4</sup> 9 |    |                 | <sup>4</sup> 12 |                 | <sup>4</sup> 14 |                 |                 | <sup>6</sup> 17 | <sup>6</sup> 18 | <sup>6</sup> 19 |                 | <sup>6</sup> 21 | <sup>6</sup> 22 | <sup>4</sup> 23 |                 | <sup>4</sup> 25 |
| Live-birth order . . . . .                        |                | 2              | 3              |                | 5              |                | 7              | 8              |                |    |                 |                 | 13              | 14              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Method of delivery . . . . .                      |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 | 16              |                 |                 |                 |                 |                 |                 |                 | 24              | 25              |
| Month of birth . . . . .                          |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 | 15              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Nativity of mother . . . . .                      |                |                |                |                |                |                |                |                |                |    |                 |                 | 13              | 14              |                 |                 |                 |                 |                 |                 |                 |                 |                 | 24              | 25              |
| Prenatal care . . . . .                           |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 24              | 25              |
| Race of father . . . . .                          |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 | <sup>3</sup> 20 |                 |                 |                 |                 |                 |
| Race of mother . . . . .                          | <sup>2</sup> 1 | <sup>2</sup> 2 | <sup>2</sup> 3 | <sup>2</sup> 4 | <sup>3</sup> 5 | <sup>4</sup> 6 | <sup>4</sup> 7 | <sup>4</sup> 8 | <sup>4</sup> 9 |    | <sup>2</sup> 11 | <sup>4</sup> 12 | <sup>5</sup> 13 | <sup>4</sup> 14 | <sup>3</sup> 15 | <sup>3</sup> 16 | <sup>6</sup> 17 | <sup>6</sup> 18 | <sup>6</sup> 19 |                 | <sup>3</sup> 21 | <sup>6</sup> 22 | <sup>4</sup> 23 | <sup>5</sup> 24 | <sup>4</sup> 25 |
| Sex of child . . . . .                            |                |                |                |                |                |                |                |                |                |    |                 |                 | 13              | 14              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Teenage mothers . . . . .                         |                |                |                |                |                |                |                |                |                | 10 |                 |                 | 13              | 14              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Tobacco use . . . . .                             |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 24              | 25              |
| Unmarried mothers . . . . .                       |                |                |                |                |                |                |                |                |                |    |                 |                 | 13              | 14              |                 |                 |                 | 17              | 18              | 19              |                 |                 |                 |                 |                 |
| Weight gain during pregnancy . . . . .            |                |                |                |                |                |                |                |                |                |    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 22              | 23              | 24              | 25              |

| TABLE:   | 26              | 27              | 28              | 29              | 30              | 31              | 32              | 33              | 34              | 35              | 36              | 37              | 38              | 39              | 40              | 41              | 42 | 43              | 44              | 45              | 46              | 47              | 48              | 49              | 50              |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Geographic area:<br>States <sup>1</sup> . . . . .            |                 |                 |                 |                 |                 |                 |                 |                 | 34              |                 |                 |                 |                 |                 |                 | 41              |    |                 |                 |                 | 46              | 47              |                 |                 |                 |
| United States<br>or all reporting areas . . . . .            | 26              | 27              | 28              | 29              | 30              | 31              | 32              | 33              | 34              | 35              | 36              | 37              | 38              | 39              | 40              | 41              | 42 | 43              | 44              | 45              | 46              | 47              | 48              | 49              | 50              |
| Years:<br>Current year only . . . . .                        | 26              | 27              | 28              | 29              | 30              | 31              | 32              | 33              | 34              | 35              | 36              | 37              | 38              |                 | 40              | 41              | 42 | 43              |                 | 45              | 46              | 47              | 48              | 49              | 50              |
| Trend . . . . .  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 39              |                 |                 |    |                 | 44              |                 |                 |                 |                 |                 |                 |
| Type of entry:<br>Number of births . . . . .                 | 26              | 27              | 28              | 29              | 30              | 31              |                 | 33              |                 | 35              | 36              | 37              | 38              | 39              | 40              |                 | 42 | 43              |                 | 45              | 46              | 47              | 48              | 49              | 50              |
| Rates or other measures . . . . .                            | 26              | 27              | 28              | 29              | 30              | 31              | 32              | 33              | 34              | 35              | 36              | 37              |                 | 39              | 40              | 41              | 42 | 43              | 44              | 45              | 46              | 47              | 48              | 49              | 50              |
| Characteristics:<br>Abnormal conditions of newborn . . . . . |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 | 48              |                 |                 |
| Age of mother . . . . .                                      | 26              |                 |                 | 29              | 30              |                 | 32              | 33              |                 |                 | 36              | 37              |                 |                 | 40              |                 |    |                 |                 | 45              |                 |                 | 48              | 49              | 50              |
| Attendant at birth . . . . .                                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 38              |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 |                 |
| Birthweight . . . . .  |                 |                 |                 |                 |                 |                 | 32              |                 |                 |                 |                 |                 |                 |                 |                 |                 |    | 43              | 44              | 45              | 46              | 47              |                 |                 |                 |
| Complications of labor . . . . .                             |                 | 27              | 28              |                 |                 |                 |                 |                 |                 |                 |                 | 37              |                 |                 |                 |                 | 42 |                 |                 |                 |                 |                 |                 |                 |                 |
| Congenital anomalies . . . . .                               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 |                 | 49              |                 |
| Education . . . . .  |                 |                 |                 |                 |                 | 31              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 |                 |
| Gestational age . . . . .                                    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    | 43              | 44              |                 |                 |                 |                 |                 |                 |
| Hispanic origin of mother . . . . .                          |                 |                 | <sup>4</sup> 28 |                 | <sup>4</sup> 30 | <sup>6</sup> 31 | <sup>6</sup> 32 | <sup>6</sup> 33 | <sup>6</sup> 34 | <sup>6</sup> 35 |                 |                 | <sup>6</sup> 38 | <sup>6</sup> 39 | <sup>6</sup> 40 | <sup>6</sup> 41 |    | <sup>6</sup> 43 | <sup>6</sup> 44 | <sup>6</sup> 45 | <sup>6</sup> 46 | <sup>6</sup> 47 |                 |                 | <sup>6</sup> 50 |
| Medical risk factors . . . . .                               | 26              | 27              | 28              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 42 |                 |                 |                 |                 |                 |                 |                 |                 |
| Method of delivery . . . . .                                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 39              | 40              | 41              | 42 |                 |                 |                 |                 |                 |                 |                 |                 |
| Obstetric procedures . . . . .                               |                 | 27              | 28              |                 |                 |                 |                 |                 |                 |                 | 36              |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 |                 |
| Place of delivery . . . . .                                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 38              |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 |                 |
| Multiple births . . . . .                                    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 | 50              |
| Prenatal care . . . . .                                      |                 |                 |                 |                 |                 |                 |                 | 33              | 34              | 35              |                 |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 |                 |
| Race of mother . . . . .                                     | <sup>3</sup> 26 | <sup>5</sup> 27 | <sup>4</sup> 28 | <sup>3</sup> 29 | <sup>4</sup> 30 | <sup>3</sup> 31 | <sup>6</sup> 32 | <sup>6</sup> 33 | <sup>6</sup> 34 | <sup>6</sup> 35 | <sup>3</sup> 36 | <sup>3</sup> 37 | <sup>6</sup> 38 | <sup>6</sup> 39 | <sup>6</sup> 40 | <sup>6</sup> 41 |    | <sup>6</sup> 43 | <sup>3</sup> 44 | <sup>6</sup> 45 | <sup>6</sup> 46 | <sup>6</sup> 47 | <sup>3</sup> 48 | <sup>3</sup> 49 | <sup>6</sup> 50 |
| Tobacco use . . . . .  |                 |                 |                 | 29              | 30              | 31              | 32              |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |                 |                 |                 |                 |                 |                 |                 |                 |

<sup>1</sup>Includes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas; data for American Samoa not available for tables 34 and 41.  
<sup>2</sup>Includes white, black, American Indian, Asian or Pacific Islander.  
<sup>3</sup>Includes white and black.  
<sup>4</sup>Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black.  
<sup>5</sup>Includes white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and other Asian and Pacific Islanders.  
<sup>6</sup>Includes Hispanic, non-Hispanic white, and non-Hispanic black.

**Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940-55 and each year, 1960-99**

[Birth rates are live births per 1,000 population in specified group. Fertility rates are live births per 1,000 women aged 15-44 years in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970, excludes births to nonresidents of the United States]

| Year   | Number                 |           |         |                              |                           | Birth rate             |       |       |                              |                           | Fertility rate         |       |       |                              |                           |
|--|------------------------|-----------|---------|------------------------------|---------------------------|------------------------|-------|-------|------------------------------|---------------------------|------------------------|-------|-------|------------------------------|---------------------------|
|  | All races <sup>1</sup> | White     | Black   | American Indian <sup>2</sup> | Asian or Pacific Islander | All races <sup>1</sup> | White | Black | American Indian <sup>2</sup> | Asian or Pacific Islander | All races <sup>1</sup> | White | Black | American Indian <sup>2</sup> | Asian or Pacific Islander |
| <b>Registered births</b>                     |                        |           |         |                              |                           |                        |       |       |                              |                           |                        |       |       |                              |                           |
| <b>Race of mother:</b>                       |                        |           |         |                              |                           |                        |       |       |                              |                           |                        |       |       |                              |                           |
| 1999   | 3,959,417              | 3,132,501 | 605,970 | 40,170                       | 180,776                   | 14.5                   | 13.9  | 17.4  | 16.8                         | 16.7                      | 65.9                   | 65.1  | 70.1  | 69.7                         | 65.6                      |
| 1998   | 3,941,553              | 3,118,727 | 609,902 | 40,272                       | 172,652                   | 14.6                   | 14.0  | 17.7  | 17.1                         | 16.4                      | 65.6                   | 64.6  | 71.0  | 70.7                         | 64.0                      |
| 1997   | 3,880,894              | 3,072,640 | 599,913 | 38,572                       | 169,769                   | 14.5                   | 13.9  | 17.7  | 16.6                         | 16.9                      | 65.0                   | 63.9  | 70.7  | 69.1                         | 66.3                      |
| 1996   | 3,891,494              | 3,093,057 | 594,781 | 37,880                       | 165,776                   | 14.7                   | 14.1  | 17.8  | 16.6                         | 17.0                      | 65.3                   | 64.3  | 70.7  | 68.7                         | 65.9                      |
| 1995   | 3,899,589              | 3,098,885 | 603,139 | 37,278                       | 160,287                   | 14.8                   | 14.2  | 18.2  | 16.6                         | 17.3                      | 65.6                   | 64.4  | 72.3  | 69.1                         | 66.4                      |
| 1994   | 3,952,767              | 3,121,004 | 636,391 | 37,740                       | 157,632                   | 15.2                   | 14.4  | 19.5  | 17.1                         | 17.5                      | 66.7                   | 64.9  | 76.9  | 70.9                         | 66.8                      |
| 1993   | 4,000,240              | 3,149,833 | 658,875 | 38,732                       | 152,800                   | 15.5                   | 14.7  | 20.5  | 17.8                         | 17.7                      | 67.6                   | 65.4  | 80.5  | 73.4                         | 66.7                      |
| 1992   | 4,065,014              | 3,201,678 | 673,633 | 39,453                       | 150,250                   | 15.9                   | 15.0  | 21.3  | 18.4                         | 18.0                      | 68.9                   | 66.5  | 83.2  | 75.4                         | 67.2                      |
| 1991   | 4,110,907              | 3,241,273 | 682,602 | 38,841                       | 145,372                   | 16.3                   | 15.4  | 21.9  | 18.3                         | 18.2                      | 69.6                   | 67.0  | 85.2  | 75.1                         | 67.6                      |
| 1990   | 4,158,212              | 3,290,273 | 684,336 | 39,051                       | 141,635                   | 16.7                   | 15.8  | 22.4  | 18.9                         | 19.0                      | 70.9                   | 68.3  | 86.8  | 76.2                         | 69.6                      |
| 1989   | 4,040,958              | 3,192,355 | 673,124 | 39,478                       | 133,075                   | 16.4                   | 15.4  | 22.3  | 19.7                         | 18.7                      | 69.2                   | 66.4  | 86.2  | 79.0                         | 68.2                      |
| 1988   | 3,909,510              | 3,102,083 | 638,562 | 37,088                       | 129,035                   | 16.0                   | 15.0  | 21.5  | 19.3                         | 19.2                      | 67.3                   | 64.5  | 82.6  | 76.8                         | 70.2                      |
| 1987   | 3,809,394              | 3,043,828 | 611,173 | 35,322                       | 116,560                   | 15.7                   | 14.9  | 20.8  | 19.1                         | 18.4                      | 65.8                   | 63.3  | 80.1  | 75.6                         | 67.1                      |
| 1986   | 3,756,547              | 3,019,175 | 592,910 | 34,169                       | 107,797                   | 15.6                   | 14.8  | 20.5  | 19.2                         | 18.0                      | 65.4                   | 63.1  | 78.9  | 75.9                         | 66.0                      |
| 1985   | 3,760,561              | 3,037,913 | 581,824 | 34,037                       | 104,606                   | 15.8                   | 15.0  | 20.4  | 19.8                         | 18.7                      | 66.3                   | 64.1  | 78.8  | 78.6                         | 68.4                      |
| 1984 <sup>3</sup>                            | 3,669,141              | 2,967,100 | 568,138 | 33,256                       | 98,926                    | 15.6                   | 14.8  | 20.1  | 20.1                         | 18.8                      | 65.5                   | 63.2  | 78.2  | 79.8                         | 69.2                      |
| 1983 <sup>3</sup>                            | 3,638,933              | 2,946,468 | 562,624 | 32,881                       | 95,713                    | 15.6                   | 14.8  | 20.2  | 20.6                         | 19.5                      | 65.7                   | 63.4  | 78.7  | 81.8                         | 71.7                      |
| 1982 <sup>3</sup>                            | 3,680,537              | 2,984,817 | 568,506 | 32,436                       | 93,193                    | 15.9                   | 15.1  | 20.7  | 21.1                         | 20.3                      | 67.3                   | 64.8  | 80.9  | 83.6                         | 74.8                      |
| 1981 <sup>3</sup>                            | 3,629,238              | 2,947,679 | 564,955 | 29,688                       | 84,553                    | 15.8                   | 15.0  | 20.8  | 20.0                         | 20.1                      | 67.3                   | 64.8  | 82.0  | 79.6                         | 73.7                      |
| 1980 <sup>3</sup>                            | 3,612,258              | 2,936,351 | 568,080 | 29,389                       | 74,355                    | 15.9                   | 15.1  | 21.3  | 20.7                         | 19.9                      | 68.4                   | 65.6  | 84.7  | 82.7                         | 73.2                      |
| <b>Race of child:</b>                        |                        |           |         |                              |                           |                        |       |       |                              |                           |                        |       |       |                              |                           |
| 1980 <sup>3</sup>                            | 3,612,258              | 2,898,732 | 589,616 | 36,797                       | ---                       | 15.9                   | 14.9  | 22.1  | ---                          | ---                       | 68.4                   | 64.7  | 88.1  | ---                          | ---                       |
| 1979 <sup>3</sup>                            | 3,494,398              | 2,808,420 | 577,855 | 34,269                       | ---                       | 15.6                   | 14.5  | 22.0  | ---                          | ---                       | 67.2                   | 63.4  | 88.3  | ---                          | ---                       |
| 1978 <sup>3</sup>                            | 3,333,279              | 2,681,116 | 551,540 | 33,160                       | ---                       | 15.0                   | 14.0  | 21.3  | ---                          | ---                       | 65.5                   | 61.7  | 86.7  | ---                          | ---                       |
| 1977 <sup>3</sup>                            | 3,326,632              | 2,691,070 | 544,221 | 30,500                       | ---                       | 15.1                   | 14.1  | 21.4  | ---                          | ---                       | 66.8                   | 63.2  | 88.1  | ---                          | ---                       |
| 1976 <sup>3</sup>                            | 3,167,788              | 2,567,614 | 514,479 | 29,009                       | ---                       | 14.6                   | 13.6  | 20.5  | ---                          | ---                       | 65.0                   | 61.5  | 85.8  | ---                          | ---                       |
| 1975 <sup>3</sup>                            | 3,144,198              | 2,551,996 | 511,581 | 27,546                       | ---                       | 14.6                   | 13.6  | 20.7  | ---                          | ---                       | 66.0                   | 62.5  | 87.9  | ---                          | ---                       |
| 1974 <sup>3</sup>                            | 3,159,958              | 2,575,792 | 507,162 | 26,631                       | ---                       | 14.8                   | 13.9  | 20.8  | ---                          | ---                       | 67.8                   | 64.2  | 89.7  | ---                          | ---                       |
| 1973 <sup>3</sup>                            | 3,136,965              | 2,551,030 | 512,597 | 26,464                       | ---                       | 14.8                   | 13.8  | 21.4  | ---                          | ---                       | 68.8                   | 64.9  | 93.6  | ---                          | ---                       |
| 1972 <sup>3</sup>                            | 3,258,411              | 2,655,558 | 531,329 | 27,368                       | ---                       | 15.6                   | 14.5  | 22.5  | ---                          | ---                       | 73.1                   | 68.9  | 99.9  | ---                          | ---                       |
| 1971 <sup>4</sup>                            | 3,555,970              | 2,919,746 | 564,960 | 27,148                       | ---                       | 17.2                   | 16.1  | 24.4  | ---                          | ---                       | 81.6                   | 77.3  | 109.7 | ---                          | ---                       |
| 1970 <sup>4</sup>                            | 3,731,386              | 3,091,264 | 572,362 | 25,864                       | ---                       | 18.4                   | 17.4  | 25.3  | ---                          | ---                       | 87.9                   | 84.1  | 115.4 | ---                          | ---                       |
| 1969 <sup>4</sup>                            | 3,600,206              | 2,993,614 | 543,132 | 24,008                       | ---                       | 17.9                   | 16.9  | 24.4  | ---                          | ---                       | 86.1                   | 82.2  | 112.1 | ---                          | ---                       |
| 1968 <sup>4</sup>                            | 3,501,564              | 2,912,224 | 531,152 | 24,156                       | ---                       | 17.6                   | 16.6  | 24.2  | ---                          | ---                       | 85.2                   | 81.3  | 112.7 | ---                          | ---                       |
| 1967 <sup>5</sup>                            | 3,520,959              | 2,922,502 | 543,976 | 22,665                       | ---                       | 17.8                   | 16.8  | 25.1  | ---                          | ---                       | 87.2                   | 82.8  | 118.5 | ---                          | ---                       |
| 1966 <sup>4</sup>                            | 3,606,274              | 2,993,230 | 558,244 | 23,014                       | ---                       | 18.4                   | 17.4  | 26.2  | ---                          | ---                       | 90.8                   | 86.2  | 124.7 | ---                          | ---                       |
| 1965 <sup>4</sup>                            | 3,760,358              | 3,123,860 | 581,126 | 24,066                       | ---                       | 19.4                   | 18.3  | 27.7  | ---                          | ---                       | 96.3                   | 91.3  | 133.2 | ---                          | ---                       |
| 1964 <sup>4</sup>                            | 4,027,490              | 3,369,160 | 607,556 | 24,382                       | ---                       | 21.1                   | 20.0  | 29.5  | ---                          | ---                       | 104.7                  | 99.8  | 142.6 | ---                          | ---                       |
| 1963 <sup>4,6</sup>                          | 4,098,020              | 3,326,344 | 580,658 | 22,358                       | ---                       | 21.7                   | 20.7  | ---   | ---                          | ---                       | 108.3                  | 103.6 | ---   | ---                          | ---                       |
| 1962 <sup>4,6</sup>                          | 4,167,362              | 3,394,068 | 584,610 | 21,968                       | ---                       | 22.4                   | 21.4  | ---   | ---                          | ---                       | 112.0                  | 107.5 | ---   | ---                          | ---                       |
| 1961 <sup>4</sup>                            | 4,268,326              | 3,600,864 | 611,072 | 21,464                       | ---                       | 23.3                   | 22.2  | ---   | ---                          | ---                       | 117.1                  | 112.3 | ---   | ---                          | ---                       |
| 1960 <sup>4</sup>                            | 4,257,850              | 3,600,744 | 602,264 | 21,114                       | ---                       | 23.7                   | 22.7  | 31.9  | ---                          | ---                       | 118.0                  | 113.2 | 153.5 | ---                          | ---                       |
| <b>Births adjusted for underregistration</b> |                        |           |         |                              |                           |                        |       |       |                              |                           |                        |       |       |                              |                           |
| <b>Race of child:</b>                        |                        |           |         |                              |                           |                        |       |       |                              |                           |                        |       |       |                              |                           |
| 1955   | 4,097,000              | 3,485,000 | ---     | ---                          | ---                       | 25.0                   | 23.8  | ---   | ---                          | ---                       | 118.3                  | 113.7 | ---   | ---                          | ---                       |
| 1950   | 3,632,000              | 3,108,000 | ---     | ---                          | ---                       | 24.1                   | 23.0  | ---   | ---                          | ---                       | 106.2                  | 102.3 | ---   | ---                          | ---                       |
| 1945   | 2,858,000              | 2,471,000 | ---     | ---                          | ---                       | 20.4                   | 19.7  | ---   | ---                          | ---                       | 85.9                   | 83.4  | ---   | ---                          | ---                       |
| 1940   | 2,559,000              | 2,199,000 | ---     | ---                          | ---                       | 19.4                   | 18.6  | ---   | ---                          | ---                       | 79.9                   | 77.1  | ---   | ---                          | ---                       |

--- Data not available.

<sup>1</sup> For 1960-91 includes births to races not shown separately.

<sup>2</sup> Includes births to Aleuts and Eskimos.

<sup>3</sup> Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

<sup>4</sup> Based on a 50-percent sample of births.

<sup>5</sup> Based on a 20- to 50-percent sample of births.

<sup>6</sup> Figures by race exclude New Jersey.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 1999**

[Live-birth order refers to number of children born alive to mother]

| Live-birth order and race of mother | All ages  | Age of mother  |             |          |          |          |          |          |             |             |             |             |             |             |             |
|-------------------------------------|-----------|----------------|-------------|----------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                     |           | Under 15 years | 15-19 years |          |          |          |          |          | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years |
|                                     |           |                | Total       | 15 years | 16 years | 17 years | 18 years | 19 years |             |             |             |             |             |             |             |
| All races .....                     | 3,959,417 | 9,054          | 476,050     | 22,896   | 51,516   | 89,176   | 133,988  | 178,474  | 981,929     | 1,078,252   | 892,400     | 434,294     | 83,090      | 4,174       | 174         |
| 1st child .....                     | 1,588,639 | 8,821          | 371,024     | 21,811   | 47,039   | 75,906   | 103,752  | 122,516  | 448,406     | 392,579     | 253,400     | 95,757      | 17,606      | 992         | 54          |
| 2d child .....                      | 1,285,592 | 162            | 85,488      | 910      | 3,911    | 11,489   | 25,110   | 44,068   | 338,946     | 373,657     | 321,925     | 141,249     | 23,168      | 958         | 39          |
| 3d child .....                      | 653,070   | 7              | 14,676      | 33       | 246      | 1,154    | 3,851    | 9,392    | 137,418     | 195,062     | 186,450     | 101,454     | 17,241      | 729         | 33          |
| 4th child .....                     | 250,404   | 1              | 1,872       | 4        | 15       | 89       | 426      | 1,338    | 39,701      | 73,300      | 75,501      | 49,454      | 10,096      | 458         | 21          |
| 5th child .....                     | 91,287    | -              | 238         | -        | 1        | 6        | 51       | 180      | 10,019      | 25,193      | 28,360      | 21,501      | 5,688       | 284         | 4           |
| 6th child .....                     | 37,458    | -              | 29          | 2        | 2        | 3        | 5        | 17       | 2,381       | 8,956       | 12,354      | 10,332      | 3,200       | 202         | 4           |
| 7th child .....                     | 16,919    | -              | 6           | -        | -        | -        | 2        | 4        | 545         | 3,181       | 5,643       | 5,402       | 2,006       | 127         | 9           |
| 8th child and over .....            | 17,898    | -              | 3           | -        | -        | -        | 1        | 2        | 191         | 1,869       | 4,861       | 6,959       | 3,614       | 395         | 6           |
| Not stated .....                    | 18,150    | 63             | 2,714       | 136      | 302      | 529      | 790      | 957      | 4,322       | 4,455       | 3,906       | 2,186       | 471         | 29          | 4           |
| White .....                         | 3,132,501 | 4,739          | 337,888     | 14,193   | 34,649   | 62,782   | 96,254   | 130,010  | 748,371     | 873,654     | 739,948     | 356,959     | 67,419      | 3,385       | 138         |
| 1st child .....                     | 1,262,603 | 4,618          | 269,011     | 13,586   | 32,055   | 54,498   | 76,643   | 92,229   | 356,004     | 326,468     | 211,364     | 79,619      | 14,619      | 858         | 42          |
| 2d child .....                      | 1,034,524 | 75             | 57,177      | 473      | 2,207    | 7,209    | 16,620   | 30,668   | 261,340     | 309,269     | 270,644     | 116,214     | 18,986      | 784         | 35          |
| 3d child .....                      | 517,012   | 2              | 8,498       | 21       | 130      | 618      | 2,128    | 5,601    | 96,969      | 155,912     | 156,546     | 84,605      | 13,863      | 587         | 30          |
| 4th child .....                     | 190,472   | -              | 903         | 3        | 5        | 44       | 197      | 654      | 24,322      | 54,400      | 61,398      | 40,837      | 8,226       | 369         | 17          |
| 5th child .....                     | 65,205    | -              | 120         | -        | 1        | 3        | 24       | 92       | 5,057       | 16,577      | 21,610      | 17,132      | 4,490       | 215         | 4           |
| 6th child .....                     | 25,466    | -              | 11          | 2        | 1        | 1        | 1        | 6        | 984         | 5,121       | 8,725       | 7,942       | 2,523       | 157         | 3           |
| 7th child .....                     | 11,085    | -              | 3           | -        | -        | -        | 1        | 2        | 208         | 1,590       | 3,699       | 3,961       | 1,526       | 94          | 4           |
| 8th child and over .....            | 11,573    | -              | 1           | -        | -        | -        | -        | 1        | 92          | 774         | 2,724       | 4,873       | 2,807       | 301         | 1           |
| Not stated .....                    | 14,561    | 44             | 2,164       | 108      | 250      | 409      | 640      | 757      | 3,395       | 3,543       | 3,238       | 1,776       | 379         | 20          | 2           |
| Black .....                         | 605,970   | 3,977          | 121,166     | 7,865    | 14,942   | 23,112   | 32,948   | 42,299   | 193,211     | 138,868     | 91,486      | 47,277      | 9,564       | 409         | 12          |
| 1st child .....                     | 228,027   | 3,866          | 88,631      | 7,438    | 13,221   | 18,631   | 23,408   | 25,933   | 71,330      | 34,529      | 19,696      | 8,354       | 1,555       | 60          | 6           |
| 2d child .....                      | 179,502   | 87             | 25,375      | 392      | 1,562    | 3,852    | 7,606    | 11,963   | 65,484      | 44,233      | 28,479      | 13,500      | 2,255       | 87          | 2           |
| 3d child .....                      | 106,259   | 4              | 5,661       | 9        | 105      | 483      | 1,572    | 3,492    | 35,748      | 31,050      | 20,736      | 10,902      | 2,082       | 75          | 1           |
| 4th child .....                     | 48,822    | 1              | 890         | 1        | 10       | 37       | 202      | 640      | 13,805      | 15,640      | 10,778      | 6,348       | 1,308       | 52          | -           |
| 5th child .....                     | 21,487    | -              | 110         | -        | -        | 2        | 25       | 83       | 4,481       | 7,264       | 5,274       | 3,437       | 872         | 49          | -           |
| 6th child .....                     | 9,817     | -              | 17          | -        | 1        | 2        | 4        | 10       | 1,250       | 3,282       | 2,919       | 1,822       | 502         | 25          | -           |
| 7th child .....                     | 4,695     | -              | 3           | -        | -        | -        | 1        | 2        | 302         | 1,350       | 1,544       | 1,112       | 365         | 18          | 1           |
| 8th child and over .....            | 4,799     | -              | 2           | -        | -        | -        | 1        | 1        | 85          | 912         | 1,635       | 1,561       | 564         | 40          | -           |
| Not stated .....                    | 2,562     | 19             | 477         | 25       | 43       | 105      | 129      | 175      | 726         | 608         | 425         | 241         | 61          | 3           | 2           |
| American Indian <sup>1</sup> .....  | 40,170    | 198            | 7,915       | 440      | 979      | 1,565    | 2,200    | 2,731    | 13,225      | 9,641       | 5,701       | 2,844       | 621         | 25          | -           |
| 1st child .....                     | 14,369    | 198            | 6,047       | 419      | 907      | 1,302    | 1,650    | 1,769    | 4,874       | 1,959       | 876         | 348         | 63          | 4           | -           |
| 2d child .....                      | 10,931    | -              | 1,540       | 20       | 58       | 225      | 472      | 765      | 4,697       | 2,743       | 1,310       | 537         | 96          | 8           | -           |
| 3d child .....                      | 7,063     | -              | 258         | -        | 7        | 28       | 61       | 162      | 2,435       | 2,421       | 1,263       | 571         | 113         | 2           | -           |
| 4th child .....                     | 3,778     | -              | 26          | -        | -        | 1        | 7        | 18       | 860         | 1,372       | 937         | 491         | 89          | 3           | -           |
| 5th child .....                     | 1,895     | -              | 2           | -        | -        | 1        | -        | 1        | 238         | 652         | 597         | 319         | 85          | 2           | -           |
| 6th child .....                     | 933       | -              | -           | -        | -        | -        | -        | -        | 49          | 260         | 337         | 227         | 58          | 2           | -           |
| 7th child .....                     | 511       | -              | -           | -        | -        | -        | -        | -        | 9           | 119         | 192         | 145         | 44          | 2           | -           |
| 8th child and over .....            | 502       | -              | -           | -        | -        | -        | -        | -        | 4           | 74          | 167         | 185         | 70          | 2           | -           |
| Not stated .....                    | 188       | -              | 42          | 1        | 7        | 8        | 10       | 16       | 59          | 41          | 22          | 21          | 3           | -           | -           |
| Asian or Pacific Islander .....     | 180,776   | 140            | 9,081       | 398      | 946      | 1,717    | 2,586    | 3,434    | 27,122      | 56,089      | 55,265      | 27,214      | 5,486       | 355         | 24          |
| 1st child .....                     | 83,640    | 139            | 7,335       | 368      | 856      | 1,475    | 2,051    | 2,585    | 16,198      | 29,623      | 21,464      | 7,436       | 1,369       | 70          | 6           |
| 2d child .....                      | 60,635    | -              | 1,396       | 25       | 84       | 203      | 412      | 672      | 7,425       | 17,412      | 21,492      | 10,998      | 1,831       | 79          | 2           |
| 3d child .....                      | 22,736    | 1              | 259         | 3        | 4        | 25       | 90       | 137      | 2,266       | 5,679       | 7,905       | 5,376       | 1,183       | 65          | 2           |
| 4th child .....                     | 7,332     | -              | 53          | -        | -        | 7        | 20       | 26       | 714         | 1,888       | 2,388       | 1,778       | 473         | 34          | 4           |
| 5th child .....                     | 2,700     | -              | 6           | -        | -        | -        | 2        | 4        | 243         | 700         | 879         | 613         | 241         | 18          | -           |
| 6th child .....                     | 1,242     | -              | 1           | -        | -        | -        | -        | 1        | 98          | 293         | 373         | 341         | 117         | 18          | 1           |
| 7th child .....                     | 628       | -              | -           | -        | -        | -        | -        | -        | 26          | 122         | 208         | 184         | 71          | 13          | 4           |
| 8th child and over .....            | 1,024     | -              | -           | -        | -        | -        | -        | -        | 10          | 109         | 335         | 340         | 173         | 52          | 5           |
| Not stated .....                    | 839       | -              | 31          | 2        | 2        | 7        | 11       | 9        | 142         | 263         | 221         | 148         | 28          | 6           | -           |

- Quantity zero.

<sup>1</sup> Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 1999**

[Rates are live births per 1,000 women in specified age and racial group. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

| Live-birth order and race of mother | 15-44 years <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|-------------------------------------|--------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                     |                          | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>2</sup> |
|                                     |                          |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| All races .....                     | 65.9                     | 0.9           | 49.6        | 28.7        | 80.3        | 111.0       | 117.8       | 89.6        | 38.3        | 7.4         | 0.4                      |
| 1st child .....                     | 26.6                     | 0.9           | 38.9        | 25.5        | 58.4        | 50.9        | 43.1        | 25.6        | 8.5         | 1.6         | 0.1                      |
| 2d child .....                      | 21.5                     | 0.0           | 9.0         | 2.9         | 17.9        | 38.5        | 41.0        | 32.5        | 12.5        | 2.1         | 0.1                      |
| 3d child .....                      | 10.9                     | *             | 1.5         | 0.3         | 3.4         | 15.6        | 21.4        | 18.8        | 9.0         | 1.5         | 0.1                      |
| 4th child .....                     | 4.2                      | *             | 0.2         | 0.0         | 0.5         | 4.5         | 8.0         | 7.6         | 4.4         | 0.9         | 0.0                      |
| 5th child .....                     | 1.5                      | *             | 0.0         | *           | 0.1         | 1.1         | 2.8         | 2.9         | 1.9         | 0.5         | 0.0                      |
| 6th and 7th child .....             | 0.9                      | *             | 0.0         | *           | 0.0         | 0.3         | 1.3         | 1.8         | 1.4         | 0.5         | 0.0                      |
| 8th child and over .....            | 0.3                      | *             | *           | *           | *           | 0.0         | 0.2         | 0.5         | 0.6         | 0.3         | 0.0                      |
| White .....                         | 65.1                     | 0.6           | 44.6        | 24.8        | 73.5        | 107.0       | 121.1       | 93.2        | 38.8        | 7.3         | 0.4                      |
| 1st child .....                     | 26.4                     | 0.6           | 35.7        | 22.4        | 55.2        | 51.1        | 45.4        | 26.7        | 8.7         | 1.6         | 0.1                      |
| 2d child .....                      | 21.6                     | 0.0           | 7.6         | 2.2         | 15.5        | 37.5        | 43.0        | 34.2        | 12.7        | 2.1         | 0.1                      |
| 3d child .....                      | 10.8                     | *             | 1.1         | 0.2         | 2.5         | 13.9        | 21.7        | 19.8        | 9.2         | 1.5         | 0.1                      |
| 4th child .....                     | 4.0                      | *             | 0.1         | 0.0         | 0.3         | 3.5         | 7.6         | 7.8         | 4.5         | 0.9         | 0.0                      |
| 5th child .....                     | 1.4                      | *             | 0.0         | *           | 0.0         | 0.7         | 2.3         | 2.7         | 1.9         | 0.5         | 0.0                      |
| 6th and 7th child .....             | 0.8                      | *             | *           | *           | *           | 0.2         | 0.9         | 1.6         | 1.3         | 0.4         | 0.0                      |
| 8th child and over .....            | 0.2                      | *             | *           | *           | *           | 0.0         | 0.1         | 0.3         | 0.5         | 0.3         | 0.0                      |
| Black .....                         | 70.1                     | 2.6           | 81.0        | 52.0        | 122.8       | 141.7       | 101.9       | 64.5        | 30.8        | 6.5         | 0.3                      |
| 1st child .....                     | 26.5                     | 2.6           | 59.5        | 44.7        | 80.8        | 52.5        | 25.5        | 13.9        | 5.5         | 1.1         | 0.1                      |
| 2d child .....                      | 20.9                     | 0.1           | 17.0        | 6.6         | 32.1        | 48.2        | 32.6        | 20.2        | 8.8         | 1.6         | 0.1                      |
| 3d child .....                      | 12.4                     | *             | 3.8         | 0.7         | 8.3         | 26.3        | 22.9        | 14.7        | 7.1         | 1.4         | 0.1                      |
| 4th child .....                     | 5.7                      | *             | 0.6         | 0.1         | 1.4         | 10.2        | 11.5        | 7.6         | 4.2         | 0.9         | 0.0                      |
| 5th child .....                     | 2.5                      | *             | 0.1         | *           | 0.2         | 3.3         | 5.4         | 3.7         | 2.2         | 0.6         | 0.0                      |
| 6th and 7th child .....             | 1.7                      | *             | 0.0         | *           | *           | 1.1         | 3.4         | 3.2         | 1.9         | 0.6         | 0.0                      |
| 8th child and over .....            | 0.6                      | *             | *           | *           | *           | 0.1         | 0.7         | 1.2         | 1.0         | 0.4         | 0.0                      |
| American Indian <sup>3</sup> .....  | 69.7                     | 1.6           | 67.8        | 41.4        | 110.6       | 137.1       | 102.4       | 64.3        | 30.7        | 7.1         | 0.3                      |
| 1st child .....                     | 25.0                     | 1.6           | 52.1        | 36.6        | 77.1        | 50.8        | 20.9        | 9.9         | 3.8         | 0.7         | *                        |
| 2d child .....                      | 19.0                     | *             | 13.3        | 4.2         | 27.9        | 48.9        | 29.3        | 14.8        | 5.8         | 1.1         | *                        |
| 3d child .....                      | 12.3                     | *             | 2.2         | 0.5         | 5.0         | 25.4        | 25.8        | 14.3        | 6.2         | 1.3         | *                        |
| 4th child .....                     | 6.6                      | *             | 0.2         | *           | 0.6         | 9.0         | 14.6        | 10.6        | 5.3         | 1.0         | *                        |
| 5th child .....                     | 3.3                      | *             | *           | *           | *           | 2.5         | 7.0         | 6.8         | 3.5         | 1.0         | *                        |
| 6th and 7th child .....             | 2.5                      | *             | *           | *           | *           | 0.6         | 4.0         | 6.0         | 4.1         | 1.2         | *                        |
| 8th child and over .....            | 0.9                      | *             | *           | *           | *           | *           | 0.8         | 1.9         | 2.0         | 0.8         | *                        |
| Asian or Pacific Islander .....     | 65.6                     | 0.3           | 22.3        | 12.3        | 38.0        | 70.0        | 116.4       | 109.3       | 54.6        | 11.6        | 0.9                      |
| 1st child .....                     | 30.5                     | 0.3           | 18.1        | 10.9        | 29.4        | 42.0        | 61.8        | 42.6        | 15.0        | 2.9         | 0.2                      |
| 2d child .....                      | 22.1                     | *             | 3.4         | 1.3         | 6.9         | 19.3        | 36.3        | 42.7        | 22.2        | 3.9         | 0.2                      |
| 3d child .....                      | 8.3                      | *             | 0.6         | 0.1         | 1.4         | 5.9         | 11.8        | 15.7        | 10.9        | 2.5         | 0.2                      |
| 4th child .....                     | 2.7                      | *             | 0.1         | *           | 0.3         | 1.9         | 3.9         | 4.7         | 3.6         | 1.0         | 0.1                      |
| 5th child .....                     | 1.0                      | *             | *           | *           | *           | 0.6         | 1.5         | 1.7         | 1.2         | 0.5         | *                        |
| 6th and 7th child .....             | 0.7                      | *             | *           | *           | *           | 0.3         | 0.9         | 1.2         | 1.1         | 0.4         | 0.1                      |
| 8th child and over .....            | 0.4                      | *             | *           | *           | *           | *           | 0.2         | 0.7         | 0.7         | 0.4         | 0.1                      |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup> Fertility rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.

<sup>2</sup> Birth rates computed by relating births to women aged 45-54 years to women aged 45-49 years.

<sup>3</sup> Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.



**Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-99, and by age and race of mother: United States, 1980-99**

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for 1970, 1980, and 1990, and estimated as of July 1 for all other years]

| Year and race                | Total fertility rate | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------|----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                              |                      | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>1</sup> |
|                              |                      |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| <b>All races<sup>2</sup></b> |                      |               |             |             |             |             |             |             |             |             |                          |
| 1999                         | 2,075.0              | 0.9           | 49.6        | 28.7        | 80.3        | 111.0       | 117.8       | 89.6        | 38.3        | 7.4         | 0.4                      |
| 1998                         | 2,058.5              | 1.0           | 51.1        | 30.4        | 82.0        | 111.2       | 115.9       | 87.4        | 37.4        | 7.3         | 0.4                      |
| 1997                         | 2,032.5              | 1.1           | 52.3        | 32.1        | 83.6        | 110.4       | 113.8       | 85.3        | 36.1        | 7.1         | 0.4                      |
| 1996                         | 2,027.0              | 1.2           | 54.4        | 33.8        | 86.0        | 110.4       | 113.1       | 83.9        | 35.3        | 6.8         | 0.3                      |
| 1995                         | 2,019.0              | 1.3           | 56.8        | 36.0        | 89.1        | 109.8       | 112.2       | 82.5        | 34.3        | 6.6         | 0.3                      |
| 1994                         | 2,036.0              | 1.4           | 58.9        | 37.6        | 91.5        | 111.1       | 113.9       | 81.5        | 33.7        | 6.4         | 0.3                      |
| 1993                         | 2,046.0              | 1.4           | 59.6        | 37.8        | 92.1        | 112.6       | 115.5       | 80.8        | 32.9        | 6.1         | 0.3                      |
| 1992                         | 2,065.0              | 1.4           | 60.7        | 37.8        | 94.5        | 114.6       | 117.4       | 80.2        | 32.5        | 5.9         | 0.3                      |
| 1991                         | 2,073.0              | 1.4           | 62.1        | 38.7        | 94.4        | 115.7       | 118.2       | 79.5        | 32.0        | 5.5         | 0.2                      |
| 1990                         | 2,081.0              | 1.4           | 59.9        | 37.5        | 88.6        | 116.5       | 120.2       | 80.8        | 31.7        | 5.5         | 0.2                      |
| 1989                         | 2,014.0              | 1.4           | 57.3        | 36.4        | 84.2        | 113.8       | 117.6       | 77.4        | 29.9        | 5.2         | 0.2                      |
| 1988                         | 1,934.0              | 1.3           | 53.0        | 33.6        | 79.9        | 110.2       | 114.4       | 74.8        | 28.1        | 4.8         | 0.2                      |
| 1987                         | 1,872.0              | 1.3           | 50.6        | 31.7        | 78.5        | 107.9       | 111.6       | 72.1        | 26.3        | 4.4         | 0.2                      |
| 1986                         | 1,837.5              | 1.3           | 50.2        | 30.5        | 79.6        | 107.4       | 109.8       | 70.1        | 24.4        | 4.1         | 0.2                      |
| 1985                         | 1,844.0              | 1.2           | 51.0        | 31.0        | 79.6        | 108.3       | 111.0       | 69.1        | 24.0        | 4.0         | 0.2                      |
| 1984 <sup>3</sup>            | 1,806.5              | 1.2           | 50.6        | 31.0        | 77.4        | 106.8       | 108.7       | 67.0        | 22.9        | 3.9         | 0.2                      |
| 1983 <sup>3</sup>            | 1,799.0              | 1.1           | 51.4        | 31.8        | 77.4        | 107.8       | 108.5       | 64.9        | 22.0        | 3.9         | 0.2                      |
| 1982 <sup>3</sup>            | 1,827.5              | 1.1           | 52.4        | 32.3        | 79.4        | 111.6       | 111.0       | 64.1        | 21.2        | 3.9         | 0.2                      |
| 1981 <sup>3</sup>            | 1,812.0              | 1.1           | 52.2        | 32.0        | 80.0        | 112.2       | 111.5       | 61.4        | 20.0        | 3.8         | 0.2                      |
| 1980 <sup>3</sup>            | 1,839.5              | 1.1           | 53.0        | 32.5        | 82.1        | 115.1       | 112.9       | 61.9        | 19.8        | 3.9         | 0.2                      |
| 1979 <sup>3</sup>            | 1,808.0              | 1.2           | 52.3        | 32.3        | 81.3        | 112.8       | 111.4       | 60.3        | 19.5        | 3.9         | 0.2                      |
| 1978 <sup>3</sup>            | 1,760.0              | 1.2           | 51.5        | 32.2        | 79.8        | 109.9       | 108.5       | 57.8        | 19.0        | 3.9         | 0.2                      |
| 1977 <sup>3</sup>            | 1,789.5              | 1.2           | 52.8        | 33.9        | 80.9        | 112.9       | 111.0       | 56.4        | 19.2        | 4.2         | 0.2                      |
| 1976 <sup>3</sup>            | 1,738.0              | 1.2           | 52.8        | 34.1        | 80.5        | 110.3       | 106.2       | 53.6        | 19.0        | 4.3         | 0.2                      |
| 1975 <sup>3</sup>            | 1,774.0              | 1.3           | 55.6        | 36.1        | 85.0        | 113.0       | 108.2       | 52.3        | 19.5        | 4.6         | 0.3                      |
| 1974 <sup>3</sup>            | 1,835.0              | 1.2           | 57.5        | 37.3        | 88.7        | 117.7       | 111.5       | 53.8        | 20.2        | 4.8         | 0.3                      |
| 1973 <sup>3</sup>            | 1,879.0              | 1.2           | 59.3        | 38.5        | 91.2        | 119.7       | 112.2       | 55.6        | 22.1        | 5.4         | 0.3                      |
| 1972 <sup>3</sup>            | 2,010.0              | 1.2           | 61.7        | 39.0        | 96.9        | 130.2       | 117.7       | 59.8        | 24.8        | 6.2         | 0.4                      |
| 1971 <sup>4</sup>            | 2,266.5              | 1.1           | 64.5        | 38.2        | 105.3       | 150.1       | 134.1       | 67.3        | 28.7        | 7.1         | 0.4                      |
| 1970 <sup>4</sup>            | 2,480.0              | 1.2           | 68.3        | 38.8        | 114.7       | 167.8       | 145.1       | 73.3        | 31.7        | 8.1         | 0.5                      |
| <b>White</b>                 |                      |               |             |             |             |             |             |             |             |             |                          |
| 1999                         | 2,065.0              | 0.6           | 44.6        | 24.8        | 73.5        | 107.0       | 121.1       | 93.2        | 38.8        | 7.3         | 0.4                      |
| 1998                         | 2,041.0              | 0.6           | 45.4        | 25.9        | 74.6        | 107.2       | 119.1       | 90.5        | 37.8        | 7.2         | 0.4                      |
| 1997                         | 2,009.0              | 0.7           | 46.3        | 27.1        | 75.9        | 106.7       | 116.6       | 87.8        | 36.4        | 6.9         | 0.4                      |
| 1996                         | 2,005.5              | 0.8           | 48.1        | 28.4        | 78.4        | 107.2       | 116.1       | 86.3        | 35.6        | 6.7         | 0.3                      |
| 1995                         | 1,989.0              | 0.8           | 50.1        | 30.0        | 81.2        | 106.3       | 114.8       | 84.6        | 34.5        | 6.4         | 0.3                      |
| 1994                         | 1,985.0              | 0.8           | 51.1        | 30.7        | 82.1        | 106.2       | 115.5       | 83.2        | 33.7        | 6.2         | 0.3                      |
| 1993                         | 1,982.0              | 0.8           | 51.1        | 30.3        | 82.1        | 106.9       | 116.6       | 82.1        | 32.7        | 5.9         | 0.3                      |
| 1992                         | 1,993.5              | 0.8           | 51.8        | 30.1        | 83.8        | 108.2       | 118.4       | 81.4        | 32.2        | 5.7         | 0.2                      |
| 1991                         | 1,995.5              | 0.8           | 52.8        | 30.7        | 83.5        | 109.0       | 118.8       | 80.5        | 31.8        | 5.2         | 0.2                      |
| 1990                         | 2,003.0              | 0.7           | 50.8        | 29.5        | 78.0        | 109.8       | 120.7       | 81.7        | 31.5        | 5.2         | 0.2                      |
| 1989                         | 1,931.0              | 0.7           | 47.9        | 28.1        | 72.9        | 106.9       | 117.8       | 78.1        | 29.7        | 4.9         | 0.2                      |
| 1988                         | 1,856.5              | 0.6           | 44.4        | 26.0        | 69.6        | 103.7       | 114.8       | 75.4        | 27.7        | 4.5         | 0.2                      |
| 1987                         | 1,804.5              | 0.6           | 42.5        | 24.6        | 68.9        | 102.3       | 112.3       | 73.0        | 25.9        | 4.1         | 0.2                      |
| 1986                         | 1,776.0              | 0.6           | 42.3        | 23.8        | 70.1        | 102.7       | 110.8       | 70.9        | 23.9        | 3.8         | 0.2                      |
| 1985                         | 1,787.0              | 0.6           | 43.3        | 24.4        | 70.4        | 104.1       | 112.3       | 69.9        | 23.3        | 3.7         | 0.2                      |
| 1984 <sup>3</sup>            | 1,748.5              | 0.6           | 42.9        | 24.3        | 68.4        | 102.7       | 109.8       | 67.7        | 22.2        | 3.6         | 0.2                      |
| 1983 <sup>3</sup>            | 1,740.5              | 0.6           | 43.9        | 25.0        | 68.8        | 103.8       | 109.4       | 65.3        | 21.3        | 3.6         | 0.2                      |
| 1982 <sup>3</sup>            | 1,767.0              | 0.6           | 45.0        | 25.5        | 70.8        | 107.7       | 111.9       | 64.0        | 20.4        | 3.6         | 0.2                      |
| 1981 <sup>3</sup>            | 1,748.0              | 0.5           | 44.9        | 25.4        | 71.5        | 108.3       | 112.3       | 61.0        | 19.0        | 3.4         | 0.2                      |
| 1980 <sup>3</sup>            | 1,773.0              | 0.6           | 45.4        | 25.5        | 73.2        | 111.1       | 113.8       | 61.2        | 18.8        | 3.5         | 0.2                      |
| <b>Black</b>                 |                      |               |             |             |             |             |             |             |             |             |                          |
| 1999                         | 2,146.5              | 2.6           | 81.0        | 52.0        | 122.8       | 141.7       | 101.9       | 64.5        | 30.8        | 6.5         | 0.3                      |
| 1998                         | 2,171.0              | 2.9           | 85.4        | 56.8        | 126.9       | 141.9       | 101.8       | 64.7        | 30.5        | 6.7         | 0.3                      |
| 1997                         | 2,154.0              | 3.3           | 88.2        | 60.8        | 130.1       | 139.0       | 99.5        | 64.3        | 29.7        | 6.5         | 0.3                      |
| 1996                         | 2,144.0              | 3.6           | 91.4        | 64.7        | 132.5       | 136.8       | 98.2        | 63.3        | 29.1        | 6.1         | 0.3                      |
| 1995                         | 2,175.0              | 4.2           | 96.1        | 69.7        | 137.1       | 137.1       | 98.6        | 64.0        | 28.7        | 6.0         | 0.3                      |
| 1994                         | 2,300.0              | 4.6           | 104.5       | 76.3        | 148.3       | 146.0       | 104.0       | 65.8        | 28.9        | 5.9         | 0.3                      |
| 1993                         | 2,384.5              | 4.6           | 108.6       | 79.8        | 151.9       | 152.6       | 108.4       | 67.3        | 29.2        | 5.9         | 0.3                      |
| 1992                         | 2,442.0              | 4.7           | 112.4       | 81.3        | 157.9       | 158.0       | 111.2       | 67.5        | 28.8        | 5.6         | 0.2                      |
| 1991                         | 2,480.0              | 4.8           | 115.5       | 84.1        | 158.6       | 160.9       | 113.1       | 67.7        | 28.3        | 5.5         | 0.2                      |
| 1990                         | 2,480.0              | 4.9           | 112.8       | 82.3        | 152.9       | 160.2       | 115.5       | 68.7        | 28.1        | 5.5         | 0.3                      |
| 1989                         | 2,432.5              | 5.1           | 111.5       | 81.9        | 151.9       | 156.8       | 114.4       | 66.3        | 26.7        | 5.4         | 0.3                      |
| 1988                         | 2,298.0              | 4.9           | 102.7       | 75.7        | 142.7       | 149.7       | 108.2       | 63.1        | 25.6        | 5.1         | 0.3                      |
| 1987                         | 2,198.0              | 4.8           | 97.6        | 72.1        | 135.8       | 142.7       | 104.3       | 60.6        | 24.6        | 4.8         | 0.2                      |
| 1986                         | 2,135.5              | 4.7           | 95.8        | 69.3        | 135.1       | 137.3       | 101.1       | 59.3        | 23.8        | 4.8         | 0.3                      |
| 1985                         | 2,109.5              | 4.5           | 95.4        | 69.3        | 132.4       | 135.0       | 100.2       | 57.9        | 23.9        | 4.6         | 0.3                      |
| 1984 <sup>3</sup>            | 2,070.5              | 4.4           | 94.1        | 69.2        | 128.1       | 132.2       | 98.4        | 56.7        | 23.3        | 4.8         | 0.2                      |
| 1983 <sup>3</sup>            | 2,066.0              | 4.1           | 93.9        | 69.6        | 127.1       | 131.9       | 98.4        | 56.2        | 23.3        | 5.1         | 0.3                      |
| 1982 <sup>3</sup>            | 2,106.5              | 4.0           | 94.3        | 69.7        | 128.9       | 135.4       | 101.3       | 57.5        | 23.3        | 5.1         | 0.4                      |
| 1981 <sup>3</sup>            | 2,117.5              | 4.0           | 94.5        | 69.3        | 131.0       | 136.5       | 102.3       | 57.4        | 23.1        | 5.4         | 0.3                      |
| 1980 <sup>3</sup>            | 2,176.5              | 4.3           | 97.8        | 72.5        | 135.1       | 140.0       | 103.9       | 59.9        | 23.5        | 5.6         | 0.3                      |

**Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-99, and by age and race of mother: United States, 1980-99 --Con.**

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for 1970, 1980, and 1990, and estimated as of July 1 for all other years]

| Year and race                      | Total fertility rate | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------------|----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                    |                      | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>1</sup> |
|                                    |                      |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| <b>American Indian<sup>5</sup></b> |                      |               |             |             |             |             |             |             |             |             |                          |
| 1999 .....                         | 2,056.5              | 1.6           | 67.8        | 41.4        | 110.6       | 137.1       | 102.4       | 64.3        | 30.7        | 7.1         | 0.3                      |
| 1998 .....                         | 2,090.5              | 1.6           | 72.1        | 44.4        | 118.4       | 139.3       | 102.2       | 66.3        | 30.2        | 6.4         | *                        |
| 1997 .....                         | 2,047.5              | 1.7           | 71.8        | 45.3        | 117.6       | 134.9       | 100.8       | 64.2        | 29.3        | 6.4         | 0.4                      |
| 1996 .....                         | 2,030.0              | 1.7           | 73.9        | 46.4        | 122.3       | 133.9       | 98.5        | 63.2        | 28.5        | 6.3         | *                        |
| 1995 .....                         | 2,033.5              | 1.8           | 78.0        | 47.8        | 130.7       | 132.5       | 98.4        | 62.2        | 27.7        | 6.1         | *                        |
| 1994 .....                         | 2,080.0              | 1.9           | 80.8        | 51.3        | 130.3       | 134.2       | 104.1       | 61.2        | 27.5        | 5.9         | 0.4                      |
| 1993 .....                         | 2,141.0              | 1.4           | 83.1        | 53.7        | 130.7       | 139.8       | 107.6       | 62.8        | 27.6        | 5.9         | *                        |
| 1992 .....                         | 2,190.0              | 1.6           | 84.4        | 53.8        | 132.6       | 145.5       | 109.4       | 63.0        | 28.0        | 6.1         | *                        |
| 1991 .....                         | 2,169.0              | 1.6           | 85.0        | 52.7        | 134.3       | 144.9       | 106.9       | 61.9        | 27.2        | 5.9         | 0.4                      |
| 1990 .....                         | 2,183.0              | 1.6           | 81.1        | 48.5        | 129.3       | 148.7       | 110.3       | 61.5        | 27.5        | 5.9         | *                        |
| 1989 .....                         | 2,247.0              | 1.5           | 82.7        | 51.6        | 128.9       | 152.4       | 114.2       | 64.8        | 27.4        | 6.4         | *                        |
| 1988 .....                         | 2,153.5              | 1.7           | 77.5        | 49.7        | 121.1       | 145.2       | 110.9       | 64.5        | 25.6        | 5.3         | *                        |
| 1987 .....                         | 2,099.0              | 1.7           | 77.2        | 48.8        | 122.2       | 140.0       | 107.9       | 63.0        | 24.4        | 5.6         | *                        |
| 1986 .....                         | 2,082.0              | 1.8           | 78.1        | 48.7        | 125.3       | 138.8       | 107.9       | 60.7        | 23.8        | 5.3         | *                        |
| 1985 .....                         | 2,128.0              | 1.7           | 79.2        | 47.7        | 124.1       | 139.1       | 109.6       | 62.6        | 27.4        | 6.0         | *                        |
| 1984 <sup>3</sup> .....            | 2,136.0              | 1.7           | 81.5        | 50.7        | 124.7       | 142.4       | 109.2       | 60.5        | 26.3        | 5.6         | *                        |
| 1983 <sup>3</sup> .....            | 2,180.5              | 1.9           | 84.2        | 55.2        | 121.4       | 145.5       | 113.7       | 58.9        | 25.5        | 6.4         | *                        |
| 1982 <sup>3</sup> .....            | 2,213.0              | 1.4           | 83.5        | 52.6        | 127.6       | 148.1       | 115.8       | 60.9        | 26.9        | 6.0         | *                        |
| 1981 <sup>3</sup> .....            | 2,090.0              | 2.1           | 78.4        | 49.7        | 121.5       | 141.2       | 105.6       | 58.9        | 25.2        | 6.6         | *                        |
| 1980 <sup>3</sup> .....            | 2,162.5              | 1.9           | 82.2        | 51.5        | 129.5       | 143.7       | 106.6       | 61.8        | 28.1        | 8.2         | *                        |
| <b>Asian or Pacific Islander</b>   |                      |               |             |             |             |             |             |             |             |             |                          |
| 1999 .....                         | 1,927.0              | 0.3           | 22.3        | 12.3        | 38.0        | 70.0        | 116.4       | 109.3       | 54.6        | 11.6        | 0.9                      |
| 1998 .....                         | 1,867.5              | 0.4           | 23.1        | 13.8        | 38.3        | 68.8        | 110.4       | 105.1       | 52.8        | 12.0        | 0.9                      |
| 1997 .....                         | 1,925.5              | 0.5           | 23.7        | 14.3        | 39.3        | 70.5        | 113.2       | 110.3       | 54.1        | 11.9        | 0.9                      |
| 1996 .....                         | 1,907.5              | 0.6           | 24.6        | 14.9        | 40.4        | 70.7        | 111.2       | 109.2       | 52.2        | 12.2        | 0.8                      |
| 1995 .....                         | 1,924.0              | 0.7           | 26.1        | 15.4        | 43.4        | 72.4        | 113.4       | 106.9       | 52.4        | 12.1        | 0.8                      |
| 1994 .....                         | 1,943.0              | 0.7           | 27.1        | 16.1        | 44.1        | 73.1        | 118.6       | 105.2       | 51.3        | 11.6        | 1.0                      |
| 1993 .....                         | 1,935.5              | 0.6           | 27.0        | 16.0        | 43.3        | 73.3        | 119.9       | 103.9       | 50.2        | 11.3        | 0.9                      |
| 1992 .....                         | 1,942.0              | 0.7           | 26.6        | 15.2        | 43.1        | 74.6        | 121.0       | 103.0       | 50.6        | 11.0        | 0.9                      |
| 1991 .....                         | 1,956.0              | 0.8           | 27.4        | 16.1        | 43.1        | 75.2        | 123.2       | 103.3       | 49.0        | 11.2        | 1.1                      |
| 1990 .....                         | 2,002.5              | 0.7           | 26.4        | 16.0        | 40.2        | 79.2        | 126.3       | 106.5       | 49.6        | 10.7        | 1.1                      |
| 1989 .....                         | 1,947.5              | 0.6           | 25.6        | 15.0        | 40.4        | 78.8        | 124.0       | 102.3       | 47.0        | 10.2        | 1.0                      |
| 1988 .....                         | 1,983.5              | 0.6           | 24.2        | 13.6        | 39.6        | 80.7        | 128.0       | 104.4       | 47.5        | 10.3        | 1.0                      |
| 1987 .....                         | 1,886.0              | 0.6           | 22.4        | 12.6        | 37.0        | 79.7        | 122.7       | 97.0        | 44.2        | 9.5         | 1.1                      |
| 1986 .....                         | 1,836.0              | 0.5           | 22.8        | 12.1        | 38.8        | 79.2        | 119.9       | 92.6        | 41.9        | 9.3         | 1.0                      |
| 1985 .....                         | 1,885.0              | 0.4           | 23.8        | 12.5        | 40.8        | 83.6        | 123.0       | 93.6        | 42.7        | 8.7         | 1.2                      |
| 1984 <sup>3</sup> .....            | 1,892.0              | 0.5           | 24.2        | 12.6        | 40.7        | 86.7        | 124.3       | 92.4        | 40.6        | 8.7         | 1.0                      |
| 1983 <sup>3</sup> .....            | 1,943.5              | 0.5           | 26.1        | 12.9        | 44.5        | 94.0        | 126.2       | 93.3        | 39.4        | 8.2         | 1.0                      |
| 1982 <sup>3</sup> .....            | 2,015.5              | 0.4           | 29.4        | 14.0        | 50.8        | 98.9        | 130.9       | 94.4        | 39.2        | 8.8         | 1.1                      |
| 1981 <sup>3</sup> .....            | 1,976.0              | 0.3           | 28.5        | 13.4        | 49.5        | 96.4        | 129.1       | 93.4        | 38.0        | 8.6         | 0.9                      |
| 1980 <sup>3</sup> .....            | 1,953.5              | 0.3           | 26.2        | 12.0        | 46.2        | 93.3        | 127.4       | 96.0        | 38.3        | 8.5         | 0.7                      |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

<sup>1</sup> Beginning 1997, rates computed by relating births to women aged 45-54 years to women aged 45-49 years.

<sup>2</sup> For 1970-91 includes births to races not shown separately.

<sup>3</sup> Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

<sup>4</sup> Based on a 50-percent sample of births.

<sup>5</sup> Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980-99**

[Rates are live births per 1,000 women aged 15-44 years. Population enumerated as of April 1 for 1980 and 1990, and estimated as of July 1 for all other years. Figures for live-birth order not stated are distributed]

| Year and race of mother       | Fertility rate | Live-birth order |      |      |     |     |         |            |
|-------------------------------|----------------|------------------|------|------|-----|-----|---------|------------|
|                               |                | 1                | 2    | 3    | 4   | 5   | 6 and 7 | 8 and over |
| <b>All races <sup>1</sup></b> |                |                  |      |      |     |     |         |            |
| 1999 .....                    | 65.9           | 26.6             | 21.5 | 10.9 | 4.2 | 1.5 | 0.9     | 0.3        |
| 1998 .....                    | 65.6           | 26.4             | 21.4 | 10.8 | 4.2 | 1.5 | 0.9     | 0.3        |
| 1997 .....                    | 65.0           | 26.5             | 21.1 | 10.6 | 4.1 | 1.5 | 0.9     | 0.3        |
| 1996 .....                    | 65.3           | 26.8             | 21.1 | 10.5 | 4.1 | 1.5 | 0.9     | 0.3        |
| 1995 .....                    | 65.6           | 27.3             | 21.1 | 10.5 | 4.0 | 1.5 | 0.9     | 0.3        |
| 1994 .....                    | 66.7           | 27.5             | 21.5 | 10.7 | 4.2 | 1.6 | 1.0     | 0.3        |
| 1993 .....                    | 67.6           | 27.5             | 21.9 | 11.0 | 4.3 | 1.6 | 1.0     | 0.3        |
| 1992 .....                    | 68.9           | 27.8             | 22.3 | 11.3 | 4.4 | 1.7 | 1.0     | 0.3        |
| 1991 .....                    | 69.6           | 28.3             | 22.4 | 11.4 | 4.5 | 1.7 | 1.0     | 0.3        |
| 1990 .....                    | 70.9           | 29.0             | 22.8 | 11.7 | 4.5 | 1.7 | 1.0     | 0.3        |
| 1989 .....                    | 69.2           | 28.4             | 22.4 | 11.3 | 4.3 | 1.6 | 0.9     | 0.3        |
| 1988 .....                    | 67.3           | 27.6             | 22.0 | 10.9 | 4.1 | 1.5 | 0.9     | 0.3        |
| 1987 .....                    | 65.8           | 27.2             | 21.6 | 10.5 | 3.9 | 1.4 | 0.8     | 0.3        |
| 1986 .....                    | 65.4           | 27.2             | 21.6 | 10.3 | 3.8 | 1.4 | 0.8     | 0.3        |
| 1985 .....                    | 66.3           | 27.6             | 22.0 | 10.4 | 3.8 | 1.4 | 0.8     | 0.3        |
| 1984 <sup>2</sup> .....       | 65.5           | 27.4             | 21.7 | 10.1 | 3.7 | 1.4 | 0.9     | 0.3        |
| 1983 <sup>2</sup> .....       | 65.7           | 27.8             | 21.5 | 10.1 | 3.7 | 1.4 | 0.9     | 0.3        |
| 1982 <sup>2</sup> .....       | 67.3           | 28.6             | 22.0 | 10.2 | 3.8 | 1.4 | 0.9     | 0.3        |
| 1981 <sup>2</sup> .....       | 67.3           | 29.0             | 21.6 | 10.1 | 3.8 | 1.5 | 0.9     | 0.4        |
| 1980 <sup>2</sup> .....       | 68.4           | 29.5             | 21.8 | 10.3 | 3.9 | 1.5 | 1.0     | 0.4        |
| <b>White</b>                  |                |                  |      |      |     |     |         |            |
| 1999 .....                    | 65.1           | 26.4             | 21.6 | 10.8 | 4.0 | 1.4 | 0.8     | 0.2        |
| 1998 .....                    | 64.6           | 26.1             | 21.5 | 10.7 | 3.9 | 1.3 | 0.8     | 0.2        |
| 1997 .....                    | 63.9           | 26.2             | 21.2 | 10.4 | 3.8 | 1.3 | 0.8     | 0.2        |
| 1996 .....                    | 64.3           | 26.6             | 21.2 | 10.4 | 3.8 | 1.3 | 0.8     | 0.2        |
| 1995 .....                    | 64.4           | 26.9             | 21.1 | 10.3 | 3.8 | 1.3 | 0.7     | 0.2        |
| 1994 .....                    | 64.9           | 27.0             | 21.4 | 10.4 | 3.8 | 1.3 | 0.8     | 0.2        |
| 1993 .....                    | 65.4           | 27.0             | 21.7 | 10.5 | 3.9 | 1.4 | 0.8     | 0.2        |
| 1992 .....                    | 66.5           | 27.3             | 22.0 | 10.8 | 4.0 | 1.4 | 0.8     | 0.2        |
| 1991 .....                    | 67.0           | 27.8             | 22.0 | 10.8 | 4.0 | 1.4 | 0.8     | 0.2        |
| 1990 .....                    | 68.3           | 28.4             | 22.4 | 11.1 | 4.0 | 1.4 | 0.8     | 0.2        |
| 1989 .....                    | 66.4           | 27.6             | 21.9 | 10.7 | 3.8 | 1.3 | 0.7     | 0.2        |
| 1988 .....                    | 64.5           | 26.8             | 21.6 | 10.4 | 3.6 | 1.2 | 0.7     | 0.2        |
| 1987 .....                    | 63.3           | 26.5             | 21.3 | 10.0 | 3.5 | 1.2 | 0.7     | 0.2        |
| 1986 .....                    | 63.1           | 26.6             | 21.3 | 9.8  | 3.4 | 1.2 | 0.7     | 0.2        |
| 1985 .....                    | 64.1           | 27.0             | 21.8 | 9.9  | 3.4 | 1.2 | 0.7     | 0.2        |
| 1984 <sup>2</sup> .....       | 63.2           | 26.8             | 21.4 | 9.6  | 3.3 | 1.2 | 0.7     | 0.2        |
| 1983 <sup>2</sup> .....       | 63.4           | 27.2             | 21.2 | 9.5  | 3.3 | 1.2 | 0.7     | 0.2        |
| 1982 <sup>2</sup> .....       | 64.8           | 28.0             | 21.6 | 9.6  | 3.4 | 1.2 | 0.7     | 0.3        |
| 1981 <sup>2</sup> .....       | 64.8           | 28.4             | 21.1 | 9.5  | 3.4 | 1.2 | 0.8     | 0.3        |
| 1980 <sup>2</sup> .....       | 65.6           | 28.8             | 21.3 | 9.6  | 3.4 | 1.3 | 0.8     | 0.3        |
| <b>Black</b>                  |                |                  |      |      |     |     |         |            |
| 1999 .....                    | 70.1           | 26.5             | 20.9 | 12.4 | 5.7 | 2.5 | 1.7     | 0.6        |
| 1998 .....                    | 71.0           | 27.0             | 21.1 | 12.3 | 5.7 | 2.6 | 1.7     | 0.6        |
| 1997 .....                    | 70.7           | 27.3             | 20.7 | 12.1 | 5.7 | 2.5 | 1.8     | 0.6        |
| 1996 .....                    | 70.7           | 27.6             | 20.5 | 12.0 | 5.6 | 2.6 | 1.8     | 0.6        |
| 1995 .....                    | 72.3           | 28.7             | 20.7 | 12.0 | 5.7 | 2.6 | 1.8     | 0.6        |
| 1994 .....                    | 76.9           | 29.8             | 22.2 | 13.1 | 6.3 | 2.9 | 2.0     | 0.6        |
| 1993 .....                    | 80.5           | 30.2             | 23.4 | 14.1 | 6.9 | 3.1 | 2.2     | 0.7        |
| 1992 .....                    | 83.2           | 30.6             | 24.3 | 15.0 | 7.2 | 3.3 | 2.2     | 0.6        |
| 1991 .....                    | 85.2           | 31.5             | 25.0 | 15.4 | 7.4 | 3.3 | 2.1     | 0.6        |
| 1990 .....                    | 86.8           | 32.4             | 25.6 | 15.6 | 7.4 | 3.2 | 2.0     | 0.6        |
| 1989 .....                    | 86.2           | 32.9             | 25.4 | 15.3 | 7.1 | 3.0 | 1.9     | 0.6        |
| 1988 .....                    | 82.6           | 31.8             | 24.6 | 14.4 | 6.6 | 2.8 | 1.8     | 0.5        |
| 1987 .....                    | 80.1           | 31.2             | 23.8 | 13.9 | 6.3 | 2.7 | 1.7     | 0.5        |
| 1986 .....                    | 78.9           | 31.0             | 23.4 | 13.5 | 6.1 | 2.6 | 1.7     | 0.5        |
| 1985 .....                    | 78.8           | 31.0             | 23.4 | 13.4 | 6.1 | 2.6 | 1.7     | 0.5        |
| 1984 <sup>2</sup> .....       | 78.1           | 30.9             | 23.0 | 13.2 | 6.0 | 2.6 | 1.7     | 0.6        |
| 1983 <sup>2</sup> .....       | 78.7           | 31.1             | 23.1 | 13.2 | 6.1 | 2.7 | 1.8     | 0.6        |
| 1982 <sup>2</sup> .....       | 80.9           | 31.7             | 23.9 | 13.8 | 6.3 | 2.7 | 1.8     | 0.7        |
| 1981 <sup>2</sup> .....       | 82.0           | 32.3             | 24.2 | 13.7 | 6.3 | 2.8 | 1.9     | 0.8        |
| 1980 <sup>2</sup> .....       | 84.9           | 33.7             | 24.7 | 14.0 | 6.5 | 2.9 | 2.1     | 0.9        |

<sup>1</sup> Includes races other than white and black.

<sup>2</sup> Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States: see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 6. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-99**

[Birth rates are live births per 1,000 population in specified group. Fertility rates are live births per 1,000 women aged 15-44 years in specified group]

| Measure and year        | Hispanic                 |         |         |              |        |                            | Non-Hispanic               |                    |           |         |
|-------------------------|--------------------------|---------|---------|--------------|--------|----------------------------|----------------------------|--------------------|-----------|---------|
|                         | All origins <sup>1</sup> | Total   | Mexican | Puerto Rican | Cuban  | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White     | Black   |
| <b>Number</b>           |                          |         |         |              |        |                            |                            |                    |           |         |
| 1999 .....              | 3,959,417                | 764,339 | 540,674 | 57,138       | 13,088 | 103,307                    | 50,132                     | 3,147,580          | 2,346,450 | 588,981 |
| 1998 .....              | 3,941,553                | 734,661 | 516,011 | 57,349       | 13,226 | 98,226                     | 49,849                     | 3,158,975          | 2,361,462 | 593,127 |
| 1997 .....              | 3,880,894                | 709,767 | 499,024 | 55,450       | 12,887 | 97,405                     | 45,001                     | 3,115,174          | 2,333,363 | 581,431 |
| 1996 .....              | 3,891,494                | 701,339 | 489,666 | 54,863       | 12,613 | 97,888                     | 46,309                     | 3,133,484          | 2,358,989 | 578,099 |
| 1995 .....              | 3,899,589                | 679,768 | 469,615 | 54,824       | 12,473 | 94,996                     | 47,860                     | 3,160,495          | 2,382,638 | 587,781 |
| 1994 .....              | 3,952,767                | 665,026 | 454,536 | 57,240       | 11,889 | 93,485                     | 47,876                     | 3,245,115          | 2,438,855 | 619,198 |
| 1993 .....              | 4,000,240                | 654,418 | 443,733 | 58,102       | 11,916 | 92,371                     | 48,296                     | 3,295,345          | 2,472,031 | 641,273 |
| 1992 <sup>3</sup> ..... | 4,049,024                | 643,271 | 432,047 | 59,569       | 11,472 | 89,031                     | 51,152                     | 3,365,862          | 2,527,207 | 657,450 |
| 1991 <sup>3</sup> ..... | 4,094,566                | 623,085 | 411,233 | 59,833       | 11,058 | 86,908                     | 54,053                     | 3,434,464          | 2,589,878 | 666,758 |
| 1990 <sup>4</sup> ..... | 4,092,994                | 595,073 | 385,640 | 58,807       | 11,311 | 83,008                     | 56,307                     | 3,457,417          | 2,626,500 | 661,701 |
| 1989 <sup>5</sup> ..... | 3,903,012                | 532,249 | 327,233 | 56,229       | 10,842 | 72,443                     | 65,502                     | 3,297,493          | 2,526,367 | 611,269 |
| <b>Birth rate</b>       |                          |         |         |              |        |                            |                            |                    |           |         |
| 1999 .....              | 14.5                     | 24.4    | 26.4    | 19.4         | 9.7    | <sup>6</sup> 23.4          |                            | 13.2               | 12.2      | 17.9    |
| 1998 .....              | 14.6                     | 24.3    | 26.4    | 19.0         | 10.0   | <sup>6</sup> 23.2          |                            | 13.4               | 12.3      | 18.2    |
| 1997 .....              | 14.5                     | 24.2    | 26.8    | 18.1         | 10.1   | <sup>6</sup> 22.4          |                            | 13.3               | 12.2      | 18.1    |
| 1996 .....              | 14.7                     | 24.8    | 27.4    | 17.9         | 10.7   | <sup>6</sup> 23.4          |                            | 13.5               | 12.4      | 18.3    |
| 1995 .....              | 14.8                     | 25.2    | 26.9    | 19.7         | 11.0   | <sup>6</sup> 25.3          |                            | 13.7               | 12.6      | 18.8    |
| 1994 .....              | 15.2                     | 25.5    | 27.0    | 21.4         | 10.8   | <sup>6</sup> 25.7          |                            | 14.0               | 12.8      | 20.0    |
| 1993 .....              | 15.5                     | 26.0    | 27.4    | 21.9         | 10.5   | <sup>6</sup> 26.9          |                            | 14.4               | 13.1      | 21.1    |
| 1992 <sup>7</sup> ..... | 15.9                     | 26.5    | 27.8    | 23.2         | 10.1   | <sup>6</sup> 27.9          |                            | 14.8               | 13.5      | 21.9    |
| 1991 <sup>7</sup> ..... | 16.3                     | 26.7    | 29.2    | 21.0         | 10.1   | <sup>6</sup> 26.5          |                            | 15.2               | 13.9      | 22.5    |
| 1990 <sup>4</sup> ..... | 16.7                     | 26.7    | 28.7    | 21.6         | 10.9   | <sup>6</sup> 27.5          |                            | 15.7               | 14.4      | 23.0    |
| 1989 <sup>5</sup> ..... | 16.3                     | 26.2    | 25.7    | 23.7         | 10.0   | <sup>6</sup> 28.3          |                            | 15.4               | 14.2      | 22.8    |
| <b>Fertility rate</b>   |                          |         |         |              |        |                            |                            |                    |           |         |
| 1999 .....              | 65.9                     | 102.0   | 111.6   | 77.7         | 51.2   | <sup>6</sup> 92.6          |                            | 60.7               | 57.8      | 72.2    |
| 1998 .....              | 65.6                     | 101.1   | 112.1   | 75.5         | 50.1   | <sup>6</sup> 90.2          |                            | 60.7               | 57.7      | 73.0    |
| 1997 .....              | 65.0                     | 102.8   | 116.6   | 71.7         | 57.4   | <sup>6</sup> 87.6          |                            | 60.1               | 57.0      | 72.4    |
| 1996 .....              | 65.3                     | 104.9   | 119.3   | 71.3         | 58.9   | <sup>6</sup> 90.2          |                            | 60.3               | 57.3      | 72.5    |
| 1995 .....              | 65.6                     | 105.0   | 117.0   | 75.7         | 55.1   | <sup>6</sup> 94.5          |                            | 60.8               | 57.6      | 74.5    |
| 1994 .....              | 66.7                     | 105.6   | 115.4   | 81.9         | 55.9   | <sup>6</sup> 97.7          |                            | 62.0               | 58.3      | 79.0    |
| 1993 .....              | 67.6                     | 106.9   | 114.8   | 82.5         | 55.5   | <sup>6</sup> 105.0         |                            | 63.1               | 59.0      | 82.7    |
| 1992 <sup>7</sup> ..... | 68.9                     | 108.6   | 116.0   | 89.9         | 50.3   | <sup>6</sup> 107.0         |                            | 64.4               | 60.2      | 85.5    |
| 1991 <sup>7</sup> ..... | 69.6                     | 108.1   | 121.6   | 80.9         | 49.1   | <sup>6</sup> 99.3          |                            | 65.4               | 61.0      | 87.6    |
| 1990 <sup>4</sup> ..... | 71.0                     | 107.7   | 118.9   | 82.9         | 52.6   | <sup>6</sup> 102.7         |                            | 67.1               | 62.8      | 89.0    |
| 1989 <sup>5</sup> ..... | 69.2                     | 104.9   | 106.6   | 86.6         | 49.8   | <sup>6</sup> 95.8          |                            | 65.7               | 60.5      | 84.8    |

<sup>1</sup> Includes origin not stated.<sup>2</sup> Includes races other than white and black.<sup>3</sup> Excludes data for New Hampshire, which did not report Hispanic origin.<sup>4</sup> Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>5</sup> Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.<sup>6</sup> Includes Central and South American and other and unknown Hispanic.<sup>7</sup> Rates are estimated for the United States based on birth data for 49 States and the District of Columbia. Births for New Hampshire that did not report Hispanic origin, are included in the rates for non-Hispanic women; see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1999**

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

| Live-birth order and origin of mother | All ages | Age of mother  |             |          |          |          |          |             |             |             |             |             |             |             |          |
|---------------------------------------|----------|----------------|-------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
|                                       |          | Under 15 years | 15-19 years |          |          |          |          | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years |          |
|                                       |          |                | Total       | 15 years | 16 years | 17 years | 18 years |             |             |             |             |             |             |             | 19 years |
| <b>Hispanic</b>                       |          |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total .....                           | 764,339  | 2,725          | 124,677     | 7,288    | 15,828   | 25,113   | 33,806   | 42,642      | 231,475     | 203,985     | 131,369     | 58,146      | 11,440      | 513         | 9        |
| 1st child .....                       | 283,116  | 2,638          | 94,218      | 6,880    | 14,220   | 20,565   | 24,854   | 27,699      | 98,947      | 53,434      | 23,997      | 8,375       | 1,433       | 73          | 1        |
| 2d child .....                        | 232,784  | 52             | 24,478      | 320      | 1,364    | 3,906    | 7,346    | 11,542      | 82,799      | 70,561      | 38,531      | 14,102      | 2,183       | 76          | 2        |
| 3d child .....                        | 141,471  | 2              | 4,282       | 18       | 85       | 389      | 1,143    | 2,647       | 35,149      | 48,762      | 35,847      | 14,939      | 2,403       | 84          | 3        |
| 4th child .....                       | 61,448   | -              | 502         | 2        | 3        | 31       | 118      | 348         | 10,098      | 20,172      | 18,759      | 9,840       | 2,007       | 69          | 1        |
| 5th child .....                       | 23,891   | -              | 69          | -        | 1        | 2        | 14       | 52          | 2,404       | 6,776       | 7,957       | 5,305       | 1,316       | 63          | 1        |
| 6th child .....                       | 9,621    | -              | 4           | 2        | -        | -        | 1        | 1           | 465         | 2,222       | 3,313       | 2,713       | 850         | 54          | -        |
| 7th child .....                       | 4,053    | -              | 1           | -        | -        | -        | -        | 1           | 125         | 690         | 1,396       | 1,289       | 522         | 30          | -        |
| 8th child and over .....              | 3,491    | -              | -           | -        | -        | -        | -        | -           | 35          | 401         | 992         | 1,320       | 681         | 61          | 1        |
| Not stated .....                      | 4,464    | 33             | 1,123       | 66       | 155      | 220      | 330      | 352         | 1,453       | 967         | 577         | 263         | 45          | 3           | -        |
| <b>Mexican</b>                        |          |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total .....                           | 540,674  | 2,031          | 92,204      | 5,450    | 11,809   | 18,716   | 24,932   | 31,297      | 169,899     | 146,115     | 86,834      | 36,182      | 7,089       | 317         | 3        |
| 1st child .....                       | 195,036  | 1,961          | 69,110      | 5,110    | 10,564   | 15,253   | 18,055   | 20,128      | 70,889      | 35,060      | 13,028      | 4,253       | 700         | 35          | -        |
| 2d child .....                        | 161,317  | 41             | 18,488      | 263      | 1,044    | 2,961    | 5,614    | 8,606       | 61,576      | 50,033      | 22,959      | 7,143       | 1,046       | 31          | -        |
| 3d child .....                        | 102,687  | 1              | 3,255       | 15       | 63       | 297      | 885      | 1,995       | 26,414      | 36,945      | 25,331      | 9,351       | 1,349       | 40          | 1        |
| 4th child .....                       | 46,439   | -              | 372         | 2        | 3        | 21       | 93       | 253         | 7,605       | 15,586      | 14,398      | 7,056       | 1,374       | 48          | -        |
| 5th child .....                       | 18,457   | -              | 55          | -        | 1        | 2        | 13       | 39          | 1,844       | 5,246       | 6,262       | 4,033       | 972         | 44          | 1        |
| 6th child .....                       | 7,457    | -              | 3           | 2        | -        | -        | -        | 1           | 353         | 1,705       | 2,592       | 2,113       | 652         | 39          | -        |
| 7th child .....                       | 3,151    | -              | 1           | -        | -        | -        | -        | 1           | 91          | 521         | 1,094       | 1,020       | 401         | 23          | -        |
| 8th child and over .....              | 2,760    | -              | -           | -        | -        | -        | -        | -           | 30          | 302         | 768         | 1,035       | 570         | 54          | 1        |
| Not stated .....                      | 3,370    | 28             | 920         | 58       | 134      | 182      | 272      | 274         | 1,097       | 717         | 402         | 178         | 25          | 3           | -        |
| <b>Puerto Rican</b>                   |          |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total .....                           | 57,138   | 242            | 11,836      | 677      | 1,508    | 2,440    | 3,226    | 3,985       | 18,289      | 13,616      | 8,607       | 3,765       | 755         | 27          | 1        |
| 1st child .....                       | 22,359   | 238            | 8,857       | 655      | 1,367    | 1,974    | 2,383    | 2,478       | 6,903       | 3,603       | 1,923       | 679         | 146         | 10          | -        |
| 2d child .....                        | 17,783   | 2              | 2,362       | 17       | 118      | 394      | 678      | 1,155       | 6,640       | 4,560       | 2,882       | 1,167       | 165         | 5           | -        |
| 3d child .....                        | 9,722    | -              | 418         | -        | 10       | 43       | 115      | 250         | 3,164       | 3,047       | 1,939       | 958         | 187         | 8           | 1        |
| 4th child .....                       | 4,023    | -              | 66          | -        | -        | 4        | 13       | 49          | 1,054       | 1,389       | 972         | 432         | 109         | 1           | -        |
| 5th child .....                       | 1,531    | -              | 5           | -        | -        | -        | 1        | 4           | 265         | 541         | 422         | 246         | 51          | 1           | -        |
| 6th child .....                       | 644      | -              | -           | -        | -        | -        | -        | -           | 56          | 222         | 211         | 111         | 43          | 1           | -        |
| 7th child .....                       | 288      | -              | -           | -        | -        | -        | -        | -           | 12          | 81          | 102         | 68          | 24          | 1           | -        |
| 8th child and over .....              | 243      | -              | -           | -        | -        | -        | -        | -           | 1           | 51          | 83          | 83          | 25          | -           | -        |
| Not stated .....                      | 545      | 2              | 128         | 5        | 13       | 25       | 36       | 49          | 194         | 122         | 73          | 21          | 5           | -           | -        |
| <b>Cuban</b>                          |          |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total .....                           | 13,088   | 25             | 980         | 56       | 119      | 179      | 259      | 367         | 2,420       | 3,659       | 3,629       | 2,027       | 334         | 14          | -        |
| 1st child .....                       | 5,723    | 24             | 805         | 53       | 114      | 153      | 211      | 274         | 1,423       | 1,726       | 1,181       | 475         | 85          | 4           | -        |
| 2d child .....                        | 4,828    | -              | 149         | 3        | 4        | 26       | 40       | 76          | 768         | 1,367       | 1,587       | 837         | 117         | 3           | -        |
| 3d child .....                        | 1,830    | -              | 24          | -        | 1        | -        | 8        | 15          | 191         | 427         | 641         | 464         | 80          | 3           | -        |
| 4th child .....                       | 468      | -              | 2           | -        | -        | -        | -        | 2           | 28          | 95          | 157         | 152         | 31          | 3           | -        |
| 5th child .....                       | 138      | -              | -           | -        | -        | -        | -        | -           | 5           | 29          | 43          | 48          | 12          | 1           | -        |
| 6th child .....                       | 47       | -              | -           | -        | -        | -        | -        | -           | 2           | 7           | 11          | 26          | 1           | -           | -        |
| 7th child .....                       | 18       | -              | -           | -        | -        | -        | -        | -           | 1           | 2           | 4           | 8           | 3           | -           | -        |
| 8th child and over .....              | 18       | -              | -           | -        | -        | -        | -        | -           | -           | 1           | 3           | 11          | 3           | -           | -        |
| Not stated .....                      | 18       | 1              | -           | -        | -        | -        | -        | -           | 2           | 5           | 2           | 6           | 2           | -           | -        |
| <b>Central and South American</b>     |          |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total .....                           | 103,307  | 182            | 10,112      | 460      | 1,115    | 1,862    | 2,792    | 3,883       | 25,850      | 28,472      | 23,759      | 12,259      | 2,540       | 131         | 2        |
| 1st child .....                       | 39,477   | 176            | 8,121       | 439      | 1,018    | 1,600    | 2,247    | 2,817       | 13,314      | 9,485       | 5,789       | 2,204       | 367         | 20          | 1        |
| 2d child .....                        | 33,300   | 4              | 1,666       | 19       | 85       | 234      | 475      | 853         | 8,517       | 10,334      | 8,291       | 3,799       | 658         | 30          | 1        |
| 3d child .....                        | 18,681   | 1              | 266         | 1        | 8        | 22       | 52       | 183         | 3,033       | 5,684       | 5,848       | 3,203       | 617         | 29          | -        |
| 4th child .....                       | 7,194    | -              | 22          | -        | -        | 2        | 5        | 15          | 722         | 2,017       | 2,367       | 1,645       | 406         | 15          | -        |
| 5th child .....                       | 2,543    | -              | 5           | -        | -        | -        | -        | 5           | 129         | 604         | 848         | 728         | 215         | 14          | -        |
| 6th child .....                       | 1,028    | -              | 1           | -        | -        | -        | 1        | -           | 25          | 181         | 335         | 351         | 124         | 11          | -        |
| 7th child .....                       | 418      | -              | -           | -        | -        | -        | -        | -           | 8           | 53          | 126         | 147         | 79          | 5           | -        |
| 8th child and over .....              | 328      | -              | -           | -        | -        | -        | -        | -           | 3           | 29          | 91          | 135         | 63          | 7           | -        |
| Not stated .....                      | 338      | 1              | 31          | 1        | 4        | 4        | 12       | 10          | 99          | 85          | 64          | 47          | 11          | -           | -        |
| <b>Other and unknown</b>              |          |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total .....                           | 50,132   | 245            | 9,545       | 645      | 1,277    | 1,916    | 2,597    | 3,110       | 15,017      | 12,123      | 8,540       | 3,913       | 722         | 24          | 3        |
| 1st child .....                       | 20,521   | 239            | 7,325       | 623      | 1,157    | 1,585    | 1,958    | 2,002       | 6,418       | 3,560       | 2,076       | 764         | 135         | 4           | -        |
| 2d child .....                        | 15,556   | 5              | 1,813       | 18       | 113      | 291      | 539      | 852         | 5,298       | 4,267       | 2,812       | 1,156       | 197         | 7           | 1        |
| 3d child .....                        | 8,551    | -              | 319         | 2        | 3        | 27       | 83       | 204         | 2,347       | 2,659       | 2,088       | 963         | 170         | 4           | 1        |
| 4th child .....                       | 3,324    | -              | 40          | -        | -        | 4        | 7        | 29          | 689         | 1,085       | 865         | 555         | 87          | 2           | 1        |
| 5th child .....                       | 1,222    | -              | 4           | -        | -        | -        | -        | 4           | 161         | 356         | 382         | 250         | 66          | 3           | -        |
| 6th child .....                       | 445      | -              | -           | -        | -        | -        | -        | -           | 29          | 107         | 164         | 112         | 30          | 3           | -        |
| 7th child .....                       | 178      | -              | -           | -        | -        | -        | -        | -           | 13          | 33          | 70          | 46          | 15          | 1           | -        |
| 8th child and over .....              | 142      | -              | -           | -        | -        | -        | -        | -           | 1           | 18          | 47          | 56          | 20          | -           | -        |
| Not stated .....                      | 193      | 1              | 44          | 2        | 4        | 9        | 10       | 19          | 61          | 38          | 36          | 11          | 2           | -           | -        |

See footnotes at end of table.

**Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1999 --Con.**

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

| Live-birth order and origin of mother | All ages  | Age of mother  |             |          |          |          |          |             |             |             |             |             |             |             |          |
|---------------------------------------|-----------|----------------|-------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
|                                       |           | Under 15 years | 15-19 years |          |          |          |          | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years |          |
|                                       |           |                | Total       | 15 years | 16 years | 17 years | 18 years |             |             |             |             |             |             |             | 19 years |
| Non-Hispanic                          |           |                |             |          |          |          |          |             |             |             |             |             |             |             |          |
| Total <sup>1</sup> .....              | 3,147,580 | 6,240          | 346,698     | 15,409   | 35,189   | 63,243   | 98,809   | 134,048     | 740,611     | 861,802     | 748,604     | 369,586     | 70,317      | 3,569       | 153      |
| 1st child .....                       | 1,287,491 | 6,102          | 273,298     | 14,753   | 32,379   | 54,652   | 77,857   | 93,657      | 345,192     | 334,448     | 225,757     | 85,893      | 15,856      | 894         | 51       |
| 2d child .....                        | 1,037,940 | 106            | 60,245      | 583      | 2,516    | 7,504    | 17,539   | 32,103      | 252,823     | 299,186     | 278,936     | 125,128     | 20,612      | 868         | 36       |
| 3d child .....                        | 504,463   | 5              | 10,272      | 15       | 158      | 750      | 2,684    | 6,665       | 101,006     | 144,407     | 148,395     | 85,112      | 14,606      | 630         | 30       |
| 4th child .....                       | 186,191   | 1              | 1,344       | 1        | 11       | 57       | 301      | 974         | 29,196      | 52,341      | 55,968      | 38,977      | 7,968       | 380         | 16       |
| 5th child .....                       | 66,336    | -              | 165         | -        | -        | 4        | 37       | 124         | 7,529       | 18,088      | 20,076      | 15,935      | 4,326       | 216         | 1        |
| 6th child .....                       | 27,365    | -              | 25          | -        | 2        | 3        | 4        | 16          | 1,896       | 6,608       | 8,887       | 7,494       | 2,308       | 144         | 3        |
| 7th child .....                       | 12,596    | -              | 5           | -        | -        | -        | 2        | 3           | 416         | 2,433       | 4,141       | 4,041       | 1,455       | 97          | 8        |
| 8th child and over .....              | 14,012    | -              | 3           | -        | -        | -        | 1        | 2           | 154         | 1,451       | 3,769       | 5,459       | 2,851       | 320         | 5        |
| Not stated .....                      | 11,186    | 26             | 1,341       | 57       | 123      | 273      | 384      | 504         | 2,399       | 2,840       | 2,675       | 1,547       | 335         | 20          | 3        |
| White .....                           | 2,346,450 | 2,048          | 212,923     | 6,963    | 18,886   | 37,671   | 62,282   | 87,121      | 514,386     | 663,569     | 600,830     | 294,590     | 55,175      | 2,808       | 121      |
| 1st child .....                       | 971,745   | 2,015          | 174,664     | 6,766    | 17,903   | 33,917   | 51,692   | 64,386      | 256,066     | 270,261     | 184,810     | 70,162      | 12,966      | 762         | 39       |
| 2d child .....                        | 794,532   | 25             | 32,729      | 160      | 858      | 3,347    | 9,271    | 19,093      | 177,643     | 236,926     | 229,123     | 100,789     | 16,564      | 701         | 32       |
| 3d child .....                        | 372,667   | -              | 4,215       | 3        | 45       | 231      | 981      | 2,955       | 61,617      | 106,540     | 119,601     | 68,825      | 11,351      | 491         | 27       |
| 4th child .....                       | 127,988   | -              | 400         | -        | 1        | 12       | 77       | 310         | 14,162      | 33,956      | 42,353      | 30,650      | 6,158       | 295         | 14       |
| 5th child .....                       | 40,983    | -              | 49          | -        | -        | 1        | 10       | 38          | 2,651       | 9,702       | 13,552      | 11,705      | 3,172       | 151         | 1        |
| 6th child .....                       | 15,669    | -              | 7           | -        | 1        | 1        | -        | 5           | 521         | 2,860       | 5,338       | 5,185       | 1,653       | 103         | 2        |
| 7th child .....                       | 6,923     | -              | 2           | -        | -        | -        | 1        | 1           | 88          | 886         | 2,244       | 2,641       | 993         | 65          | 4        |
| 8th child and over .....              | 7,816     | -              | 1           | -        | -        | -        | -        | 1           | 56          | 378         | 1,674       | 3,422       | 2,058       | 227         | -        |
| Not stated .....                      | 8,127     | 8              | 856         | 34       | 78       | 162      | 250      | 332         | 1,582       | 2,060       | 2,135       | 1,211       | 260         | 13          | 2        |
| Black .....                           | 588,981   | 3,890          | 118,285     | 7,698    | 14,573   | 22,580   | 32,155   | 41,279      | 188,247     | 134,784     | 88,403      | 45,746      | 9,223       | 392         | 11       |
| 1st child .....                       | 221,337   | 3,786          | 86,434      | 7,282    | 12,894   | 18,195   | 22,799   | 25,264      | 69,070      | 33,356      | 19,041      | 8,089       | 1,497       | 58          | 6        |
| 2d child .....                        | 174,340   | 81             | 24,843      | 383      | 1,528    | 3,773    | 7,453    | 11,706      | 63,831      | 42,819      | 27,474      | 13,044      | 2,164       | 82          | 2        |
| 3d child .....                        | 103,413   | 4              | 5,579       | 9        | 102      | 473      | 1,557    | 3,438       | 35,068      | 30,190      | 19,956      | 10,534      | 2,008       | 73          | 1        |
| 4th child .....                       | 47,666    | 1              | 870         | 1        | 10       | 37       | 198      | 624         | 13,581      | 15,308      | 10,446      | 6,145       | 1,266       | 49          | -        |
| 5th child .....                       | 21,029    | -              | 108         | -        | -        | 2        | 25       | 81          | 4,425       | 7,127       | 5,135       | 3,344       | 844         | 46          | -        |
| 6th child .....                       | 9,630     | -              | 17          | -        | 1        | 2        | 4        | 10          | 1,236       | 3,222       | 2,869       | 1,773       | 489         | 24          | -        |
| 7th child .....                       | 4,595     | -              | 3           | -        | -        | -        | 1        | 2           | 295         | 1,326       | 1,515       | 1,083       | 354         | 18          | 1        |
| 8th child and over .....              | 4,717     | -              | 2           | -        | -        | -        | 1        | 1           | 84          | 898         | 1,609       | 1,531       | 553         | 40          | -        |
| Not stated .....                      | 2,254     | 18             | 429         | 23       | 38       | 98       | 117      | 153         | 657         | 538         | 358         | 203         | 48          | 2           | 1        |

- Quantity zero.

<sup>1</sup> Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1999**

[ Rates are live births per 1,000 women in specified age and racial group. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

| Live-birth order and origin of mother | 15-44 years <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|---------------------------------------|--------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                       |                          | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>2</sup> |
|                                       |                          |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| <b>Hispanic</b>                       |                          |               |             |             |             |             |             |             |             |             |                          |
| Total .....                           | 102.0                    | 2.0           | 93.4        | 61.3        | 139.4       | 178.7       | 163.1       | 102.2       | 46.3        | 10.7        | 0.6                      |
| 1st child .....                       | 38.0                     | 2.0           | 71.2        | 53.4        | 96.7        | 76.9        | 42.9        | 18.8        | 6.7         | 1.3         | 0.1                      |
| 2d child .....                        | 31.3                     | 0.0           | 18.5        | 7.2         | 34.8        | 64.3        | 56.7        | 30.1        | 11.3        | 2.0         | 0.1                      |
| 3d child .....                        | 19.0                     | *             | 3.2         | 0.6         | 7.0         | 27.3        | 39.2        | 28.0        | 12.0        | 2.3         | 0.1                      |
| 4th child .....                       | 8.3                      | *             | 0.4         | 0.0         | 0.9         | 7.8         | 16.2        | 14.7        | 7.9         | 1.9         | 0.1                      |
| 5th child .....                       | 3.2                      | *             | 0.1         | *           | 0.1         | 1.9         | 5.4         | 6.2         | 4.2         | 1.2         | 0.1                      |
| 6th and 7th child .....               | 1.8                      | *             | *           | *           | *           | 0.5         | 2.3         | 3.7         | 3.2         | 1.3         | 0.1                      |
| 8th child and over .....              | 0.5                      | *             | *           | *           | *           | 0.0         | 0.3         | 0.8         | 1.1         | 0.6         | 0.1                      |
| Mexican .....                         | 111.6                    | 2.3           | 101.5       | 65.4        | 156.8       | 194.2       | 169.8       | 107.9       | 49.1        | 10.8        | 0.7                      |
| 1st child .....                       | 40.5                     | 2.2           | 76.8        | 56.8        | 107.5       | 81.5        | 40.9        | 16.3        | 5.8         | 1.1         | 0.1                      |
| 2d child .....                        | 33.5                     | 0.0           | 20.6        | 7.8         | 40.0        | 70.8        | 58.4        | 28.7        | 9.7         | 1.6         | 0.1                      |
| 3d child .....                        | 21.3                     | *             | 3.6         | 0.7         | 8.1         | 30.4        | 43.1        | 31.6        | 12.8        | 2.1         | 0.1                      |
| 4th child .....                       | 9.6                      | *             | 0.4         | 0.0         | 1.0         | 8.7         | 18.2        | 18.0        | 9.6         | 2.1         | 0.1                      |
| 5th child .....                       | 3.8                      | *             | 0.1         | *           | 0.1         | 2.1         | 6.1         | 7.8         | 5.5         | 1.5         | 0.1                      |
| 6th and 7th child .....               | 2.2                      | *             | *           | *           | *           | 0.5         | 2.6         | 4.6         | 4.3         | 1.6         | 0.1                      |
| 8th child and over .....              | 0.6                      | *             | *           | *           | *           | 0.0         | 0.4         | 1.0         | 1.4         | 0.9         | 0.1                      |
| Puerto Rican .....                    | 77.7                     | 1.7           | 79.7        | 53.2        | 117.1       | 166.0       | 127.9       | 64.3        | 28.4        | 7.3         | 0.3                      |
| 1st child .....                       | 30.7                     | 1.7           | 60.3        | 46.4        | 79.9        | 63.3        | 34.1        | 14.5        | 5.1         | 1.4         | *                        |
| 2d child .....                        | 24.4                     | *             | 16.1        | 6.1         | 30.1        | 60.9        | 43.2        | 21.7        | 8.8         | 1.6         | *                        |
| 3d child .....                        | 13.3                     | *             | 2.8         | 0.6         | 6.0         | 29.0        | 28.9        | 14.6        | 7.3         | 1.8         | *                        |
| 4th child .....                       | 5.5                      | *             | 0.5         | *           | 1.0         | 9.7         | 13.2        | 7.3         | 3.3         | 1.1         | *                        |
| 5th child .....                       | 2.1                      | *             | *           | *           | *           | 2.4         | 5.1         | 3.2         | 1.9         | 0.5         | *                        |
| 6th and 7th child .....               | 1.3                      | *             | *           | *           | *           | 0.6         | 2.9         | 2.4         | 1.4         | 0.6         | *                        |
| 8th child and over .....              | 0.3                      | *             | *           | *           | *           | *           | 0.5         | 0.6         | 0.6         | 0.2         | *                        |
| Cuban .....                           | 51.2                     | 0.7           | 27.1        | 15.7        | 46.2        | 71.8        | 92.8        | 72.9        | 39.6        | 7.4         | *                        |
| 1st child .....                       | 22.4                     | 0.7           | 22.3        | 14.2        | 35.8        | 42.2        | 43.8        | 23.7        | 9.3         | 1.9         | *                        |
| 2d child .....                        | 18.9                     | *             | 4.1         | 1.5         | 8.6         | 22.8        | 34.7        | 31.9        | 16.4        | 2.6         | *                        |
| 3d child .....                        | 7.2                      | *             | 0.7         | *           | 1.7         | 5.7         | 10.9        | 12.9        | 9.1         | 1.8         | *                        |
| 4th child .....                       | 1.8                      | *             | *           | *           | *           | 0.8         | 2.4         | 3.2         | 3.0         | 0.7         | *                        |
| 5th child .....                       | 0.5                      | *             | *           | *           | *           | *           | 0.7         | 0.9         | 0.9         | *           | *                        |
| 6th and 7th child .....               | 0.3                      | *             | *           | *           | *           | *           | *           | *           | 0.7         | *           | *                        |
| 8th child and over .....              | *                        | *             | *           | *           | *           | *           | *           | *           | *           | *           | *                        |
| Other Hispanic <sup>3</sup> .....     | 92.6                     | 1.6           | 81.3        | 57.1        | 108.2       | 148.0       | 166.2       | 108.8       | 48.3        | 12.4        | 0.7                      |
| 1st child .....                       | 36.3                     | 1.6           | 64.1        | 50.6        | 79.2        | 71.8        | 53.6        | 26.6        | 8.9         | 1.9         | 0.1                      |
| 2d child .....                        | 29.6                     | *             | 14.4        | 6.0         | 23.8        | 50.2        | 60.0        | 37.5        | 14.9        | 3.3         | 0.2                      |
| 3d child .....                        | 16.5                     | *             | 2.4         | 0.5         | 4.6         | 19.6        | 34.3        | 26.8        | 12.5        | 3.0         | 0.2                      |
| 4th child .....                       | 6.4                      | *             | 0.3         | *           | 0.5         | 5.1         | 12.7        | 10.9        | 6.6         | 1.9         | *                        |
| 5th child .....                       | 2.3                      | *             | *           | *           | *           | 1.1         | 3.9         | 4.2         | 2.9         | 1.1         | *                        |
| 6th and 7th child .....               | 1.3                      | *             | *           | *           | *           | 0.3         | 1.5         | 2.3         | 2.0         | 0.9         | 0.1                      |
| 8th child and over .....              | 0.3                      | *             | *           | *           | *           | *           | 0.2         | 0.5         | 0.6         | 0.3         | *                        |

See footnotes at end of table.

**Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1999 --Con.**

[ Rates are live births per 1,000 women in specified age and racial group. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

| Live-birth order and origin of mother | 15-44 years <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|---------------------------------------|--------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                       |                          | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>2</sup> |
|                                       |                          |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| Non-Hispanic <sup>4</sup>             |                          |               |             |             |             |             |             |             |             |             |                          |
| Total <sup>5</sup> .....              | 60.7                     | 0.8           | 42.5        | 23.5        | 70.6        | 99.4        | 110.6       | 87.8        | 37.3        | 7.1         | 0.4                      |
| 1st child .....                       | 24.9                     | 0.8           | 33.7        | 21.1        | 52.2        | 46.5        | 43.1        | 26.6        | 8.7         | 1.6         | 0.1                      |
| 2d child .....                        | 20.1                     | 0.0           | 7.4         | 2.2         | 15.1        | 34.1        | 38.5        | 32.8        | 12.7        | 2.1         | 0.1                      |
| 3d child .....                        | 9.8                      | *             | 1.3         | 0.2         | 2.8         | 13.6        | 18.6        | 17.4        | 8.6         | 1.5         | 0.1                      |
| 4th child .....                       | 3.6                      | *             | 0.2         | 0.0         | 0.4         | 3.9         | 6.7         | 6.6         | 4.0         | 0.8         | 0.0                      |
| 5th child .....                       | 1.3                      | *             | 0.0         | *           | 0.0         | 1.0         | 2.3         | 2.4         | 1.6         | 0.4         | 0.0                      |
| 6th and 7th child .....               | 0.8                      | *             | 0.0         | *           | 0.0         | 0.3         | 1.2         | 1.5         | 1.2         | 0.4         | 0.0                      |
| 8th child and over .....              | 0.3                      | *             | *           | *           | *           | 0.0         | 0.2         | 0.4         | 0.6         | 0.3         | 0.0                      |
| White .....                           | 57.8                     | 0.3           | 34.0        | 17.1        | 58.9        | 89.9        | 111.0       | 90.3        | 37.3        | 6.8         | 0.4                      |
| 1st child .....                       | 24.0                     | 0.3           | 28.0        | 15.8        | 46.0        | 44.9        | 45.3        | 27.9        | 8.9         | 1.6         | 0.1                      |
| 2d child .....                        | 19.6                     | 0.0           | 5.3         | 1.2         | 11.2        | 31.2        | 39.7        | 34.6        | 12.8        | 2.1         | 0.1                      |
| 3d child .....                        | 9.2                      | *             | 0.7         | 0.1         | 1.6         | 10.8        | 17.9        | 18.0        | 8.7         | 1.4         | 0.1                      |
| 4th child .....                       | 3.2                      | *             | 0.1         | *           | 0.2         | 2.5         | 5.7         | 6.4         | 3.9         | 0.8         | 0.0                      |
| 5th child .....                       | 1.0                      | *             | 0.0         | *           | 0.0         | 0.5         | 1.6         | 2.0         | 1.5         | 0.4         | 0.0                      |
| 6th and 7th child .....               | 0.6                      | *             | *           | *           | *           | 0.1         | 0.6         | 1.2         | 1.0         | 0.3         | 0.0                      |
| 8th child and over .....              | 0.2                      | *             | *           | *           | *           | 0.0         | 0.1         | 0.3         | 0.4         | 0.3         | 0.0                      |
| Black .....                           | 72.2                     | 2.7           | 83.7        | 53.7        | 126.8       | 146.3       | 104.9       | 66.3        | 31.5        | 6.7         | 0.4                      |
| 1st child .....                       | 27.2                     | 2.7           | 61.4        | 46.1        | 83.3        | 53.9        | 26.1        | 14.4        | 5.6         | 1.1         | 0.1                      |
| 2d child .....                        | 21.4                     | 0.1           | 17.6        | 6.8         | 33.2        | 49.8        | 33.4        | 20.7        | 9.0         | 1.6         | 0.1                      |
| 3d child .....                        | 12.7                     | *             | 4.0         | 0.7         | 8.6         | 27.3        | 23.6        | 15.0        | 7.3         | 1.5         | 0.1                      |
| 4th child .....                       | 5.9                      | *             | 0.6         | 0.1         | 1.4         | 10.6        | 11.9        | 7.9         | 4.3         | 0.9         | 0.0                      |
| 5th child .....                       | 2.6                      | *             | 0.1         | *           | 0.2         | 3.5         | 5.6         | 3.9         | 2.3         | 0.6         | 0.0                      |
| 6th and 7th child .....               | 1.8                      | *             | 0.0         | *           | *           | 1.2         | 3.6         | 3.3         | 2.0         | 0.6         | 0.0                      |
| 8th child and over .....              | 0.6                      | *             | *           | *           | *           | 0.1         | 0.7         | 1.2         | 1.1         | 0.4         | 0.0                      |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.  
0.0 Quantity more than zero but less than 0.05.<sup>1</sup> Fertility rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.<sup>2</sup> Birth rates computed by relating births to women aged 45-54 years to women aged 45-49 years.<sup>3</sup> Includes Central and South American and other and unknown Hispanic.<sup>4</sup> Includes origin not stated.<sup>5</sup> Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin;



**Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-99**

[Fertility rates are live births per 1,000 women aged 15-44 years in specified racial group and birth rates are live births per 1,000 women in specified age and racial group. Population enumerated as of April 1 for 1990, and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

| Year and origin/race of mother | Total fertility rate | Fertility rate <sup>†</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|--------------------------------|----------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                |                      |                             | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>2</sup> |
|                                |                      |                             |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| <b>All origins</b>             |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999                           | 2,075.0              | 65.9                        | 0.9           | 49.6        | 28.7        | 80.3        | 111.0       | 117.8       | 89.6        | 38.3        | 7.4         | 0.4                      |
| 1998                           | 2,058.5              | 65.6                        | 1.0           | 51.1        | 30.4        | 82.0        | 111.2       | 115.9       | 87.4        | 37.4        | 7.3         | 0.4                      |
| 1997                           | 2,032.5              | 65.0                        | 1.1           | 52.3        | 32.1        | 83.6        | 110.4       | 113.8       | 85.3        | 36.1        | 7.1         | 0.4                      |
| 1996                           | 2,027.0              | 65.3                        | 1.2           | 54.4        | 33.8        | 86.0        | 110.4       | 113.1       | 83.9        | 35.3        | 6.8         | 0.3                      |
| 1995                           | 2,019.0              | 65.6                        | 1.3           | 56.8        | 36.0        | 89.1        | 109.8       | 112.2       | 82.5        | 34.3        | 6.6         | 0.3                      |
| 1994                           | 2,036.0              | 66.7                        | 1.4           | 58.9        | 37.6        | 91.5        | 111.1       | 113.9       | 81.5        | 33.7        | 6.4         | 0.3                      |
| 1993                           | 2,046.0              | 67.6                        | 1.4           | 59.6        | 37.8        | 92.1        | 112.6       | 115.5       | 80.8        | 32.9        | 6.1         | 0.3                      |
| 1992                           | 2,065.0              | 68.9                        | 1.4           | 60.7        | 37.8        | 94.5        | 114.6       | 117.4       | 80.2        | 32.5        | 5.9         | 0.3                      |
| 1991                           | 2,073.0              | 69.6                        | 1.4           | 62.1        | 38.7        | 94.4        | 115.7       | 118.2       | 79.5        | 32.0        | 5.5         | 0.2                      |
| 1990                           | 2,081.0              | 70.9                        | 1.4           | 59.9        | 37.5        | 88.6        | 116.5       | 120.2       | 80.8        | 31.7        | 5.5         | 0.2                      |
| 1989                           | 2,014.0              | 69.2                        | 1.4           | 57.3        | 36.4        | 84.2        | 113.8       | 117.6       | 77.4        | 29.9        | 5.2         | 0.2                      |
| <b>Hispanic</b>                |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| <b>Total</b>                   |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999                           | 2,985.0              | 102.0                       | 2.0           | 93.4        | 61.3        | 139.4       | 178.7       | 163.1       | 102.2       | 46.3        | 10.7        | 0.6                      |
| 1998                           | 2,947.5              | 101.1                       | 2.1           | 93.6        | 62.3        | 140.1       | 178.4       | 160.2       | 98.9        | 44.9        | 10.8        | 0.6                      |
| 1997                           | 2,999.5              | 102.8                       | 2.3           | 97.4        | 66.3        | 144.3       | 184.2       | 161.7       | 97.9        | 45.0        | 10.8        | 0.6                      |
| 1996                           | 3,047.5              | 104.9                       | 2.6           | 101.8       | 69.0        | 151.1       | 189.5       | 161.0       | 98.1        | 45.1        | 10.8        | 0.6                      |
| 1995                           | 3,019.5              | 105.0                       | 2.7           | 106.7       | 72.9        | 157.9       | 188.5       | 153.8       | 95.9        | 44.9        | 10.8        | 0.6                      |
| 1994                           | 3,014.0              | 105.6                       | 2.7           | 107.7       | 74.0        | 158.0       | 188.2       | 153.2       | 95.4        | 44.3        | 10.7        | 0.6                      |
| 1993                           | 3,020.5              | 106.9                       | 2.7           | 106.8       | 71.7        | 159.1       | 188.3       | 154.0       | 96.4        | 44.7        | 10.6        | 0.6                      |
| 1992 <sup>3</sup>              | 3,043.0              | 108.6                       | 2.6           | 107.1       | 71.4        | 159.7       | 190.6       | 154.4       | 96.8        | 45.6        | 10.9        | 0.6                      |
| 1991 <sup>3</sup>              | 3,002.5              | 108.1                       | 2.4           | 106.7       | 70.6        | 158.5       | 186.3       | 152.8       | 96.1        | 44.9        | 10.7        | 0.6                      |
| 1990 <sup>4</sup>              | 2,959.5              | 107.7                       | 2.4           | 100.3       | 65.9        | 147.7       | 181.0       | 153.0       | 98.3        | 45.3        | 10.9        | 0.7                      |
| 1989 <sup>5</sup>              | 2,903.5              | 104.9                       | 2.3           | 100.8       | ---         | ---         | 184.4       | 146.6       | 92.1        | 43.5        | 10.4        | 0.6                      |
| <b>Mexican</b>                 |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999                           | 3,181.5              | 111.6                       | 2.3           | 101.5       | 65.4        | 156.8       | 194.2       | 169.8       | 107.9       | 49.1        | 10.8        | 0.7                      |
| 1998                           | 3,198.0              | 112.1                       | 2.2           | 102.7       | 67.0        | 159.1       | 197.6       | 173.5       | 103.7       | 48.4        | 10.9        | 0.6                      |
| 1997                           | 3,307.5              | 116.6                       | 2.5           | 112.4       | 77.3        | 165.1       | 204.9       | 176.3       | 104.2       | 49.0        | 11.6        | 0.6                      |
| 1996                           | 3,353.5              | 119.3                       | 2.8           | 120.7       | 83.4        | 174.3       | 206.3       | 176.9       | 103.7       | 47.6        | 12.0        | 0.7                      |
| 1995                           | 3,273.5              | 117.0                       | 2.8           | 124.6       | 84.4        | 185.3       | 208.9       | 160.5       | 98.5        | 46.8        | 11.9        | 0.7                      |
| 1994                           | 3,211.5              | 115.4                       | 2.8           | 116.2       | 78.0        | 175.0       | 202.6       | 165.2       | 96.9        | 46.2        | 11.7        | 0.7                      |
| 1993                           | 3,174.0              | 114.8                       | 2.6           | 108.7       | 71.6        | 164.9       | 196.6       | 168.2       | 100.5       | 46.1        | 11.3        | 0.8                      |
| 1992 <sup>3</sup>              | 3,196.5              | 116.0                       | 2.5           | 108.8       | ---         | ---         | 202.3       | 166.3       | 99.1        | 47.7        | 11.8        | 0.8                      |
| 1991 <sup>3</sup>              | 3,317.5              | 121.6                       | 2.6           | 117.3       | 75.9        | 178.4       | 209.9       | 168.2       | 103.3       | 49.1        | 12.3        | 0.8                      |
| 1990 <sup>4</sup>              | 3,214.0              | 118.9                       | 2.5           | 108.0       | 69.7        | 162.2       | 200.3       | 165.3       | 104.4       | 49.1        | 12.4        | 0.8                      |
| 1989 <sup>5</sup>              | 2,916.5              | 106.6                       | 2.0           | 94.5        | ---         | ---         | 184.3       | 153.7       | 96.1        | 41.0        | 11.1        | 0.6                      |
| <b>Puerto Rican</b>            |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999                           | 2,378.0              | 77.7                        | 1.7           | 79.7        | 53.2        | 117.1       | 166.0       | 127.9       | 64.3        | 28.4        | 7.3         | 0.3                      |
| 1998                           | 2,268.0              | 75.5                        | 1.9           | 81.2        | 55.1        | 120.7       | 164.2       | 104.4       | 67.6        | 26.7        | 7.2         | 0.4                      |
| 1997                           | 2,164.0              | 71.7                        | 1.8           | 74.9        | 48.9        | 120.0       | 154.0       | 109.3       | 59.1        | 27.0        | 6.2         | 0.5                      |
| 1996                           | 2,163.0              | 71.3                        | 2.1           | 82.3        | 52.2        | 143.2       | 148.8       | 109.4       | 58.3        | 25.9        | 5.6         | *                        |
| 1995                           | 2,245.5              | 75.7                        | 3.0           | 89.0        | 61.2        | 139.2       | 151.5       | 107.2       | 64.8        | 27.7        | 5.6         | 0.3                      |
| 1994                           | 2,490.0              | 81.9                        | 3.2           | 106.0       | 72.8        | 168.4       | 181.0       | 111.7       | 62.3        | 28.0        | 5.6         | 0.2                      |
| 1993                           | 2,523.5              | 82.5                        | 3.1           | 110.0       | 73.4        | 181.0       | 193.1       | 108.4       | 56.3        | 27.1        | 6.2         | 0.5                      |
| 1992 <sup>3</sup>              | 2,644.5              | 89.9                        | 3.5           | 110.4       | ---         | ---         | 204.9       | 106.6       | 66.7        | 30.0        | 6.5         | 0.3                      |
| 1991 <sup>3</sup>              | 2,276.0              | 80.9                        | 2.5           | 102.7       | 75.2        | 143.0       | 149.4       | 107.5       | 61.4        | 25.7        | 5.7         | 0.3                      |
| 1990 <sup>4</sup>              | 2,301.0              | 82.9                        | 2.9           | 101.6       | 71.6        | 141.6       | 150.1       | 109.9       | 62.8        | 26.2        | 6.2         | 0.5                      |
| 1989 <sup>5</sup>              | 2,421.0              | 86.6                        | 3.8           | 112.7       | ---         | ---         | 171.0       | 98.0        | 65.2        | 26.9        | 6.3         | 0.3                      |
| <b>Cuban</b>                   |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999                           | 1,563.0              | 51.2                        | 0.7           | 27.1        | 15.7        | 46.2        | 71.8        | 92.8        | 72.9        | 39.6        | 7.4         | *                        |
| 1998                           | 1,560.0              | 50.1                        | 0.8           | 24.2        | 15.6        | 38.8        | 85.6        | 95.2        | 64.5        | 34.2        | 7.1         | *                        |
| 1997                           | 1,814.5              | 57.4                        | 1.0           | 38.3        | 25.3        | 53.4        | 82.7        | 123.5       | 75.7        | 35.1        | 6.3         | 0.3                      |
| 1996                           | 1,774.5              | 58.9                        | 0.9           | 34.0        | 19.8        | 54.5        | 82.5        | 110.7       | 85.9        | 34.3        | 6.4         | *                        |
| 1995                           | 1,705.5              | 55.1                        | *             | 29.2        | 16.6        | 51.2        | 77.0        | 110.6       | 88.0        | 29.8        | 6.0         | *                        |
| 1994                           | 1,680.5              | 55.9                        | 0.6           | 40.2        | 23.1        | 77.4        | 72.5        | 98.4        | 87.6        | 31.3        | 5.5         | *                        |
| 1993                           | 1,632.5              | 55.5                        | *             | 33.0        | 20.4        | 49.7        | 68.9        | 102.0       | 86.9        | 31.0        | 4.7         | *                        |
| 1992 <sup>3</sup>              | 1,485.5              | 50.3                        | 1.0           | 26.3        | ---         | ---         | 51.6        | 98.4        | 86.2        | 28.9        | 4.7         | 0.0                      |
| 1991 <sup>3</sup>              | 1,385.5              | 49.1                        | *             | 27.7        | 17.5        | 41.3        | 61.2        | 88.8        | 68.2        | 26.7        | 4.0         | *                        |
| 1990 <sup>4</sup>              | 1,459.5              | 52.6                        | *             | 30.3        | 18.2        | 46.1        | 64.6        | 95.4        | 67.6        | 28.2        | 4.9         | *                        |
| 1989 <sup>5</sup>              | 1,479.0              | 49.8                        | 0.5           | 25.1        | ---         | ---         | 64.2        | 101.8       | 73.7        | 27.2        | 3.0         | 0.3                      |

See footnotes at end of table.

**Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-99 --Con.**

[Fertility rates are live births per 1,000 women aged 15-44 years in specified racial group and birth rates are live births per 1,000 women in specified age and racial group. Population enumerated as of April 1 for 1990, and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

| Year and origin/race of mother     | Total fertility rate | Fertility rate <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------------|----------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                    |                      |                             | 10-14 years   | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years <sup>2</sup> |
|                                    |                      |                             |               | Total       | 15-17 years | 18-19 years |             |             |             |             |             |                          |
| <b>Other Hispanic <sup>6</sup></b> |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999 .....                         | 2,836.5              | 92.6                        | 1.6           | 81.3        | 57.1        | 108.2       | 148.0       | 166.2       | 108.8       | 48.3        | 12.4        | 0.7                      |
| 1998 .....                         | 2,719.0              | 90.2                        | 1.9           | 80.0        | 56.7        | 106.9       | 137.4       | 157.2       | 106.9       | 46.9        | 12.9        | 0.6                      |
| 1997 .....                         | 2,653.5              | 87.6                        | 2.0           | 72.1        | 48.3        | 106.8       | 146.4       | 147.9       | 104.4       | 45.4        | 11.8        | 0.7                      |
| 1996 .....                         | 2,762.0              | 90.2                        | 2.4           | 69.8        | 46.6        | 103.1       | 166.5       | 146.3       | 105.3       | 50.4        | 11.0        | 0.7                      |
| 1995 .....                         | 2,834.0              | 94.5                        | 2.4           | 77.5        | 54.8        | 107.8       | 158.3       | 161.8       | 103.7       | 50.9        | 11.6        | 0.6                      |
| 1994 .....                         | 2,855.5              | 97.7                        | 2.6           | 87.9        | 66.4        | 112.4       | 162.0       | 147.4       | 109.3       | 49.4        | 11.9        | 0.6                      |
| 1993 .....                         | 3,038.5              | 105.0                       | 2.7           | 106.9       | 78.2        | 141.7       | 175.2       | 147.1       | 110.4       | 52.4        | 12.5        | 0.5                      |
| 1992 <sup>3</sup> .....            | 3,076.0              | 107.0                       | 2.5           | 112.1       | ---         | ---         | 172.9       | 157.8       | 106.6       | 50.3        | 12.5        | 0.5                      |
| 1991 <sup>3</sup> .....            | 2,817.0              | 99.3                        | 2.1           | 88.1        | 58.9        | 128.8       | 161.1       | 150.6       | 101.5       | 48.2        | 11.2        | 0.6                      |
| 1990 <sup>4</sup> .....            | 2,877.0              | 102.7                       | 2.1           | 86.0        | 57.2        | 123.8       | 162.9       | 155.8       | 106.9       | 49.4        | 11.6        | 0.7                      |
| 1989 <sup>5</sup> .....            | 2,683.0              | 95.8                        | 1.7           | 66.4        | ---         | ---         | 159.2       | 150.4       | 85.1        | 60.3        | 12.7        | 0.8                      |
| <b>Non-Hispanic <sup>7</sup></b>   |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| <b>Total <sup>8</sup></b>          |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999 .....                         | 1,929.5              | 60.7                        | 0.8           | 42.5        | 23.5        | 70.6        | 99.4        | 110.6       | 87.8        | 37.3        | 7.1         | 0.4                      |
| 1998 .....                         | 1,919.5              | 60.7                        | 0.8           | 44.3        | 25.4        | 72.8        | 99.9        | 109.3       | 85.7        | 36.5        | 7.0         | 0.4                      |
| 1997 .....                         | 1,888.5              | 60.1                        | 0.9           | 45.5        | 27.0        | 74.3        | 98.6        | 107.0       | 83.5        | 35.1        | 6.7         | 0.4                      |
| 1996 .....                         | 1,881.0              | 60.3                        | 1.0           | 47.3        | 28.7        | 76.2        | 98.4        | 106.5       | 82.0        | 34.2        | 6.5         | 0.3                      |
| 1995 .....                         | 1,881.0              | 60.8                        | 1.1           | 49.6        | 30.7        | 79.0        | 98.5        | 106.4       | 80.9        | 33.2        | 6.2         | 0.3                      |
| 1994 .....                         | 1,905.0              | 62.0                        | 1.2           | 52.0        | 32.5        | 81.8        | 100.4       | 108.6       | 79.9        | 32.6        | 6.0         | 0.3                      |
| 1993 .....                         | 1,918.5              | 63.1                        | 1.2           | 52.9        | 33.1        | 82.6        | 102.5       | 110.4       | 79.0        | 31.7        | 5.7         | 0.3                      |
| 1992 <sup>3</sup> .....            | 1,941.0              | 64.4                        | 1.2           | 54.4        | 33.2        | 85.5        | 104.7       | 112.7       | 78.4        | 31.2        | 5.4         | 0.2                      |
| 1991 <sup>3</sup> .....            | 1,959.5              | 65.4                        | 1.3           | 56.1        | 34.4        | 86.1        | 106.6       | 114.0       | 77.8        | 30.8        | 5.1         | 0.2                      |
| 1990 <sup>4</sup> .....            | 1,979.5              | 67.1                        | 1.3           | 54.8        | 33.8        | 81.4        | 108.1       | 116.5       | 79.2        | 30.7        | 5.1         | 0.2                      |
| 1989 <sup>5</sup> .....            | 1,921.0              | 65.7                        | 1.3           | 53.4        | ---         | ---         | 107.8       | 113.4       | 74.7        | 28.6        | 4.8         | 0.2                      |
| <b>White</b>                       |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999 .....                         | 1,850.0              | 57.8                        | 0.3           | 34.0        | 17.1        | 58.9        | 89.9        | 111.0       | 90.3        | 37.3        | 6.8         | 0.4                      |
| 1998 .....                         | 1,837.0              | 57.7                        | 0.3           | 35.2        | 18.4        | 60.6        | 90.7        | 109.7       | 88.0        | 36.4        | 6.7         | 0.4                      |
| 1997 .....                         | 1,801.0              | 57.0                        | 0.4           | 36.0        | 19.4        | 61.9        | 89.8        | 107.2       | 85.2        | 34.9        | 6.4         | 0.3                      |
| 1996 .....                         | 1,795.5              | 57.3                        | 0.4           | 37.6        | 20.6        | 63.7        | 90.1        | 107.0       | 83.5        | 34.0        | 6.2         | 0.3                      |
| 1995 .....                         | 1,786.5              | 57.6                        | 0.4           | 39.3        | 22.0        | 66.1        | 90.0        | 106.5       | 82.0        | 32.9        | 5.9         | 0.3                      |
| 1994 .....                         | 1,792.0              | 58.3                        | 0.5           | 40.4        | 22.8        | 67.4        | 90.9        | 107.9       | 80.7        | 32.1        | 5.7         | 0.2                      |
| 1993 .....                         | 1,792.5              | 59.0                        | 0.5           | 40.7        | 22.7        | 67.7        | 92.1        | 109.2       | 79.4        | 31.1        | 5.3         | 0.2                      |
| 1992 <sup>3</sup> .....            | 1,810.5              | 60.2                        | 0.5           | 41.7        | 22.7        | 69.8        | 93.9        | 111.5       | 78.7        | 30.5        | 5.1         | 0.2                      |
| 1991 <sup>3</sup> .....            | 1,826.5              | 61.0                        | 0.5           | 43.4        | 23.6        | 70.5        | 95.7        | 112.7       | 77.9        | 30.2        | 4.7         | 0.2                      |
| 1990 <sup>4</sup> .....            | 1,850.5              | 62.8                        | 0.5           | 42.5        | 23.2        | 66.6        | 97.5        | 115.3       | 79.4        | 30.0        | 4.7         | 0.2                      |
| 1989 <sup>5</sup> .....            | 1,770.0              | 60.5                        | 0.4           | 39.9        | ---         | ---         | 94.7        | 111.7       | 75.0        | 27.8        | 4.3         | 0.2                      |
| <b>Black</b>                       |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 1999 .....                         | 2,212.5              | 72.2                        | 2.7           | 83.7        | 53.7        | 126.8       | 146.3       | 104.9       | 66.3        | 31.5        | 6.7         | 0.4                      |
| 1998 .....                         | 2,235.5              | 73.0                        | 3.0           | 88.2        | 58.8        | 130.9       | 146.4       | 104.6       | 66.6        | 31.2        | 6.8         | 0.3                      |
| 1997 .....                         | 2,210.5              | 72.4                        | 3.4           | 90.8        | 62.6        | 134.0       | 143.0       | 101.9       | 65.8        | 30.3        | 6.6         | 0.3                      |
| 1996 .....                         | 2,204.0              | 72.5                        | 3.8           | 94.2        | 66.6        | 136.6       | 140.9       | 100.8       | 64.9        | 29.7        | 6.2         | 0.3                      |
| 1995 .....                         | 2,245.0              | 74.5                        | 4.3           | 99.3        | 72.1        | 141.9       | 141.7       | 102.0       | 65.9        | 29.4        | 6.1         | 0.3                      |
| 1994 .....                         | 2,365.0              | 79.0                        | 4.7           | 107.7       | 78.6        | 152.9       | 150.3       | 107.0       | 67.5        | 29.5        | 6.0         | 0.3                      |
| 1993 .....                         | 2,454.5              | 82.7                        | 4.7           | 112.2       | 82.5        | 156.7       | 157.4       | 111.5       | 69.0        | 29.8        | 6.0         | 0.3                      |
| 1992 <sup>3</sup> .....            | 2,514.0              | 85.5                        | 4.8           | 116.0       | 83.9        | 162.9       | 163.0       | 114.6       | 69.1        | 29.4        | 5.7         | 0.2                      |
| 1991 <sup>3</sup> .....            | 2,551.0              | 87.6                        | 4.9           | 118.9       | 86.7        | 163.1       | 166.1       | 116.3       | 69.3        | 28.9        | 5.6         | 0.2                      |
| 1990 <sup>4</sup> .....            | 2,547.5              | 89.0                        | 5.0           | 116.2       | 84.9        | 157.5       | 165.1       | 118.4       | 70.2        | 28.7        | 5.6         | 0.3                      |
| 1989 <sup>5</sup> .....            | 2,424.0              | 84.8                        | 5.2           | 111.9       | ---         | ---         | 156.3       | 113.8       | 65.7        | 26.3        | 5.3         | 0.3                      |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup> Fertility rates computed by relating total births, regardless of age of mother, to women 15-44 years.

<sup>2</sup> Beginning 1997, rates computed by relating births to women aged 45-54 years to women aged 45-49 years.

<sup>3</sup> Excludes data for New Hampshire, which did not report Hispanic origin.

<sup>4</sup> Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>5</sup> Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

<sup>6</sup> Includes Central and South American and other and unknown Hispanic.

<sup>7</sup> Includes origin not stated.

<sup>8</sup> Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15-19 years by age of mother: United States, each State and territory, 1999**

[By place of residence. Birth rates are live births per 1,000 estimated population in each area; fertility rates are live births per 1,000 women aged 15-44 years estimated in each area; total fertility rates are sums of birth rates for 5-year age groups multiplied by 5; birth rates by age are live births per 1,000 women in specified age group estimated in each area]

| State                            | Number of births | Birth rate | Fertility rate | Total fertility rate | Teenage birth rate |             |             |
|----------------------------------|------------------|------------|----------------|----------------------|--------------------|-------------|-------------|
|                                  |                  |            |                |                      | 15-19 years        |             |             |
|                                  |                  |            |                |                      | Total              | 15-17 years | 18-19 years |
| United States <sup>1</sup> ..... | 3,959,417        | 14.5       | 65.9           | 2,075.0              | 49.6               | 28.7        | 80.3        |
| Alabama .....                    | 62,122           | 14.2       | 63.3           | 1,965.5              | 62.8               | 38.3        | 95.9        |
| Alaska .....                     | 9,950            | 16.1       | 74.3           | 2,445.5              | 41.8               | 24.5        | 67.7        |
| Arizona .....                    | 81,145           | 17.0       | 81.1           | 2,543.0              | 69.6               | 41.8        | 111.1       |
| Arkansas .....                   | 36,729           | 14.4       | 67.7           | 2,092.5              | 68.1               | 37.6        | 112.3       |
| California .....                 | 518,508          | 15.6       | 69.5           | 2,151.0              | 50.7               | 30.9        | 78.5        |
| Colorado .....                   | 62,167           | 15.3       | 69.8           | 2,255.0              | 48.4               | 28.7        | 78.0        |
| Connecticut .....                | 43,310           | 13.2       | 61.9           | 1,945.5              | 33.3               | 18.7        | 57.6        |
| Delaware .....                   | 10,676           | 14.2       | 61.7           | 1,946.0              | 54.3               | 33.7        | 82.3        |
| District of Columbia .....       | 7,522            | 14.5       | 60.0           | 1,901.0              | 83.5               | 67.0        | 100.4       |
| Florida .....                    | 197,023          | 13.0       | 65.1           | 2,092.5              | 53.5               | 30.9        | 88.6        |
| Georgia .....                    | 126,717          | 16.3       | 68.8           | 2,158.0              | 65.1               | 38.1        | 104.0       |
| Hawaii .....                     | 17,038           | 14.4       | 68.7           | 2,216.5              | 43.8               | 25.6        | 67.2        |
| Idaho .....                      | 19,872           | 15.9       | 73.2           | 2,288.0              | 43.7               | 25.1        | 68.9        |
| Illinois .....                   | 182,068          | 15.0       | 68.0           | 2,139.5              | 51.1               | 29.5        | 83.6        |
| Indiana .....                    | 86,031           | 14.5       | 65.2           | 2,057.5              | 51.6               | 27.5        | 86.8        |
| Iowa .....                       | 37,558           | 13.1       | 62.3           | 1,991.0              | 35.8               | 18.3        | 61.4        |
| Kansas .....                     | 38,782           | 14.6       | 67.5           | 2,151.0              | 47.4               | 24.2        | 81.5        |
| Kentucky .....                   | 54,403           | 13.7       | 61.5           | 1,925.0              | 56.4               | 30.3        | 93.1        |
| Louisiana .....                  | 67,136           | 15.4       | 67.7           | 2,088.5              | 62.8               | 37.9        | 96.9        |
| Maine .....                      | 13,616           | 10.9       | 49.4           | 1,605.0              | 29.8               | 13.8        | 54.8        |
| Maryland .....                   | 71,967           | 13.9       | 60.4           | 1,918.0              | 42.6               | 25.2        | 69.9        |
| Massachusetts .....              | 80,939           | 13.1       | 58.5           | 1,762.5              | 28.7               | 16.2        | 47.2        |
| Michigan .....                   | 133,607          | 13.5       | 60.7           | 1,924.5              | 40.5               | 22.0        | 68.2        |
| Minnesota .....                  | 65,970           | 13.8       | 62.6           | 2,017.0              | 30.0               | 16.2        | 51.2        |
| Mississippi .....                | 42,684           | 15.4       | 67.9           | 2,049.0              | 72.5               | 45.0        | 111.0       |
| Missouri .....                   | 75,432           | 13.8       | 63.0           | 2,014.5              | 49.6               | 26.9        | 83.4        |
| Montana .....                    | 10,785           | 12.2       | 59.8           | 1,967.0              | 35.1               | 18.5        | 60.2        |
| Nebraska .....                   | 23,907           | 14.3       | 66.6           | 2,136.0              | 37.0               | 20.1        | 61.4        |
| Nevada .....                     | 29,362           | 16.2       | 78.3           | 2,519.0              | 64.1               | 37.0        | 106.9       |
| New Hampshire .....              | 14,041           | 11.7       | 50.8           | 1,613.5              | 24.0               | 10.5        | 46.0        |
| New Jersey .....                 | 114,105          | 14.0       | 64.5           | 2,032.5              | 32.8               | 18.2        | 55.5        |
| New Mexico .....                 | 27,191           | 15.6       | 72.2           | 2,300.5              | 67.4               | 42.8        | 104.6       |
| New York .....                   | 255,612          | 14.0       | 63.6           | 1,967.5              | 37.0               | 21.3        | 59.8        |
| North Carolina .....             | 113,795          | 14.9       | 67.6           | 2,133.0              | 59.5               | 34.8        | 96.3        |
| North Dakota .....               | 7,639            | 12.1       | 57.3           | 1,826.0              | 27.7               | 12.9        | 50.0        |
| Ohio .....                       | 152,584          | 13.6       | 61.4           | 1,944.0              | 46.0               | 24.7        | 77.2        |
| Oklahoma .....                   | 49,010           | 14.6       | 68.9           | 2,157.5              | 60.5               | 33.1        | 101.7       |
| Oregon .....                     | 45,204           | 13.6       | 64.8           | 2,068.5              | 46.5               | 25.3        | 78.4        |
| Pennsylvania .....               | 145,347          | 12.1       | 57.4           | 1,830.5              | 36.2               | 20.5        | 60.1        |
| Rhode Island .....               | 12,366           | 12.5       | 57.2           | 1,771.5              | 38.2               | 21.6        | 63.2        |
| South Carolina .....             | 54,948           | 14.1       | 62.1           | 1,931.5              | 60.8               | 38.1        | 91.9        |
| South Dakota .....               | 10,524           | 14.4       | 67.7           | 2,186.5              | 37.6               | 19.3        | 63.4        |
| Tennessee .....                  | 77,803           | 14.2       | 63.5           | 2,008.0              | 62.7               | 35.0        | 102.7       |
| Texas .....                      | 349,245          | 17.4       | 77.6           | 2,427.5              | 70.1               | 43.9        | 108.1       |
| Utah .....                       | 46,290           | 21.7       | 93.1           | 2,745.5              | 40.2               | 22.6        | 62.7        |
| Vermont .....                    | 6,567            | 11.1       | 49.2           | 1,570.0              | 25.7               | 12.1        | 46.3        |
| Virginia .....                   | 95,469           | 13.9       | 59.6           | 1,852.0              | 42.7               | 23.0        | 70.0        |
| Washington .....                 | 79,586           | 13.8       | 62.1           | 1,988.0              | 40.1               | 21.5        | 67.6        |
| West Virginia .....              | 20,728           | 11.5       | 54.7           | 1,687.0              | 47.9               | 24.4        | 81.0        |
| Wisconsin .....                  | 68,208           | 13.0       | 59.3           | 1,902.5              | 35.7               | 20.1        | 59.2        |
| Wyoming .....                    | 6,129            | 12.8       | 60.8           | 1,938.5              | 40.4               | 22.0        | 68.2        |
| Puerto Rico .....                | 59,563           | 15.3       | 65.3           | 1,865.5              | 72.0               | 50.3        | 102.7       |
| Virgin Islands .....             | 1,671            | 14.0       | 64.3           | 1,957.5              | 55.2               | 32.0        | 89.9        |
| Guam .....                       | 4,021            | 26.5       | 129.2          | 3,898.5              | 96.6               | 54.9        | 163.3       |
| American Samoa .....             | 1,736            | 27.2       | 125.1          | 3,746.0              | 46.4               | 21.6        | 86.3        |
| Northern Marianas .....          | 1,381            | 20.0       | 58.9           | 1,665.5              | 62.0               | 50.5        | 76.4        |

<sup>1</sup> Excludes data for the territories.

**Table 11. Live births by race of mother: United States, each State and territory, 1999**

[By place of residence]

| State                            | Number    |           |         |                              |                           |
|----------------------------------|-----------|-----------|---------|------------------------------|---------------------------|
|                                  | All races | White     | Black   | American Indian <sup>1</sup> | Asian or Pacific Islander |
| United States <sup>2</sup> ..... | 3,959,417 | 3,132,501 | 605,970 | 40,170                       | 180,776                   |
| Alabama .....                    | 62,122    | 41,747    | 19,753  | 158                          | 464                       |
| Alaska .....                     | 9,950     | 6,565     | 441     | 2,474                        | 470                       |
| Arizona .....                    | 81,145    | 70,946    | 2,729   | 5,583                        | 1,887                     |
| Arkansas .....                   | 36,729    | 28,421    | 7,680   | 236                          | 392                       |
| California .....                 | 518,508   | 421,541   | 35,403  | 3,243                        | 58,321                    |
| Colorado .....                   | 62,167    | 56,711    | 2,899   | 647                          | 1,910                     |
| Connecticut .....                | 43,310    | 36,277    | 5,383   | 78                           | 1,572                     |
| Delaware .....                   | 10,676    | 7,696     | 2,671   | 32                           | 277                       |
| District of Columbia .....       | 7,522     | 2,200     | 5,167   | 6                            | 149                       |
| Florida .....                    | 197,023   | 146,696   | 45,078  | 850                          | 4,399                     |
| Georgia .....                    | 126,717   | 81,297    | 42,133  | 219                          | 3,068                     |
| Hawaii .....                     | 17,038    | 3,999     | 460     | 203                          | 12,376                    |
| Idaho .....                      | 19,872    | 19,212    | 78      | 299                          | 283                       |
| Illinois .....                   | 182,068   | 140,267   | 34,239  | 214                          | 7,348                     |
| Indiana .....                    | 86,031    | 75,534    | 9,300   | 112                          | 1,085                     |
| Iowa .....                       | 37,558    | 35,363    | 1,164   | 208                          | 823                       |
| Kansas .....                     | 38,782    | 34,611    | 2,855   | 367                          | 949                       |
| Kentucky .....                   | 54,403    | 48,791    | 4,977   | 101                          | 534                       |
| Louisiana .....                  | 67,136    | 38,587    | 27,267  | 325                          | 957                       |
| Maine .....                      | 13,616    | 13,242    | 106     | 99                           | 169                       |
| Maryland .....                   | 71,967    | 44,385    | 24,260  | 194                          | 3,128                     |
| Massachusetts .....              | 80,939    | 68,328    | 8,168   | 151                          | 4,292                     |
| Michigan .....                   | 133,607   | 105,354   | 24,044  | 700                          | 3,509                     |
| Minnesota .....                  | 65,970    | 57,518    | 4,016   | 1,174                        | 3,262                     |
| Mississippi .....                | 42,684    | 22,665    | 19,406  | 224                          | 389                       |
| Missouri .....                   | 75,432    | 62,592    | 11,273  | 332                          | 1,235                     |
| Montana .....                    | 10,785    | 9,376     | 35      | 1,278                        | 96                        |
| Nebraska .....                   | 23,907    | 21,685    | 1,268   | 467                          | 487                       |
| Nevada .....                     | 29,362    | 25,036    | 2,194   | 431                          | 1,701                     |
| New Hampshire .....              | 14,041    | 13,628    | 139     | 27                           | 247                       |
| New Jersey .....                 | 114,105   | 84,444    | 21,133  | 187                          | 8,341                     |
| New Mexico .....                 | 27,191    | 22,864    | 497     | 3,460                        | 370                       |
| New York .....                   | 255,612   | 183,874   | 53,381  | 687                          | 17,670                    |
| North Carolina .....             | 113,795   | 81,236    | 28,428  | 1,679                        | 2,452                     |
| North Dakota .....               | 7,639     | 6,743     | 87      | 730                          | 79                        |
| Ohio .....                       | 152,584   | 127,733   | 22,087  | 281                          | 2,483                     |
| Oklahoma .....                   | 49,010    | 38,684    | 4,629   | 4,836                        | 861                       |
| Oregon .....                     | 45,204    | 41,417    | 904     | 704                          | 2,179                     |
| Pennsylvania .....               | 145,347   | 121,104   | 20,363  | 354                          | 3,526                     |
| Rhode Island .....               | 12,366    | 10,787    | 984     | 152                          | 443                       |
| South Carolina .....             | 54,948    | 34,985    | 19,069  | 159                          | 735                       |
| South Dakota .....               | 10,524    | 8,671     | 89      | 1,663                        | 101                       |
| Tennessee .....                  | 77,803    | 60,004    | 16,498  | 142                          | 1,159                     |
| Texas .....                      | 349,245   | 298,081   | 40,097  | 801                          | 10,266                    |
| Utah .....                       | 46,290    | 44,040    | 265     | 619                          | 1,366                     |
| Vermont .....                    | 6,567     | 6,473     | 40      | 9                            | 45                        |
| Virginia .....                   | 95,469    | 68,509    | 22,173  | 150                          | 4,637                     |
| Washington .....                 | 79,586    | 68,273    | 3,331   | 1,875                        | 6,107                     |
| West Virginia .....              | 20,728    | 19,799    | 752     | 11                           | 166                       |
| Wisconsin .....                  | 68,208    | 58,770    | 6,505   | 971                          | 1,962                     |
| Wyoming .....                    | 6,129     | 5,740     | 72      | 268                          | 49                        |
| Puerto Rico .....                | 59,563    | 54,548    | 5,003   | ---                          | ---                       |
| Virgin Islands .....             | 1,671     | 313       | 1,288   | 65                           | 5                         |
| Guam .....                       | 4,021     | 320       | 49      | 2                            | 3,650                     |
| American Samoa .....             | 1,736     | 6         | -       | -                            | 1,730                     |
| Northern Marianas .....          | 1,381     | 30        | -       | -                            | 1,351                     |

- Quantity zero.

--- Data not available.

<sup>1</sup> Includes births to Aleuts and Eskimos.<sup>2</sup> Excludes data for the territories.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each State and territory, 1999**

[By place of residence]

| State                      | All origins | Origin of mother |         |              |        |                            |                            |                    |           |         | Not stated |
|----------------------------|-------------|------------------|---------|--------------|--------|----------------------------|----------------------------|--------------------|-----------|---------|------------|
|                            |             | Hispanic         |         |              |        |                            |                            | Non-Hispanic       |           |         |            |
|                            |             | Total            | Mexican | Puerto Rican | Cuban  | Central and South American | Other and unknown Hispanic | Total <sup>1</sup> | White     | Black   |            |
| United States <sup>2</sup> | 3,959,417   | 764,339          | 540,674 | 57,138       | 13,088 | 103,307                    | 50,132                     | 3,147,580          | 2,346,450 | 588,981 | 47,498     |
| Alabama                    | 62,122      | 1,588            | 1,129   | 97           | 20     | 114                        | 228                        | 60,499             | 40,190    | 19,719  | 35         |
| Alaska                     | 9,950       | 594              | 257     | 43           | 9      | 44                         | 241                        | 9,305              | 6,066     | 427     | 51         |
| Arizona                    | 81,145      | 32,011           | 30,605  | 216          | 43     | 557                        | 590                        | 48,050             | 38,853    | 2,600   | 1,084      |
| Arkansas                   | 36,729      | 1,968            | 1,702   | 18           | 2      | 214                        | 32                         | 34,725             | 26,448    | 7,666   | 36         |
| California                 | 518,508     | 249,364          | 217,450 | 2,019        | 686    | 24,708                     | 4,501                      | 266,240            | 172,336   | 34,250  | 2,904      |
| Colorado                   | 62,167      | 16,282           | 11,504  | 219          | 29     | 514                        | 4,016                      | 45,842             | 40,705    | 2,793   | 43         |
| Connecticut                | 43,310      | 6,323            | 505     | 4,141        | 85     | 1,366                      | 226                        | 34,770             | 28,226    | 4,993   | 2,217      |
| Delaware                   | 10,676      | 857              | 390     | 306          | 4      | 151                        | 6                          | 9,813              | 6,863     | 2,643   | 6          |
| District of Columbia       | 7,522       | 790              | 57      | 6            | 2      | 676                        | 49                         | 6,680              | 1,411     | 5,116   | 52         |
| Florida                    | 197,023     | 41,484           | 9,386   | 7,851        | 9,120  | 13,883                     | 1,244                      | 155,375            | 106,383   | 44,083  | 164        |
| Georgia                    | 126,717     | 10,557           | 8,331   | 500          | 129    | 1,403                      | 194                        | 114,645            | 70,016    | 41,532  | 1,515      |
| Hawaii                     | 17,038      | 2,210            | 439     | 672          | 14     | 68                         | 1,017                      | 14,803             | 3,340     | 425     | 25         |
| Idaho                      | 19,872      | 2,356            | 2,059   | 21           | 7      | 57                         | 212                        | 17,443             | 16,810    | 74      | 73         |
| Illinois                   | 182,068     | 36,959           | 31,145  | 2,796        | 203    | 1,090                      | 1,725                      | 145,011            | 103,430   | 34,023  | 98         |
| Indiana                    | 86,031      | 4,365            | 3,496   | 288          | 21     | 301                        | 259                        | 81,316             | 70,896    | 9,262   | 350        |
| Iowa                       | 37,558      | 1,844            | 1,502   | 45           | 7      | 193                        | 97                         | 35,350             | 33,261    | 1,116   | 364        |
| Kansas                     | 38,782      | 4,272            | 3,558   | 75           | 24     | 195                        | 420                        | 34,142             | 30,030    | 2,823   | 368        |
| Kentucky                   | 54,403      | 951              | 646     | 97           | 37     | 136                        | 35                         | 53,403             | 47,837    | 4,948   | 49         |
| Louisiana                  | 67,136      | 1,538            | 616     | 107          | 68     | 170                        | 577                        | 65,191             | 36,936    | 27,036  | 407        |
| Maine                      | 13,616      | 135              | 22      | 19           | 2      | 24                         | 68                         | 12,787             | 12,449    | 86      | 694        |
| Maryland                   | 71,967      | 4,088            | 725     | 319          | 49     | 2,238                      | 757                        | 67,561             | 40,400    | 24,048  | 318        |
| Massachusetts              | 80,939      | 8,797            | 335     | 4,385        | 80     | 3,640                      | 357                        | 71,692             | 60,744    | 6,548   | 450        |
| Michigan                   | 133,607     | 6,230            | 4,854   | 437          | 75     | 337                        | 527                        | 119,462            | 91,860    | 23,692  | 7,915      |
| Minnesota                  | 65,970      | 3,316            | 2,593   | 90           | 19     | 401                        | 213                        | 59,199             | 50,952    | 3,921   | 3,455      |
| Mississippi                | 42,684      | 451              | 235     | 27           | 7      | 27                         | 155                        | 42,175             | 22,171    | 19,398  | 58         |
| Missouri                   | 75,432      | 2,260            | 1,699   | 92           | 23     | 268                        | 178                        | 73,113             | 60,350    | 11,231  | 59         |
| Montana                    | 10,785      | 318              | 167     | 11           | 5      | 11                         | 124                        | 10,320             | 8,954     | 32      | 147        |
| Nebraska                   | 23,907      | 2,293            | 1,809   | 25           | 8      | 245                        | 206                        | 21,044             | 18,851    | 1,257   | 570        |
| Nevada                     | 29,362      | 9,268            | 7,593   | 183          | 149    | 845                        | 498                        | 19,690             | 15,575    | 2,117   | 404        |
| New Hampshire              | 14,041      | 357              | 79      | 105          | 7      | 104                        | 62                         | 13,140             | 12,753    | 121     | 544        |
| New Jersey                 | 114,105     | 21,313           | 3,148   | 7,022        | 869    | 9,948                      | 326                        | 92,339             | 64,762    | 19,151  | 453        |
| New Mexico                 | 27,191      | 13,827           | 4,558   | 56           | 30     | 118                        | 9,065                      | 13,356             | 9,168     | 465     | 8          |
| New York                   | 255,612     | 53,004           | 6,858   | 14,604       | 410    | 21,617                     | 9,515                      | 190,103            | 124,484   | 47,512  | 12,505     |
| North Carolina             | 113,795     | 9,871            | 7,413   | 594          | 114    | 1,657                      | 93                         | 103,880            | 71,496    | 28,286  | 44         |
| North Dakota               | 7,639       | 121              | 76      | 5            | 2      | 7                          | 31                         | 7,260              | 6,463     | 84      | 258        |
| Ohio                       | 152,584     | 3,422            | 1,703   | 1,122        | 45     | 363                        | 189                        | 148,495            | 124,221   | 21,572  | 667        |
| Oklahoma                   | 49,010      | 3,919            | 3,039   | 114          | 11     | 241                        | 514                        | 44,123             | 34,159    | 4,466   | 968        |
| Oregon                     | 45,204      | 6,904            | 6,426   | 73           | 31     | 269                        | 105                        | 37,920             | 34,247    | 878     | 380        |
| Pennsylvania               | 145,347     | 7,161            | 1,031   | 4,793        | 97     | 506                        | 734                        | 137,469            | 113,655   | 20,000  | 717        |
| Rhode Island               | 12,366      | 1,893            | 113     | 596          | 12     | 1,045                      | 127                        | 8,763              | 7,362     | 856     | 1,710      |
| South Carolina             | 54,948      | 1,720            | 1,171   | 167          | 27     | 259                        | 96                         | 53,160             | 33,315    | 19,030  | 68         |
| South Dakota               | 10,524      | 179              | 119     | 7            | 3      | 36                         | 14                         | 10,337             | 8,505     | 88      | 8          |
| Tennessee                  | 77,803      | 2,432            | 1,799   | 140          | 36     | 347                        | 110                        | 75,334             | 57,589    | 16,471  | 37         |
| Texas                      | 349,245     | 157,736          | 139,983 | 1,046        | 297    | 7,793                      | 8,617                      | 190,264            | 139,861   | 39,515  | 1,245      |
| Utah                       | 46,290      | 5,425            | 4,370   | 92           | 8      | 498                        | 457                        | 40,754             | 38,551    | 254     | 111        |
| Vermont                    | 6,567       | 40               | 8       | 12           | 2      | 4                          | 14                         | 6,384              | 6,297     | 35      | 143        |
| Virginia                   | 95,469      | 6,520            | 1,457   | 575          | 80     | 4,014                      | 394                        | 88,764             | 62,054    | 22,034  | 185        |
| Washington                 | 79,586      | 10,359           | 8,930   | 288          | 49     | 410                        | 682                        | 65,747             | 55,433    | 3,043   | 3,480      |
| West Virginia              | 20,728      | 96               | 36      | 14           | 4      | 17                         | 25                         | 20,597             | 19,679    | 746     | 35         |
| Wisconsin                  | 68,208      | 4,041            | 3,115   | 603          | 26     | 171                        | 126                        | 64,149             | 54,828    | 6,446   | 18         |
| Wyoming                    | 6,129       | 530              | 433     | 5            | 1      | 7                          | 84                         | 5,596              | 5,225     | 69      | 3          |
| Puerto Rico                | 59,563      | ---              | ---     | ---          | ---    | ---                        | ---                        | ---                | ---       | ---     | 59,563     |
| Virgin Islands             | 1,671       | 300              | 10      | 226          | 2      | -                          | 62                         | 1,297              | 98        | 1,142   | 74         |
| Guam                       | 4,021       | 46               | 26      | 11           | -      | 1                          | 8                          | 3,928              | 286       | 48      | 47         |
| American Samoa             | 1,736       | ---              | ---     | ---          | ---    | ---                        | ---                        | ---                | ---       | ---     | 1,736      |
| Northern Marianas          | 1,381       | ---              | ---     | ---          | ---    | ---                        | ---                        | ---                | ---       | ---     | 1,381      |

- Quantity zero.

--- Data not available.

<sup>1</sup> Includes races other than white and black.<sup>2</sup> Excludes data for the territories.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 13. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by detailed race of mother and place of birth of mother: United States, 1999**

| Characteristic                                      | All races | White     | Black   | American Indian <sup>1</sup> | Asian or Pacific Islander |         |          |          |          |         |
|---|-----------|-----------|---------|------------------------------|---------------------------|---------|----------|----------|----------|---------|
|   |           |           |         |                              | Total                     | Chinese | Japanese | Hawaiian | Filipino | Other   |
| Number  |           |           |         |                              |                           |         |          |          |          |         |
| Births .....  | 3,959,417 | 3,132,501 | 605,970 | 40,170                       | 180,776                   | 28,853  | 8,722    | 6,093    | 30,677   | 106,431 |
| Rate  |           |           |         |                              |                           |         |          |          |          |         |
| Birth rate <sup>2</sup> .....                       | 14.5      | 13.9      | 17.4    | 16.8                         | 16.7                      | ---     | ---      | ---      | ---      | ---     |
| Fertility rate <sup>3</sup> .....                   | 65.9      | 65.1      | 70.1    | 69.7                         | 65.6                      | ---     | ---      | ---      | ---      | ---     |
| Total fertility rate <sup>4</sup> .....             | 2,075.0   | 2,065.0   | 2,146.5 | 2,056.5                      | 1,927.0                   | ---     | ---      | ---      | ---      | ---     |
| Sex ratio <sup>5</sup> .....                        | 1,049     | 1,052     | 1,031   | 1,029                        | 1,064                     | 1,075   | 1,063    | 1,047    | 1,069    | 1,062   |
| Percent   |           |           |         |                              |                           |         |          |          |          |         |
| All births  |           |           |         |                              |                           |         |          |          |          |         |
| Births to mothers under 20 years .....              | 12.3      | 10.9      | 20.7    | 20.2                         | 5.1                       | 0.9     | 2.1      | 18.2     | 5.9      | 5.5     |
| 4th- and higher-order births .....                  | 10.5      | 9.7       | 14.9    | 19.1                         | 7.2                       | 2.3     | 3.9      | 14.3     | 7.2      | 8.4     |
| Births to unmarried mothers .....                   | 33.0      | 26.8      | 68.9    | 58.9                         | 15.4                      | 6.9     | 9.9      | 50.4     | 21.1     | 14.5    |
| Mothers completing 12 years or more of school ..... | 78.3      | 78.7      | 74.0    | 67.8                         | 87.6                      | 88.0    | 98.0     | 83.2     | 93.7     | 85.2    |
| Mothers born in the 50 States and DC .....          | 79.8      | 81.5      | 88.6    | 96.0                         | 16.7                      | 9.7     | 41.3     | 97.8     | 20.1     | 10.9    |
| Mothers born in the 50 States and DC                |           |           |         |                              |                           |         |          |          |          |         |
| Births to mothers under 20 years .....              | 13.3      | 11.2      | 22.4    | 20.7                         | 16.0                      | 4.2     | 4.5      | 18.3     | 15.8     | 21.5    |
| 4th- and higher-order births .....                  | 10.0      | 8.8       | 15.0    | 19.4                         | 7.6                       | 3.8     | 4.7      | 14.2     | 7.2      | 6.2     |
| Births to unmarried mothers .....                   | 34.0      | 25.6      | 72.1    | 60.1                         | 33.8                      | 11.3    | 17.6     | 50.7     | 39.6     | 32.5    |
| Mothers completing 12 years or more of school ..... | 82.6      | 84.8      | 73.0    | 67.8                         | 87.1                      | 96.1    | 96.6     | 83.3     | 88.9     | 83.0    |
| Mothers born outside the 50 States and DC           |           |           |         |                              |                           |         |          |          |          |         |
| Births to mothers under 20 years .....              | 8.1       | 9.6       | 6.6     | 7.1                          | 2.9                       | 0.5     | 0.5      | *        | 3.4      | 3.6     |
| 4th- and higher-order births .....                  | 12.6      | 13.9      | 13.2    | 11.3                         | 7.1                       | 2.2     | 3.4      | 20.8     | 7.1      | 8.6     |
| Births to unmarried mothers .....                   | 29.2      | 32.1      | 43.3    | 29.1                         | 11.7                      | 6.4     | 4.5      | 37.4     | 16.4     | 12.3    |
| Mothers completing 12 years or more of school ..... | 60.9      | 51.5      | 81.8    | 67.9                         | 87.7                      | 87.1    | 99.1     | 76.2     | 94.9     | 85.4    |

--- Data not available.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes births to Aleuts and Eskimos.<sup>2</sup> Birth rate per 1,000 population.<sup>3</sup> Fertility rate per 1,000 women aged 15-44 years.<sup>4</sup> Rates are sums of birth rates for 5-year age groups multiplied by 5.<sup>5</sup> Male live births per 1,000 female live births.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 14. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1999**

| Characteristic                                      | All origins <sup>1</sup> | Hispanic |         |              |         |                            |                            | Non-Hispanic       |           |         |
|---|--------------------------|----------|---------|--------------|---------|----------------------------|----------------------------|--------------------|-----------|---------|
|   |                          | Total    | Mexican | Puerto Rican | Cuban   | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White     | Black   |
| Number  |                          |          |         |              |         |                            |                            |                    |           |         |
| Births .....  | 3,959,417                | 764,339  | 540,674 | 57,138       | 13,088  | 103,307                    | 50,132                     | 3,147,580          | 2,346,450 | 588,981 |
| Rate  |                          |          |         |              |         |                            |                            |                    |           |         |
| Birth rate <sup>3</sup> .....                       | 14.5                     | 24.4     | 26.4    | 19.4         | 9.7     | <sup>7</sup> 23.4          |                            | 13.2               | 12.2      | 17.9    |
| Fertility rate <sup>4</sup> .....                   | 65.9                     | 102.0    | 111.6   | 77.7         | 51.2    | <sup>7</sup> 92.6          |                            | 60.7               | 57.8      | 72.2    |
| Total fertility rate <sup>5</sup> .....             | 2,075.0                  | 2,985.0  | 3,181.5 | 2,378.0      | 1,563.0 | <sup>7</sup> 2,836.5       |                            | 1,929.5            | 1,850.0   | 2,212.5 |
| Sex ratio <sup>6</sup> .....                        | 1,049                    | 1,041    | 1,040   | 1,031        | 1,038   | 1,054                      | 1,037                      | 1,051              | 1,055     | 1,032   |
| Percent   |                          |          |         |              |         |                            |                            |                    |           |         |
| All births  |                          |          |         |              |         |                            |                            |                    |           |         |
| Births to mothers under 20 years ....               | 12.3                     | 16.7     | 17.4    | 21.1         | 7.7     | 10.0                       | 19.5                       | 11.2               | 9.2       | 20.7    |
| 4th- and higher-order births .....                  | 10.5                     | 13.5     | 14.6    | 11.9         | 5.3     | 11.2                       | 10.6                       | 9.8                | 8.5       | 14.9    |
| Births to unmarried mothers .....                   | 33.0                     | 42.2     | 40.1    | 59.6         | 26.4    | 43.7                       | 45.8                       | 30.9               | 22.1      | 69.1    |
| Mothers completing 12 years or more of school ..... | 78.3                     | 50.9     | 44.8    | 65.6         | 87.7    | 62.1                       | 67.5                       | 84.8               | 87.4      | 74.1    |
| Mothers born in the 50 States and DC .....          | 79.8                     | 39.2     | 38.7    | 64.6         | 41.4    | 10.4                       | 74.6                       | 89.5               | 94.8      | 89.9    |
| Mothers born in the 50 States and DC                |                          |          |         |              |         |                            |                            |                    |           |         |
| Births to mothers under 20 years ....               | 13.3                     | 25.0     | 26.2    | 23.1         | 13.4    | 21.1                       | 22.8                       | 12.1               | 9.5       | 22.4    |
| 4th- and higher-order births .....                  | 10.0                     | 11.2     | 11.8    | 11.0         | 5.3     | 5.0                        | 10.5                       | 9.8                | 8.5       | 15.1    |
| Births to unmarried mothers .....                   | 34.0                     | 48.0     | 46.3    | 62.1         | 27.2    | 45.3                       | 47.4                       | 32.5               | 22.7      | 72.2    |
| Mothers completing 12 years or more of school ..... | 82.6                     | 65.5     | 63.5    | 65.8         | 87.0    | 79.3                       | 69.2                       | 84.4               | 87.3      | 73.1    |
| Mothers born outside the 50 States and DC           |                          |          |         |              |         |                            |                            |                    |           |         |
| Births to mothers under 20 years ....               | 8.1                      | 11.3     | 11.9    | 17.5         | 3.7     | 8.7                        | 9.4                        | 3.7                | 3.5       | 6.1     |
| 4th- and higher-order births .....                  | 12.6                     | 15.0     | 16.3    | 13.5         | 5.2     | 11.9                       | 10.8                       | 9.1                | 9.5       | 13.6    |
| Births to unmarried mothers .....                   | 29.2                     | 38.3     | 36.1    | 54.9         | 25.9    | 43.6                       | 39.9                       | 16.6               | 10.6      | 41.0    |
| Mothers completing 12 years or more of school ..... | 60.9                     | 41.4     | 32.9    | 65.3         | 88.2    | 60.1                       | 62.7                       | 88.0               | 90.3      | 84.0    |

<sup>1</sup> Includes origin not stated.<sup>2</sup> Includes races other than white and black.<sup>3</sup> Birth rate per 1,000 population.<sup>4</sup> Fertility rate per 1,000 women aged 15-44 years.<sup>5</sup> Rates are sums of birth rates for 5-year age groups multiplied by 5.<sup>6</sup> Male live births per 1,000 female live births.<sup>7</sup> Includes Central and South American and other and unknown Hispanic.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 1999**

[Rates on an annual basis per 1,000 population for specified month. Birth rates are live births per 1,000 total population. Fertility rates are live births per 1,000 women aged 15-44 years]

| Month           | Number                 |           |         | Observed   |                | Seasonally adjusted <sup>1</sup> |                |
|-----------------|------------------------|-----------|---------|------------|----------------|----------------------------------|----------------|
|                 | All races <sup>2</sup> | White     | Black   | Birth rate | Fertility rate | Birth rate                       | Fertility rate |
| Total .....     | 3,959,417              | 3,132,501 | 605,970 | 14.5       | 65.9           | ...                              | ...            |
| January .....   | 319,182                | 249,763   | 51,703  | 13.8       | 62.5           | 14.5                             | 65.3           |
| February .....  | 297,568                | 234,996   | 46,119  | 14.3       | 64.6           | 14.5                             | 65.6           |
| March .....     | 332,939                | 264,758   | 49,704  | 14.4       | 65.2           | 14.7                             | 66.9           |
| April .....     | 316,889                | 253,265   | 45,896  | 14.2       | 64.2           | 14.4                             | 65.2           |
| May .....       | 328,526                | 262,086   | 48,059  | 14.2       | 64.4           | 14.3                             | 65.0           |
| June .....      | 332,201                | 264,732   | 49,122  | 14.8       | 67.3           | 14.6                             | 66.3           |
| July .....      | 349,812                | 277,492   | 53,190  | 15.1       | 68.5           | 14.5                             | 65.5           |
| August .....    | 351,371                | 278,200   | 54,025  | 15.2       | 68.8           | 14.6                             | 66.3           |
| September ..... | 349,409                | 276,895   | 53,181  | 15.6       | 70.7           | 14.7                             | 66.9           |
| October .....   | 332,980                | 263,164   | 51,078  | 14.3       | 65.2           | 14.5                             | 65.7           |
| November .....  | 315,289                | 247,481   | 49,655  | 14.0       | 63.8           | 14.5                             | 66.1           |
| December .....  | 333,251                | 259,669   | 54,238  | 14.3       | 65.3           | 14.5                             | 65.8           |

... Category not applicable.

<sup>1</sup> The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

<sup>2</sup> Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 16. Live births by day of week and index of occurrence by method of delivery, day of week, and race of mother: United States, 1999**

| Day of week and race of mother | Average number of births | Index of occurrence <sup>1</sup> |                    |         |          |        |
|--------------------------------|--------------------------|----------------------------------|--------------------|---------|----------|--------|
|                                |                          | Total <sup>2</sup>               | Method of delivery |         |          | Repeat |
|                                |                          |                                  | Vaginal            | Total   | Cesarean |        |
|                                |                          |                                  |                    | Primary |          |        |
| All races <sup>3</sup> .....   | 10,848                   | 100.0                            | 100.0              | 100.0   | 100.0    | 100.0  |
| Sunday .....                   | 7,731                    | 71.3                             | 76.6               | 52.7    | 62.3     | 36.4   |
| Monday .....                   | 11,018                   | 101.6                            | 100.1              | 106.5   | 98.0     | 120.8  |
| Tuesday .....                  | 12,424                   | 114.5                            | 112.1              | 122.9   | 119.5    | 128.7  |
| Wednesday .....                | 12,183                   | 112.3                            | 110.4              | 118.9   | 116.8    | 122.4  |
| Thursday .....                 | 11,893                   | 109.6                            | 108.0              | 115.2   | 113.0    | 118.8  |
| Friday .....                   | 12,012                   | 110.7                            | 107.9              | 120.6   | 115.6    | 129.0  |
| Saturday .....                 | 8,654                    | 79.8                             | 84.6               | 63.0    | 74.6     | 43.5   |
| White .....                    | 8,582                    | 100.0                            | 100.0              | 100.0   | 100.0    | 100.0  |
| Sunday .....                   | 5,963                    | 69.5                             | 74.9               | 50.5    | 60.4     | 34.0   |
| Monday .....                   | 8,763                    | 102.1                            | 100.6              | 107.2   | 98.2     | 122.1  |
| Tuesday .....                  | 9,910                    | 115.5                            | 113.1              | 123.8   | 120.6    | 129.1  |
| Wednesday .....                | 9,711                    | 113.2                            | 111.2              | 119.8   | 117.7    | 123.3  |
| Thursday .....                 | 9,481                    | 110.5                            | 108.9              | 116.0   | 113.4    | 120.3  |
| Friday .....                   | 9,540                    | 111.2                            | 108.2              | 121.6   | 116.7    | 129.9  |
| Saturday .....                 | 6,691                    | 78.0                             | 82.9               | 60.8    | 72.7     | 41.0   |
| Black .....                    | 1,660                    | 100.0                            | 100.0              | 100.0   | 100.0    | 100.0  |
| Sunday .....                   | 1,288                    | 77.6                             | 82.7               | 60.9    | 69.9     | 45.5   |
| Monday .....                   | 1,643                    | 99.0                             | 97.4               | 103.9   | 96.6     | 116.3  |
| Tuesday .....                  | 1,854                    | 111.7                            | 109.1              | 120.0   | 115.7    | 127.3  |
| Wednesday .....                | 1,815                    | 109.3                            | 107.2              | 116.1   | 113.8    | 120.1  |
| Thursday .....                 | 1,776                    | 107.0                            | 105.4              | 112.2   | 111.7    | 112.9  |
| Friday .....                   | 1,809                    | 109.0                            | 107.1              | 115.5   | 110.9    | 123.3  |
| Saturday .....                 | 1,434                    | 86.4                             | 91.0               | 71.2    | 81.1     | 54.3   |

<sup>1</sup> Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

<sup>2</sup> Includes method of delivery not stated.

<sup>3</sup> Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.



**Table 17. Number, birth rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 1999**

| Measure and age of mother                                | All races <sup>1</sup> | White   |              | Black   |              | Hispanic <sup>2</sup> |
|--|------------------------|---------|--------------|---------|--------------|-----------------------|
|  |                        | Total   | Non-Hispanic | Total   | Non-Hispanic |                       |
| <b>Number</b>  |                        |         |              |         |              |                       |
| All ages .....   | 1,308,560              | 839,552 | 518,291      | 417,476 | 406,802      | 322,311               |
| Under 15 years .....                                     | 8,737                  | 4,457   | 1,954        | 3,958   | 3,871        | 2,542                 |
| 15-19 years .....  | 374,485                | 245,467 | 154,620      | 115,739 | 113,114      | 90,935                |
| 15 years .....   | 21,407                 | 12,821  | 6,409        | 7,812   | 7,648        | 6,470                 |
| 16 years .....   | 46,078                 | 29,623  | 16,465       | 14,747  | 14,390       | 13,237                |
| 17 years .....   | 75,906                 | 50,509  | 30,811       | 22,592  | 22,094       | 19,745                |
| 18 years .....   | 105,288                | 69,957  | 45,906       | 31,589  | 30,862       | 24,005                |
| 19 years .....   | 125,806                | 82,557  | 55,029       | 38,999  | 38,120       | 27,478                |
| 20-24 years .....  | 476,497                | 303,489 | 191,268      | 155,600 | 151,977      | 112,439               |
| 25-29 years .....  | 246,873                | 156,933 | 91,864       | 78,984  | 76,821       | 65,387                |
| 30-34 years .....  | 124,894                | 79,427  | 46,787       | 39,643  | 38,279       | 32,975                |
| 35-39 years .....  | 62,637                 | 40,308  | 25,592       | 19,362  | 18,711       | 14,768                |
| 40 years and over .....                                  | 14,437                 | 9,471   | 6,206        | 4,190   | 4,029        | 3,265                 |
| <b>Rate per 1,000 unmarried women in specified group</b> |                        |         |              |         |              |                       |
| 15-44 years <sup>3</sup> .....                           | 44.4                   | 38.1    | 27.9         | 71.5    | ---          | 93.4                  |
| 15-19 years .....  | 40.4                   | 33.7    | 25.5         | 78.4    | ---          | 73.8                  |
| 15-17 years .....  | 25.5                   | 21.0    | 14.6         | 51.5    | ---          | 52.4                  |
| 18-19 years .....  | 63.3                   | 53.3    | 42.3         | 117.9   | ---          | 107.6                 |
| 20-24 years .....  | 72.9                   | 61.4    | 46.0         | 130.3   | ---          | 143.3                 |
| 25-29 years .....  | 60.2                   | 53.4    | 37.0         | 89.6    | ---          | 143.6                 |
| 30-34 years .....  | 39.3                   | 35.8    | 25.0         | 50.3    | ---          | 93.3                  |
| 35-39 years .....  | 19.3                   | 17.5    | 13.0         | 24.7    | ---          | 44.1                  |
| 40-44 years <sup>4</sup> .....                           | 4.6                    | 4.1     | 3.1          | 5.9     | ---          | 11.3                  |
| <b>Percent of births to unmarried women</b>              |                        |         |              |         |              |                       |
| All ages .....   | 33.0                   | 26.8    | 22.1         | 68.9    | 69.1         | 42.2                  |
| Under 15 years .....                                     | 96.5                   | 94.0    | 95.4         | 99.5    | 99.5         | 93.3                  |
| 15-19 years .....  | 78.7                   | 72.6    | 72.6         | 95.5    | 95.6         | 72.9                  |
| 15 years .....   | 93.5                   | 90.3    | 92.0         | 99.3    | 99.4         | 88.8                  |
| 16 years .....   | 89.4                   | 85.5    | 87.2         | 98.7    | 98.7         | 83.6                  |
| 17 years .....   | 85.1                   | 80.5    | 81.8         | 97.8    | 97.8         | 78.6                  |
| 18 years .....   | 78.6                   | 72.7    | 73.7         | 95.9    | 96.0         | 71.0                  |
| 19 years .....   | 70.5                   | 63.5    | 63.2         | 92.2    | 92.3         | 64.4                  |
| 20-24 years .....  | 48.5                   | 40.6    | 37.2         | 80.5    | 80.7         | 48.6                  |
| 25-29 years .....  | 22.9                   | 18.0    | 13.8         | 56.9    | 57.0         | 32.1                  |
| 30-34 years .....  | 14.0                   | 10.7    | 7.8          | 43.3    | 43.3         | 25.1                  |
| 35-39 years .....  | 14.4                   | 11.3    | 8.7          | 41.0    | 40.9         | 25.4                  |
| 40 years and over .....                                  | 16.5                   | 13.4    | 10.7         | 42.0    | 41.9         | 27.3                  |

--- Data not available.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.<sup>3</sup> Birth rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.<sup>4</sup> Birth rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.

NOTES: For 48 States and the District of Columbia, marital status is reported on the birth certificate; for Michigan and New York, mother's marital status is inferred; see Technical notes. Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available.

**Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-99, and by age, race, and Hispanic origin of mother: United States, 1980-99**

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1]

| Year and race<br>and Hispanic origin | Age of Mother               |             |                |                |                |                |                |                |                             |
|--------------------------------------|-----------------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|                                      | 15-44<br>years <sup>1</sup> | 15-19 years |                |                | 20-24<br>years | 25-29<br>years | 30-34<br>years | 35-39<br>years | 40-44<br>years <sup>2</sup> |
|                                      |                             | Total       | 15-17<br>years | 18-19<br>years |                |                |                |                |                             |
| <b>All races<sup>3</sup></b>         |                             |             |                |                |                |                |                |                |                             |
| 1999 <sup>4</sup>                    | 44.4                        | 40.4        | 25.5           | 63.3           | 72.9           | 60.2           | 39.3           | 19.3           | 4.6                         |
| 1998 <sup>4</sup>                    | 44.3                        | 41.5        | 27.0           | 64.5           | 72.3           | 58.4           | 39.1           | 19.0           | 4.6                         |
| 1997 <sup>4</sup>                    | 44.0                        | 42.2        | 28.2           | 65.2           | 71.0           | 56.2           | 39.0           | 19.0           | 4.6                         |
| 1996 <sup>4</sup>                    | 44.8                        | 42.9        | 29.0           | 65.9           | 70.7           | 56.8           | 41.1           | 20.1           | 4.8                         |
| 1995 <sup>4</sup>                    | 45.1                        | 44.4        | 30.5           | 67.6           | 70.3           | 56.1           | 39.6           | 19.5           | 4.7                         |
| 1994 <sup>4</sup>                    | 46.9                        | 46.4        | 32.0           | 70.1           | 72.2           | 59.0           | 40.1           | 19.8           | 4.7                         |
| 1993 <sup>4</sup>                    | 45.3                        | 44.5        | 30.6           | 66.9           | 69.2           | 57.1           | 38.5           | 19.0           | 4.4                         |
| 1992 <sup>4</sup>                    | 45.2                        | 44.6        | 30.4           | 67.3           | 68.5           | 56.5           | 37.9           | 18.8           | 4.1                         |
| 1991 <sup>4</sup>                    | 45.2                        | 44.8        | 30.9           | 65.7           | 68.0           | 56.5           | 38.1           | 18.0           | 3.8                         |
| 1990 <sup>4</sup>                    | 43.8                        | 42.5        | 29.6           | 60.7           | 65.1           | 56.0           | 37.6           | 17.3           | 3.6                         |
| 1989 <sup>4</sup>                    | 41.6                        | 40.1        | 28.7           | 56.0           | 61.2           | 52.8           | 34.9           | 16.0           | 3.4                         |
| 1988 <sup>4</sup>                    | 38.5                        | 36.4        | 26.4           | 51.5           | 56.0           | 48.5           | 32.0           | 15.0           | 3.2                         |
| 1987 <sup>4</sup>                    | 36.0                        | 33.8        | 24.5           | 48.9           | 52.6           | 44.5           | 29.6           | 13.5           | 2.9                         |
| 1986 <sup>4</sup>                    | 34.2                        | 32.3        | 22.8           | 48.0           | 49.3           | 42.2           | 27.2           | 12.2           | 2.7                         |
| 1985 <sup>4</sup>                    | 32.8                        | 31.4        | 22.4           | 45.9           | 46.5           | 39.9           | 25.2           | 11.6           | 2.5                         |
| 1984 <sup>4,5</sup>                  | 31.0                        | 30.0        | 21.9           | 42.5           | 43.0           | 37.1           | 23.3           | 10.9           | 2.5                         |
| 1983 <sup>4,5</sup>                  | 30.3                        | 29.5        | 22.0           | 40.7           | 41.8           | 35.5           | 22.4           | 10.2           | 2.6                         |
| 1982 <sup>4,5</sup>                  | 30.0                        | 28.7        | 21.5           | 39.6           | 41.5           | 35.1           | 21.9           | 10.0           | 2.7                         |
| 1981 <sup>4,5</sup>                  | 29.5                        | 27.9        | 20.9           | 39.0           | 41.1           | 34.5           | 20.8           | 9.8            | 2.6                         |
| 1980 <sup>4,5</sup>                  | 29.4                        | 27.6        | 20.6           | 39.0           | 40.9           | 34.0           | 21.1           | 9.7            | 2.6                         |
| 1980 <sup>5,6</sup>                  | 28.4                        | 27.5        | 20.7           | 38.7           | 39.7           | 31.4           | 18.5           | 8.4            | 2.3                         |
| 1975 <sup>5,6</sup>                  | 24.5                        | 23.9        | 19.3           | 32.5           | 31.2           | 27.5           | 17.9           | 9.1            | 2.6                         |
| 1970 <sup>6,7</sup>                  | 26.4                        | 22.4        | 17.1           | 32.9           | 38.4           | 37.0           | 27.1           | 13.6           | 3.5                         |
| <b>White, total</b>                  |                             |             |                |                |                |                |                |                |                             |
| 1999 <sup>4</sup>                    | 38.1                        | 33.7        | 21.0           | 53.3           | 61.4           | 53.4           | 35.8           | 17.5           | 4.1                         |
| 1998 <sup>4</sup>                    | 37.5                        | 34.0        | 21.8           | 53.5           | 60.5           | 50.9           | 34.9           | 17.0           | 4.0                         |
| 1997 <sup>4</sup>                    | 37.0                        | 34.2        | 22.4           | 53.6           | 59.2           | 49.3           | 34.4           | 16.7           | 3.9                         |
| 1996 <sup>4</sup>                    | 37.6                        | 34.5        | 22.7           | 54.1           | 59.0           | 49.9           | 36.1           | 17.8           | 4.3                         |
| 1995 <sup>4</sup>                    | 37.5                        | 35.5        | 23.6           | 55.4           | 58.0           | 48.7           | 34.2           | 16.9           | 4.2                         |
| 1994 <sup>4</sup>                    | 38.3                        | 36.2        | 24.1           | 56.4           | 58.1           | 49.7           | 34.2           | 17.3           | 4.3                         |
| 1993 <sup>4</sup>                    | 35.9                        | 33.6        | 22.1           | 52.4           | 54.2           | 46.7           | 32.2           | 16.4           | 3.9                         |
| 1992 <sup>4</sup>                    | 35.2                        | 33.0        | 21.6           | 51.5           | 52.7           | 45.4           | 31.5           | 16.2           | 3.6                         |
| 1991 <sup>4</sup>                    | 34.6                        | 32.8        | 21.8           | 49.6           | 51.5           | 44.6           | 31.1           | 15.2           | 3.2                         |
| 1990 <sup>4</sup>                    | 32.9                        | 30.6        | 20.4           | 44.9           | 48.2           | 43.0           | 29.9           | 14.5           | 3.2                         |
| 1989 <sup>4</sup>                    | 30.2                        | 28.0        | 19.3           | 40.2           | 43.8           | 39.1           | 26.8           | 13.1           | 2.9                         |
| 1988 <sup>4</sup>                    | 27.4                        | 25.3        | 17.6           | 36.8           | 39.2           | 35.4           | 24.2           | 12.1           | 2.7                         |
| 1987 <sup>4</sup>                    | 25.3                        | 23.2        | 16.2           | 34.5           | 36.6           | 32.0           | 22.3           | 10.7           | 2.4                         |
| 1986 <sup>4</sup>                    | 23.9                        | 21.8        | 14.9           | 33.5           | 34.2           | 30.5           | 20.1           | 9.7            | 2.2                         |
| 1985 <sup>4</sup>                    | 22.5                        | 20.8        | 14.5           | 31.2           | 31.7           | 28.5           | 18.4           | 9.0            | 2.0                         |
| 1984 <sup>4,5</sup>                  | 20.6                        | 19.3        | 13.7           | 27.9           | 28.5           | 25.5           | 16.8           | 8.4            | 2.0                         |
| 1983 <sup>4,5</sup>                  | 19.8                        | 18.7        | 13.6           | 26.4           | 27.1           | 23.8           | 15.9           | 7.8            | 2.0                         |
| 1982 <sup>4,5</sup>                  | 19.3                        | 18.0        | 13.1           | 25.3           | 26.5           | 23.1           | 15.3           | 7.4            | 2.1                         |
| 1981 <sup>4,5</sup>                  | 18.6                        | 17.2        | 12.6           | 24.6           | 25.8           | 22.3           | 14.2           | 7.2            | 1.9                         |
| 1980 <sup>4,5</sup>                  | 18.1                        | 16.5        | 12.0           | 24.1           | 25.1           | 21.5           | 14.1           | 7.1            | 1.8                         |
| <b>White, non-Hispanic</b>           |                             |             |                |                |                |                |                |                |                             |
| 1999 <sup>4</sup>                    | 27.9                        | 25.5        | 14.6           | 42.3           | 46.0           | 37.0           | 25.0           | 13.0           | 3.1                         |
| 1998 <sup>4</sup>                    | 28.0                        | 26.1        | 15.6           | 42.8           | 46.0           | 36.1           | 25.2           | 13.1           | 3.0                         |
| 1997 <sup>4</sup>                    | 27.6                        | 26.4        | 16.2           | 43.1           | 44.8           | 35.2           | 25.1           | 12.7           | 2.9                         |
| 1996 <sup>4</sup>                    | 28.3                        | 27.0        | 16.9           | 43.8           | 44.5           | 35.7           | 26.6           | 13.9           | 3.3                         |
| 1995 <sup>4</sup>                    | 28.2                        | 27.7        | 17.6           | 44.5           | 43.8           | 34.9           | 25.3           | 13.0           | 3.2                         |
| 1994 <sup>4</sup>                    | 28.5                        | 28.1        | 18.0           | 45.0           | 43.8           | 35.0           | 24.8           | 12.9           | 3.1                         |
| 1993 <sup>4</sup>                    | ---                         | ---         | ---            | ---            | ---            | ---            | ---            | ---            | ---                         |
| 1992 <sup>4</sup>                    | ---                         | ---         | ---            | ---            | ---            | ---            | ---            | ---            | ---                         |
| 1991 <sup>4</sup>                    | ---                         | ---         | ---            | ---            | ---            | ---            | ---            | ---            | ---                         |
| 1990 <sup>4,8</sup>                  | 24.4                        | 25.0        | 16.2           | 37.0           | 36.4           | 30.3           | 20.5           | 6.1            | ---                         |

See footnotes at end of table.

**Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-99, and by age, race, and Hispanic origin of mother: United States, 1980-99 --Con.**

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1]

| Year and race<br>and Hispanic origin | Age of Mother               |             |                |                |                |                |                |                |                             |
|--------------------------------------|-----------------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|                                      | 15-44<br>years <sup>1</sup> | 15-19 years |                |                | 20-24<br>years | 25-29<br>years | 30-34<br>years | 35-39<br>years | 40-44<br>years <sup>2</sup> |
|                                      |                             | Total       | 15-17<br>years | 18-19<br>years |                |                |                |                |                             |
| <b>Black, total</b>                  |                             |             |                |                |                |                |                |                |                             |
| 1999 <sup>4</sup>                    | 71.5                        | 78.4        | 51.5           | 117.9          | 130.3          | 89.6           | 50.3           | 24.7           | 5.9                         |
| 1998 <sup>4</sup>                    | 73.3                        | 83.4        | 56.5           | 123.5          | 131.0          | 90.3           | 51.7           | 24.7           | 6.1                         |
| 1997 <sup>4</sup>                    | 73.4                        | 86.4        | 60.6           | 127.2          | 127.8          | 85.2           | 52.3           | 24.7           | 6.5                         |
| 1996 <sup>4</sup>                    | 74.4                        | 89.2        | 64.0           | 129.2          | 125.8          | 84.5           | 54.5           | 25.5           | 6.1                         |
| 1995 <sup>4</sup>                    | 75.9                        | 92.8        | 68.6           | 131.2          | 127.7          | 84.8           | 54.3           | 25.6           | 6.0                         |
| 1994 <sup>4</sup>                    | 82.1                        | 100.9       | 75.1           | 141.6          | 138.1          | 93.6           | 57.2           | 26.3           | 5.9                         |
| 1993 <sup>4</sup>                    | 84.0                        | 102.4       | 76.8           | 141.6          | 142.2          | 94.5           | 57.3           | 25.9           | 5.8                         |
| 1992 <sup>4</sup>                    | 86.5                        | 105.9       | 78.0           | 147.8          | 144.3          | 98.2           | 57.7           | 25.8           | 5.4                         |
| 1991 <sup>4</sup>                    | 89.5                        | 108.5       | 80.4           | 148.7          | 147.5          | 100.9          | 60.1           | 25.6           | 5.4                         |
| 1990 <sup>4</sup>                    | 90.5                        | 106.0       | 78.8           | 143.7          | 144.8          | 105.3          | 61.5           | 25.5           | 5.1                         |
| 1989 <sup>4</sup>                    | 90.7                        | 104.5       | 78.9           | 140.9          | 142.4          | 102.9          | 60.5           | 24.9           | 5.0                         |
| 1988 <sup>4</sup>                    | 86.5                        | 96.1        | 73.5           | 130.5          | 133.6          | 97.2           | 57.4           | 24.1           | 5.0                         |
| 1987 <sup>4</sup>                    | 82.6                        | 90.9        | 69.9           | 123.0          | 126.1          | 91.6           | 53.1           | 22.4           | 4.7                         |
| 1986 <sup>4</sup>                    | 79.0                        | 88.5        | 67.0           | 121.1          | 118.0          | 84.6           | 50.0           | 20.6           | 4.4                         |
| 1985 <sup>4</sup>                    | 77.0                        | 87.6        | 66.8           | 117.9          | 113.1          | 79.3           | 47.5           | 20.4           | 4.3                         |
| 1984 <sup>4,5</sup>                  | 75.2                        | 86.1        | 66.5           | 113.6          | 107.9          | 77.8           | 43.8           | 19.4           | 4.3                         |
| 1983 <sup>4,5</sup>                  | 76.2                        | 85.5        | 66.8           | 111.9          | 107.2          | 79.7           | 43.8           | 19.4           | 4.8                         |
| 1982 <sup>4,5</sup>                  | 77.9                        | 85.1        | 66.3           | 112.7          | 109.3          | 82.7           | 44.1           | 19.5           | 5.2                         |
| 1981 <sup>4,5</sup>                  | 79.4                        | 85.0        | 65.9           | 114.2          | 110.7          | 83.1           | 45.5           | 19.6           | 5.6                         |
| 1980 <sup>4,5</sup>                  | 81.1                        | 87.9        | 68.8           | 118.2          | 112.3          | 81.4           | 46.7           | 19.0           | 5.5                         |
| <b>Hispanic<sup>9</sup></b>          |                             |             |                |                |                |                |                |                |                             |
| 1999 <sup>4</sup>                    | 93.4                        | 73.8        | 52.4           | 107.6          | 143.3          | 143.6          | 93.3           | 44.1           | 11.3                        |
| 1998 <sup>4</sup>                    | 90.1                        | 73.9        | 53.0           | 107.8          | 135.0          | 136.0          | 85.4           | 40.1           | 12.0                        |
| 1997 <sup>4</sup>                    | 91.4                        | 75.2        | 55.0           | 109.5          | 139.1          | 135.0          | 86.1           | 42.0           | 12.2                        |
| 1996 <sup>4</sup>                    | 93.2                        | 74.5        | 53.4           | 110.4          | 146.5          | 139.1          | 90.8           | 42.3           | 12.3                        |
| 1995 <sup>4</sup>                    | 95.0                        | 78.7        | 56.3           | 117.9          | 148.9          | 133.8          | 89.2           | 43.4           | 12.2                        |
| 1994 <sup>4</sup>                    | 101.2                       | 82.6        | 59.0           | 123.6          | 154.8          | 141.6          | 95.5           | 48.4           | 14.0                        |
| 1993 <sup>4</sup>                    | 95.2                        | 74.6        | 51.9           | 114.6          | 140.5          | 137.7          | 90.9           | 47.8           | 14.1                        |
| 1992 <sup>4</sup>                    | 95.3                        | 72.9        | 51.0           | 110.5          | 142.2          | 138.3          | 91.8           | 48.1           | 14.5                        |
| 1991 <sup>4</sup>                    | 93.7                        | 72.4        | 50.5           | 109.6          | 135.4          | 137.5          | 89.1           | 47.7           | 14.2                        |
| 1990 <sup>4</sup>                    | 89.6                        | 65.9        | 45.9           | 98.9           | 129.8          | 131.7          | 88.1           | 50.8           | 13.7                        |

--- Data not available.

<sup>1</sup> Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.<sup>2</sup> Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.<sup>3</sup> Includes races other than white and black.<sup>4</sup> Data for States in which marital status was not reported have been inferred and included with data from the remaining States; see Technical notes.<sup>5</sup> Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.<sup>6</sup> Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see Technical notes.<sup>7</sup> Based on a 50-percent sample of births.<sup>8</sup> Rates for 1990 based on data for 48 States and the District of Columbia which reported Hispanic origin on the birth certificate. Rate shown for ages 35-39 years is based on births to unmarried women aged 35-44 years.<sup>9</sup> Includes all persons of Hispanic origin of any race.

NOTE: Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available.

**Table 19. Number and percent of births to unmarried women by race and Hispanic origin of mother: United States, each State and territory, 1999**

[By place of residence]

| State                            | Births to unmarried women |         |              |         |              |                       | Percent unmarried      |       |              |       |              |                       |
|----------------------------------|---------------------------|---------|--------------|---------|--------------|-----------------------|------------------------|-------|--------------|-------|--------------|-----------------------|
|                                  | All races <sup>1</sup>    | White   |              | Black   |              | Hispanic <sup>2</sup> | All races <sup>1</sup> | White |              | Black |              | Hispanic <sup>2</sup> |
|                                  |                           | Total   | Non-Hispanic | Total   | Non-Hispanic |                       |                        | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| United States <sup>3</sup> ..... | 1,308,560                 | 839,552 | 518,291      | 417,476 | 406,802      | 322,311               | 33.0                   | 26.8  | 22.1         | 68.9  | 69.1         | 42.2                  |
| Alabama .....                    | 20,693                    | 7,194   | 6,781        | 13,390  | 13,378       | 420                   | 33.3                   | 17.2  | 16.9         | 67.8  | 67.8         | 26.4                  |
| Alaska .....                     | 3,301                     | 1,519   | 1,375        | 205     | 199          | 189                   | 33.2                   | 23.1  | 22.7         | 46.5  | 46.6         | 31.8                  |
| Arizona .....                    | 31,463                    | 25,537  | 9,564        | 1,737   | 1,660        | 16,081                | 38.8                   | 36.0  | 24.6         | 63.6  | 63.8         | 50.2                  |
| Arkansas .....                   | 12,932                    | 7,028   | 6,352        | 5,732   | 5,723        | 688                   | 35.2                   | 24.7  | 24.0         | 74.6  | 74.7         | 35.0                  |
| California .....                 | 170,372                   | 138,021 | 35,752       | 22,163  | 21,463       | 103,006               | 32.9                   | 32.7  | 20.7         | 62.6  | 62.7         | 41.3                  |
| Colorado .....                   | 15,818                    | 13,669  | 7,483        | 1,580   | 1,518        | 6,325                 | 25.4                   | 24.1  | 18.4         | 54.5  | 54.4         | 38.8                  |
| Connecticut .....                | 12,562                    | 8,766   | 4,636        | 3,624   | 3,366        | 3,958                 | 29.0                   | 24.2  | 16.4         | 67.3  | 67.4         | 62.6                  |
| Delaware .....                   | 4,147                     | 2,159   | 1,745        | 1,946   | 1,919        | 440                   | 38.8                   | 28.1  | 25.4         | 72.9  | 72.6         | 51.3                  |
| District of Columbia .....       | 4,642                     | 538     | 115          | 4,078   | 4,050        | 427                   | 61.7                   | 24.5  | 8.2          | 78.9  | 79.2         | 54.1                  |
| Florida .....                    | 73,824                    | 42,556  | 27,767       | 30,270  | 29,708       | 15,460                | 37.5                   | 29.0  | 26.1         | 67.2  | 67.4         | 37.3                  |
| Georgia .....                    | 46,328                    | 17,808  | 14,028       | 28,087  | 27,824       | 3,734                 | 36.6                   | 21.9  | 20.0         | 66.7  | 67.0         | 35.4                  |
| Hawaii .....                     | 5,593                     | 710     | 559          | 115     | 99           | 1,004                 | 32.8                   | 17.8  | 16.7         | 25.0  | 23.3         | 45.4                  |
| Idaho .....                      | 4,302                     | 4,058   | 3,308        | 32      | 30           | 738                   | 21.6                   | 21.1  | 19.7         | 41.0  | 40.5         | 31.3                  |
| Illinois .....                   | 62,088                    | 35,033  | 20,050       | 26,433  | 26,292       | 15,083                | 34.1                   | 25.0  | 19.4         | 77.2  | 77.3         | 40.8                  |
| Indiana .....                    | 29,640                    | 22,294  | 20,230       | 7,167   | 7,146        | 1,977                 | 34.5                   | 29.5  | 28.5         | 77.1  | 77.2         | 45.3                  |
| Iowa .....                       | 10,330                    | 9,196   | 8,388        | 830     | 800          | 741                   | 27.5                   | 26.0  | 25.2         | 71.3  | 71.7         | 40.2                  |
| Kansas .....                     | 11,098                    | 8,804   | 7,110        | 1,975   | 1,958        | 1,656                 | 28.6                   | 25.4  | 23.7         | 69.2  | 69.4         | 38.8                  |
| Kentucky .....                   | 16,540                    | 12,788  | 12,484       | 3,633   | 3,619        | 302                   | 30.4                   | 26.2  | 26.1         | 73.0  | 73.1         | 31.8                  |
| Louisiana .....                  | 30,109                    | 9,684   | 9,196        | 20,102  | 19,928       | 474                   | 44.8                   | 25.1  | 24.9         | 73.7  | 73.7         | 30.8                  |
| Maine .....                      | 4,260                     | 4,114   | 3,798        | 52      | 39           | 49                    | 31.3                   | 31.1  | 30.5         | 49.1  | 45.3         | 36.3                  |
| Maryland .....                   | 25,083                    | 9,667   | 8,038        | 15,055  | 14,945       | 1,657                 | 34.9                   | 21.8  | 19.9         | 62.1  | 62.1         | 40.5                  |
| Massachusetts .....              | 21,476                    | 15,842  | 11,340       | 4,832   | 3,853        | 5,398                 | 26.5                   | 23.2  | 18.7         | 59.2  | 58.8         | 61.4                  |
| Michigan .....                   | 44,184                    | 26,000  | 21,070       | 17,412  | 17,228       | 2,556                 | 33.1                   | 24.7  | 22.9         | 72.4  | 72.7         | 41.0                  |
| Minnesota .....                  | 17,065                    | 12,862  | 10,980       | 2,484   | 2,431        | 1,562                 | 25.9                   | 22.4  | 21.5         | 61.9  | 62.0         | 47.1                  |
| Mississippi .....                | 19,606                    | 4,750   | 4,598        | 14,629  | 14,626       | 150                   | 45.9                   | 21.0  | 20.7         | 75.4  | 75.4         | 33.3                  |
| Missouri .....                   | 25,737                    | 16,729  | 15,853       | 8,629   | 8,607        | 894                   | 34.1                   | 26.7  | 26.3         | 76.5  | 76.6         | 39.6                  |
| Montana .....                    | 3,232                     | 2,298   | 2,144        | 14      | 13           | 122                   | 30.0                   | 24.5  | 23.9         | *     | *            | 38.4                  |
| Nebraska .....                   | 6,181                     | 4,920   | 3,840        | 883     | 878          | 943                   | 25.9                   | 22.7  | 20.4         | 69.6  | 69.8         | 41.1                  |
| Nevada .....                     | 10,483                    | 8,335   | 4,441        | 1,495   | 1,446        | 3,838                 | 35.7                   | 33.3  | 28.5         | 68.1  | 68.3         | 41.4                  |
| New Hampshire .....              | 3,399                     | 3,316   | 2,995        | 52      | 45           | 146                   | 24.2                   | 24.3  | 23.5         | 37.4  | 37.2         | 40.9                  |
| New Jersey .....                 | 32,556                    | 18,280  | 8,398        | 13,732  | 12,672       | 10,850                | 28.5                   | 21.6  | 13.0         | 65.0  | 66.2         | 50.9                  |
| New Mexico .....                 | 12,272                    | 9,446   | 2,446        | 314     | 293          | 7,084                 | 45.1                   | 41.3  | 26.7         | 63.2  | 63.0         | 51.2                  |
| New York .....                   | 93,613                    | 54,221  | 23,792       | 36,227  | 32,113       | 31,819                | 36.6                   | 29.5  | 19.1         | 67.9  | 67.6         | 60.0                  |
| North Carolina .....             | 37,814                    | 17,708  | 13,667       | 18,885  | 18,818       | 4,112                 | 33.2                   | 21.8  | 19.1         | 66.4  | 66.5         | 41.7                  |
| North Dakota .....               | 2,099                     | 1,547   | 1,458        | 23      | 21           | 41                    | 27.5                   | 22.9  | 22.6         | 26.4  | 25.0         | 33.9                  |
| Ohio .....                       | 52,038                    | 34,846  | 33,246       | 16,805  | 16,380       | 1,627                 | 34.1                   | 27.3  | 26.8         | 76.1  | 75.9         | 47.5                  |
| Oklahoma .....                   | 16,252                    | 10,552  | 8,983        | 3,277   | 3,172        | 1,445                 | 33.2                   | 27.3  | 26.3         | 70.8  | 71.0         | 36.9                  |
| Oregon .....                     | 13,750                    | 12,399  | 9,590        | 569     | 550          | 2,732                 | 30.4                   | 29.9  | 28.0         | 62.9  | 62.6         | 39.6                  |
| Pennsylvania .....               | 47,865                    | 31,502  | 26,968       | 15,768  | 15,507       | 4,393                 | 32.9                   | 26.0  | 23.7         | 77.4  | 77.5         | 61.3                  |
| Rhode Island .....               | 4,242                     | 3,327   | 1,886        | 647     | 564          | 1,067                 | 34.3                   | 30.8  | 25.6         | 65.8  | 65.9         | 56.4                  |
| South Carolina .....             | 21,441                    | 7,794   | 7,179        | 13,472  | 13,454       | 639                   | 39.0                   | 22.3  | 21.5         | 70.6  | 70.7         | 37.2                  |
| South Dakota .....               | 3,348                     | 2,046   | 1,991        | 32      | 32           | 62                    | 31.8                   | 23.6  | 23.4         | 36.0  | 36.4         | 34.6                  |
| Tennessee .....                  | 26,981                    | 14,597  | 13,691       | 12,114  | 12,100       | 923                   | 34.7                   | 24.3  | 23.8         | 73.4  | 73.5         | 38.0                  |
| Texas .....                      | 109,244                   | 83,002  | 28,096       | 25,007  | 24,650       | 54,876                | 31.3                   | 27.8  | 20.1         | 62.4  | 62.4         | 34.8                  |
| Utah .....                       | 7,722                     | 7,032   | 4,987        | 136     | 131          | 2,045                 | 16.7                   | 16.0  | 12.9         | 51.3  | 51.6         | 37.7                  |
| Vermont .....                    | 1,901                     | 1,866   | 1,801        | 22      | 20           | 14                    | 28.9                   | 28.8  | 28.6         | 55.0  | 57.1         | *                     |
| Virginia .....                   | 28,334                    | 13,958  | 11,550       | 13,903  | 13,832       | 2,445                 | 29.7                   | 20.4  | 18.6         | 62.7  | 62.8         | 37.5                  |
| Washington .....                 | 22,335                    | 18,072  | 13,316       | 1,853   | 1,701        | 4,100                 | 28.1                   | 26.5  | 24.0         | 55.6  | 55.9         | 39.6                  |
| West Virginia .....              | 6,581                     | 5,975   | 5,930        | 585     | 582          | 38                    | 31.7                   | 30.2  | 30.1         | 77.8  | 78.0         | 39.6                  |
| Wisconsin .....                  | 19,906                    | 13,629  | 11,941       | 5,430   | 5,382        | 1,768                 | 29.2                   | 23.2  | 21.8         | 83.5  | 83.5         | 43.8                  |
| Wyoming .....                    | 1,778                     | 1,558   | 1,355        | 39      | 37           | 213                   | 29.0                   | 27.1  | 25.9         | 54.2  | 53.6         | 40.2                  |
| Puerto Rico .....                | 28,658                    | 25,547  | ---          | 3,108   | ---          | ---                   | 48.1                   | 46.8  | ---          | 62.1  | ---          | ---                   |
| Virgin Islands .....             | 1,121                     | 161     | 27           | 948     | 839          | 200                   | 67.1                   | 51.4  | 27.6         | 73.6  | 73.5         | 66.7                  |
| Guam .....                       | 2,246                     | 68      | 57           | 18      | 18           | 18                    | 55.9                   | 21.3  | 19.9         | *     | *            | *                     |
| American Samoa .....             | 616                       | 2       | ---          | -       | ---          | ---                   | 35.5                   | *     | ---          | *     | ---          | ---                   |
| Northern Marianas .....          | 655                       | 6       | ---          | -       | ---          | ---                   | 47.4                   | *     | ---          | *     | ---          | ---                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

- Quantity zero.

--- Data not available.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.<sup>3</sup> Excludes data for the territories.

**Table 20. Birth rates by age and race of father: United States, 1980-99**

[Rates are live births per 1,000 men in specified group. Population enumerated as of April 1 for 1980 and 1990 and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

| Year and race of father | 15-54 years <sup>1</sup> | Age of father            |             |             |             |             |             |             |             |                   |
|-------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                         |                          | 15-19 years <sup>2</sup> | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years | 55 years and over |
| All races <sup>3</sup>  |                          |                          |             |             |             |             |             |             |             |                   |
| 1999                    | 50.8                     | 21.0                     | 83.8        | 114.8       | 101.6       | 54.9        | 21.0        | 7.2         | 2.5         | 0.3               |
| 1998                    | 51.0                     | 21.6                     | 84.8        | 112.6       | 99.2        | 53.9        | 20.9        | 7.2         | 2.5         | 0.3               |
| 1997                    | 50.4                     | 22.2                     | 83.4        | 108.5       | 95.7        | 52.1        | 20.6        | 7.1         | 2.5         | 0.3               |
| 1996                    | 51.1                     | 23.0                     | 84.4        | 107.7       | 94.3        | 51.5        | 20.4        | 6.9         | 2.5         | 0.3               |
| 1995                    | 52.0                     | 24.3                     | 86.0        | 107.2       | 93.3        | 51.0        | 20.3        | 7.1         | 2.6         | 0.3               |
| 1994                    | 53.2                     | 25.0                     | 87.3        | 108.8       | 93.3        | 50.9        | 20.2        | 7.2         | 2.6         | 0.3               |
| 1993                    | 54.4                     | 24.8                     | 87.1        | 110.8       | 93.5        | 51.1        | 20.2        | 7.3         | 2.7         | 0.4               |
| 1992                    | 55.8                     | 24.6                     | 87.7        | 113.1       | 94.2        | 51.3        | 20.4        | 7.3         | 2.7         | 0.4               |
| 1991                    | 57.1                     | 24.8                     | 88.0        | 114.7       | 95.1        | 51.8        | 20.2        | 7.5         | 2.7         | 0.4               |
| 1990                    | 58.4                     | 23.5                     | 88.0        | 116.4       | 97.8        | 53.0        | 21.0        | 7.5         | 2.8         | 0.4               |
| 1989                    | 57.2                     | 21.9                     | 85.4        | 114.3       | 94.8        | 51.3        | 20.4        | 7.4         | 2.7         | 0.6               |
| 1988                    | 55.8                     | 19.6                     | 82.4        | 111.6       | 93.2        | 49.9        | 19.9        | 7.1         | 2.7         | 0.4               |
| 1987                    | 55.0                     | 18.3                     | 80.5        | 109.9       | 91.2        | 48.6        | 19.0        | 6.9         | 2.6         | 0.4               |
| 1986                    | 54.8                     | 17.9                     | 80.3        | 109.6       | 90.3        | 46.8        | 18.3        | 6.7         | 2.6         | 0.4               |
| 1985                    | 55.6                     | 18.0                     | 81.2        | 112.3       | 91.1        | 47.3        | 18.1        | 6.6         | 2.5         | 0.4               |
| 1984 <sup>4</sup>       | 55.0                     | 17.8                     | 80.7        | 111.4       | 89.9        | 46.0        | 17.8        | 6.3         | 2.4         | 0.4               |
| 1983 <sup>4</sup>       | 55.1                     | 18.2                     | 82.6        | 113.0       | 89.1        | 45.2        | 17.4        | 6.4         | 2.3         | 0.4               |
| 1982 <sup>4</sup>       | 56.4                     | 18.6                     | 86.5        | 117.3       | 90.3        | 44.5        | 17.5        | 6.4         | 2.3         | 0.4               |
| 1981 <sup>4</sup>       | 56.3                     | 18.4                     | 88.4        | 119.1       | 88.7        | 43.3        | 17.0        | 6.2         | 2.3         | 0.4               |
| 1980 <sup>4</sup>       | 57.0                     | 18.8                     | 92.0        | 123.1       | 91.0        | 42.8        | 17.1        | 6.1         | 2.2         | 0.3               |
| White                   |                          |                          |             |             |             |             |             |             |             |                   |
| 1999                    | 48.2                     | 17.5                     | 76.8        | 113.4       | 101.7       | 53.4        | 19.6        | 6.4         | 2.1         | 0.3               |
| 1998                    | 48.3                     | 18.0                     | 77.5        | 110.9       | 99.1        | 52.5        | 19.4        | 6.4         | 2.2         | 0.3               |
| 1997                    | 47.7                     | 18.2                     | 76.1        | 106.8       | 95.3        | 50.6        | 19.1        | 6.3         | 2.1         | 0.3               |
| 1996                    | 48.4                     | 18.8                     | 77.2        | 106.4       | 94.0        | 50.2        | 19.0        | 6.2         | 2.1         | 0.2               |
| 1995                    | 49.2                     | 19.7                     | 78.5        | 105.7       | 92.9        | 49.6        | 19.0        | 6.3         | 2.2         | 0.2               |
| 1994                    | 50.0                     | 19.8                     | 78.5        | 106.4       | 92.5        | 49.3        | 18.9        | 6.3         | 2.2         | 0.3               |
| 1993                    | 50.9                     | 19.2                     | 77.9        | 108.0       | 92.4        | 49.2        | 18.6        | 6.4         | 2.2         | 0.2               |
| 1992                    | 52.2                     | 18.9                     | 78.2        | 110.1       | 93.2        | 49.3        | 18.8        | 6.4         | 2.2         | 0.3               |
| 1991                    | 53.3                     | 19.1                     | 78.4        | 111.5       | 93.6        | 49.7        | 18.5        | 6.5         | 2.2         | 0.3               |
| 1990                    | 54.6                     | 18.1                     | 78.3        | 113.2       | 96.1        | 50.9        | 19.2        | 6.5         | 2.2         | 0.3               |
| 1989                    | 53.3                     | 16.7                     | 75.9        | 110.8       | 93.0        | 49.1        | 18.7        | 6.3         | 2.1         | 0.4               |
| 1988                    | 52.2                     | 14.8                     | 73.7        | 108.3       | 91.2        | 47.6        | 18.1        | 6.1         | 2.1         | 0.3               |
| 1987                    | 51.6                     | 13.9                     | 72.8        | 107.0       | 89.5        | 46.2        | 17.3        | 5.9         | 2.0         | 0.3               |
| 1986                    | 51.7                     | 13.8                     | 73.3        | 107.0       | 88.7        | 44.4        | 16.6        | 5.7         | 2.0         | 0.3               |
| 1985                    | 52.6                     | 14.0                     | 74.7        | 109.9       | 89.5        | 44.8        | 16.3        | 5.6         | 1.9         | 0.3               |
| 1984 <sup>4</sup>       | 51.8                     | 14.0                     | 74.3        | 108.8       | 87.9        | 43.5        | 16.0        | 5.3         | 1.9         | 0.3               |
| 1983 <sup>4</sup>       | 52.0                     | 14.4                     | 76.3        | 110.2       | 86.8        | 42.6        | 15.5        | 5.3         | 1.8         | 0.3               |
| 1982 <sup>4</sup>       | 53.1                     | 14.9                     | 80.1        | 114.2       | 87.5        | 41.7        | 15.6        | 5.3         | 1.9         | 0.3               |
| 1981 <sup>4</sup>       | 52.9                     | 15.0                     | 81.7        | 115.8       | 85.8        | 40.3        | 15.0        | 5.2         | 1.8         | 0.3               |
| 1980 <sup>4</sup>       | 53.4                     | 15.4                     | 84.9        | 119.4       | 87.8        | 39.7        | 15.0        | 5.1         | 1.8         | 0.3               |
| Black                   |                          |                          |             |             |             |             |             |             |             |                   |
| 1999                    | 66.9                     | 41.5                     | 133.5       | 134.0       | 95.4        | 55.2        | 26.6        | 11.6        | 5.3         | 1.0               |
| 1998                    | 68.1                     | 43.3                     | 136.8       | 134.4       | 94.3        | 54.9        | 26.7        | 11.9        | 5.3         | 1.0               |
| 1997                    | 68.0                     | 45.6                     | 136.6       | 130.2       | 91.8        | 53.3        | 26.1        | 11.7        | 5.5         | 1.1               |
| 1996                    | 68.3                     | 47.2                     | 138.0       | 127.2       | 89.3        | 52.3        | 25.7        | 11.6        | 5.5         | 1.1               |
| 1995                    | 70.1                     | 50.5                     | 140.5       | 126.6       | 89.6        | 52.6        | 25.7        | 12.1        | 5.6         | 1.1               |
| 1994                    | 74.9                     | 54.6                     | 150.5       | 131.9       | 92.9        | 54.2        | 26.4        | 13.0        | 6.0         | 1.1               |
| 1993                    | 78.3                     | 56.6                     | 153.8       | 136.0       | 95.3        | 56.6        | 27.7        | 13.5        | 6.4         | 1.3               |
| 1992                    | 81.0                     | 57.4                     | 158.0       | 140.1       | 96.8        | 56.9        | 28.4        | 13.9        | 6.2         | 1.4               |
| 1991                    | 83.4                     | 58.0                     | 158.5       | 143.3       | 100.1       | 58.8        | 29.4        | 14.2        | 6.7         | 1.4               |
| 1990                    | 84.9                     | 55.2                     | 158.2       | 144.9       | 103.2       | 60.4        | 31.1        | 15.0        | 7.1         | 1.4               |
| 1989                    | 84.1                     | 52.9                     | 153.4       | 143.5       | 101.4       | 59.9        | 31.1        | 14.9        | 6.9         | 2.7               |
| 1988                    | 80.7                     | 48.1                     | 144.1       | 137.9       | 100.0       | 58.0        | 30.6        | 14.3        | 6.9         | 1.4               |
| 1987                    | 78.3                     | 44.6                     | 136.1       | 133.9       | 97.4        | 58.0        | 30.0        | 13.8        | 6.6         | 1.3               |
| 1986                    | 77.2                     | 42.6                     | 131.4       | 131.6       | 97.4        | 58.0        | 29.1        | 13.5        | 6.7         | 1.3               |
| 1985                    | 77.2                     | 41.8                     | 129.5       | 132.7       | 97.3        | 59.4        | 29.5        | 13.3        | 6.5         | 1.2               |
| 1984 <sup>4</sup>       | 76.7                     | 40.9                     | 128.0       | 132.2       | 98.3        | 58.4        | 29.3        | 13.3        | 6.1         | 1.2               |
| 1983 <sup>4</sup>       | 77.2                     | 40.7                     | 129.1       | 134.4       | 99.0        | 59.6        | 29.6        | 13.5        | 6.0         | 1.2               |
| 1982 <sup>4</sup>       | 79.5                     | 40.3                     | 133.4       | 141.2       | 103.6       | 61.1        | 29.6        | 13.9        | 6.0         | 1.2               |
| 1981 <sup>4</sup>       | 80.4                     | 38.9                     | 138.4       | 145.6       | 104.3       | 61.3        | 29.7        | 13.3        | 5.7         | 1.2               |
| 1980 <sup>4</sup>       | 83.0                     | 40.1                     | 145.3       | 152.8       | 109.6       | 62.0        | 31.2        | 13.6        | 5.9         | 1.1               |

<sup>1</sup> Rates computed by relating total births, regardless of age of father, to men aged 15-54 years.

<sup>2</sup> Rates computed by relating births of fathers under 20 years of age to men aged 15-19 years.

<sup>3</sup> Includes races other than white and black.

<sup>4</sup> Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all men (including Hispanic men) are classified only according to their race; see Technical notes. Age of father was not stated for 14 percent of births in 1999.

**Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 1999**

| Age and race of mother  | Total     | Years of school completed by mother |            |           |             |                  |            | Percent 12 years or more | Percent 16 years or more |
|-------------------------|-----------|-------------------------------------|------------|-----------|-------------|------------------|------------|--------------------------|--------------------------|
|                         |           | 0-8 years                           | 9-11 years | 12 years  | 13-15 years | 16 years or more | Not Stated |                          |                          |
| All races <sup>1</sup>  |           |                                     |            |           |             |                  |            |                          |                          |
| All ages .....          | 3,959,417 | 222,661                             | 623,934    | 1,254,283 | 858,068     | 937,071          | 63,400     | 78.3                     | 24.1                     |
| Under 15 years .....    | 9,054     | 6,823                               | 1,866      | -         | -           | -                | 365        | -                        | -                        |
| 15-19 years .....       | 476,050   | 39,021                              | 246,934    | 157,339   | 23,726      | -                | 9,030      | 38.8                     | -                        |
| 15 years .....          | 22,896    | 6,993                               | 15,190     | -         | -           | -                | 713        | -                        | -                        |
| 16 years .....          | 51,516    | 6,593                               | 42,450     | 1,302     | -           | -                | 1,171      | 2.6                      | -                        |
| 17 years .....          | 89,176    | 6,953                               | 66,600     | 13,539    | 293         | -                | 1,791      | 15.8                     | -                        |
| 18 years .....          | 133,988   | 8,285                               | 63,654     | 55,711    | 3,985       | -                | 2,353      | 45.3                     | -                        |
| 19 years .....          | 178,474   | 10,197                              | 59,040     | 86,787    | 19,448      | -                | 3,002      | 60.5                     | -                        |
| 20-24 years .....       | 981,929   | 60,243                              | 199,572    | 429,099   | 225,011     | 52,477           | 15,527     | 73.1                     | 5.4                      |
| 25-29 years .....       | 1,078,252 | 54,948                              | 101,264    | 331,150   | 284,683     | 290,320          | 15,887     | 85.3                     | 27.3                     |
| 30-34 years .....       | 892,400   | 36,700                              | 48,888     | 216,015   | 207,210     | 370,390          | 13,197     | 90.3                     | 42.1                     |
| 35-39 years .....       | 434,294   | 19,372                              | 21,243     | 101,083   | 98,525      | 186,589          | 7,482      | 90.5                     | 43.7                     |
| 40 years and over ..... | 87,438    | 5,554                               | 4,167      | 19,597    | 18,913      | 37,295           | 1,912      | 88.6                     | 43.6                     |
| White, total            |           |                                     |            |           |             |                  |            |                          |                          |
| All ages .....          | 3,132,501 | 197,659                             | 460,112    | 960,003   | 674,961     | 794,890          | 44,876     | 78.7                     | 25.7                     |
| Under 15 years .....    | 4,739     | 3,545                               | 987        | -         | -           | -                | 207        | -                        | -                        |
| 15-19 years .....       | 337,888   | 32,885                              | 172,330    | 110,533   | 16,037      | -                | 6,103      | 38.1                     | -                        |
| 15 years .....          | 14,193    | 4,638                               | 9,130      | -         | -           | -                | 425        | -                        | -                        |
| 16 years .....          | 34,649    | 5,229                               | 27,739     | 900       | -           | -                | 781        | 2.7                      | -                        |
| 17 years .....          | 62,782    | 6,128                               | 45,951     | 9,266     | 228         | -                | 1,209      | 15.4                     | -                        |
| 18 years .....          | 96,254    | 7,480                               | 45,911     | 38,600    | 2,634       | -                | 1,629      | 43.6                     | -                        |
| 19 years .....          | 130,010   | 9,410                               | 43,599     | 61,767    | 13,175      | -                | 2,059      | 58.6                     | -                        |
| 20-24 years .....       | 748,371   | 56,175                              | 150,646    | 322,029   | 167,513     | 40,992           | 11,016     | 72.0                     | 5.6                      |
| 25-29 years .....       | 873,654   | 50,482                              | 79,784     | 260,246   | 227,565     | 244,155          | 11,422     | 84.9                     | 28.3                     |
| 30-34 years .....       | 739,948   | 32,814                              | 37,998     | 172,385   | 168,819     | 318,484          | 9,448      | 90.3                     | 43.6                     |
| 35-39 years .....       | 356,959   | 17,057                              | 15,441     | 79,792    | 79,861      | 159,468          | 5,340      | 90.8                     | 45.4                     |
| 40 years and over ..... | 70,942    | 4,701                               | 2,926      | 15,018    | 15,166      | 31,791           | 1,340      | 89.0                     | 45.7                     |
| White, non-Hispanic     |           |                                     |            |           |             |                  |            |                          |                          |
| All ages .....          | 2,346,450 | 40,289                              | 252,023    | 733,181   | 568,737     | 730,628          | 21,592     | 87.4                     | 31.4                     |
| Under 15 years .....    | 2,048     | 1,572                               | 402        | -         | -           | -                | 74         | -                        | -                        |
| 15-19 years .....       | 212,923   | 11,478                              | 106,084    | 80,611    | 12,138      | -                | 2,612      | 44.1                     | -                        |
| 15 years .....          | 6,963     | 2,158                               | 4,637      | -         | -           | -                | 168        | -                        | -                        |
| 16 years .....          | 18,886    | 2,203                               | 15,782     | 581       | -           | -                | 320        | 3.1                      | -                        |
| 17 years .....          | 37,671    | 2,187                               | 28,727     | 6,103     | 164         | -                | 490        | 16.9                     | -                        |
| 18 years .....          | 62,282    | 2,378                               | 29,366     | 27,933    | 1,888       | -                | 717        | 48.4                     | -                        |
| 19 years .....          | 87,121    | 2,552                               | 27,572     | 45,994    | 10,086      | -                | 917        | 65.1                     | -                        |
| 20-24 years .....       | 514,386   | 11,442                              | 85,309     | 242,105   | 135,206     | 35,588           | 4,736      | 81.0                     | 7.0                      |
| 25-29 years .....       | 663,569   | 7,853                               | 35,826     | 198,206   | 192,829     | 223,320          | 5,535      | 93.4                     | 33.9                     |
| 30-34 years .....       | 600,830   | 4,683                               | 15,590     | 135,095   | 145,638     | 294,794          | 5,030      | 96.6                     | 49.5                     |
| 35-39 years .....       | 294,590   | 2,513                               | 7,382      | 64,910    | 69,523      | 147,352          | 2,910      | 96.6                     | 50.5                     |
| 40 years and over ..... | 58,104    | 748                                 | 1,430      | 12,254    | 13,403      | 29,574           | 695        | 96.2                     | 51.5                     |
| Black, total            |           |                                     |            |           |             |                  |            |                          |                          |
| All ages .....          | 605,970   | 15,345                              | 139,104    | 234,181   | 137,265     | 67,430           | 12,645     | 74.0                     | 11.4                     |
| Under 15 years .....    | 3,977     | 3,045                               | 790        | -         | -           | -                | 142        | -                        | -                        |
| 15-19 years .....       | 121,166   | 5,165                               | 65,962     | 40,999    | 6,578       | -                | 2,462      | 40.1                     | -                        |
| 15 years .....          | 7,865     | 2,135                               | 5,475      | -         | -           | -                | 255        | -                        | -                        |
| 16 years .....          | 14,942    | 1,148                               | 13,125     | 345       | -           | -                | 324        | 2.4                      | -                        |
| 17 years .....          | 23,112    | 670                                 | 18,190     | 3,701     | 52          | -                | 499        | 16.6                     | -                        |
| 18 years .....          | 32,948    | 624                                 | 15,581     | 15,011    | 1,124       | -                | 608        | 49.9                     | -                        |
| 19 years .....          | 42,299    | 588                                 | 13,591     | 21,942    | 5,402       | -                | 776        | 65.9                     | -                        |
| 20-24 years .....       | 193,211   | 2,477                               | 42,357     | 90,316    | 46,805      | 7,859            | 3,397      | 76.4                     | 4.1                      |
| 25-29 years .....       | 138,868   | 1,927                               | 16,697     | 53,325    | 41,746      | 22,426           | 2,747      | 86.3                     | 16.5                     |
| 30-34 years .....       | 91,486    | 1,448                               | 8,055      | 31,233    | 26,580      | 21,971           | 2,199      | 89.4                     | 24.6                     |
| 35-39 years .....       | 47,277    | 946                                 | 4,332      | 15,186    | 13,005      | 12,456           | 1,352      | 88.5                     | 27.1                     |
| 40 years and over ..... | 9,985     | 337                                 | 911        | 3,122     | 2,551       | 2,718            | 346        | 87.1                     | 28.2                     |

See footnotes at end of table.

**Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race of mother: United States, 1999 --Con.**

| Age and race of mother  | Total   | Years of school completed by mother |            |          |             |                  |            | Percent 12 years or more | Percent 16 years or more |
|-------------------------|---------|-------------------------------------|------------|----------|-------------|------------------|------------|--------------------------|--------------------------|
|                         |         | 0-8 years                           | 9-11 years | 12 years | 13-15 years | 16 years or more | Not Stated |                          |                          |
| Black, non-Hispanic     |         |                                     |            |          |             |                  |            |                          |                          |
| All ages .....          | 588,981 | 14,069                              | 135,306    | 228,332  | 133,984     | 65,779           | 11,511     | 74.1                     | 11.4                     |
| Under 15 years .....    | 3,890   | 2,985                               | 768        | -        | -           | -                | 137        | -                        | -                        |
| 15-19 years .....       | 118,285 | 4,990                               | 64,416     | 40,185   | 6,416       | -                | 2,278      | 40.2                     | -                        |
| 15 years .....          | 7,698   | 2,099                               | 5,355      | -        | -           | -                | 244        | -                        | -                        |
| 16 years .....          | 14,573  | 1,115                               | 12,822     | 334      | -           | -                | 302        | 2.3                      | -                        |
| 17 years .....          | 22,580  | 641                                 | 17,804     | 3,612    | 51          | -                | 472        | 16.6                     | -                        |
| 18 years .....          | 32,155  | 590                                 | 15,223     | 14,703   | 1,075       | -                | 564        | 49.9                     | -                        |
| 19 years .....          | 41,279  | 545                                 | 13,212     | 21,536   | 5,290       | -                | 696        | 66.1                     | -                        |
| 20-24 years .....       | 188,247 | 2,178                               | 41,254     | 88,312   | 45,678      | 7,685            | 3,140      | 76.5                     | 4.2                      |
| 25-29 years .....       | 134,784 | 1,624                               | 16,086     | 51,875   | 40,794      | 21,920           | 2,485      | 86.6                     | 16.6                     |
| 30-34 years .....       | 88,403  | 1,214                               | 7,715      | 30,240   | 25,884      | 21,387           | 1,963      | 89.7                     | 24.7                     |
| 35-39 years .....       | 45,746  | 791                                 | 4,183      | 14,697   | 12,724      | 12,145           | 1,206      | 88.8                     | 27.3                     |
| 40 years and over ..... | 9,626   | 287                                 | 884        | 3,023    | 2,488       | 2,642            | 302        | 87.4                     | 28.3                     |
| Hispanic <sup>2</sup>   |         |                                     |            |          |             |                  |            |                          |                          |
| All ages .....          | 764,339 | 158,351                             | 208,350    | 223,122  | 102,507     | 55,076           | 16,933     | 50.9                     | 7.4                      |
| Under 15 years .....    | 2,725   | 2,009                               | 595        | -        | -           | -                | 121        | -                        | -                        |
| 15-19 years .....       | 124,677 | 21,471                              | 66,410     | 29,894   | 3,952       | -                | 2,950      | 27.8                     | -                        |
| 15 years .....          | 7,288   | 2,488                               | 4,563      | -        | -           | -                | 237        | -                        | -                        |
| 16 years .....          | 15,828  | 3,041                               | 12,068     | 322      | -           | -                | 397        | 2.1                      | -                        |
| 17 years .....          | 25,113  | 3,941                               | 17,294     | 3,199    | 65          | -                | 614        | 13.3                     | -                        |
| 18 years .....          | 33,806  | 5,115                               | 16,470     | 10,692   | 780         | -                | 749        | 34.7                     | -                        |
| 19 years .....          | 42,642  | 6,886                               | 16,015     | 15,681   | 3,107       | -                | 953        | 45.1                     | -                        |
| 20-24 years .....       | 231,475 | 44,992                              | 65,256     | 78,955   | 32,008      | 5,189            | 5,075      | 51.3                     | 2.3                      |
| 25-29 years .....       | 203,985 | 42,908                              | 44,035     | 60,819   | 33,421      | 18,418           | 4,384      | 56.4                     | 9.2                      |
| 30-34 years .....       | 131,369 | 28,317                              | 22,464     | 36,321   | 21,855      | 19,637           | 2,775      | 60.5                     | 15.3                     |
| 35-39 years .....       | 58,146  | 14,664                              | 8,102      | 14,437   | 9,623       | 9,989            | 1,331      | 59.9                     | 17.6                     |
| 40 years and over ..... | 11,962  | 3,990                               | 1,488      | 2,696    | 1,648       | 1,843            | 297        | 53.0                     | 15.8                     |

- Quantity zero.

<sup>1</sup> Includes races other than white and black.<sup>2</sup> Includes all persons of Hispanic origin of any race.

**Table 22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation, race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1999**

| Period of gestation <sup>1</sup><br>and race and Hispanic origin<br>of mother | All<br>births | Weight gain during pregnancy |                 |                 |                 |                 |                 |                 |                      |               | Median<br>weight<br>gain in<br>pounds |
|---|---------------|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------|---------------|---------------------------------------|
|   |               | Less than<br>16 pounds       | 16-20<br>pounds | 21-25<br>pounds | 26-30<br>pounds | 31-35<br>pounds | 36-40<br>pounds | 41-45<br>pounds | 46 pounds<br>or more | Not<br>stated |                                       |
| Number  |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All gestation periods <sup>2</sup>  |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 3,440,909     | 372,648                      | 338,589         | 437,139         | 569,758         | 440,134         | 405,150         | 210,134         | 379,995              | 287,362       | ...                                   |
| White, total .....  | 2,710,960     | 270,242                      | 255,710         | 346,633         | 458,542         | 363,024         | 330,742         | 172,455         | 303,819              | 209,793       | ...                                   |
| White, non-Hispanic .....   | 2,174,114     | 207,934                      | 196,435         | 279,269         | 376,403         | 304,751         | 277,399         | 145,874         | 256,676              | 129,373       | ...                                   |
| Black, total .....  | 570,567       | 86,756                       | 65,658          | 68,028          | 83,552          | 56,959          | 57,211          | 29,589          | 63,748               | 59,066        | ...                                   |
| Black, non-Hispanic .....   | 554,731       | 84,865                       | 64,068          | 66,175          | 81,151          | 55,203          | 55,439          | 28,667          | 61,876               | 57,287        | ...                                   |
| Hispanic <sup>4</sup> .....   | 514,975       | 60,504                       | 57,889          | 65,119          | 78,687          | 55,720          | 51,051          | 25,475          | 45,344               | 75,186        | ...                                   |
| Under 37 weeks  |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 410,507       | 65,992                       | 49,643          | 52,953          | 59,966          | 41,302          | 37,517          | 19,307          | 38,516               | 45,311        | ...                                   |
| White, total .....  | 292,556       | 41,989                       | 33,878          | 38,728          | 44,137          | 31,735          | 28,422          | 14,949          | 29,166               | 29,552        | ...                                   |
| White, non-Hispanic .....   | 230,221       | 31,673                       | 25,968          | 31,015          | 35,788          | 26,280          | 23,398          | 12,541          | 24,681               | 18,877        | ...                                   |
| Black, total .....  | 100,218       | 21,345                       | 13,519          | 11,782          | 13,073          | 7,820           | 7,612           | 3,636           | 8,186                | 13,245        | ...                                   |
| Black, non-Hispanic .....   | 98,165        | 20,990                       | 13,263          | 11,527          | 12,786          | 7,654           | 7,437           | 3,561           | 8,021                | 12,926        | ...                                   |
| Hispanic <sup>4</sup> .....   | 60,691        | 10,153                       | 7,810           | 7,564           | 8,153           | 5,280           | 4,863           | 2,328           | 4,358                | 10,182        | ...                                   |
| 37-39 weeks   |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 1,662,072     | 174,748                      | 166,164         | 219,124         | 284,736         | 218,076         | 196,106         | 100,038         | 174,161              | 128,919       | ...                                   |
| White, total .....  | 1,313,147     | 128,635                      | 126,221         | 173,981         | 229,337         | 179,468         | 159,863         | 81,889          | 138,810              | 94,943        | ...                                   |
| White, non-Hispanic .....   | 1,057,509     | 99,663                       | 97,383          | 140,566         | 188,780         | 151,236         | 134,217         | 69,420          | 117,332              | 58,912        | ...                                   |
| Black, total .....  | 268,872       | 38,516                       | 31,067          | 33,367          | 40,874          | 28,188          | 27,767          | 14,191          | 29,548               | 25,354        | ...                                   |
| Black, non-Hispanic .....   | 261,595       | 37,664                       | 30,301          | 32,473          | 39,757          | 27,352          | 26,940          | 13,767          | 28,721               | 24,620        | ...                                   |
| Hispanic <sup>4</sup> .....   | 245,487       | 28,163                       | 28,144          | 32,308          | 38,817          | 27,045          | 24,588          | 11,960          | 20,768               | 33,694        | ...                                   |
| 40 weeks and over   |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 1,354,859     | 130,719                      | 122,117         | 164,195         | 224,142         | 180,121         | 170,934         | 90,517          | 166,743              | 105,371       | ...                                   |
| White, total .....  | 1,095,471     | 98,908                       | 95,134          | 133,286         | 184,373         | 151,312         | 142,003         | 75,406          | 135,409              | 79,640        | ...                                   |
| White, non-Hispanic .....   | 880,153       | 76,191                       | 72,762          | 107,220         | 151,363         | 126,898         | 119,464         | 63,766          | 114,378              | 48,111        | ...                                   |
| Black, total .....  | 199,168       | 26,485                       | 20,935          | 22,734          | 29,468          | 20,880          | 21,746          | 11,727          | 25,919               | 19,274        | ...                                   |
| Black, non-Hispanic .....   | 192,842       | 25,836                       | 20,367          | 22,033          | 28,474          | 20,129          | 20,981          | 11,305          | 25,041               | 18,676        | ...                                   |
| Hispanic <sup>4</sup> .....   | 205,967       | 21,985                       | 21,785          | 25,081          | 31,510          | 23,235          | 21,481          | 11,126          | 20,094               | 29,670        | ...                                   |
| Percent distribution  |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All gestation periods <sup>2</sup>  |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 100.0         | 11.8                         | 10.7            | 13.9            | 18.1            | 14.0            | 12.8            | 6.7             | 12.0                 | ...           | 30.5                                  |
| White, total .....  | 100.0         | 10.8                         | 10.2            | 13.9            | 18.3            | 14.5            | 13.2            | 6.9             | 12.1                 | ...           | 30.7                                  |
| White, non-Hispanic .....   | 100.0         | 10.2                         | 9.6             | 13.7            | 18.4            | 14.9            | 13.6            | 7.1             | 12.6                 | ...           | 30.8                                  |
| Black, total .....  | 100.0         | 17.0                         | 12.8            | 13.3            | 16.3            | 11.1            | 11.2            | 5.8             | 12.5                 | ...           | 30.0                                  |
| Black, non-Hispanic .....   | 100.0         | 17.1                         | 12.9            | 13.3            | 16.3            | 11.1            | 11.1            | 5.8             | 12.4                 | ...           | 30.0                                  |
| Hispanic <sup>4</sup> .....   | 100.0         | 13.8                         | 13.2            | 14.8            | 17.9            | 12.7            | 11.6            | 5.8             | 10.3                 | ...           | 29.8                                  |
| Under 37 weeks  |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 100.0         | 18.1                         | 13.6            | 14.5            | 16.4            | 11.3            | 10.3            | 5.3             | 10.5                 | ...           | 27.9                                  |
| White, total .....  | 100.0         | 16.0                         | 12.9            | 14.7            | 16.8            | 12.1            | 10.8            | 5.7             | 11.1                 | ...           | 28.9                                  |
| White, non-Hispanic .....   | 100.0         | 15.0                         | 12.3            | 14.7            | 16.9            | 12.4            | 11.1            | 5.9             | 11.7                 | ...           | 30.0                                  |
| Black, total .....  | 100.0         | 24.5                         | 15.5            | 13.5            | 15.0            | 9.0             | 8.8             | 4.2             | 9.4                  | ...           | 25.4                                  |
| Black, non-Hispanic .....   | 100.0         | 24.6                         | 15.6            | 13.5            | 15.0            | 9.0             | 8.7             | 4.2             | 9.4                  | ...           | 25.4                                  |
| Hispanic <sup>4</sup> .....   | 100.0         | 20.1                         | 15.5            | 15.0            | 16.1            | 10.5            | 9.6             | 4.6             | 8.6                  | ...           | 25.9                                  |
| 37-39 weeks   |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 100.0         | 11.4                         | 10.8            | 14.3            | 18.6            | 14.2            | 12.8            | 6.5             | 11.4                 | ...           | 30.5                                  |
| White, total .....  | 100.0         | 10.6                         | 10.4            | 14.3            | 18.8            | 14.7            | 13.1            | 6.7             | 11.4                 | ...           | 30.6                                  |
| White, non-Hispanic .....   | 100.0         | 10.0                         | 9.8             | 14.1            | 18.9            | 15.1            | 13.4            | 7.0             | 11.7                 | ...           | 30.7                                  |
| Black, total .....  | 100.0         | 15.8                         | 12.8            | 13.7            | 16.8            | 11.6            | 11.4            | 5.8             | 12.1                 | ...           | 30.1                                  |
| Black, non-Hispanic .....   | 100.0         | 15.9                         | 12.8            | 13.7            | 16.8            | 11.5            | 11.4            | 5.8             | 12.1                 | ...           | 30.1                                  |
| Hispanic <sup>4</sup> .....   | 100.0         | 13.3                         | 13.3            | 15.3            | 18.3            | 12.8            | 11.6            | 5.6             | 9.8                  | ...           | 29.6                                  |
| 40 weeks and over   |               |                              |                 |                 |                 |                 |                 |                 |                      |               |                                       |
| All races <sup>3</sup> .....  | 100.0         | 10.5                         | 9.8             | 13.1            | 17.9            | 14.4            | 13.7            | 7.2             | 13.3                 | ...           | 30.9                                  |
| White, total .....  | 100.0         | 9.7                          | 9.4             | 13.1            | 18.1            | 14.9            | 14.0            | 7.4             | 13.3                 | ...           | 31.0                                  |
| White, non-Hispanic .....   | 100.0         | 9.2                          | 8.7             | 12.9            | 18.2            | 15.3            | 14.4            | 7.7             | 13.7                 | ...           | 31.6                                  |
| Black, total .....  | 100.0         | 14.7                         | 11.6            | 12.6            | 16.4            | 11.6            | 12.1            | 6.5             | 14.4                 | ...           | 30.4                                  |
| Black, non-Hispanic .....   | 100.0         | 14.8                         | 11.7            | 12.7            | 16.3            | 11.6            | 12.0            | 6.5             | 14.4                 | ...           | 30.4                                  |
| Hispanic <sup>4</sup> .....   | 100.0         | 12.5                         | 12.4            | 14.2            | 17.9            | 13.2            | 12.2            | 6.3             | 11.4                 | ...           | 30.3                                  |

... Category not applicable.

<sup>1</sup> Expressed in completed weeks.<sup>2</sup> Includes births with period of gestation not stated.<sup>3</sup> Includes races other than white and black and origin not stated.<sup>4</sup> Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.



**Table 23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1999**

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

| Period of gestation <sup>1</sup><br>and race and Hispanic<br>origin of mother | Total | Weight gain during pregnancy |                 |                 |                 |                 |                 |                 |                      |               |
|---|-------|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------|---------------|
|   |       | Less than<br>16 pounds       | 16-20<br>pounds | 21-25<br>pounds | 26-30<br>pounds | 31-35<br>pounds | 36-40<br>pounds | 41-45<br>pounds | 46 pounds<br>or more | Not<br>stated |
| All gestation periods <sup>2</sup>  |       |                              |                 |                 |                 |                 |                 |                 |                      |               |
| All races <sup>3</sup> .....  | 7.8   | 13.9                         | 10.6            | 8.0             | 6.4             | 5.4             | 5.2             | 5.2             | 5.5                  | 11.7          |
| White, total .....  | 6.7   | 11.7                         | 9.2             | 7.0             | 5.6             | 4.9             | 4.7             | 4.8             | 5.1                  | 9.9           |
| White, non-Hispanic .....   | 6.7   | 11.8                         | 9.5             | 7.1             | 5.6             | 4.9             | 4.7             | 4.8             | 5.2                  | 10.6          |
| Black, total .....  | 13.2  | 21.1                         | 16.4            | 12.9            | 10.9            | 9.2             | 8.4             | 7.9             | 7.6                  | 18.8          |
| Black, non-Hispanic .....   | 13.3  | 21.2                         | 16.5            | 13.1            | 11.0            | 9.3             | 8.5             | 8.0             | 7.7                  | 18.9          |
| Hispanic, total <sup>4</sup> .....  | 6.8   | 11.3                         | 8.3             | 6.6             | 5.5             | 4.8             | 4.6             | 4.4             | 4.5                  | 8.6           |
| Mexican <sup>4</sup> .....  | 6.3   | 10.2                         | 7.3             | 6.0             | 5.0             | 4.4             | 4.3             | 4.1             | 4.1                  | 7.7           |
| Puerto Rican <sup>4</sup> .....   | 9.4   | 16.0                         | 12.1            | 9.7             | 8.3             | 6.5             | 6.3             | 5.5             | 5.6                  | 15.1          |
| Cuban <sup>4</sup> .....  | 6.8   | 12.0                         | 10.8            | 7.7             | 6.3             | 5.9             | 4.5             | 4.1             | 4.7                  | 14.8          |
| Central and South American <sup>4</sup> .....                                 | 6.4   | 11.6                         | 8.4             | 6.1             | 5.2             | 4.7             | 4.5             | 4.5             | 4.5                  | 8.2           |
| Other and unknown Hispanic <sup>4</sup> .....                                 | 7.8   | 13.8                         | 10.7            | 7.6             | 6.1             | 5.5             | 4.8             | 4.4             | 4.8                  | 11.8          |
| Under 37 weeks  |       |                              |                 |                 |                 |                 |                 |                 |                      |               |
| All races <sup>3</sup> .....  | 43.9  | 56.7                         | 48.9            | 42.5            | 38.2            | 36.0            | 35.4            | 36.4            | 36.0                 | 53.0          |
| White, total .....  | 41.7  | 53.9                         | 46.9            | 40.8            | 36.5            | 34.9            | 34.8            | 35.5            | 35.9                 | 50.1          |
| White, non-Hispanic .....   | 42.9  | 55.9                         | 48.9            | 42.3            | 37.5            | 36.0            | 36.0            | 36.7            | 36.8                 | 54.3          |
| Black, total .....  | 50.8  | 62.7                         | 54.5            | 48.6            | 44.2            | 40.6            | 38.9            | 40.1            | 37.1                 | 60.5          |
| Black, non-Hispanic .....   | 50.9  | 62.8                         | 54.6            | 48.8            | 44.3            | 40.8            | 38.9            | 40.4            | 37.2                 | 60.7          |
| Hispanic <sup>4</sup> .....   | 36.8  | 47.7                         | 40.1            | 34.6            | 32.2            | 29.4            | 29.1            | 28.8            | 29.3                 | 41.5          |
| 37-39 weeks   |       |                              |                 |                 |                 |                 |                 |                 |                      |               |
| All races <sup>3</sup> .....  | 4.1   | 6.3                          | 5.4             | 4.3             | 3.7             | 3.2             | 3.1             | 3.1             | 3.2                  | 5.0           |
| White, total .....  | 3.5   | 5.3                          | 4.7             | 3.8             | 3.2             | 2.8             | 2.7             | 2.7             | 2.8                  | 4.1           |
| White, non-Hispanic .....   | 3.5   | 5.3                          | 4.7             | 3.8             | 3.2             | 2.7             | 2.7             | 2.7             | 2.8                  | 4.0           |
| Black, total .....  | 6.8   | 9.6                          | 8.3             | 7.0             | 6.2             | 5.6             | 5.0             | 4.9             | 4.7                  | 8.3           |
| Black, non-Hispanic .....   | 6.8   | 9.7                          | 8.4             | 7.0             | 6.2             | 5.6             | 5.1             | 4.9             | 4.7                  | 8.3           |
| Hispanic <sup>4</sup> .....   | 3.8   | 5.3                          | 4.5             | 3.9             | 3.4             | 3.2             | 3.0             | 2.9             | 2.8                  | 4.3           |
| 40 weeks and over   |       |                              |                 |                 |                 |                 |                 |                 |                      |               |
| All races <sup>3</sup> .....  | 1.5   | 2.6                          | 2.2             | 1.7             | 1.3             | 1.1             | 1.0             | 1.0             | 0.9                  | 2.1           |
| White, total .....  | 1.2   | 2.1                          | 1.9             | 1.4             | 1.1             | 1.0             | 0.8             | 0.8             | 0.8                  | 1.7           |
| White, non-Hispanic .....   | 1.2   | 2.1                          | 1.9             | 1.4             | 1.1             | 0.9             | 0.8             | 0.8             | 0.8                  | 1.5           |
| Black, total .....  | 2.9   | 4.6                          | 3.7             | 3.2             | 2.7             | 2.3             | 2.0             | 1.6             | 1.7                  | 4.0           |
| Black, non-Hispanic .....   | 3.0   | 4.6                          | 3.8             | 3.2             | 2.7             | 2.4             | 2.1             | 1.7             | 1.7                  | 4.0           |
| Hispanic <sup>4</sup> .....   | 1.5   | 2.2                          | 1.7             | 1.6             | 1.3             | 1.1             | 0.9             | 0.8             | 1.0                  | 2.0           |

<sup>1</sup> Expressed in completed weeks.<sup>2</sup> Includes births with period of gestation not stated.<sup>3</sup> Includes races other than white and black and origin not stated.<sup>4</sup> Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

**Table 24. Percent of births with selected medical or health characteristics, by detailed race of mother, by place of birth of mother: United States, 1999**

| Characteristic   | All races | White | Black | American Indian <sup>1</sup> | Asian or Pacific Islander |         |          |          |          |       |
|--|-----------|-------|-------|------------------------------|---------------------------|---------|----------|----------|----------|-------|
|  |           |       |       |                              | Total                     | Chinese | Japanese | Hawaiian | Filipino | Other |
| <b>All Births</b>  |           |       |       |                              |                           |         |          |          |          |       |
| <b>Mother</b>  |           |       |       |                              |                           |         |          |          |          |       |
| Prenatal care beginning in the first trimester .....         | 83.2      | 85.1  | 74.1  | 69.5                         | 83.7                      | 88.5    | 90.7     | 79.6     | 84.2     | 81.8  |
| Late or no prenatal care .....                               | 3.8       | 3.2   | 6.6   | 8.2                          | 3.5                       | 2.0     | 2.1      | 4.0      | 2.8      | 4.1   |
| Smoker <sup>2</sup> .....                                    | 12.6      | 13.6  | 9.3   | 20.2                         | 2.9                       | 0.5     | 4.5      | 14.7     | 3.3      | 2.3   |
| Drinker <sup>3</sup> .....                                   | 1.0       | 1.0   | 1.2   | 3.5                          | 0.3                       | 0.2     | 1.0      | 0.8      | 0.2      | 0.3   |
| Weight gain of less than 16 lbs <sup>4</sup> .....           | 11.8      | 10.8  | 17.0  | 15.9                         | 9.7                       | 6.5     | 10.8     | 9.6      | 8.3      | 10.6  |
| Median weight gain <sup>4</sup> .....                        | 30.5      | 30.7  | 30.0  | 30.1                         | 30.1                      | 30.4    | 26.3     | 30.9     | 30.5     | 30.0  |
| Cesarean delivery rate .....                                 | 22.0      | 21.9  | 23.2  | 18.9                         | 20.2                      | 20.3    | 16.5     | 14.3     | 23.6     | 19.8  |
| <b>Infant</b>  |           |       |       |                              |                           |         |          |          |          |       |
| Preterm births <sup>5</sup> .....                            | 11.8      | 10.7  | 17.5  | 12.9                         | 10.4                      | 7.6     | 9.3      | 12.3     | 12.4     | 10.7  |
| <b>Birthweight</b>   |           |       |       |                              |                           |         |          |          |          |       |
| Very low birthweight <sup>6</sup> .....                      | 1.5       | 1.2   | 3.1   | 1.3                          | 1.1                       | 0.7     | 0.9      | 1.4      | 1.4      | 1.1   |
| Low birthweight <sup>7</sup> .....                           | 7.6       | 6.6   | 13.1  | 7.1                          | 7.4                       | 5.2     | 7.9      | 7.7      | 8.3      | 7.8   |
| 4,000 grams or more <sup>8</sup> .....                       | 9.9       | 11.0  | 5.4   | 12.2                         | 5.8                       | 6.7     | 4.8      | 8.5      | 6.1      | 5.5   |
| 5-minute Apgar score of less than 7 <sup>9</sup> ..          | 1.4       | 1.2   | 2.4   | 1.5                          | 1.0                       | 0.6     | 1.2      | 2.0      | 1.1      | 1.0   |
| <b>Births to mothers born in the 50 States and D.C.</b>      |           |       |       |                              |                           |         |          |          |          |       |
| <b>Mother</b>  |           |       |       |                              |                           |         |          |          |          |       |
| Prenatal care beginning in the first trimester .....         | 84.7      | 87.2  | 73.9  | 69.5                         | 82.5                      | 91.3    | 92.6     | 79.8     | 82.3     | 78.7  |
| Late or no prenatal care .....                               | 3.3       | 2.5   | 6.6   | 8.2                          | 3.4                       | 1.5     | 1.6      | 3.8      | 3.2      | 4.4   |
| Smoker <sup>2</sup> .....                                    | 14.6      | 15.5  | 10.3  | 20.9                         | 9.4                       | 3.4     | 6.3      | 14.8     | 7.9      | 8.4   |
| Drinker <sup>3</sup> .....                                   | 1.1       | 1.0   | 1.3   | 3.6                          | 0.7                       | *       | *        | 0.8      | *        | 0.8   |
| Weight gain of less than 16 lbs <sup>4</sup> .....           | 11.7      | 10.4  | 17.3  | 16.0                         | 8.7                       | 7.2     | 10.1     | 9.5      | 8.1      | 8.3   |
| Median weight gain <sup>4</sup> .....                        | 30.6      | 30.8  | 30.0  | 30.1                         | 30.6                      | 30.4    | 27.9     | 30.9     | 30.8     | 30.8  |
| Cesarean delivery rate .....                                 | 22.1      | 22.1  | 22.9  | 18.9                         | 16.9                      | 17.2    | 18.4     | 14.4     | 17.5     | 17.5  |
| <b>Infant</b>  |           |       |       |                              |                           |         |          |          |          |       |
| Preterm births <sup>5</sup> .....                            | 12.0      | 10.7  | 17.9  | 12.8                         | 11.7                      | 9.7     | 10.6     | 12.3     | 12.7     | 11.8  |
| <b>Birthweight</b>   |           |       |       |                              |                           |         |          |          |          |       |
| Very low birthweight <sup>6</sup> .....                      | 1.5       | 1.2   | 3.2   | 1.3                          | 1.3                       | 0.9     | 0.9      | 1.4      | 1.6      | 1.3   |
| Low birthweight <sup>7</sup> .....                           | 7.9       | 6.7   | 13.5  | 7.1                          | 8.2                       | 7.0     | 8.2      | 7.7      | 8.9      | 8.4   |
| 4,000 grams or more <sup>8</sup> .....                       | 10.2      | 11.2  | 5.0   | 12.4                         | 7.1                       | 6.7     | 5.9      | 8.5      | 6.0      | 7.5   |
| 5-minute Apgar score of less than 7 <sup>9</sup> ..          | 1.5       | 1.2   | 2.5   | 1.5                          | 1.5                       | *       | 1.5      | 2.0      | 1.3      | 1.4   |
| <b>Births to mothers born outside the 50 States and D.C.</b> |           |       |       |                              |                           |         |          |          |          |       |
| <b>Mother</b>  |           |       |       |                              |                           |         |          |          |          |       |
| Prenatal care beginning in the first trimester .....         | 77.1      | 75.5  | 76.0  | 70.0                         | 83.9                      | 88.3    | 89.4     | 71.0     | 84.7     | 82.2  |
| Late or no prenatal care .....                               | 5.8       | 6.3   | 6.6   | 9.2                          | 3.5                       | 2.1     | 2.5      | *        | 2.7      | 4.1   |
| Smoker <sup>2</sup> .....                                    | 2.3       | 2.7   | 1.5   | 4.8                          | 1.5                       | 0.3     | 3.2      | *        | 2.1      | 1.6   |
| Drinker <sup>3</sup> .....                                   | 0.4       | 0.5   | 0.4   | *                            | 0.2                       | 0.1     | 1.4      | *        | 0.2      | 0.2   |
| Weight gain of less than 16 lbs <sup>4</sup> .....           | 12.6      | 13.1  | 13.8  | 13.3                         | 9.9                       | 6.4     | 11.2     | *        | 8.3      | 10.9  |
| Median weight gain <sup>4</sup> .....                        | 29.7      | 29.5  | 30.0  | 29.4                         | 30.0                      | 30.4    | 25.8     | 30.4     | 30.4     | 29.5  |
| Cesarean delivery rate .....                                 | 21.4      | 21.0  | 25.5  | 19.4                         | 20.8                      | 20.7    | 15.2     | *        | 25.1     | 20.1  |
| <b>Infant</b>  |           |       |       |                              |                           |         |          |          |          |       |
| Preterm births <sup>5</sup> .....                            | 10.8      | 10.5  | 13.9  | 13.3                         | 10.2                      | 7.3     | 8.4      | *        | 12.3     | 10.5  |
| <b>Birthweight</b>   |           |       |       |                              |                           |         |          |          |          |       |
| Very low birthweight <sup>6</sup> .....                      | 1.1       | 1.0   | 2.4   | 1.0                          | 1.0                       | 0.6     | 0.8      | *        | 1.4      | 1.0   |
| Low birthweight <sup>7</sup> .....                           | 6.4       | 5.8   | 9.6   | 7.9                          | 7.3                       | 5.0     | 7.8      | *        | 8.1      | 7.7   |
| 4,000 grams or more <sup>8</sup> .....                       | 9.1       | 10.0  | 8.6   | 7.2                          | 5.6                       | 6.7     | 4.1      | *        | 6.1      | 5.2   |
| 5-minute Apgar score of less than 7 <sup>9</sup> ..          | 1.1       | 1.0   | 1.8   | *                            | 0.9                       | 0.6     | 1.0      | *        | 1.1      | 1.0   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes births to Aleuts and Eskimos.<sup>2</sup> Excludes data for California and South Dakota, which did not report tobacco use on the birth certificate.<sup>3</sup> Excludes data for California and South Dakota, which did not report alcohol use on the birth certificate.<sup>4</sup> Excludes data for California, which did not report weight gain on the birth certificate. Median weight shown in pounds.<sup>5</sup> Born prior to 37 completed weeks of gestation.<sup>6</sup> Birthweight of less than 1,500 grams (3 lb 4 oz).<sup>7</sup> Birthweight of less than 2,500 grams (5 lb 8 oz).<sup>8</sup> Equivalent to 8 lb 14 oz.<sup>9</sup> Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1999**

| Characteristic   | Origin of mother         |          |         |              |       |                            |                            |                    |       |       |
|--|--------------------------|----------|---------|--------------|-------|----------------------------|----------------------------|--------------------|-------|-------|
|  | All origins <sup>1</sup> | Hispanic |         |              |       |                            |                            | Non-Hispanic       |       |       |
|  |                          | Total    | Mexican | Puerto Rican | Cuban | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White | Black |
| <b>All Births</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| <b>Mother</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| Prenatal care beginning in the first trimester .....         | 83.2                     | 74.4     | 73.1    | 77.7         | 91.4  | 77.6                       | 74.8                       | 85.3               | 88.4  | 74.1  |
| Late or no prenatal care .....                               | 3.8                      | 6.3      | 6.7     | 5.0          | 1.4   | 5.2                        | 6.3                        | 3.2                | 2.3   | 6.6   |
| Smoker <sup>3</sup> .....                                    | 12.6                     | 3.7      | 2.6     | 10.5         | 3.3   | 1.4                        | 7.7                        | 14.1               | 15.9  | 9.4   |
| Drinker <sup>4</sup> .....                                   | 1.0                      | 0.6      | 0.5     | 0.8          | 0.3   | 0.3                        | 1.3                        | 1.1                | 1.0   | 1.2   |
| Weight gain of less than 16 lbs <sup>5</sup> .....           | 11.8                     | 13.8     | 15.0    | 12.8         | 7.1   | 12.0                       | 12.0                       | 11.5               | 10.2  | 17.1  |
| Median weight gain <sup>5</sup> .....                        | 30.5                     | 29.8     | 28.5    | 30.5         | 32.3  | 30.2                       | 30.3                       | 30.6               | 30.8  | 30.0  |
| Cesarean delivery rate .....                                 | 22.0                     | 21.2     | 20.6    | 21.5         | 33.2  | 23.1                       | 20.5                       | 22.2               | 22.1  | 23.2  |
| <b>Infant</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| Preterm births <sup>6</sup> .....                            | 11.8                     | 11.4     | 11.1    | 13.7         | 11.5  | 11.4                       | 11.9                       | 11.9               | 10.5  | 17.6  |
| <b>Birthweight</b>   |                          |          |         |              |       |                            |                            |                    |       |       |
| Very low birthweight <sup>7</sup> .....                      | 1.5                      | 1.1      | 1.0     | 1.9          | 1.5   | 1.1                        | 1.3                        | 1.5                | 1.2   | 3.2   |
| Low birthweight <sup>8</sup> .....                           | 7.6                      | 6.4      | 5.9     | 9.3          | 6.8   | 6.4                        | 7.6                        | 7.9                | 6.6   | 13.2  |
| 4,000 grams or more <sup>9</sup> .....                       | 9.9                      | 9.0      | 9.4     | 6.9          | 9.6   | 9.1                        | 7.6                        | 10.1               | 11.6  | 5.3   |
| 5-minute Apgar score of less than 7 <sup>10</sup> ...        | 1.4                      | 1.1      | 1.2     | 1.3          | 0.7   | 0.9                        | 1.1                        | 1.5                | 1.2   | 2.4   |
| <b>Births to mothers born in the 50 States and D.C.</b>      |                          |          |         |              |       |                            |                            |                    |       |       |
| <b>Mother</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| Prenatal care beginning in the first trimester .....         | 84.7                     | 77.0     | 76.6    | 77.6         | 91.2  | 82.4                       | 75.1                       | 85.6               | 88.5  | 73.9  |
| Late or no prenatal care .....                               | 3.3                      | 5.0      | 5.0     | 5.0          | 1.5   | 3.4                        | 6.1                        | 3.1                | 2.2   | 6.6   |
| Smoker <sup>3</sup> .....                                    | 14.6                     | 7.0      | 5.2     | 11.9         | 4.7   | 4.8                        | 9.7                        | 15.2               | 16.4  | 10.2  |
| Drinker <sup>4</sup> .....                                   | 1.1                      | 1.0      | 0.9     | 0.9          | 0.5   | 0.7                        | 1.6                        | 1.1                | 1.0   | 1.3   |
| Weight gain of less than 16 lbs <sup>5</sup> .....           | 11.7                     | 12.6     | 13.2    | 12.1         | 7.4   | 9.4                        | 12.3                       | 11.6               | 10.2  | 17.4  |
| Median weight gain <sup>5</sup> .....                        | 30.6                     | 29.8     | 28.5    | 30.5         | 32.3  | 30.2                       | 30.3                       | 30.6               | 30.8  | 30.0  |
| Cesarean delivery rate .....                                 | 22.1                     | 21.2     | 21.1    | 21.2         | 28.3  | 21.4                       | 20.1                       | 22.2               | 22.2  | 22.9  |
| <b>Infant</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| Preterm births <sup>6</sup> .....                            | 12.0                     | 12.3     | 12.1    | 13.8         | 11.1  | 11.1                       | 12.4                       | 12.0               | 10.6  | 18.0  |
| <b>Birthweight</b>   |                          |          |         |              |       |                            |                            |                    |       |       |
| Very low birthweight <sup>7</sup> .....                      | 1.5                      | 1.3      | 1.2     | 1.9          | 1.8   | 1.5                        | 1.4                        | 1.5                | 1.2   | 3.2   |
| Low birthweight <sup>8</sup> .....                           | 7.9                      | 7.2      | 6.7     | 9.4          | 6.8   | 7.1                        | 8.2                        | 8.0                | 6.7   | 13.6  |
| 4,000 grams or more <sup>9</sup> .....                       | 10.2                     | 8.1      | 8.4     | 7.1          | 8.7   | 8.7                        | 7.1                        | 10.4               | 11.6  | 5.0   |
| 5-minute Apgar score of less than 7 <sup>10</sup> ...        | 1.5                      | 1.2      | 1.2     | 1.3          | 0.6   | 1.1                        | 1.2                        | 1.5                | 1.2   | 2.5   |
| <b>Births to mothers born outside the 50 States and D.C.</b> |                          |          |         |              |       |                            |                            |                    |       |       |
| <b>Mother</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| Prenatal care beginning in the first trimester .....         | 77.1                     | 72.8     | 70.8    | 78.0         | 91.6  | 77.1                       | 74.8                       | 83.2               | 85.5  | 76.3  |
| Late or no prenatal care .....                               | 5.8                      | 7.1      | 7.8     | 4.9          | 1.3   | 5.4                        | 6.4                        | 4.0                | 3.6   | 6.5   |
| Smoker <sup>3</sup> .....                                    | 2.3                      | 1.5      | 0.9     | 7.8          | 2.4   | 1.1                        | 2.1                        | 3.3                | 6.2   | 1.4   |
| Drinker <sup>4</sup> .....                                   | 0.4                      | 0.3      | 0.3     | 0.8          | *     | 0.3                        | 0.4                        | 0.6                | 1.0   | 0.3   |
| Weight gain of less than 16 lbs <sup>5</sup> .....           | 12.6                     | 14.6     | 16.3    | 14.0         | 6.8   | 12.3                       | 11.3                       | 10.3               | 8.7   | 14.2  |
| Median weight gain <sup>5</sup> .....                        | 29.7                     | 28.3     | 26.6    | 30.2         | 32.1  | 30.1                       | 30.2                       | 30.3               | 30.7  | 29.7  |
| Cesarean delivery rate .....                                 | 21.4                     | 21.2     | 20.2    | 22.1         | 36.6  | 23.3                       | 22.0                       | 21.6               | 20.7  | 25.4  |
| <b>Infant</b>  |                          |          |         |              |       |                            |                            |                    |       |       |
| Preterm births <sup>6</sup> .....                            | 10.8                     | 10.9     | 10.5    | 13.5         | 11.7  | 11.5                       | 10.1                       | 10.6               | 9.3   | 14.2  |
| <b>Birthweight</b>   |                          |          |         |              |       |                            |                            |                    |       |       |
| Very low birthweight <sup>7</sup> .....                      | 1.1                      | 1.0      | 0.9     | 1.7          | 1.3   | 1.1                        | 1.0                        | 1.3                | 1.0   | 2.6   |
| Low birthweight <sup>8</sup> .....                           | 6.4                      | 5.8      | 5.4     | 9.1          | 6.8   | 6.3                        | 5.5                        | 7.3                | 6.0   | 9.9   |
| 4,000 grams or more <sup>9</sup> .....                       | 9.1                      | 9.7      | 10.0    | 6.6          | 10.3  | 9.2                        | 9.0                        | 8.3                | 11.4  | 8.5   |
| 5-minute Apgar score of less than 7 <sup>10</sup> ...        | 1.1                      | 1.1      | 1.2     | 1.3          | 0.7   | 0.9                        | 0.9                        | 1.1                | 0.9   | 1.9   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or denominator.

<sup>1</sup> Includes origin not stated.<sup>2</sup> Includes races other than white and black.<sup>3</sup> Excludes data for California and South Dakota, which did not report tobacco use on the birth certificate.<sup>4</sup> Excludes data for California and South Dakota, which did not report alcohol use on the birth certificate.<sup>5</sup> Excludes data for California, which did not report weight gain on the birth certificate. Median weight gain shown in pounds.<sup>6</sup> Born prior to 37 completed weeks of gestation.<sup>7</sup> Birthweight of less than 1,500 grams (3 lb 4 oz).<sup>8</sup> Birthweight of less than 2,500 grams (5 lb 8 oz).<sup>9</sup> Equivalent to 8 lb 14 oz.<sup>10</sup> Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 1999**

[Rates are number of live births with specified medical risk factor per 1,000 live births in specified group]

| Medical risk factor and race of mother                     | All births <sup>1</sup> | Medical risk factor reported | Age of mother |                |             |             |             |             |             | Not stated <sup>2</sup> |
|--|-------------------------|------------------------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
|  |                         |                              | All ages      | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |                         |
| <b>All races<sup>3</sup></b>                               |                         |                              |               |                |             |             |             |             |             |                         |
| Anemia .....   | 3,959,417               | 90,322                       | 23.2          | 33.1           | 28.3        | 20.9        | 18.0        | 18.0        | 18.2        | 63,752                  |
| Cardiac disease .....                                      | 3,959,417               | 20,189                       | 5.2           | 2.8            | 3.5         | 5.0         | 6.7         | 8.0         | 9.7         | 63,752                  |
| Acute or chronic lung disease .....                        | 3,959,417               | 43,117                       | 11.1          | 13.8           | 12.0        | 10.2        | 9.9         | 10.2        | 12.0        | 63,752                  |
| Diabetes .....   | 3,959,417               | 106,413                      | 27.3          | 8.3            | 16.3        | 26.9        | 36.1        | 49.0        | 64.8        | 63,752                  |
| Genital herpes <sup>4</sup> .....                          | 3,610,172               | 33,636                       | 9.5           | 6.3            | 8.2         | 9.1         | 11.2        | 12.4        | 13.2        | 61,402                  |
| Hydramnios/Oligohydramnios .....                           | 3,959,417               | 52,704                       | 13.5          | 14.7           | 13.8        | 12.9        | 12.7        | 14.1        | 17.5        | 63,752                  |
| Hemoglobinopathy .....                                     | 3,959,417               | 3,165                        | 0.8           | 1.0            | 1.0         | 0.7         | 0.7         | 0.7         | 0.9         | 63,752                  |
| Hypertension, chronic .....                                | 3,959,417               | 27,912                       | 7.2           | 2.5            | 4.3         | 6.5         | 8.7         | 14.0        | 24.5        | 63,752                  |
| Hypertension, pregnancy-associated .....                   | 3,959,417               | 148,837                      | 38.2          | 43.3           | 38.4        | 37.8        | 34.9        | 38.1        | 47.7        | 63,752                  |
| Eclampsia .....  | 3,959,417               | 11,993                       | 3.1           | 4.4            | 3.2         | 2.8         | 2.6         | 2.9         | 4.0         | 63,752                  |
| Incompetent cervix .....                                   | 3,959,417               | 11,344                       | 2.9           | 1.3            | 2.1         | 2.8         | 3.7         | 4.7         | 5.0         | 63,752                  |
| Previous infant 4000+ grams .....                          | 3,959,417               | 42,610                       | 10.9          | 1.3            | 6.2         | 11.7        | 15.6        | 18.9        | 21.5        | 63,752                  |
| Previous preterm or small-for-gestational-age infant ..... | 3,959,417               | 47,311                       | 12.1          | 4.9            | 12.2        | 12.7        | 13.2        | 15.6        | 16.2        | 63,752                  |
| Renal disease .....  | 3,959,417               | 11,038                       | 2.8           | 2.8            | 3.1         | 2.9         | 2.7         | 2.5         | 2.4         | 63,752                  |
| Rh sensitization <sup>5</sup> .....                        | 3,920,635               | 25,448                       | 6.6           | 5.5            | 6.1         | 6.9         | 7.1         | 7.3         | 7.0         | 65,468                  |
| Uterine bleeding <sup>4</sup> .....                        | 3,610,172               | 22,332                       | 6.3           | 4.4            | 5.5         | 6.3         | 7.1         | 7.7         | 9.3         | 61,402                  |
| <b>White</b>   |                         |                              |               |                |             |             |             |             |             |                         |
| Anemia .....   | 3,132,501               | 62,826                       | 20.4          | 29.3           | 24.3        | 18.7        | 16.5        | 16.5        | 16.4        | 48,976                  |
| Cardiac disease .....                                      | 3,132,501               | 17,004                       | 5.5           | 2.8            | 3.6         | 5.2         | 7.2         | 8.5         | 10.4        | 48,976                  |
| Acute or chronic lung disease .....                        | 3,132,501               | 32,523                       | 10.5          | 12.5           | 11.1        | 9.9         | 9.8         | 10.2        | 12.1        | 48,976                  |
| Diabetes .....   | 3,132,501               | 81,524                       | 26.4          | 8.5            | 16.2        | 25.9        | 33.5        | 45.3        | 59.6        | 48,976                  |
| Genital herpes <sup>4</sup> .....                          | 2,834,420               | 26,317                       | 9.4           | 5.5            | 7.3         | 8.7         | 11.7        | 13.4        | 14.7        | 47,006                  |
| Hydramnios/Oligohydramnios .....                           | 3,132,501               | 39,850                       | 12.9          | 14.1           | 13.2        | 12.3        | 12.2        | 13.4        | 16.8        | 48,976                  |
| Hemoglobinopathy .....                                     | 3,132,501               | 1,109                        | 0.4           | 0.3            | 0.3         | 0.4         | 0.4         | 0.4         | 0.4         | 48,976                  |
| Hypertension, chronic .....                                | 3,132,501               | 19,139                       | 6.2           | 2.1            | 3.8         | 5.7         | 7.4         | 11.3        | 19.2        | 48,976                  |
| Hypertension, pregnancy-associated .....                   | 3,132,501               | 119,203                      | 38.7          | 42.8           | 39.5        | 39.0        | 35.2        | 37.8        | 46.8        | 48,976                  |
| Eclampsia .....  | 3,132,501               | 8,909                        | 2.9           | 4.0            | 3.0         | 2.7         | 2.5         | 2.8         | 3.6         | 48,976                  |
| Incompetent cervix .....                                   | 3,132,501               | 7,860                        | 2.5           | 1.2            | 1.7         | 2.4         | 3.2         | 4.3         | 4.8         | 48,976                  |
| Previous infant 4000+ grams .....                          | 3,132,501               | 38,000                       | 12.3          | 1.4            | 6.9         | 12.8        | 17.1        | 20.8        | 24.1        | 48,976                  |
| Previous preterm or small-for-gestational-age infant ..... | 3,132,501               | 36,306                       | 11.8          | 4.6            | 11.5        | 12.1        | 12.9        | 15.2        | 15.9        | 48,976                  |
| Renal disease .....  | 3,132,501               | 9,338                        | 3.0           | 3.2            | 3.3         | 3.1         | 2.9         | 2.6         | 2.5         | 48,976                  |
| Rh sensitization <sup>5</sup> .....                        | 3,097,890               | 23,064                       | 7.6           | 6.6            | 7.0         | 7.7         | 8.0         | 8.2         | 7.9         | 50,467                  |
| Uterine bleeding <sup>4</sup> .....                        | 2,834,420               | 18,418                       | 6.6           | 4.7            | 5.8         | 6.6         | 7.4         | 8.0         | 9.5         | 47,006                  |
| <b>Black</b>   |                         |                              |               |                |             |             |             |             |             |                         |
| Anemia .....   | 605,970                 | 22,134                       | 37.0          | 41.6           | 41.8        | 33.7        | 30.0        | 29.7        | 28.4        | 7,075                   |
| Cardiac disease .....                                      | 605,970                 | 2,508                        | 4.2           | 2.7            | 3.6         | 4.4         | 5.4         | 7.0         | 6.7         | 7,075                   |
| Acute or chronic lung disease .....                        | 605,970                 | 9,101                        | 15.2          | 17.7           | 16.1        | 14.1        | 12.8        | 13.0        | 14.1        | 7,075                   |
| Diabetes .....   | 605,970                 | 15,326                       | 25.6          | 7.2            | 15.3        | 28.6        | 44.2        | 60.3        | 77.7        | 7,075                   |
| Genital herpes <sup>4</sup> .....                          | 565,873                 | 6,334                        | 11.3          | 8.5            | 12.0        | 13.3        | 12.1        | 9.8         | 8.6         | 6,825                   |
| Hydramnios/Oligohydramnios .....                           | 605,970                 | 10,126                       | 16.9          | 16.6           | 16.0        | 16.7        | 17.2        | 19.8        | 24.3        | 7,075                   |
| Hemoglobinopathy .....                                     | 605,970                 | 1,906                        | 3.2           | 3.0            | 3.5         | 2.9         | 3.0         | 3.1         | 4.1         | 7,075                   |
| Hypertension, chronic .....                                | 605,970                 | 7,727                        | 12.9          | 3.6            | 6.4         | 12.7        | 21.4        | 37.6        | 64.1        | 7,075                   |
| Hypertension, pregnancy-associated .....                   | 605,970                 | 24,229                       | 40.5          | 45.0           | 36.5        | 37.2        | 41.8        | 47.9        | 59.4        | 7,075                   |
| Eclampsia .....  | 605,970                 | 2,518                        | 4.2           | 5.3            | 3.7         | 4.0         | 3.9         | 4.4         | 5.9         | 7,075                   |
| Incompetent cervix .....                                   | 605,970                 | 3,060                        | 5.1           | 1.7            | 3.9         | 6.1         | 8.5         | 9.2         | 7.3         | 7,075                   |
| Previous infant 4000+ grams .....                          | 605,970                 | 2,892                        | 4.8           | 0.8            | 3.4         | 6.4         | 7.9         | 9.8         | 8.7         | 7,075                   |
| Previous preterm or small-for-gestational-age infant ..... | 605,970                 | 8,895                        | 14.9          | 5.9            | 15.0        | 18.2        | 18.0        | 20.6        | 20.5        | 7,075                   |
| Renal disease .....  | 605,970                 | 1,299                        | 2.2           | 1.9            | 2.5         | 2.1         | 1.9         | 2.3         | 2.1         | 7,075                   |
| Rh sensitization <sup>5</sup> .....                        | 603,115                 | 1,977                        | 3.3           | 2.8            | 3.4         | 3.5         | 3.4         | 3.4         | 4.4         | 7,266                   |
| Uterine bleeding <sup>4</sup> .....                        | 565,873                 | 2,659                        | 4.8           | 3.6            | 4.4         | 5.1         | 5.5         | 6.4         | 7.1         | 6,825                   |

<sup>1</sup> Total number of births to residents of areas reporting specified medical risk factor.<sup>2</sup> No response reported for the medical risk factor item.<sup>3</sup> Includes races other than white and black.<sup>4</sup> Texas does not report this risk factor.<sup>5</sup> Kansas does not report this risk factor.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by detailed race of mother: United States, 1999**

[Rates are number of live births with specified risk factors, complications, or procedures per 1,000 live births in specified group]

| Medical risk factor,<br>complication, and<br>obstetric procedure | All races | White     | Black   | American<br>Indian <sup>1</sup> | Asian or Pacific Islander |         |          |          |          |        |
|--|-----------|-----------|---------|---------------------------------|---------------------------|---------|----------|----------|----------|--------|
|  |           |           |         |                                 | Total                     | Chinese | Japanese | Hawaiian | Filipino | Other  |
| Number   |           |           |         |                                 |                           |         |          |          |          |        |
| Medical risk factors   |           |           |         |                                 |                           |         |          |          |          |        |
| Anemia .....   | 90,322    | 62,826    | 22,134  | 2,063                           | 3,299                     | 286     | 159      | 213      | 475      | 2,166  |
| Diabetes .....   | 106,413   | 81,524    | 15,326  | 1,878                           | 7,685                     | 1,275   | 244      | 147      | 1,467    | 4,552  |
| Hypertension, pregnancy-associated .....                         | 148,837   | 119,203   | 24,229  | 1,877                           | 3,528                     | 347     | 174      | 205      | 893      | 1,909  |
| Uterine bleeding <sup>2</sup> .....                              | 22,332    | 18,418    | 2,659   | 303                             | 952                       | 137     | 66       | 51       | 163      | 535    |
| Complications of labor and/or delivery                           |           |           |         |                                 |                           |         |          |          |          |        |
| Meconium, moderate/heavy .....                                   | 213,698   | 156,049   | 45,488  | 2,213                           | 9,948                     | 1,471   | 307      | 324      | 1,953    | 5,893  |
| Premature rupture of membrane .....                              | 100,130   | 75,850    | 18,460  | 1,492                           | 4,328                     | 633     | 255      | 168      | 745      | 2,527  |
| Dysfunctional labor .....  | 105,795   | 84,394    | 15,292  | 1,393                           | 4,716                     | 877     | 214      | 153      | 779      | 2,693  |
| Breech/Malpresentation .....                                     | 152,084   | 126,242   | 18,256  | 1,411                           | 6,175                     | 1,079   | 332      | 191      | 1,017    | 3,556  |
| Cephalopelvic disproportion .....                                | 71,604    | 58,220    | 8,644   | 640                             | 4,100                     | 661     | 162      | 88       | 847      | 2,342  |
| Fetal distress <sup>3</sup> .....                                | 140,756   | 105,319   | 28,085  | 1,414                           | 5,938                     | 880     | 194      | 129      | 997      | 3,738  |
| Obstetric procedures   |           |           |         |                                 |                           |         |          |          |          |        |
| Amniocentesis .....  | 103,874   | 87,511    | 9,296   | 669                             | 6,398                     | 1,862   | 614      | 161      | 929      | 2,832  |
| Electronic fetal monitoring .....                                | 3,296,037 | 2,614,055 | 508,057 | 32,248                          | 141,677                   | 22,609  | 6,529    | 4,213    | 23,533   | 84,793 |
| Induction of labor .....   | 775,245   | 648,095   | 95,500  | 7,730                           | 23,920                    | 3,531   | 1,190    | 777      | 3,584    | 14,838 |
| Ultrasound .....   | 2,579,276 | 2,081,638 | 362,419 | 23,781                          | 111,438                   | 19,116  | 5,333    | 3,022    | 18,569   | 65,398 |
| Stimulation of labor .....                                       | 702,784   | 566,588   | 97,708  | 6,157                           | 32,331                    | 5,313   | 1,401    | 618      | 4,721    | 20,278 |
| Rate   |           |           |         |                                 |                           |         |          |          |          |        |
| Medical risk factors   |           |           |         |                                 |                           |         |          |          |          |        |
| Anemia .....   | 23.2      | 20.4      | 37.0    | 53.7                            | 18.9                      | 10.1    | 19.9     | 41.4     | 16.1     | 20.9   |
| Diabetes .....   | 27.3      | 26.4      | 25.6    | 48.9                            | 44.0                      | 45.0    | 30.5     | 28.6     | 49.8     | 43.8   |
| Hypertension, pregnancy-associated .....                         | 38.2      | 38.7      | 40.5    | 48.8                            | 20.2                      | 12.2    | 21.7     | 39.9     | 30.3     | 18.4   |
| Uterine bleeding <sup>2</sup> .....                              | 6.3       | 6.6       | 4.8     | 8.1                             | 5.8                       | 5.1     | 8.5      | 10.0     | 5.8      | 5.5    |
| Complications of labor and/or delivery                           |           |           |         |                                 |                           |         |          |          |          |        |
| Meconium, moderate/heavy .....                                   | 54.7      | 50.5      | 75.8    | 57.4                            | 56.3                      | 51.4    | 36.8     | 58.6     | 65.2     | 56.4   |
| Premature rupture of membrane .....                              | 25.6      | 24.5      | 30.8    | 38.7                            | 24.5                      | 22.1    | 30.6     | 30.4     | 24.9     | 24.2   |
| Dysfunctional labor .....  | 27.1      | 27.3      | 25.5    | 36.2                            | 26.7                      | 30.7    | 25.7     | 27.7     | 26.0     | 25.8   |
| Breech/Malpresentation .....                                     | 38.9      | 40.8      | 30.4    | 36.6                            | 34.9                      | 37.7    | 39.8     | 34.5     | 34.0     | 34.1   |
| Cephalopelvic disproportion .....                                | 18.3      | 18.8      | 14.4    | 16.6                            | 23.2                      | 23.1    | 19.4     | 15.9     | 28.3     | 22.4   |
| Fetal distress <sup>3</sup> .....                                | 39.6      | 37.7      | 50.2    | 37.5                            | 35.7                      | 32.2    | 23.9     | 23.6     | 34.6     | 38.6   |
| Obstetric procedures   |           |           |         |                                 |                           |         |          |          |          |        |
| Amniocentesis .....  | 26.5      | 28.2      | 15.5    | 17.3                            | 36.1                      | 65.1    | 73.7     | 29.2     | 31.0     | 27.0   |
| Electronic fetal monitoring .....                                | 841.5     | 843.4     | 844.6   | 833.9                           | 799.9                     | 789.9   | 783.7    | 763.5    | 786.0    | 809.8  |
| Induction of labor .....   | 197.9     | 209.1     | 158.8   | 199.9                           | 135.0                     | 123.4   | 142.8    | 140.8    | 119.7    | 141.7  |
| Ultrasound .....   | 658.5     | 671.6     | 602.5   | 614.9                           | 629.2                     | 667.9   | 640.1    | 547.7    | 620.2    | 624.6  |
| Stimulation of labor .....                                       | 179.4     | 182.8     | 162.4   | 159.2                           | 182.5                     | 185.6   | 168.2    | 112.0    | 157.7    | 193.7  |

<sup>1</sup> Includes births to Aleuts and Eskimos.<sup>2</sup> Texas does not report this risk factor.<sup>3</sup> Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1999**

[Rates are number of live births with specified risk factors, complications or procedures per 1,000 live births in specified group]

| Medical risk factor, complication,<br>and obstetric procedure | All origins <sup>1</sup> | Origin of mother |         |              |        |                            |                            |                    |           |         |
|---|--------------------------|------------------|---------|--------------|--------|----------------------------|----------------------------|--------------------|-----------|---------|
|   |                          | Hispanic         |         |              |        |                            |                            | Non-Hispanic       |           |         |
|   |                          | Total            | Mexican | Puerto Rican | Cuban  | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White     | Black   |
| Number  |                          |                  |         |              |        |                            |                            |                    |           |         |
| Medical risk factors  |                          |                  |         |              |        |                            |                            |                    |           |         |
| Anemia .....  | 90,322                   | 17,470           | 11,400  | 1,919        | 186    | 1,741                      | 2,224                      | 71,532             | 44,782    | 21,628  |
| Diabetes .....  | 106,413                  | 20,987           | 14,335  | 1,941        | 284    | 2,942                      | 1,485                      | 84,124             | 60,072    | 14,778  |
| Hypertension, pregnancy-associated .....                      | 148,837                  | 20,950           | 14,235  | 1,685        | 406    | 2,831                      | 1,793                      | 126,284            | 97,489    | 23,653  |
| Uterine bleeding <sup>3</sup> .....                           | 22,332                   | 2,640            | 1,671   | 327          | 39     | 417                        | 186                        | 19,247             | 15,467    | 2,594   |
| Complications of labor and/or delivery                        |                          |                  |         |              |        |                            |                            |                    |           |         |
| Meconium, moderate/heavy .....                                | 213,698                  | 43,669           | 29,940  | 3,421        | 525    | 6,882                      | 2,901                      | 167,436            | 111,446   | 44,280  |
| Premature rupture of membrane .....                           | 100,130                  | 13,783           | 8,410   | 1,607        | 259    | 2,048                      | 1,459                      | 84,514             | 60,932    | 18,002  |
| Dysfunctional labor .....                                     | 105,795                  | 16,514           | 9,800   | 1,774        | 527    | 2,768                      | 1,645                      | 87,489             | 66,851    | 14,734  |
| Breech/Malpresentation .....                                  | 152,084                  | 22,583           | 15,033  | 2,065        | 519    | 3,298                      | 1,668                      | 127,574            | 102,590   | 17,693  |
| Cephalopelvic disproportion .....                             | 71,604                   | 10,430           | 7,353   | 860          | 170    | 1,422                      | 625                        | 60,345             | 47,334    | 8,448   |
| Fetal distress <sup>4</sup> .....                             | 140,756                  | 19,253           | 12,045  | 2,211        | 332    | 3,266                      | 1,399                      | 119,834            | 85,269    | 27,441  |
| Obstetric procedures  |                          |                  |         |              |        |                            |                            |                    |           |         |
| Amniocentesis .....   | 103,874                  | 9,462            | 4,623   | 1,217        | 348    | 2,266                      | 1,008                      | 92,426             | 76,596    | 8,971   |
| Electronic fetal monitoring .....                             | 3,296,037                | 600,947          | 416,444 | 49,007       | 11,777 | 82,217                     | 41,502                     | 2,658,739          | 1,997,493 | 493,948 |
| Induction of labor .....                                      | 775,245                  | 101,102          | 67,436  | 9,008        | 2,378  | 13,248                     | 9,032                      | 663,352            | 539,774   | 93,207  |
| Ultrasound .....  | 2,579,276                | 427,558          | 292,042 | 36,947       | 7,684  | 58,793                     | 32,092                     | 2,121,236          | 1,639,197 | 351,940 |
| Stimulation of labor .....                                    | 702,784                  | 127,225          | 86,009  | 12,118       | 2,275  | 18,355                     | 8,468                      | 567,195            | 435,253   | 94,648  |
| Rate  |                          |                  |         |              |        |                            |                            |                    |           |         |
| Medical risk factors  |                          |                  |         |              |        |                            |                            |                    |           |         |
| Anemia .....  | 23.2                     | 23.1             | 21.3    | 34.3         | 14.3   | 17.0                       | 45.1                       | 23.1               | 19.4      | 37.1    |
| Diabetes .....  | 27.3                     | 27.8             | 26.8    | 34.7         | 21.8   | 28.8                       | 30.1                       | 27.2               | 26.0      | 25.4    |
| Hypertension, pregnancy-associated .....                      | 38.2                     | 27.7             | 26.6    | 30.1         | 31.2   | 27.7                       | 36.4                       | 40.8               | 42.2      | 40.6    |
| Uterine bleeding <sup>3</sup> .....                           | 6.3                      | 4.4              | 4.2     | 6.0          | 3.1    | 4.4                        | 4.6                        | 6.6                | 7.1       | 4.8     |
| Complications of labor and/or delivery                        |                          |                  |         |              |        |                            |                            |                    |           |         |
| Meconium, moderate/heavy .....                                | 54.7                     | 57.5             | 55.7    | 60.9         | 40.3   | 67.1                       | 58.6                       | 53.9               | 48.2      | 75.9    |
| Premature rupture of membrane .....                           | 25.6                     | 18.2             | 15.6    | 28.6         | 19.9   | 20.0                       | 29.5                       | 27.2               | 26.3      | 30.8    |
| Dysfunctional labor .....                                     | 27.1                     | 21.8             | 18.2    | 31.6         | 40.4   | 27.0                       | 33.2                       | 28.2               | 28.9      | 25.2    |
| Breech/Malpresentation .....                                  | 38.9                     | 29.7             | 27.9    | 36.8         | 39.8   | 32.2                       | 33.7                       | 41.1               | 44.4      | 30.3    |
| Cephalopelvic disproportion .....                             | 18.3                     | 13.7             | 13.7    | 15.3         | 13.0   | 13.9                       | 12.6                       | 19.4               | 20.5      | 14.5    |
| Fetal distress <sup>4</sup> .....                             | 39.6                     | 32.0             | 30.3    | 40.1         | 26.0   | 34.5                       | 34.2                       | 41.2               | 39.3      | 50.5    |
| Obstetric procedures  |                          |                  |         |              |        |                            |                            |                    |           |         |
| Amniocentesis .....   | 26.5                     | 12.4             | 8.6     | 21.6         | 26.6   | 22.1                       | 20.3                       | 29.7               | 33.0      | 15.3    |
| Electronic fetal monitoring .....                             | 841.5                    | 790.6            | 773.4   | 870.9        | 901.7  | 800.1                      | 836.2                      | 854.4              | 861.2     | 844.7   |
| Induction of labor .....                                      | 197.9                    | 133.0            | 125.2   | 160.1        | 182.1  | 128.9                      | 182.0                      | 213.2              | 232.7     | 159.4   |
| Ultrasound .....  | 658.5                    | 562.5            | 542.4   | 656.6        | 588.3  | 572.1                      | 646.6                      | 681.7              | 706.7     | 601.8   |
| Stimulation of labor .....                                    | 179.4                    | 167.4            | 159.7   | 215.3        | 174.2  | 178.6                      | 170.6                      | 182.3              | 187.6     | 161.9   |

<sup>1</sup> Includes origin not stated.<sup>2</sup> Includes races other than white and black.<sup>3</sup> Texas does not report this risk factor.<sup>4</sup> Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

**Table 29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 48 reporting States and the District of Columbia, 1999**

| Smoking status, smoking measure, and race of mother | Age of mother |                |             |             |             |             |             |             |             |             |
|---|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|   | All ages      | Under 15 years | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |
|   |               |                | Total       | 15-17 years | 18-19 years |             |             |             |             |             |
| Number  |               |                |             |             |             |             |             |             |             |             |
| <b>All races<sup>1</sup></b>                        |               |                |             |             |             |             |             |             |             |             |
| Total .....   | 3,430,385     | 7,999          | 418,240     | 143,003     | 275,237     | 858,770     | 937,236     | 768,339     | 367,719     | 72,082      |
| Smoker .....  | 426,036       | 616            | 74,805      | 21,895      | 52,910      | 141,480     | 101,656     | 64,877      | 35,842      | 6,760       |
| Nonsmoker .....                                     | 2,957,167     | 7,254          | 337,491     | 119,147     | 218,344     | 705,380     | 822,983     | 693,115     | 326,770     | 64,174      |
| Not stated .....                                    | 47,182        | 129            | 5,944       | 1,961       | 3,983       | 11,910      | 12,597      | 10,347      | 5,107       | 1,148       |
| <b>White</b>  |               |                |             |             |             |             |             |             |             |             |
| Total .....   | 2,702,289     | 3,874          | 289,581     | 94,350      | 195,231     | 644,752     | 758,986     | 641,781     | 304,505     | 58,810      |
| Smoker .....  | 363,374       | 481            | 64,461      | 18,662      | 45,799      | 121,320     | 87,498      | 54,881      | 29,383      | 5,350       |
| Nonsmoker .....                                     | 2,301,012     | 3,317          | 220,745     | 74,292      | 146,453     | 514,211     | 661,218     | 578,166     | 270,833     | 52,522      |
| Not stated .....                                    | 37,903        | 76             | 4,375       | 1,396       | 2,979       | 9,221       | 10,270      | 8,734       | 4,289       | 938         |
| <b>Black</b>  |               |                |             |             |             |             |             |             |             |             |
| Total .....   | 570,478       | 3,853          | 115,514     | 43,951      | 71,563      | 182,883     | 130,504     | 84,909      | 43,654      | 9,161       |
| Smoker .....  | 52,418        | 103            | 8,264       | 2,507       | 5,757       | 16,752      | 11,760      | 8,591       | 5,719       | 1,229       |
| Nonsmoker .....                                     | 512,215       | 3,704          | 106,122     | 41,039      | 65,083      | 164,279     | 117,365     | 75,445      | 37,501      | 7,799       |
| Not stated .....                                    | 5,845         | 46             | 1,128       | 405         | 723         | 1,852       | 1,379       | 873         | 434         | 133         |
| Percent   |               |                |             |             |             |             |             |             |             |             |
| Smoker <sup>1</sup> .....                           | 12.6          | 7.8            | 18.1        | 15.5        | 19.5        | 16.7        | 11.0        | 8.6         | 9.9         | 9.5         |
| White .....   | 13.6          | 12.7           | 22.6        | 20.1        | 23.8        | 19.1        | 11.7        | 8.7         | 9.8         | 9.2         |
| Black .....   | 9.3           | 2.7            | 7.2         | 5.8         | 8.1         | 9.3         | 9.1         | 10.2        | 13.2        | 13.6        |
| Percent distribution <sup>2</sup>                   |               |                |             |             |             |             |             |             |             |             |
| <b>All races<sup>1</sup></b>                        |               |                |             |             |             |             |             |             |             |             |
| Smoker .....  | 100.0         | 100.0          | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| 1-5 cigarettes .....                                | 29.0          | 50.5           | 36.8        | 41.3        | 35.0        | 29.8        | 26.0        | 25.7        | 24.4        | 23.9        |
| 6-10 cigarettes .....                               | 41.1          | 35.6           | 41.9        | 40.5        | 42.5        | 42.4        | 40.9        | 39.4        | 38.4        | 36.8        |
| 11-15 cigarettes .....                              | 6.2           | *              | 4.5         | 4.0         | 4.7         | 5.4         | 7.0         | 7.4         | 7.7         | 7.4         |
| 16-20 cigarettes .....                              | 20.3          | 9.8            | 14.9        | 12.9        | 15.7        | 19.4        | 22.3        | 23.1        | 24.1        | 25.8        |
| 21-30 cigarettes .....                              | 2.5           | *              | 1.3         | 1.0         | 1.5         | 2.2         | 2.8         | 3.1         | 3.7         | 4.1         |
| 31-40 cigarettes .....                              | 0.9           | *              | 0.4         | 0.3         | 0.5         | 0.7         | 0.9         | 1.2         | 1.5         | 1.8         |
| 41 cigarettes or more .....                         | 0.1           | *              | 0.1         | *           | 0.1         | 0.1         | 0.2         | 0.2         | 0.2         | *           |
| <b>White</b>  |               |                |             |             |             |             |             |             |             |             |
| Smoker .....  | 100.0         | 100.0          | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| 1-5 cigarettes .....                                | 26.0          | 45.0           | 33.5        | 37.8        | 31.7        | 26.5        | 23.3        | 23.1        | 21.4        | 21.3        |
| 6-10 cigarettes .....                               | 41.7          | 38.4           | 43.6        | 42.4        | 44.0        | 43.5        | 41.1        | 39.2        | 37.8        | 35.6        |
| 11-15 cigarettes .....                              | 6.7           | *              | 4.8         | 4.3         | 5.0         | 5.9         | 7.6         | 8.1         | 8.5         | 8.0         |
| 16-20 cigarettes .....                              | 21.9          | 11.5           | 16.2        | 14.1        | 17.0        | 20.9        | 23.9        | 24.7        | 26.1        | 28.1        |
| 21-30 cigarettes .....                              | 2.7           | *              | 1.4         | 1.1         | 1.6         | 2.3         | 3.0         | 3.4         | 4.2         | 4.7         |
| 31-40 cigarettes .....                              | 0.9           | *              | 0.5         | 0.3         | 0.5         | 0.8         | 0.9         | 1.3         | 1.7         | 2.2         |
| 41 cigarettes or more .....                         | 0.1           | *              | 0.1         | *           | 0.1         | 0.1         | 0.2         | 0.2         | 0.2         | *           |
| <b>Black</b>  |               |                |             |             |             |             |             |             |             |             |
| Smoker .....  | 100.0         | 100.0          | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| 1-5 cigarettes .....                                | 46.8          | 70.3           | 59.0        | 63.2        | 57.2        | 51.0        | 42.6        | 40.0        | 38.4        | 34.0        |
| 6-10 cigarettes .....                               | 37.3          | 25.3           | 31.1        | 28.4        | 32.2        | 35.6        | 39.5        | 40.4        | 40.9        | 41.2        |
| 11-15 cigarettes .....                              | 3.0           | *              | 2.2         | 2.3         | 2.2         | 2.3         | 3.4         | 3.8         | 3.8         | 5.1         |
| 16-20 cigarettes .....                              | 11.2          | *              | 6.8         | 5.3         | 7.4         | 9.6         | 12.7        | 13.5        | 14.8        | 16.7        |
| 21-30 cigarettes .....                              | 1.0           | *              | 0.6         | *           | 0.7         | 0.9         | 1.0         | 1.4         | 1.2         | 2.0         |
| 31-40 cigarettes .....                              | 0.5           | *              | 0.3         | *           | *           | 0.4         | 0.7         | 0.8         | 0.6         | *           |
| 41 cigarettes or more .....                         | 0.1           | *              | *           | *           | *           | *           | *           | *           | *           | *           |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes races other than white and black.<sup>2</sup> Excludes data for Indiana and New York State (but includes New York City) which did not report average number of cigarettes smoked per day in standard categories.

NOTE: Excludes data for California and South Dakota, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 48 reporting States, and the District of Columbia, 1999**

| Origin of mother                 | Smoking status |         |            |            | Age of mother |                |             |             |             |             |             |             |             |             |
|----------------------------------|----------------|---------|------------|------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                  | Total births   | Smoker  | Non-smoker | Not stated | All ages      | Under 15 years | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |
|                                  |                |         |            |            |               |                | Total       | 15-17 years | 18-19 years |             |             |             |             |             |
| All origins <sup>1</sup> .....   | 3,430,385      | 426,036 | 2,957,167  | 47,182     | 12.6          | 7.8            | 18.1        | 15.5        | 19.5        | 16.7        | 11.0        | 8.6         | 9.9         | 9.5         |
| Hispanic .....                   | 514,796        | 19,058  | 489,930    | 5,808      | 3.7           | 4.3            | 4.6         | 4.3         | 4.9         | 4.1         | 3.1         | 3.1         | 3.6         | 3.9         |
| Mexican .....                    | 323,105        | 8,388   | 310,667    | 4,050      | 2.6           | 3.3            | 3.3         | 3.1         | 3.4         | 2.7         | 2.2         | 2.3         | 3.0         | 3.1         |
| Puerto Rican .....               | 55,112         | 5,686   | 48,703     | 723        | 10.5          | *              | 10.3        | 9.0         | 11.1        | 11.9        | 9.8         | 9.1         | 9.2         | 11.4        |
| Cuban .....                      | 12,399         | 406     | 11,952     | 41         | 3.3           | *              | 5.8         | *           | 6.0         | 4.2         | 2.5         | 2.6         | 3.3         | *           |
| Central and South American ..... | 78,563         | 1,124   | 76,959     | 480        | 1.4           | *              | 1.8         | 1.5         | 1.9         | 1.6         | 1.2         | 1.3         | 1.6         | 1.7         |
| Other and unknown Hispanic ..... | 45,617         | 3,454   | 41,649     | 514        | 7.7           | 9.0            | 8.7         | 7.6         | 9.4         | 8.6         | 6.7         | 6.5         | 6.9         | 6.1         |
| Non-Hispanic <sup>2</sup> .....  | 2,871,003      | 400,678 | 2,432,865  | 37,460     | 14.1          | 8.9            | 21.7        | 19.0        | 23.0        | 19.6        | 12.3        | 9.2         | 10.6        | 10.2        |
| White .....                      | 2,165,609      | 339,724 | 1,796,892  | 28,993     | 15.9          | 20.8           | 30.1        | 28.7        | 30.7        | 23.9        | 13.5        | 9.5         | 10.6        | 9.9         |
| Black .....                      | 554,643        | 51,402  | 497,821    | 5,420      | 9.4           | 2.8            | 7.2         | 5.7         | 8.1         | 9.3         | 9.2         | 10.4        | 13.5        | 14.0        |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes origin not stated.

<sup>2</sup> Includes races other than white and black.

NOTES: Excludes data for California and South Dakota, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.



**Table 31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution of average number of cigarettes smoked by mothers per day, according to educational attainment and race and Hispanic origin of mother: Total of 48 reporting States, and the District of Columbia, 1999**

| Smoking measure, and<br>race and Hispanic origin of mother | Total     | Years of school completed by mother |               |             |                |                     |               |
|--|-----------|-------------------------------------|---------------|-------------|----------------|---------------------|---------------|
|  |           | 0-8<br>years                        | 9-11<br>years | 12<br>years | 13-15<br>years | 16 years<br>or more | Not<br>Stated |
| All births   |           |                                     |               |             |                |                     |               |
| All races <sup>1</sup> .....                               | 3,430,385 | 159,931                             | 529,765       | 1,101,150   | 753,833        | 829,961             | 55,745        |
| White, total .....   | 2,702,289 | 138,200                             | 377,250       | 836,155     | 595,963        | 715,892             | 38,829        |
| White, non-Hispanic .....                                  | 2,165,609 | 38,719                              | 238,431       | 681,211     | 521,578        | 665,337             | 20,333        |
| Black, total .....   | 570,478   | 14,939                              | 133,217       | 220,026     | 127,366        | 62,963              | 11,967        |
| Black, non-Hispanic .....                                  | 554,643   | 13,681                              | 129,633       | 214,581     | 124,396        | 61,414              | 10,938        |
| Hispanic <sup>2</sup> .....                                | 514,796   | 100,476                             | 138,635       | 150,518     | 70,078         | 41,281              | 13,808        |
| Percent  |           |                                     |               |             |                |                     |               |
| Smoker .....   | 12.6      | 11.0                                | 25.6          | 16.7        | 9.4            | 2.1                 | 12.3          |
| White, total .....   | 13.6      | 11.2                                | 29.2          | 19.1        | 10.4           | 2.2                 | 12.9          |
| White, non-Hispanic .....                                  | 15.9      | 34.0                                | 42.4          | 22.4        | 11.3           | 2.3                 | 18.9          |
| Black, total .....   | 9.3       | 10.9                                | 16.5          | 8.9         | 5.5            | 1.9                 | 12.5          |
| Black, non-Hispanic .....                                  | 9.4       | 11.4                                | 16.7          | 9.0         | 5.5            | 1.9                 | 12.6          |
| Hispanic <sup>2</sup> .....                                | 3.7       | 2.2                                 | 5.8           | 3.9         | 3.1            | 1.1                 | 3.3           |
| Percent distribution <sup>3</sup>                          |           |                                     |               |             |                |                     |               |
| All races <sup>1</sup>                                     |           |                                     |               |             |                |                     |               |
| Smoker .....   | 100.0     | 100.0                               | 100.0         | 100.0       | 100.0          | 100.0               | 100.0         |
| 10 cigarettes or less .....                                | 70.1      | 64.7                                | 70.0          | 69.3        | 71.8           | 76.2                | 73.1          |
| 11-20 cigarettes .....                                     | 26.5      | 29.6                                | 26.3          | 27.3        | 25.3           | 21.5                | 23.6          |
| 21 cigarettes or more .....                                | 3.5       | 5.7                                 | 3.7           | 3.3         | 2.9            | 2.3                 | 3.3           |
| White, total   |           |                                     |               |             |                |                     |               |
| Smoker .....   | 100.0     | 100.0                               | 100.0         | 100.0       | 100.0          | 100.0               | 100.0         |
| 10 cigarettes or less .....                                | 67.7      | 62.4                                | 66.8          | 67.1        | 70.2           | 75.3                | 69.5          |
| 11-20 cigarettes .....                                     | 28.5      | 31.5                                | 29.1          | 29.3        | 26.7           | 22.2                | 26.5          |
| 21 cigarettes or more .....                                | 3.7       | 6.2                                 | 4.2           | 3.6         | 3.1            | 2.5                 | 3.9           |
| White, non-Hispanic  |           |                                     |               |             |                |                     |               |
| Smoker .....   | 100.0     | 100.0                               | 100.0         | 100.0       | 100.0          | 100.0               | 100.0         |
| 10 cigarettes or less .....                                | 66.8      | 58.6                                | 65.4          | 66.6        | 69.8           | 75.0                | 67.9          |
| 11-20 cigarettes .....                                     | 29.3      | 34.5                                | 30.3          | 29.8        | 27.1           | 22.5                | 28.0          |
| 21 cigarettes or more .....                                | 3.9       | 6.9                                 | 4.3           | 3.6         | 3.2            | 2.5                 | 4.1           |
| Black, total   |           |                                     |               |             |                |                     |               |
| Smoker .....   | 100.0     | 100.0                               | 100.0         | 100.0       | 100.0          | 100.0               | 100.0         |
| 10 cigarettes or less .....                                | 84.1      | 82.0                                | 83.9          | 84.5        | 83.9           | 84.8                | 83.4          |
| 11-20 cigarettes .....                                     | 14.2      | 15.3                                | 14.2          | 14.0        | 14.6           | 14.2                | 14.8          |
| 21 cigarettes or more .....                                | 1.7       | 2.7                                 | 2.0           | 1.5         | 1.5            | *                   | 1.8           |
| Black, non-Hispanic  |           |                                     |               |             |                |                     |               |
| Smoker .....   | 100.0     | 100.0                               | 100.0         | 100.0       | 100.0          | 100.0               | 100.0         |
| 10 cigarettes or less .....                                | 84.0      | 82.3                                | 83.8          | 84.5        | 83.9           | 84.9                | 83.3          |
| 11-20 cigarettes .....                                     | 14.3      | 15.0                                | 14.2          | 14.1        | 14.7           | 14.1                | 14.9          |
| 21 cigarettes or more .....                                | 1.7       | 2.7                                 | 2.0           | 1.4         | 1.5            | *                   | *             |
| Hispanic <sup>2</sup>                                      |           |                                     |               |             |                |                     |               |
| Smoker .....   | 100.0     | 100.0                               | 100.0         | 100.0       | 100.0          | 100.0               | 100.0         |
| 10 cigarettes or less .....                                | 84.3      | 84.8                                | 85.0          | 83.9        | 82.5           | 84.6                | 83.8          |
| 11-20 cigarettes .....                                     | 14.0      | 13.1                                | 13.3          | 14.5        | 16.4           | 14.1                | 14.0          |
| 21 cigarettes or more .....                                | 1.6       | 2.1                                 | 1.7           | 1.6         | 1.1            | *                   | *             |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.<sup>3</sup> Excludes data for Indiana and New York State (but includes New York City) which did not report average number of cigarettes smoked per day in standard categories.

NOTE: Excludes data for California and South Dakota, which did not require reporting of tobacco use during pregnancy.

**Table 32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 48 reporting States, and the District of Columbia, 1999**

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

| Smoking status and<br>race of mother | All ages | Age of mother     |             |                |                |                |                |                |                |                |
|--------------------------------------|----------|-------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                      |          | Under 15<br>years | 15-19 years |                |                | 20-24<br>years | 25-29<br>years | 30-34<br>years | 35-39<br>years | 40-54<br>years |
|                                      |          |                   | Total       | 15-17<br>years | 18-19<br>years |                |                |                |                |                |
| <b>All races <sup>1</sup></b>        |          |                   |             |                |                |                |                |                |                |                |
| Total .....                          | 7.8      | 13.4              | 9.9         | 10.8           | 9.5            | 7.8            | 6.9            | 7.1            | 8.6            | 10.6           |
| Smoker .....                         | 12.1     | 15.7              | 11.6        | 12.4           | 11.3           | 10.6           | 11.5           | 13.2           | 16.7           | 19.3           |
| Nonsmoker .....                      | 7.2      | 13.2              | 9.6         | 10.5           | 9.0            | 7.3            | 6.3            | 6.6            | 7.7            | 9.7            |
| Not stated .....                     | 9.5      | *                 | 10.9        | 11.2           | 10.8           | 8.9            | 8.9            | 9.1            | 10.5           | 15.0           |
| <b>White, total</b>                  |          |                   |             |                |                |                |                |                |                |                |
| Total .....                          | 6.7      | 11.5              | 8.4         | 9.2            | 8.1            | 6.6            | 6.0            | 6.3            | 7.5            | 9.4            |
| Smoker .....                         | 10.8     | 15.1              | 10.9        | 11.6           | 10.6           | 9.8            | 10.2           | 11.4           | 14.4           | 16.4           |
| Nonsmoker .....                      | 6.1      | 11.1              | 7.7         | 8.5            | 7.2            | 5.8            | 5.4            | 5.8            | 6.7            | 8.6            |
| Not stated .....                     | 8.5      | *                 | 10.0        | 10.5           | 9.8            | 7.8            | 7.9            | 8.3            | 9.4            | 13.3           |
| <b>White, non-Hispanic</b>           |          |                   |             |                |                |                |                |                |                |                |
| Total .....                          | 6.7      | 11.6              | 8.5         | 9.3            | 8.2            | 6.7            | 6.0            | 6.3            | 7.4            | 9.3            |
| Smoker .....                         | 10.8     | 15.7              | 10.8        | 11.6           | 10.5           | 9.8            | 10.2           | 11.2           | 14.3           | 16.3           |
| Nonsmoker .....                      | 5.9      | 10.5              | 7.5         | 8.3            | 7.1            | 5.7            | 5.4            | 5.7            | 6.6            | 8.5            |
| Not stated .....                     | 8.7      | *                 | 10.3        | 11.1           | 9.9            | 8.0            | 8.2            | 8.4            | 9.4            | 12.8           |
| <b>Black, total</b>                  |          |                   |             |                |                |                |                |                |                |                |
| Total .....                          | 13.2     | 15.5              | 13.8        | 14.3           | 13.5           | 12.3           | 12.3           | 13.6           | 16.1           | 18.3           |
| Smoker .....                         | 21.0     | 19.4              | 17.3        | 18.0           | 17.0           | 16.7           | 21.5           | 25.0           | 29.2           | 32.8           |
| Nonsmoker .....                      | 12.4     | 15.4              | 13.5        | 14.1           | 13.1           | 11.8           | 11.3           | 12.3           | 14.0           | 15.9           |
| Not stated .....                     | 16.4     | *                 | 15.1        | 13.9           | 15.8           | 14.6           | 16.4           | 17.6           | 21.8           | 24.2           |
| <b>Black, non-Hispanic</b>           |          |                   |             |                |                |                |                |                |                |                |
| Total .....                          | 13.3     | 15.6              | 13.9        | 14.3           | 13.6           | 12.4           | 12.5           | 13.8           | 16.3           | 18.4           |
| Smoker .....                         | 21.1     | 19.4              | 17.4        | 18.0           | 17.1           | 16.7           | 21.6           | 25.1           | 29.4           | 32.9           |
| Nonsmoker .....                      | 12.5     | 15.4              | 13.6        | 14.1           | 13.3           | 11.9           | 11.5           | 12.4           | 14.2           | 15.9           |
| Not stated .....                     | 16.5     | *                 | 15.3        | 14.2           | 15.8           | 14.5           | 16.5           | 18.0           | 22.4           | 25.2           |
| <b>Hispanic <sup>2</sup></b>         |          |                   |             |                |                |                |                |                |                |                |
| Total .....                          | 6.8      | 11.5              | 8.3         | 9.1            | 7.8            | 6.4            | 5.9            | 6.6            | 8.1            | 10.1           |
| Smoker .....                         | 11.8     | *                 | 11.7        | 12.2           | 11.4           | 10.6           | 10.8           | 13.8           | 15.4           | 17.3           |
| Nonsmoker .....                      | 6.6      | 11.4              | 8.1         | 8.9            | 7.5            | 6.2            | 5.7            | 6.3            | 7.7            | 9.6            |
| Not stated .....                     | 8.3      | *                 | 9.5         | 9.4            | 9.5            | 7.7            | 7.4            | 7.8            | 9.8            | 15.4           |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California and South Dakota, which did not require reporting of tobacco use during pregnancy.

**Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 1999**

| Age and race and Hispanic origin of mother | All births | Month of pregnancy prenatal care began |                   |          |                |         |                 |         |         |            | Percent       |                 |
|--|------------|--|-------------------|----------|----------------|---------|-----------------|---------|---------|------------|---------------|-----------------|
|  |            | 1st trimester                          |                   |          | 2d trimester   |         | Late or no care |         |         | Not stated | 1st trimester | Late or no care |
|  |            | Total                                  | 1st and 2d months | 3d month | 4th-6th months | Total   | 7th-9th months  | No care |         |            |               |                 |
| All races <sup>1</sup> .....               | 3,959,417  | 3,198,714                              | 2,478,491         | 720,223  | 499,928        | 146,449 | 102,202         | 44,247  | 114,326 | 83.2       | 3.8           |                 |
| Under 15 years .....                       | 9,054      | 4,098                                  | 2,521             | 1,577    | 3,177          | 1,375   | 976             | 399     | 404     | 47.4       | 15.9          |                 |
| 15-19 years .....                          | 476,050    | 317,423                                | 215,687           | 101,736  | 110,496        | 32,445  | 23,289          | 9,156   | 15,686  | 69.0       | 7.0           |                 |
| 15 years .....                             | 22,896     | 12,503                                 | 7,799             | 4,704    | 7,032          | 2,461   | 1,759           | 702     | 900     | 56.8       | 11.2          |                 |
| 16 years .....                             | 51,516     | 30,843                                 | 19,875            | 10,968   | 14,376         | 4,448   | 3,169           | 1,279   | 1,849   | 62.1       | 9.0           |                 |
| 17 years .....                             | 89,176     | 57,875                                 | 38,403            | 19,472   | 21,866         | 6,463   | 4,619           | 1,844   | 2,972   | 67.1       | 7.5           |                 |
| 18 years .....                             | 133,988    | 90,749                                 | 62,010            | 28,739   | 30,318         | 8,663   | 6,296           | 2,367   | 4,258   | 70.0       | 6.7           |                 |
| 19 years .....                             | 178,474    | 125,453                                | 87,600            | 37,853   | 36,904         | 10,410  | 7,446           | 2,964   | 5,707   | 72.6       | 6.0           |                 |
| 20-24 years .....                          | 981,929    | 742,928                                | 548,641           | 194,287  | 161,807        | 47,135  | 33,674          | 13,461  | 30,059  | 78.0       | 5.0           |                 |
| 25-29 years .....                          | 1,078,252  | 908,407                                | 720,738           | 187,669  | 110,020        | 31,244  | 21,795          | 9,449   | 28,581  | 86.5       | 3.0           |                 |
| 30-34 years .....                          | 892,400    | 778,770                                | 632,449           | 146,321  | 69,471         | 20,316  | 13,580          | 6,736   | 23,843  | 89.7       | 2.3           |                 |
| 35-39 years .....                          | 434,294    | 374,640                                | 301,515           | 73,125   | 35,940         | 11,121  | 7,093           | 4,028   | 12,593  | 88.8       | 2.6           |                 |
| 40 years and over .....                    | 87,438     | 72,448                                 | 56,940            | 15,508   | 9,017          | 2,813   | 1,795           | 1,018   | 3,160   | 86.0       | 3.3           |                 |
| White, total .....                         | 3,132,501  | 2,597,095                              | 2,030,014         | 567,081  | 357,303        | 98,770  | 71,262          | 27,508  | 79,333  | 85.1       | 3.2           |                 |
| Under 15 years .....                       | 4,739      | 2,344                                  | 1,455             | 889      | 1,536          | 667     | 460             | 207     | 192     | 51.6       | 14.7          |                 |
| 15-19 years .....                          | 337,888    | 233,139                                | 159,480           | 73,659   | 73,720         | 21,031  | 15,441          | 5,590   | 9,998   | 71.1       | 6.4           |                 |
| 15 years .....                             | 14,193     | 8,272                                  | 5,185             | 3,087    | 4,019          | 1,424   | 1,039           | 385     | 478     | 60.3       | 10.4          |                 |
| 16 years .....                             | 34,649     | 21,755                                 | 14,094            | 7,661    | 8,973          | 2,795   | 2,007           | 788     | 1,126   | 64.9       | 8.3           |                 |
| 17 years .....                             | 62,782     | 42,287                                 | 28,317            | 13,970   | 14,430         | 4,202   | 3,047           | 1,155   | 1,863   | 69.4       | 6.9           |                 |
| 18 years .....                             | 96,254     | 67,188                                 | 46,292            | 20,896   | 20,638         | 5,716   | 4,229           | 1,487   | 2,712   | 71.8       | 6.1           |                 |
| 19 years .....                             | 130,010    | 93,637                                 | 65,592            | 28,045   | 25,660         | 6,894   | 5,119           | 1,775   | 3,819   | 74.2       | 5.5           |                 |
| 20-24 years .....                          | 748,371    | 580,102                                | 430,422           | 149,680  | 115,368        | 32,191  | 23,737          | 8,454   | 20,710  | 79.7       | 4.4           |                 |
| 25-29 years .....                          | 873,654    | 750,495                                | 599,261           | 151,234  | 81,289         | 21,750  | 15,704          | 6,046   | 20,120  | 87.9       | 2.5           |                 |
| 30-34 years .....                          | 739,948    | 657,232                                | 537,432           | 119,800  | 51,878         | 13,757  | 9,578           | 4,179   | 17,081  | 90.9       | 1.9           |                 |
| 35-39 years .....                          | 356,959    | 313,736                                | 254,356           | 59,380   | 26,792         | 7,471   | 5,054           | 2,417   | 8,960   | 90.2       | 2.1           |                 |
| 40 years and over .....                    | 70,942     | 60,047                                 | 47,608            | 12,439   | 6,720          | 1,903   | 1,288           | 615     | 2,272   | 87.4       | 2.8           |                 |
| White, non-Hispanic .....                  | 2,346,450  | 2,030,575                              | 1,618,301         | 412,274  | 214,732        | 52,435  | 37,826          | 14,609  | 48,708  | 88.4       | 2.3           |                 |
| Under 15 years .....                       | 2,048      | 1,048                                  | 647               | 401      | 650            | 287     | 207             | 80      | 63      | 52.8       | 14.5          |                 |
| 15-19 years .....                          | 212,923    | 155,365                                | 107,232           | 48,133   | 42,109         | 10,380  | 7,787           | 2,593   | 5,069   | 74.7       | 5.0           |                 |
| 15 years .....                             | 6,963      | 4,226                                  | 2,681             | 1,545    | 1,867          | 661     | 499             | 162     | 209     | 62.6       | 9.8           |                 |
| 16 years .....                             | 18,886     | 12,524                                 | 8,132             | 4,392    | 4,559          | 1,295   | 953             | 342     | 508     | 68.1       | 7.0           |                 |
| 17 years .....                             | 37,671     | 26,935                                 | 18,050            | 8,885    | 7,934          | 1,936   | 1,438           | 498     | 866     | 73.2       | 5.3           |                 |
| 18 years .....                             | 62,282     | 45,777                                 | 31,848            | 13,929   | 12,139         | 2,955   | 2,225           | 730     | 1,411   | 75.2       | 4.9           |                 |
| 19 years .....                             | 87,121     | 65,903                                 | 46,521            | 19,382   | 15,610         | 3,533   | 2,672           | 861     | 2,075   | 77.5       | 4.2           |                 |
| 20-24 years .....                          | 514,386    | 418,400                                | 315,581           | 102,819  | 68,207         | 16,197  | 12,145          | 4,052   | 11,582  | 83.2       | 3.2           |                 |
| 25-29 years .....                          | 663,569    | 591,763                                | 481,682           | 110,081  | 48,003         | 11,396  | 8,160           | 3,236   | 12,407  | 90.9       | 1.8           |                 |
| 30-34 years .....                          | 600,830    | 548,259                                | 454,830           | 93,429   | 32,887         | 8,093   | 5,556           | 2,537   | 11,591  | 93.0       | 1.4           |                 |
| 35-39 years .....                          | 294,590    | 265,223                                | 217,717           | 47,506   | 18,220         | 4,820   | 3,151           | 1,669   | 6,327   | 92.0       | 1.7           |                 |
| 40 years and over .....                    | 58,104     | 50,517                                 | 40,612            | 9,905    | 4,656          | 1,262   | 820             | 442     | 1,669   | 89.5       | 2.2           |                 |
| Black, total .....                         | 605,970    | 429,639                                | 317,995           | 111,644  | 111,678        | 38,493  | 23,943          | 14,550  | 26,160  | 74.1       | 6.6           |                 |
| Under 15 years .....                       | 3,977      | 1,627                                  | 999               | 628      | 1,515          | 645     | 467             | 178     | 190     | 43.0       | 17.0          |                 |
| 15-19 years .....                          | 121,166    | 74,359                                 | 49,905            | 24,454   | 31,877         | 9,913   | 6,666           | 3,247   | 5,017   | 64.0       | 8.5           |                 |
| 15 years .....                             | 7,865      | 3,838                                  | 2,376             | 1,462    | 2,713          | 932     | 639             | 293     | 382     | 51.3       | 12.5          |                 |
| 16 years .....                             | 14,942     | 8,097                                  | 5,176             | 2,921    | 4,744          | 1,440   | 995             | 445     | 661     | 56.7       | 10.1          |                 |
| 17 years .....                             | 23,112     | 13,756                                 | 8,971             | 4,785    | 6,412          | 1,962   | 1,340           | 622     | 982     | 62.2       | 8.9           |                 |
| 18 years .....                             | 32,948     | 20,756                                 | 13,942            | 6,814    | 8,343          | 2,518   | 1,731           | 787     | 1,331   | 65.6       | 8.0           |                 |
| 19 years .....                             | 42,299     | 27,912                                 | 19,440            | 8,472    | 9,665          | 3,061   | 1,961           | 1,100   | 1,661   | 68.7       | 7.5           |                 |
| 20-24 years .....                          | 193,211    | 134,743                                | 98,269            | 36,474   | 38,446         | 12,434  | 8,020           | 4,414   | 7,588   | 72.6       | 6.7           |                 |
| 25-29 years .....                          | 138,868    | 105,399                                | 81,116            | 24,283   | 20,436         | 7,144   | 4,305           | 2,839   | 5,889   | 79.3       | 5.4           |                 |
| 30-34 years .....                          | 91,486     | 70,654                                 | 54,884            | 15,770   | 11,528         | 4,876   | 2,717           | 2,159   | 4,428   | 81.2       | 5.6           |                 |
| 35-39 years .....                          | 47,277     | 35,731                                 | 27,450            | 8,281    | 6,300          | 2,793   | 1,422           | 1,371   | 2,453   | 79.7       | 6.2           |                 |
| 40 years and over .....                    | 9,985      | 7,126                                  | 5,372             | 1,754    | 1,576          | 688     | 346             | 342     | 595     | 75.9       | 7.3           |                 |

See footnotes at end of table.

**Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 1999 --Con.**

| Age and race and Hispanic origin of mother | All births | Month of pregnancy prenatal care began |                   |          |                |        |                 |         |        |            | Percent       |                 |
|--|------------|--|-------------------|----------|----------------|--------|-----------------|---------|--------|------------|---------------|-----------------|
|  |            | 1st trimester                          |                   |          | 2d trimester   |        | Late or no care |         |        | Not stated | 1st trimester | Late or no care |
|  |            | Total                                  | 1st and 2d months | 3d month | 4th-6th months | Total  | 7th-9th months  | No care |        |            |               |                 |
| Black, non-Hispanic                        | 588,981    | 418,140                                | 309,771           | 108,369  | 108,654        | 37,280 | 23,105          | 14,175  | 24,907 | 74.1       | 6.6           |                 |
| Under 15 years .....                       | 3,890      | 1,593                                  | 981               | 612      | 1,484          | 627    | 455             | 172     | 186    | 43.0       | 16.9          |                 |
| 15-19 years .....                          | 118,285    | 72,658                                 | 48,777            | 23,881   | 31,177         | 9,636  | 6,487           | 3,149   | 4,814  | 64.0       | 8.5           |                 |
| 15 years .....                             | 7,698      | 3,754                                  | 2,322             | 1,432    | 2,664          | 912    | 626             | 286     | 368    | 51.2       | 12.4          |                 |
| 16 years .....                             | 14,573     | 7,895                                  | 5,048             | 2,847    | 4,634          | 1,409  | 981             | 428     | 635    | 56.6       | 10.1          |                 |
| 17 years .....                             | 22,580     | 13,454                                 | 8,773             | 4,681    | 6,272          | 1,912  | 1,306           | 606     | 942    | 62.2       | 8.8           |                 |
| 18 years .....                             | 32,155     | 20,262                                 | 13,626            | 6,636    | 8,172          | 2,444  | 1,683           | 761     | 1,277  | 65.6       | 7.9           |                 |
| 19 years .....                             | 41,279     | 27,293                                 | 19,008            | 8,285    | 9,435          | 2,959  | 1,891           | 1,068   | 1,592  | 68.8       | 7.5           |                 |
| 20-24 years .....                          | 188,247    | 131,431                                | 95,964            | 35,467   | 37,499         | 12,062 | 7,758           | 4,304   | 7,255  | 72.6       | 6.7           |                 |
| 25-29 years .....                          | 134,784    | 102,488                                | 78,942            | 23,546   | 19,806         | 6,879  | 4,119           | 2,760   | 5,611  | 79.3       | 5.3           |                 |
| 30-34 years .....                          | 88,403     | 68,454                                 | 53,278            | 15,176   | 11,080         | 4,697  | 2,588           | 2,109   | 4,172  | 81.3       | 5.6           |                 |
| 35-39 years .....                          | 45,746     | 34,640                                 | 26,635            | 8,005    | 6,082          | 2,711  | 1,369           | 1,342   | 2,313  | 79.8       | 6.2           |                 |
| 40 years and over .....                    | 9,626      | 6,876                                  | 5,194             | 1,682    | 1,526          | 668    | 329             | 339     | 556    | 75.8       | 7.4           |                 |
| Hispanic <sup>2</sup> .....                | 764,339    | 548,580                                | 396,758           | 151,822  | 142,091        | 46,232 | 33,598          | 12,634  | 27,436 | 74.4       | 6.3           |                 |
| Under 15 years .....                       | 2,725      | 1,308                                  | 813               | 495      | 905            | 387    | 260             | 127     | 125    | 50.3       | 14.9          |                 |
| 15-19 years .....                          | 124,677    | 77,605                                 | 52,179            | 25,426   | 31,721         | 10,689 | 7,705           | 2,984   | 4,662  | 64.7       | 8.9           |                 |
| 15 years .....                             | 7,288      | 4,079                                  | 2,527             | 1,552    | 2,175          | 774    | 551             | 223     | 260    | 58.0       | 11.0          |                 |
| 16 years .....                             | 15,828     | 9,271                                  | 5,981             | 3,290    | 4,449          | 1,504  | 1,054           | 450     | 604    | 60.9       | 9.9           |                 |
| 17 years .....                             | 25,113     | 15,359                                 | 10,284            | 5,075    | 6,529          | 2,282  | 1,624           | 658     | 943    | 63.5       | 9.4           |                 |
| 18 years .....                             | 33,806     | 21,310                                 | 14,392            | 6,918    | 8,509          | 2,765  | 2,015           | 750     | 1,222  | 65.4       | 8.5           |                 |
| 19 years .....                             | 42,642     | 27,586                                 | 18,995            | 8,591    | 10,059         | 3,364  | 2,461           | 903     | 1,633  | 67.3       | 8.2           |                 |
| 20-24 years .....                          | 231,475    | 159,829                                | 113,319           | 46,510   | 47,064         | 15,996 | 11,655          | 4,341   | 8,586  | 71.7       | 7.2           |                 |
| 25-29 years .....                          | 203,985    | 153,576                                | 113,314           | 40,262   | 33,151         | 10,374 | 7,611           | 2,763   | 6,884  | 77.9       | 5.3           |                 |
| 30-34 years .....                          | 131,369    | 102,341                                | 76,965            | 25,376   | 18,830         | 5,600  | 4,043           | 1,557   | 4,598  | 80.7       | 4.4           |                 |
| 35-39 years .....                          | 58,146     | 45,036                                 | 33,718            | 11,318   | 8,421          | 2,580  | 1,874           | 706     | 2,109  | 80.4       | 4.6           |                 |
| 40 years and over .....                    | 11,962     | 8,885                                  | 6,450             | 2,435    | 1,999          | 606    | 450             | 156     | 472    | 77.3       | 5.3           |                 |

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.

**Table 34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care by race and Hispanic origin of mother: United States, each State and territory, 1999**

[By place of residence]

| State                            | Percent beginning care in first trimester |       |              |       |              |                       | Percent late <sup>1</sup> or no care |       |              |       |              |                       |
|----------------------------------|---|-------|--------------|-------|--------------|-----------------------|--------------------------------------|-------|--------------|-------|--------------|-----------------------|
|                                  | All races <sup>2</sup>                    | White |              | Black |              | Hispanic <sup>3</sup> | All races <sup>2</sup>               | White |              | Black |              | Hispanic <sup>3</sup> |
|                                  |   | Total | Non-Hispanic | Total | Non-Hispanic |                       |                                      | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| United States <sup>4</sup> ..... | 83.2                                      | 85.1  | 88.4         | 74.1  | 74.1         | 74.4                  | 3.8                                  | 3.2   | 2.3          | 6.6   | 6.6          | 6.3                   |
| Alabama .....                    | 83.2                                      | 88.9  | 90.0         | 71.4  | 71.4         | 60.5                  | 3.7                                  | 2.4   | 2.0          | 6.3   | 6.3          | 13.9                  |
| Alaska .....                     | 79.4                                      | 82.2  | 82.2         | 83.6  | 83.7         | 79.6                  | 4.8                                  | 3.9   | 4.1          | *     | *            | *                     |
| Arizona .....                    | 79.9                                      | 76.6  | 86.1         | 74.5  | 74.3         | 65.0                  | 7.0                                  | 6.8   | 3.0          | 6.7   | 6.7          | 11.4                  |
| Arkansas .....                   | 79.0                                      | 81.7  | 83.1         | 69.4  | 69.4         | 63.5                  | 4.8                                  | 3.8   | 3.3          | 8.3   | 8.3          | 11.3                  |
| California .....                 | 83.6                                      | 83.6  | 89.2         | 81.0  | 81.1         | 79.7                  | 3.2                                  | 3.2   | 2.0          | 3.9   | 3.9          | 4.0                   |
| Colorado .....                   | 81.7                                      | 82.0  | 88.4         | 75.4  | 75.2         | 66.0                  | 4.3                                  | 4.2   | 2.4          | 6.4   | 6.5          | 8.8                   |
| Connecticut .....                | 89.3                                      | 90.6  | 93.1         | 81.0  | 81.5         | 78.3                  | 2.0                                  | 1.8   | 1.4          | 3.7   | 3.7          | 3.8                   |
| Delaware .....                   | 83.7                                      | 86.4  | 88.2         | 75.5  | 75.5         | 71.8                  | 3.6                                  | 2.9   | 2.5          | 5.9   | 5.8          | 6.0                   |
| District of Columbia .....       | 71.9                                      | 82.7  | 90.9         | 67.1  | 67.0         | 64.2                  | 9.3                                  | 5.5   | 2.7          | 11.1  | 11.1         | 11.8                  |
| Florida .....                    | 83.9                                      | 87.1  | 89.1         | 73.6  | 73.6         | 81.3                  | 3.4                                  | 2.6   | 2.1          | 6.0   | 6.0          | 4.2                   |
| Georgia .....                    | 87.3                                      | 90.4  | 91.9         | 81.1  | 81.0         | 79.7                  | 2.5                                  | 1.8   | 1.3          | 3.9   | 3.9          | 5.4                   |
| Hawaii .....                     | 85.7                                      | 91.0  | 91.7         | 91.2  | 90.7         | 83.8                  | 2.9                                  | 2.1   | 1.9          | *     | *            | 3.2                   |
| Idaho .....                      | 80.5                                      | 80.7  | 82.9         | 73.7  | 73.6         | 64.8                  | 3.9                                  | 3.8   | 3.1          | *     | *            | 8.6                   |
| Illinois .....                   | 82.5                                      | 85.4  | 89.9         | 70.0  | 69.9         | 72.4                  | 4.1                                  | 3.0   | 2.1          | 8.7   | 8.7          | 5.9                   |
| Indiana .....                    | 80.6                                      | 82.2  | 83.3         | 67.3  | 67.2         | 64.4                  | 3.7                                  | 3.3   | 2.9          | 7.3   | 7.3          | 9.1                   |
| Iowa .....                       | 87.7                                      | 88.3  | 89.1         | 74.8  | 75.2         | 71.2                  | 2.2                                  | 2.1   | 1.9          | 5.1   | 5.2          | 6.5                   |
| Kansas .....                     | 85.8                                      | 86.7  | 89.2         | 76.9  | 77.0         | 68.1                  | 2.9                                  | 2.7   | 1.9          | 4.7   | 4.8          | 8.2                   |
| Kentucky .....                   | 86.6                                      | 87.4  | 87.7         | 78.3  | 78.3         | 71.2                  | 2.6                                  | 2.4   | 2.3          | 4.9   | 5.0          | 9.1                   |
| Louisiana .....                  | 82.9                                      | 89.7  | 89.8         | 73.2  | 73.2         | 85.6                  | 3.7                                  | 1.9   | 1.8          | 6.3   | 6.3          | 2.7                   |
| Maine .....                      | 89.2                                      | 89.5  | 89.7         | 83.0  | 81.4         | 84.4                  | 1.8                                  | 1.7   | 1.7          | *     | *            | *                     |
| Maryland .....                   | 87.0                                      | 91.4  | 92.4         | 78.0  | 78.0         | 81.4                  | 3.1                                  | 1.9   | 1.6          | 5.7   | 5.7          | 4.3                   |
| Massachusetts .....              | 89.4                                      | 90.8  | 92.2         | 80.0  | 80.3         | 79.0                  | 2.4                                  | 2.0   | 1.7          | 5.4   | 5.2          | 4.7                   |
| Michigan .....                   | 84.0                                      | 87.0  | 88.5         | 69.9  | 69.9         | 72.0                  | 3.6                                  | 2.6   | 2.2          | 8.2   | 8.1          | 6.4                   |
| Minnesota .....                  | 84.5                                      | 87.0  | 88.1         | 66.4  | 66.2         | 62.1                  | 2.7                                  | 2.2   | 1.9          | 6.7   | 6.6          | 7.7                   |
| Mississippi .....                | 81.5                                      | 89.1  | 89.3         | 72.7  | 72.7         | 74.5                  | 3.6                                  | 1.7   | 1.6          | 5.9   | 5.9          | 6.3                   |
| Missouri .....                   | 87.1                                      | 89.0  | 89.5         | 76.4  | 76.3         | 77.5                  | 2.7                                  | 2.2   | 2.0          | 5.9   | 5.9          | 5.4                   |
| Montana .....                    | 83.8                                      | 85.8  | 86.1         | 85.7  | 87.5         | 76.4                  | 3.0                                  | 2.3   | 2.1          | *     | *            | 6.6                   |
| Nebraska .....                   | 84.4                                      | 85.4  | 87.4         | 73.8  | 73.9         | 68.8                  | 2.9                                  | 2.5   | 2.0          | 6.9   | 6.8          | 7.1                   |
| Nevada .....                     | 75.2                                      | 75.5  | 83.2         | 69.6  | 69.8         | 62.0                  | 6.7                                  | 6.7   | 4.0          | 8.1   | 7.9          | 11.4                  |
| New Hampshire .....              | 90.7                                      | 91.0  | 91.4         | 72.9  | 70.9         | 80.6                  | 1.5                                  | 1.4   | 1.3          | *     | *            | *                     |
| New Jersey .....                 | 81.3                                      | 85.1  | 89.7         | 64.8  | 64.6         | 69.9                  | 4.7                                  | 3.3   | 2.1          | 10.8  | 10.9         | 7.3                   |
| New Mexico .....                 | 66.8                                      | 68.1  | 73.6         | 62.6  | 61.8         | 64.4                  | 10.0                                 | 9.5   | 7.6          | 10.4  | 11.1         | 10.8                  |
| New York .....                   | 81.0                                      | 84.2  | 88.1         | 71.0  | 71.2         | 71.8                  | 5.1                                  | 3.9   | 2.9          | 8.7   | 8.8          | 7.3                   |
| North Carolina .....             | 85.0                                      | 88.4  | 91.1         | 76.1  | 76.0         | 68.7                  | 3.0                                  | 2.2   | 1.5          | 5.3   | 5.3          | 7.3                   |
| North Dakota .....               | 86.3                                      | 88.3  | 88.6         | 72.1  | 72.6         | 81.7                  | 2.0                                  | 1.3   | 1.2          | *     | *            | *                     |
| Ohio .....                       | 86.6                                      | 88.4  | 88.6         | 76.3  | 76.6         | 77.9                  | 3.5                                  | 2.7   | 2.6          | 8.2   | 7.9          | 5.3                   |
| Oklahoma .....                   | 80.5                                      | 82.6  | 83.8         | 73.1  | 73.2         | 68.7                  | 4.2                                  | 3.5   | 3.2          | 6.0   | 5.9          | 6.8                   |
| Oregon .....                     | 80.9                                      | 81.2  | 83.8         | 76.0  | 76.1         | 68.6                  | 3.7                                  | 3.6   | 3.0          | 3.4   | 3.3          | 6.6                   |
| Pennsylvania .....               | 85.2                                      | 87.6  | 88.5         | 71.6  | 71.6         | 73.9                  | 3.3                                  | 2.6   | 2.4          | 8.0   | 8.0          | 5.6                   |
| Rhode Island .....               | 91.3                                      | 92.4  | 93.6         | 83.2  | 83.7         | 86.1                  | 1.4                                  | 1.1   | 0.9          | 3.4   | 2.8          | 2.5                   |
| South Carolina .....             | 80.7                                      | 85.9  | 87.2         | 70.9  | 70.9         | 61.1                  | 4.7                                  | 3.1   | 2.6          | 7.7   | 7.7          | 11.7                  |
| South Dakota .....               | 83.4                                      | 87.0  | 87.4         | 74.2  | 73.9         | 68.5                  | 3.1                                  | 1.8   | 1.7          | *     | *            | *                     |
| Tennessee .....                  | 84.3                                      | 87.0  | 87.9         | 74.6  | 74.6         | 64.0                  | 3.5                                  | 2.5   | 2.1          | 7.1   | 7.1          | 12.4                  |
| Texas .....                      | 79.3                                      | 79.3  | 87.3         | 76.7  | 76.7         | 72.2                  | 5.5                                  | 5.4   | 2.8          | 6.2   | 6.2          | 7.9                   |
| Utah .....                       | 80.5                                      | 81.5  | 84.0         | 63.7  | 62.4         | 63.0                  | 4.4                                  | 4.1   | 3.3          | 9.8   | 10.3         | 9.3                   |
| Vermont .....                    | 87.9                                      | 88.0  | 88.0         | 81.6  | 84.8         | 80.6                  | 2.5                                  | 2.4   | 2.4          | *     | *            | *                     |
| Virginia .....                   | 85.3                                      | 88.6  | 90.2         | 74.5  | 74.5         | 74.0                  | 3.2                                  | 2.3   | 1.9          | 6.0   | 6.0          | 6.2                   |
| Washington .....                 | 82.8                                      | 83.6  | 86.0         | 75.7  | 75.5         | 71.1                  | 3.1                                  | 2.9   | 2.4          | 4.4   | 4.3          | 5.6                   |
| West Virginia .....              | 85.1                                      | 85.6  | 85.7         | 70.7  | 70.8         | 68.8                  | 2.4                                  | 2.4   | 2.4          | 4.3   | 4.3          | *                     |
| Wisconsin .....                  | 84.1                                      | 86.6  | 87.7         | 69.1  | 69.1         | 70.6                  | 3.3                                  | 2.5   | 2.2          | 8.6   | 8.6          | 7.4                   |
| Wyoming .....                    | 83.0                                      | 83.4  | 84.3         | 76.4  | 76.8         | 74.8                  | 3.7                                  | 3.6   | 3.3          | *     | *            | 6.3                   |
| Puerto Rico .....                | 77.7                                      | 78.5  | ---          | 69.0  | ---          | ---                   | 3.7                                  | 3.5   | ---          | 5.4   | ---          | ---                   |
| Virgin Islands .....             | 59.6                                      | 63.1  | 73.5         | 58.2  | 59.0         | 57.5                  | 11.7                                 | 9.0   | *            | 12.4  | 12.2         | 8.7                   |
| Guam .....                       | 61.8                                      | 86.5  | 87.8         | 77.6  | 79.2         | 73.3                  | 14.0                                 | *     | *            | *     | *            | *                     |
| American Samoa .....             | ---                                       | ---   | ---          | ---   | ---          | ---                   | ---                                  | ---   | ---          | ---   | ---          | ---                   |
| Northern Marianas .....          | 30.2                                      | *     | ---          | *     | ---          | ---                   | 25.7                                 | *     | ---          | *     | ---          | ---                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or .

--- Data not available.

<sup>1</sup> Care beginning in 3rd trimester.<sup>2</sup> Includes races other than white and black and origin not stated.<sup>3</sup> Includes all persons of Hispanic origin of any race.<sup>4</sup> Excludes data for the territories.

NOTE: Data on prenatal care are not available for American Samoa. Data on month prenatal care began for the Northern Marianas are substantially incomplete; see Table I in the Technical notes.

**Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1999**

| Number of prenatal visits<br>and race and Hispanic origin of mother | All<br>births | Month of pregnancy prenatal care began |                      |             |                   |         |                   |            | Not<br>stated |
|---|---------------|--|----------------------|-------------|-------------------|---------|-------------------|------------|---------------|
|   |               | 1st trimester                          |                      |             | 2d trimester      |         | Late or no care   |            |               |
|   |               | Total                                  | 1st and 2d<br>months | 3d<br>month | 4th-6th<br>months | Total   | 7th-9th<br>months | No<br>care |               |
| All races <sup>1</sup> .....  | 3,959,417     | 3,198,714                              | 2,478,491            | 720,223     | 499,928           | 146,449 | 102,202           | 44,247     | 114,326       |
| No visits .....   | 44,247        | ...                                    | ...                  | ...         | ...               | 44,247  | ...               | 44,247     | ...           |
| 1-2 visits .....  | 39,675        | 9,921                                  | 6,689                | 3,232       | 9,343             | 18,469  | 18,469            | ...        | 1,942         |
| 3-4 visits .....  | 81,104        | 23,723                                 | 13,755               | 9,968       | 28,884            | 25,807  | 25,807            | ...        | 2,690         |
| 5-6 visits .....  | 172,584       | 73,357                                 | 43,087               | 30,270      | 69,951            | 25,495  | 25,495            | ...        | 3,781         |
| 7-8 visits .....  | 317,189       | 191,117                                | 118,244              | 72,873      | 106,027           | 14,975  | 14,975            | ...        | 5,070         |
| 9-10 visits .....   | 745,368       | 589,430                                | 398,952              | 190,478     | 138,821           | 8,435   | 8,435             | ...        | 8,682         |
| 11-12 visits .....  | 1,024,418     | 935,203                                | 726,827              | 208,376     | 79,565            | 3,435   | 3,435             | ...        | 6,215         |
| 13-14 visits .....  | 657,157       | 623,916                                | 520,336              | 103,580     | 28,675            | 1,395   | 1,395             | ...        | 3,171         |
| 15-16 visits .....  | 474,820       | 452,829                                | 393,370              | 59,459      | 18,742            | 1,001   | 1,001             | ...        | 2,248         |
| 17-18 visits .....  | 103,130       | 98,949                                 | 85,839               | 13,110      | 3,428             | 203     | 203               | ...        | 550           |
| 19 visits or more .....   | 146,593       | 139,332                                | 123,321              | 16,011      | 5,872             | 461     | 461               | ...        | 928           |
| Not stated .....  | 153,132       | 60,937                                 | 48,071               | 12,866      | 10,620            | 2,526   | 2,526             | ...        | 79,049        |
| Median number of visits .....                                       | 12.3          | 12.6                                   | 12.8                 | 11.6        | 9.6               | 5.4     | 5.4               | ...        | 10.3          |
| White, total .....  | 3,132,501     | 2,597,095                              | 2,030,014            | 567,081     | 357,303           | 98,770  | 71,262            | 27,508     | 79,333        |
| No visits .....   | 27,508        | ...                                    | ...                  | ...         | ...               | 27,508  | ...               | 27,508     | ...           |
| 1-2 visits .....  | 25,067        | 6,381                                  | 4,332                | 2,049       | 5,403             | 12,137  | 12,137            | ...        | 1,146         |
| 3-4 visits .....  | 53,202        | 15,775                                 | 9,199                | 6,576       | 18,194            | 17,513  | 17,513            | ...        | 1,720         |
| 5-6 visits .....  | 120,541       | 52,425                                 | 30,736               | 21,689      | 47,541            | 18,026  | 18,026            | ...        | 2,549         |
| 7-8 visits .....  | 238,264       | 148,071                                | 92,464               | 55,607      | 75,704            | 10,848  | 10,848            | ...        | 3,641         |
| 9-10 visits .....   | 582,074       | 468,547                                | 320,114              | 148,433     | 101,076           | 6,133   | 6,133             | ...        | 6,318         |
| 11-12 visits .....  | 838,448       | 771,527                                | 603,619              | 167,908     | 59,551            | 2,573   | 2,573             | ...        | 4,797         |
| 13-14 visits .....  | 547,578       | 522,041                                | 436,894              | 85,147      | 21,990            | 1,075   | 1,075             | ...        | 2,472         |
| 15-16 visits .....  | 388,062       | 371,505                                | 323,812              | 47,693      | 14,029            | 788     | 788               | ...        | 1,740         |
| 17-18 visits .....  | 85,252        | 82,014                                 | 71,521               | 10,493      | 2,633             | 153     | 153               | ...        | 452           |
| 19 visits or more .....   | 118,521       | 113,330                                | 101,140              | 12,190      | 4,138             | 354     | 354               | ...        | 699           |
| Not stated .....  | 107,984       | 45,479                                 | 36,183               | 9,296       | 7,044             | 1,662   | 1,662             | ...        | 53,799        |
| Median number of visits .....                                       | 12.4          | 12.7                                   | 12.9                 | 11.7        | 9.8               | 5.6     | 5.6               | ...        | 10.4          |
| White, non-Hispanic .....   | 2,346,450     | 2,030,575                              | 1,618,301            | 412,274     | 214,732           | 52,435  | 37,826            | 14,609     | 48,708        |
| No visits .....   | 14,609        | ...                                    | ...                  | ...         | ...               | 14,609  | ...               | 14,609     | ...           |
| 1-2 visits .....  | 13,307        | 3,687                                  | 2,576                | 1,111       | 2,795             | 6,184   | 6,184             | ...        | 641           |
| 3-4 visits .....  | 29,001        | 9,446                                  | 5,729                | 3,717       | 9,716             | 8,852   | 8,852             | ...        | 987           |
| 5-6 visits .....  | 72,455        | 34,980                                 | 21,352               | 13,628      | 26,592            | 9,351   | 9,351             | ...        | 1,532         |
| 7-8 visits .....  | 159,717       | 107,017                                | 68,775               | 38,242      | 44,513            | 5,921   | 5,921             | ...        | 2,266         |
| 9-10 visits .....   | 416,996       | 348,502                                | 244,266              | 104,236     | 60,700            | 3,486   | 3,486             | ...        | 4,308         |
| 11-12 visits .....  | 664,465       | 620,066                                | 492,401              | 127,665     | 39,171            | 1,677   | 1,677             | ...        | 3,551         |
| 13-14 visits .....  | 443,357       | 425,567                                | 359,099              | 66,468      | 15,174            | 680     | 680               | ...        | 1,936         |
| 15-16 visits .....  | 302,852       | 292,770                                | 258,074              | 34,696      | 8,246             | 500     | 500               | ...        | 1,336         |
| 17-18 visits .....  | 68,686        | 66,412                                 | 58,256               | 8,156       | 1,809             | 104     | 104               | ...        | 361           |
| 19 visits or more .....   | 96,222        | 92,758                                 | 83,544               | 9,214       | 2,706             | 256     | 256               | ...        | 502           |
| Not stated .....  | 64,783        | 29,370                                 | 24,229               | 5,141       | 3,310             | 815     | 815               | ...        | 31,288        |
| Median number of visits .....                                       | 12.5          | 12.7                                   | 12.9                 | 11.9        | 10.0              | 5.7     | 5.7               | ...        | 10.7          |
| Black, total .....  | 605,970       | 429,639                                | 317,995              | 111,644     | 111,678           | 38,493  | 23,943            | 14,550     | 26,160        |
| No visits .....   | 14,550        | ...                                    | ...                  | ...         | ...               | 14,550  | ...               | 14,550     | ...           |
| 1-2 visits .....  | 11,947        | 2,931                                  | 1,951                | 980         | 3,302             | 5,040   | 5,040             | ...        | 674           |
| 3-4 visits .....  | 22,230        | 6,386                                  | 3,673                | 2,713       | 8,584             | 6,508   | 6,508             | ...        | 752           |
| 5-6 visits .....  | 40,073        | 15,854                                 | 9,447                | 6,407       | 17,536            | 5,739   | 5,739             | ...        | 944           |
| 7-8 visits .....  | 57,558        | 30,183                                 | 18,050               | 12,133      | 23,209            | 3,096   | 3,096             | ...        | 1,070         |
| 9-10 visits .....   | 119,593       | 86,624                                 | 56,079               | 30,545      | 29,478            | 1,746   | 1,746             | ...        | 1,745         |
| 11-12 visits .....  | 128,219       | 111,403                                | 82,693               | 28,710      | 15,255            | 611     | 611               | ...        | 950           |
| 13-14 visits .....  | 76,811        | 70,916                                 | 57,808               | 13,108      | 5,208             | 221     | 221               | ...        | 466           |
| 15-16 visits .....  | 64,126        | 59,695                                 | 50,807               | 8,888       | 3,895             | 156     | 156               | ...        | 380           |
| 17-18 visits .....  | 13,065        | 12,307                                 | 10,295               | 2,012       | 645               | 35      | 35                | ...        | 78            |
| 19 visits or more .....   | 22,298        | 20,552                                 | 17,393               | 3,159       | 1,487             | 84      | 84                | ...        | 175           |
| Not stated .....  | 35,500        | 12,788                                 | 9,799                | 2,989       | 3,079             | 707     | 707               | ...        | 18,926        |
| Median number of visits .....                                       | 11.7          | 12.5                                   | 12.7                 | 11.2        | 9.2               | 5.0     | 5.0               | ...        | 9.4           |

See footnotes at end of table.

**Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1999 --Con.**

| Number of prenatal visits<br>and race and Hispanic origin of mother | All<br>births | Month of pregnancy prenatal care began |                      |             |                   |        |                   |            | Not<br>stated |
|---|---------------|--|----------------------|-------------|-------------------|--------|-------------------|------------|---------------|
|   |               | 1st trimester                          |                      |             | 2d trimester      |        | Late or no care   |            |               |
|   |               | Total                                  | 1st and 2d<br>months | 3d<br>month | 4th-6th<br>months | Total  | 7th-9th<br>months | No<br>care |               |
| Black, non-Hispanic .....   | 588,981       | 418,140                                | 309,771              | 108,369     | 108,654           | 37,280 | 23,105            | 14,175     | 24,907        |
| No visits .....   | 14,175        | ...                                    | ...                  | ...         | ...               | 14,175 | ...               | 14,175     | ...           |
| 1-2 visits .....  | 11,654        | 2,866                                  | 1,910                | 956         | 3,231             | 4,903  | 4,903             | ...        | 654           |
| 3-4 visits .....  | 21,608        | 6,235                                  | 3,590                | 2,645       | 8,376             | 6,287  | 6,287             | ...        | 710           |
| 5-6 visits .....  | 38,969        | 15,442                                 | 9,228                | 6,214       | 17,095            | 5,530  | 5,530             | ...        | 902           |
| 7-8 visits .....  | 55,803        | 29,276                                 | 17,523               | 11,753      | 22,547            | 2,971  | 2,971             | ...        | 1,009         |
| 9-10 visits .....   | 115,543       | 83,585                                 | 54,071               | 29,514      | 28,656            | 1,676  | 1,676             | ...        | 1,626         |
| 11-12 visits .....  | 124,630       | 108,364                                | 80,462               | 27,902      | 14,802            | 583    | 583               | ...        | 881           |
| 13-14 visits .....  | 74,901        | 69,204                                 | 56,483               | 12,721      | 5,040             | 215    | 215               | ...        | 442           |
| 15-16 visits .....  | 62,880        | 58,538                                 | 49,840               | 8,698       | 3,820             | 154    | 154               | ...        | 368           |
| 17-18 visits .....  | 12,773        | 12,036                                 | 10,077               | 1,959       | 627               | 33     | 33                | ...        | 77            |
| 19 visits or more .....   | 21,830        | 20,124                                 | 17,031               | 3,093       | 1,456             | 84     | 84                | ...        | 166           |
| Not stated .....  | 34,215        | 12,470                                 | 9,556                | 2,914       | 3,004             | 669    | 669               | ...        | 18,072        |
| Median number of visits .....                                       | 11.8          | 12.5                                   | 12.7                 | 11.2        | 9.2               | 5.0    | 5.0               | ...        | 9.3           |
| Hispanic <sup>2</sup> .....   | 764,339       | 548,580                                | 396,758              | 151,822     | 142,091           | 46,232 | 33,598            | 12,634     | 27,436        |
| No visits .....   | 12,634        | ...                                    | ...                  | ...         | ...               | 12,634 | ...               | 12,634     | ...           |
| 1-2 visits .....  | 11,792        | 2,679                                  | 1,747                | 932         | 2,633             | 5,990  | 5,990             | ...        | 490           |
| 3-4 visits .....  | 24,332        | 6,319                                  | 3,467                | 2,852       | 8,545             | 8,739  | 8,739             | ...        | 729           |
| 5-6 visits .....  | 48,058        | 17,303                                 | 9,269                | 8,034       | 21,048            | 8,723  | 8,723             | ...        | 984           |
| 7-8 visits .....  | 77,792        | 40,432                                 | 23,274               | 17,158      | 31,079            | 4,939  | 4,939             | ...        | 1,342         |
| 9-10 visits .....   | 162,407       | 117,556                                | 73,837               | 43,719      | 40,200            | 2,657  | 2,657             | ...        | 1,994         |
| 11-12 visits .....  | 167,443       | 145,168                                | 106,051              | 39,117      | 20,184            | 908    | 908               | ...        | 1,183         |
| 13-14 visits .....  | 100,019       | 92,387                                 | 74,350               | 18,037      | 6,729             | 393    | 393               | ...        | 510           |
| 15-16 visits .....  | 82,714        | 76,312                                 | 63,598               | 12,714      | 5,737             | 287    | 287               | ...        | 378           |
| 17-18 visits .....  | 15,984        | 15,022                                 | 12,751               | 2,271       | 825               | 50     | 50                | ...        | 87            |
| 19 visits or more .....   | 21,588        | 19,894                                 | 16,968               | 2,926       | 1,419             | 96     | 96                | ...        | 179           |
| Not stated .....  | 39,576        | 15,508                                 | 11,446               | 4,062       | 3,692             | 816    | 816               | ...        | 19,560        |
| Median number of visits .....                                       | 11.6          | 12.4                                   | 12.7                 | 11.1        | 9.4               | 5.4    | 5.4               | ...        | 9.7           |

... Category not applicable.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.

**Table 36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 1999**

[Rates are number of live births with specified procedure per 1,000 live births in specified group]

| Obstetric procedure and race of mother | All births | Obstetric procedure reported | Age of mother |                |             |             |             |             |             | Not stated <sup>1</sup> |
|--|------------|------------------------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
|  |            |                              | All ages      | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |                         |
| All races <sup>2</sup>                 |            |                              |               |                |             |             |             |             |             |                         |
| Amniocentesis .....                    | 3,959,417  | 103,874                      | 26.5          | 6.8            | 8.6         | 11.6        | 21.8        | 109.7       | 156.0       | 42,734                  |
| Electronic fetal monitoring .....      | 3,959,417  | 3,296,037                    | 841.5         | 851.9          | 846.7       | 844.2       | 837.2       | 826.4       | 813.4       | 42,734                  |
| Induction of labor .....               | 3,959,417  | 775,245                      | 197.9         | 182.7          | 195.2       | 206.0       | 201.4       | 194.9       | 192.7       | 42,734                  |
| Stimulation of labor .....             | 3,959,417  | 702,784                      | 179.4         | 192.9          | 184.4       | 182.2       | 175.2       | 161.0       | 149.9       | 42,734                  |
| Tocolysis .....                        | 3,959,417  | 92,342                       | 23.6          | 25.4           | 24.2        | 23.4        | 22.8        | 22.4        | 22.7        | 42,734                  |
| Ultrasound .....                       | 3,959,417  | 2,579,276                    | 658.5         | 630.4          | 646.7       | 665.0       | 672.4       | 671.0       | 664.8       | 42,734                  |
| White                                  |            |                              |               |                |             |             |             |             |             |                         |
| Amniocentesis .....                    | 3,132,501  | 87,511                       | 28.2          | 6.9            | 8.8         | 11.7        | 22.4        | 114.6       | 166.2       | 33,113                  |
| Electronic fetal monitoring .....      | 3,132,501  | 2,614,055                    | 843.4         | 853.3          | 847.6       | 846.8       | 840.2       | 829.1       | 815.0       | 33,113                  |
| Induction of labor .....               | 3,132,501  | 648,095                      | 209.1         | 194.6          | 207.5       | 217.2       | 211.1       | 203.9       | 200.8       | 33,113                  |
| Stimulation of labor .....             | 3,132,501  | 566,588                      | 182.8         | 200.5          | 189.5       | 184.9       | 177.6       | 163.4       | 153.1       | 33,113                  |
| Tocolysis .....                        | 3,132,501  | 73,884                       | 23.8          | 26.5           | 24.7        | 23.6        | 23.0        | 22.4        | 22.0        | 33,113                  |
| Ultrasound .....                       | 3,132,501  | 2,081,638                    | 671.6         | 648.0          | 660.9       | 676.6       | 682.6       | 681.2       | 676.4       | 33,113                  |
| Black                                  |            |                              |               |                |             |             |             |             |             |                         |
| Amniocentesis .....                    | 605,970    | 9,296                        | 15.5          | 6.3            | 7.8         | 11.2        | 17.0        | 64.7        | 89.4        | 4,468                   |
| Electronic fetal monitoring .....      | 605,970    | 508,057                      | 844.6         | 853.7          | 850.0       | 842.7       | 834.6       | 828.6       | 823.0       | 4,468                   |
| Induction of labor .....               | 605,970    | 95,500                       | 158.8         | 154.5          | 156.9       | 162.7       | 160.6       | 161.4       | 164.2       | 4,468                   |
| Stimulation of labor .....             | 605,970    | 97,708                       | 162.4         | 175.5          | 167.4       | 160.5       | 151.1       | 141.5       | 134.0       | 4,468                   |
| Tocolysis .....                        | 605,970    | 13,477                       | 22.4          | 21.6           | 21.8        | 22.7        | 23.2        | 23.8        | 26.6        | 4,468                   |
| Ultrasound .....                       | 605,970    | 362,419                      | 602.5         | 586.9          | 599.9       | 610.3       | 612.3       | 611.9       | 607.9       | 4,468                   |

<sup>1</sup> No response reported for the obstetric procedures item.<sup>2</sup> Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.



**Table 37. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother: United States, 1999**

[Rates are number of live births with specified complication per 1,000 live births in specified group]

| Complication and race of mother            | All births <sup>1</sup> | Complication reported | Age of mother |                |             |             |             |             |             | Not stated <sup>2</sup> |
|--|-------------------------|-----------------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
|  |                         |                       | All ages      | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |                         |
| All races <sup>3</sup>                     |                         |                       |               |                |             |             |             |             |             |                         |
| Febrile .....                              | 3,959,417               | 59,904                | 15.3          | 18.5           | 15.6        | 15.9        | 14.5        | 12.3        | 11.1        | 52,046                  |
| Meconium, moderate/heavy .....             | 3,959,417               | 213,698               | 54.7          | 59.7           | 55.2        | 53.5        | 52.5        | 55.1        | 55.5        | 52,046                  |
| Premature rupture of membrane .....        | 3,959,417               | 100,130               | 25.6          | 26.7           | 24.3        | 25.1        | 25.8        | 27.3        | 30.9        | 52,046                  |
| Abruptio placenta .....                    | 3,959,417               | 21,999                | 5.6           | 5.4            | 5.2         | 5.3         | 5.8         | 7.0         | 8.6         | 52,046                  |
| Placenta previa .....                      | 3,959,417               | 12,492                | 3.2           | 1.1            | 1.7         | 2.8         | 4.3         | 6.5         | 8.9         | 52,046                  |
| Other excessive bleeding .....             | 3,959,417               | 21,930                | 5.6           | 5.2            | 5.2         | 5.5         | 5.8         | 6.4         | 8.2         | 52,046                  |
| Seizures during labor .....                | 3,959,417               | 1,331                 | 0.3           | 0.7            | 0.4         | 0.3         | 0.2         | 0.3         | 0.3         | 52,046                  |
| Precipitous labor .....                    | 3,959,417               | 77,848                | 19.9          | 14.3           | 18.9        | 19.8        | 22.1        | 23.6        | 23.3        | 52,046                  |
| Prolonged labor .....                      | 3,959,417               | 30,683                | 7.9           | 8.4            | 8.0         | 7.8         | 7.8         | 7.3         | 7.9         | 52,046                  |
| Dysfunctional labor .....                  | 3,959,417               | 105,795               | 27.1          | 26.5           | 25.5        | 27.4        | 27.7        | 28.2        | 31.2        | 52,046                  |
| Breech/Malpresentation .....               | 3,959,417               | 152,084               | 38.9          | 29.2           | 31.5        | 39.1        | 44.7        | 50.4        | 58.1        | 52,046                  |
| Cephalopelvic disproportion .....          | 3,959,417               | 71,604                | 18.3          | 17.4           | 16.7        | 19.2        | 19.2        | 18.6        | 20.6        | 52,046                  |
| Cord prolapse .....                        | 3,959,417               | 7,773                 | 2.0           | 1.6            | 1.8         | 1.9         | 2.1         | 2.5         | 2.8         | 52,046                  |
| Anesthetic complication <sup>4</sup> ..... | 3,610,172               | 2,299                 | 0.6           | 0.4            | 0.5         | 0.7         | 0.7         | 0.8         | 0.9         | 54,515                  |
| Fetal distress <sup>4</sup> .....          | 3,610,172               | 140,756               | 39.6          | 43.7           | 38.5        | 38.0        | 38.6        | 41.7        | 49.7        | 54,515                  |
| White                                      |                         |                       |               |                |             |             |             |             |             |                         |
| Febrile .....                              | 3,132,501               | 45,210                | 14.6          | 17.7           | 15.1        | 15.2        | 13.8        | 11.7        | 10.9        | 40,717                  |
| Meconium, moderate/heavy .....             | 3,132,501               | 156,049               | 50.5          | 53.5           | 50.6        | 49.7        | 49.1        | 51.7        | 52.3        | 40,717                  |
| Premature rupture of membrane .....        | 3,132,501               | 75,850                | 24.5          | 24.8           | 23.0        | 24.1        | 25.0        | 26.3        | 30.6        | 40,717                  |
| Abruptio placenta .....                    | 3,132,501               | 16,703                | 5.4           | 5.0            | 4.9         | 5.1         | 5.6         | 6.7         | 8.2         | 40,717                  |
| Placenta previa .....                      | 3,132,501               | 9,651                 | 3.1           | 1.1            | 1.7         | 2.7         | 4.1         | 6.2         | 8.3         | 40,717                  |
| Other excessive bleeding .....             | 3,132,501               | 17,533                | 5.7           | 5.5            | 5.4         | 5.5         | 5.7         | 6.3         | 7.8         | 40,717                  |
| Seizures during labor .....                | 3,132,501               | 951                   | 0.3           | 0.6            | 0.3         | 0.2         | 0.2         | 0.2         | 0.3         | 40,717                  |
| Precipitous labor .....                    | 3,132,501               | 60,427                | 19.5          | 13.2           | 18.1        | 19.3        | 21.9        | 23.8        | 23.0        | 40,717                  |
| Prolonged labor .....                      | 3,132,501               | 24,903                | 8.1           | 8.8            | 8.3         | 8.0         | 7.9         | 7.4         | 8.3         | 40,717                  |
| Dysfunctional labor .....                  | 3,132,501               | 84,394                | 27.3          | 26.8           | 25.7        | 27.8        | 27.7        | 28.1        | 31.3        | 40,717                  |
| Breech/Malpresentation .....               | 3,132,501               | 126,242               | 40.8          | 31.7           | 33.2        | 40.9        | 45.8        | 51.4        | 59.1        | 40,717                  |
| Cephalopelvic disproportion .....          | 3,132,501               | 58,220                | 18.8          | 17.9           | 17.6        | 19.8        | 19.3        | 18.6        | 20.7        | 40,717                  |
| Cord prolapse .....                        | 3,132,501               | 6,076                 | 2.0           | 1.6            | 1.8         | 1.9         | 2.1         | 2.4         | 2.7         | 40,717                  |
| Anesthetic complication <sup>4</sup> ..... | 2,834,420               | 1,848                 | 0.7           | 0.4            | 0.5         | 0.7         | 0.8         | 0.8         | 0.9         | 42,827                  |
| Fetal distress <sup>4</sup> .....          | 2,834,420               | 105,319               | 37.7          | 41.3           | 36.7        | 36.5        | 36.7        | 39.8        | 47.6        | 42,827                  |
| Black                                      |                         |                       |               |                |             |             |             |             |             |                         |
| Febrile .....                              | 605,970                 | 9,786                 | 16.3          | 20.5           | 15.9        | 15.8        | 14.6        | 13.0        | 10.6        | 5,735                   |
| Meconium, moderate/heavy .....             | 605,970                 | 45,488                | 75.8          | 76.8           | 72.8        | 75.1        | 78.8        | 81.0        | 76.8        | 5,735                   |
| Premature rupture of membrane .....        | 605,970                 | 18,460                | 30.8          | 30.6           | 28.3        | 30.4        | 33.7        | 35.1        | 36.1        | 5,735                   |
| Abruptio placenta .....                    | 605,970                 | 4,128                 | 6.9           | 6.2            | 6.0         | 7.1         | 7.8         | 9.1         | 9.9         | 5,735                   |
| Placenta previa .....                      | 605,970                 | 1,861                 | 3.1           | 1.1            | 1.9         | 3.3         | 5.2         | 6.8         | 10.8        | 5,735                   |
| Other excessive bleeding .....             | 605,970                 | 2,511                 | 4.2           | 3.5            | 3.8         | 4.0         | 4.9         | 5.7         | 8.2         | 5,735                   |
| Seizures during labor .....                | 605,970                 | 303                   | 0.5           | 0.9            | 0.5         | 0.4         | 0.3         | 0.4         | *           | 5,735                   |
| Precipitous labor .....                    | 605,970                 | 12,930                | 21.5          | 16.6           | 21.7        | 22.7        | 24.8        | 23.5        | 24.9        | 5,735                   |
| Prolonged labor .....                      | 605,970                 | 3,893                 | 6.5           | 6.9            | 6.4         | 6.2         | 6.6         | 6.2         | 6.0         | 5,735                   |
| Dysfunctional labor .....                  | 605,970                 | 15,292                | 25.5          | 25.3           | 24.3        | 24.9        | 27.2        | 28.8        | 27.9        | 5,735                   |
| Breech/Malpresentation .....               | 605,970                 | 18,256                | 30.4          | 22.5           | 25.7        | 31.0        | 39.5        | 46.3        | 53.8        | 5,735                   |
| Cephalopelvic disproportion .....          | 605,970                 | 8,644                 | 14.4          | 16.2           | 13.2        | 14.3        | 14.6        | 14.5        | 14.1        | 5,735                   |
| Cord prolapse .....                        | 605,970                 | 1,307                 | 2.2           | 1.7            | 1.9         | 2.1         | 2.6         | 3.6         | 3.7         | 5,735                   |
| Anesthetic complication <sup>4</sup> ..... | 565,873                 | 342                   | 0.6           | 0.5            | 0.5         | 0.6         | 0.8         | 0.9         | *           | 6,053                   |
| Fetal distress <sup>4</sup> .....          | 565,873                 | 28,085                | 50.2          | 50.7           | 46.2        | 48.8        | 54.1        | 58.5        | 63.0        | 6,053                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Total number of births to residents of areas reporting specified complication.<sup>2</sup> No response reported for the complications item.<sup>3</sup> Includes races other than white and black.<sup>4</sup> Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 1999

| Place of delivery and<br>race and Hispanic origin<br>of mother | All births | Physician |                       |                         | Midwife |                               |                  | Other  | Unspecified |
|--|------------|-----------|-----------------------|-------------------------|---------|-------------------------------|------------------|--------|-------------|
|  |            | Total     | Doctor of<br>medicine | Doctor of<br>osteopathy | Total   | Certified<br>nurse<br>midwife | Other<br>midwife |        |             |
| All races <sup>1</sup>   |            |           |                       |                         |         |                               |                  |        |             |
| Total .....  | 3,959,417  | 3,633,115 | 3,473,378             | 159,737                 | 303,141 | 287,298                       | 15,843           | 21,889 | 1,272       |
| In hospital <sup>2</sup> .....                                 | 3,923,059  | 3,628,084 | 3,469,267             | 158,817                 | 282,352 | 278,364                       | 3,988            | 11,929 | 694         |
| Not in hospital .....  | 35,977     | 4,879     | 3,968                 | 911                     | 20,647  | 8,799                         | 11,848           | 9,924  | 527         |
| Freestanding birthing center .....                             | 9,642      | 1,446     | 847                   | 599                     | 7,952   | 5,437                         | 2,515            | 237    | 7           |
| Clinic or doctor's office .....                                | 464        | 274       | 254                   | 20                      | 145     | 44                            | 101              | 43     | 2           |
| Residence .....  | 23,518     | 2,476     | 2,219                 | 257                     | 12,123  | 3,064                         | 9,059            | 8,524  | 395         |
| Other .....  | 2,353      | 683       | 648                   | 35                      | 427     | 254                           | 173              | 1,120  | 123         |
| Not specified .....  | 381        | 152       | 143                   | 9                       | 142     | 135                           | 7                | 36     | 51          |
| White, total   |            |           |                       |                         |         |                               |                  |        |             |
| Total .....  | 3,132,501  | 2,875,669 | 2,737,954             | 137,715                 | 238,595 | 223,986                       | 14,609           | 17,348 | 889         |
| In hospital <sup>2</sup> .....                                 | 3,100,598  | 2,871,951 | 2,735,099             | 136,852                 | 218,858 | 215,717                       | 3,141            | 9,282  | 507         |
| Not in hospital .....  | 31,583     | 3,589     | 2,733                 | 856                     | 19,609  | 8,147                         | 11,462           | 8,039  | 346         |
| Freestanding birthing center .....                             | 9,044      | 1,366     | 772                   | 594                     | 7,454   | 5,046                         | 2,408            | 217    | 7           |
| Clinic or doctor's office .....                                | 384        | 226       | 212                   | 14                      | 133     | 39                            | 94               | 24     | 1           |
| Residence .....  | 20,615     | 1,636     | 1,410                 | 226                     | 11,661  | 2,864                         | 8,797            | 7,045  | 273         |
| Other .....  | 1,540      | 361       | 339                   | 22                      | 361     | 198                           | 163              | 753    | 65          |
| Not specified .....  | 320        | 129       | 122                   | 7                       | 128     | 122                           | 6                | 27     | 36          |
| White, non-Hispanic  |            |           |                       |                         |         |                               |                  |        |             |
| Total .....  | 2,346,450  | 2,168,573 | 2,055,891             | 112,682                 | 164,600 | 152,598                       | 12,002           | 12,640 | 637         |
| In hospital <sup>2</sup> .....                                 | 2,319,638  | 2,165,402 | 2,053,556             | 111,846                 | 147,859 | 145,531                       | 2,328            | 5,976  | 401         |
| Not in hospital .....  | 26,535     | 3,058     | 2,228                 | 830                     | 16,622  | 6,954                         | 9,668            | 6,646  | 209         |
| Freestanding birthing center .....                             | 6,999      | 1,241     | 655                   | 586                     | 5,602   | 4,235                         | 1,367            | 155    | 1           |
| Clinic or doctor's office .....                                | 339        | 206       | 192                   | 14                      | 118     | 34                            | 84               | 14     | 1           |
| Residence .....  | 18,161     | 1,369     | 1,153                 | 216                     | 10,624  | 2,553                         | 8,071            | 5,983  | 185         |
| Other .....  | 1,036      | 242       | 228                   | 14                      | 278     | 132                           | 146              | 494    | 22          |
| Not specified .....  | 277        | 113       | 107                   | 6                       | 119     | 113                           | 6                | 18     | 27          |
| Black, total   |            |           |                       |                         |         |                               |                  |        |             |
| Total .....  | 605,970    | 556,639   | 540,308               | 16,331                  | 45,723  | 44,933                        | 790              | 3,341  | 267         |
| In hospital <sup>2</sup> .....                                 | 602,652    | 555,527   | 539,237               | 16,290                  | 45,092  | 44,477                        | 615              | 1,903  | 130         |
| Not in hospital .....  | 3,272      | 1,094     | 1,054                 | 40                      | 625     | 451                           | 174              | 1,429  | 124         |
| Freestanding birthing center .....                             | 391        | 61        | 59                    | 2                       | 316     | 258                           | 58               | 14     | -           |
| Clinic or doctor's office .....                                | 24         | 16        | 14                    | 2                       | 8       | 2                             | 6                | -      | -           |
| Residence .....  | 2,239      | 733       | 708                   | 25                      | 259     | 153                           | 106              | 1,169  | 78          |
| Other .....  | 618        | 284       | 273                   | 11                      | 42      | 38                            | 4                | 246    | 46          |
| Not specified .....  | 46         | 18        | 17                    | 1                       | 6       | 5                             | 1                | 9      | 13          |
| Black, non-Hispanic  |            |           |                       |                         |         |                               |                  |        |             |
| Total .....  | 588,981    | 542,427   | 526,850               | 15,577                  | 43,037  | 42,280                        | 757              | 3,268  | 249         |
| In hospital <sup>2</sup> .....                                 | 585,821    | 541,350   | 525,812               | 15,538                  | 42,474  | 41,866                        | 608              | 1,871  | 126         |
| Not in hospital .....  | 3,123      | 1,060     | 1,022                 | 38                      | 558     | 410                           | 148              | 1,390  | 115         |
| Freestanding birthing center .....                             | 362        | 61        | 59                    | 2                       | 288     | 235                           | 53               | 13     | -           |
| Clinic or doctor's office .....                                | 24         | 16        | 14                    | 2                       | 8       | 2                             | 6                | -      | -           |
| Residence .....  | 2,143      | 706       | 683                   | 23                      | 224     | 139                           | 85               | 1,138  | 75          |
| Other .....  | 594        | 277       | 266                   | 11                      | 38      | 34                            | 4                | 239    | 40          |
| Not specified .....  | 37         | 17        | 16                    | 1                       | 5       | 4                             | 1                | 7      | 8           |
| Hispanic <sup>3</sup>  |            |           |                       |                         |         |                               |                  |        |             |
| Total .....  | 764,339    | 687,152   | 663,212               | 23,940                  | 72,838  | 70,449                        | 2,389            | 4,181  | 168         |
| In hospital <sup>2</sup> .....                                 | 759,949    | 686,658   | 662,738               | 23,920                  | 70,151  | 69,379                        | 772              | 3,075  | 65          |
| Not in hospital .....  | 4,368      | 484       | 464                   | 20                      | 2,682   | 1,065                         | 1,617            | 1,099  | 103         |
| Freestanding birthing center .....                             | 2,048      | 122       | 117                   | 5                       | 1,857   | 809                           | 1,048            | 63     | 6           |
| Clinic or doctor's office .....                                | 43         | 18        | 18                    | -                       | 15      | 5                             | 10               | 10     | -           |
| Residence .....  | 1,821      | 227       | 220                   | 7                       | 737     | 195                           | 542              | 797    | 60          |
| Other .....  | 456        | 117       | 109                   | 8                       | 73      | 56                            | 17               | 229    | 37          |
| Not specified .....  | 22         | 10        | 10                    | -                       | 5       | 5                             | -                | 7      | -           |

- Quantity zero.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes births occurring en route to or on arrival at hospital.<sup>3</sup> Includes all persons of Hispanic origin of any race.

**Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-99**

| Year and race and Hispanic origin of mother | Births by method of delivery |           |                         |          |         |         | Cesarean delivery rate |                    | Rate of vaginal birth after previous cesarean <sup>3</sup> |                      |
|---|------------------------------|-----------|-------------------------|----------|---------|---------|------------------------|--------------------|--|----------------------|
|   | All births                   | Vaginal   |                         | Cesarean |         |         | Not stated             | Total <sup>1</sup> |  | Primary <sup>2</sup> |
|   |                              | Total     | After previous cesarean | Total    | Primary | Repeat  |                        |                    |  |                      |
| <b>All races<sup>4</sup></b>                |                              |           |                         |          |         |         |                        |                    |  |                      |
| 1999  | 3,959,417                    | 3,063,870 | 97,680                  | 862,086  | 542,080 | 320,006 | 33,461                 | 22.0               | 15.5   | 23.4                 |
| 1998  | 3,941,553                    | 3,078,537 | 108,903                 | 825,870  | 519,975 | 305,895 | 37,146                 | 21.2               | 14.9   | 26.3                 |
| 1997  | 3,880,894                    | 3,046,621 | 112,145                 | 799,033  | 502,526 | 296,507 | 35,240                 | 20.8               | 14.6   | 27.4                 |
| 1996  | 3,891,494                    | 3,061,092 | 116,045                 | 797,119  | 503,724 | 293,395 | 33,283                 | 20.7               | 14.6   | 28.3                 |
| 1995  | 3,899,589                    | 3,063,724 | 112,439                 | 806,722  | 510,104 | 296,618 | 29,143                 | 20.8               | 14.7   | 27.5                 |
| 1994  | 3,952,767                    | 3,087,576 | 110,341                 | 830,517  | 520,647 | 309,870 | 34,674                 | 21.2               | 14.9   | 26.3                 |
| 1993  | 4,000,240                    | 3,098,796 | 103,581                 | 861,987  | 539,251 | 322,736 | 39,457                 | 21.8               | 15.3   | 24.3                 |
| 1992  | 4,065,014                    | 3,100,710 | 97,549                  | 888,622  | 554,662 | 333,960 | 75,682                 | 22.3               | 15.6   | 22.6                 |
| 1991  | 4,110,907                    | 3,100,891 | 90,690                  | 905,077  | 569,195 | 335,882 | 104,939                | 22.6               | 15.9   | 21.3                 |
| 1990 <sup>5</sup>                           | 4,110,563                    | 3,111,421 | 84,299                  | 914,096  | 575,066 | 339,030 | 85,046                 | 22.7               | 16.0   | 19.9                 |
| 1989 <sup>6</sup>                           | 3,798,734                    | 2,793,463 | 71,019                  | 826,955  | 521,873 | 305,082 | 178,316                | 22.8               | 16.1   | 18.9                 |
| <b>White, total</b>                         |                              |           |                         |          |         |         |                        |                    |  |                      |
| 1999  | 3,132,501                    | 2,426,092 | 77,158                  | 678,952  | 424,148 | 254,804 | 27,457                 | 21.9               | 15.3   | 23.2                 |
| 1998  | 3,118,727                    | 2,440,113 | 86,495                  | 649,987  | 406,439 | 243,548 | 28,627                 | 21.0               | 14.7   | 26.2                 |
| 1997  | 3,072,640                    | 2,415,236 | 89,522                  | 630,613  | 393,603 | 237,010 | 26,791                 | 20.7               | 14.5   | 27.4                 |
| 1996  | 3,093,057                    | 2,434,079 | 93,783                  | 631,409  | 395,851 | 235,558 | 27,569                 | 20.6               | 14.5   | 28.5                 |
| 1995  | 3,098,885                    | 2,435,191 | 90,940                  | 639,818  | 401,098 | 238,720 | 23,876                 | 20.8               | 14.6   | 27.6                 |
| 1994  | 3,121,004                    | 2,435,965 | 88,471                  | 656,400  | 407,946 | 248,454 | 28,639                 | 21.2               | 14.8   | 26.3                 |
| 1993  | 3,149,833                    | 2,435,229 | 82,995                  | 682,355  | 423,540 | 258,815 | 32,249                 | 21.9               | 15.3   | 24.3                 |
| 1992  | 3,201,678                    | 2,434,959 | 77,977                  | 705,841  | 437,398 | 268,443 | 60,878                 | 22.5               | 15.7   | 22.5                 |
| 1991  | 3,241,273                    | 2,434,900 | 72,564                  | 723,088  | 452,534 | 270,554 | 83,285                 | 22.9               | 16.1   | 21.1                 |
| 1990 <sup>5</sup>                           | 3,252,473                    | 2,453,857 | 67,191                  | 732,713  | 458,656 | 274,057 | 65,903                 | 23.0               | 16.1   | 19.7                 |
| 1989 <sup>6</sup>                           | 3,022,537                    | 2,212,843 | 56,851                  | 667,114  | 418,177 | 248,937 | 142,580                | 23.2               | 16.2   | 18.6                 |
| <b>White, non-Hispanic</b>                  |                              |           |                         |          |         |         |                        |                    |  |                      |
| 1999  | 2,346,450                    | 1,810,682 | 59,480                  | 514,051  | 327,106 | 186,945 | 21,717                 | 22.1               | 15.7   | 24.1                 |
| 1998  | 2,361,462                    | 1,842,420 | 67,787                  | 495,550  | 315,138 | 180,412 | 23,492                 | 21.2               | 15.1   | 27.3                 |
| 1997  | 2,333,363                    | 1,829,213 | 70,284                  | 481,982  | 305,605 | 176,377 | 22,168                 | 20.9               | 14.8   | 28.5                 |
| 1996  | 2,358,989                    | 1,851,058 | 73,973                  | 485,530  | 308,482 | 177,048 | 22,401                 | 20.8               | 14.8   | 29.5                 |
| 1995  | 2,382,638                    | 1,867,024 | 72,124                  | 496,103  | 313,933 | 182,170 | 19,511                 | 21.0               | 14.9   | 28.4                 |
| 1994  | 2,438,855                    | 1,896,609 | 71,597                  | 518,021  | 324,236 | 193,785 | 24,225                 | 21.5               | 15.1   | 27.0                 |
| 1993  | 2,472,031                    | 1,902,433 | 67,536                  | 542,013  | 338,236 | 203,777 | 27,585                 | 22.2               | 15.6   | 24.9                 |
| 1992 <sup>8</sup>                           | 2,527,207                    | 1,916,414 | 63,828                  | 566,788  | 352,470 | 214,318 | 44,005                 | 22.8               | 16.0   | 22.9                 |
| 1991 <sup>8</sup>                           | 2,589,878                    | 1,941,726 | 60,174                  | 587,802  | 368,721 | 219,081 | 60,350                 | 23.2               | 16.4   | 21.5                 |
| 1990 <sup>5,9</sup>                         | 2,626,500                    | 1,972,754 | 55,952                  | 603,467  | 378,508 | 224,959 | 50,279                 | 23.4               | 16.5   | 19.9                 |
| 1989 <sup>6,10</sup>                        | 2,526,367                    | 1,806,753 | 47,559                  | 556,585  | 349,858 | 206,727 | 163,029                | 23.6               | 16.6   | 18.7                 |
| <b>Black, total</b>                         |                              |           |                         |          |         |         |                        |                    |  |                      |
| 1999  | 605,970                      | 462,401   | 15,438                  | 139,471  | 88,269  | 51,202  | 4,098                  | 23.2               | 16.5   | 23.2                 |
| 1998  | 609,902                      | 470,088   | 17,062                  | 135,727  | 86,438  | 49,289  | 4,087                  | 22.4               | 16.0   | 25.7                 |
| 1997  | 599,913                      | 466,001   | 16,986                  | 130,142  | 83,025  | 47,117  | 3,770                  | 21.8               | 15.6   | 26.5                 |
| 1996  | 594,781                      | 462,378   | 16,866                  | 128,357  | 82,646  | 45,711  | 4,046                  | 21.7               | 15.6   | 27.0                 |
| 1995  | 603,139                      | 468,984   | 16,224                  | 130,482  | 84,441  | 46,041  | 3,673                  | 21.8               | 15.7   | 26.1                 |
| 1994  | 636,391                      | 493,879   | 16,970                  | 138,067  | 88,636  | 49,431  | 4,445                  | 21.8               | 15.7   | 25.6                 |
| 1993  | 658,875                      | 509,816   | 16,179                  | 143,452  | 91,677  | 51,775  | 5,607                  | 22.0               | 15.7   | 23.8                 |
| 1992  | 673,633                      | 514,929   | 15,382                  | 146,480  | 93,165  | 53,315  | 12,224                 | 22.1               | 15.7   | 22.4                 |
| 1991  | 682,602                      | 519,047   | 14,213                  | 145,583  | 92,645  | 52,938  | 17,972                 | 21.9               | 15.5   | 21.2                 |
| 1990 <sup>5</sup>                           | 679,236                      | 516,581   | 13,496                  | 146,472  | 93,476  | 52,996  | 16,183                 | 22.1               | 15.7   | 20.3                 |
| 1989 <sup>6</sup>                           | 611,147                      | 452,291   | 11,104                  | 127,907  | 82,695  | 45,212  | 30,319                 | 22.0               | 15.8   | 19.7                 |

See footnotes at end of table.

**Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-99 --Con.**

| Year and race and Hispanic origin of mother | Births by method of delivery |         |                         |          |         |        |            | Cesarean delivery rate |                      | Rate of vaginal birth after previous cesarean <sup>3</sup> |
|---|------------------------------|---------|-------------------------|----------|---------|--------|------------|------------------------|----------------------|--|
|   | All births                   | Vaginal |                         | Cesarean |         |        | Not stated | Total <sup>1</sup>     | Primary <sup>2</sup> |  |
|   |                              | Total   | After previous cesarean | Total    | Primary | Repeat |            |                        |                      |  |
| <b>Black, non-Hispanic</b>                  |                              |         |                         |          |         |        |            |                        |                      |  |
| 1999  | 588,981                      | 449,580 | 14,999                  | 135,508  | 85,898  | 49,610 | 3,893      | 23.2                   | 16.5                 | 23.2   |
| 1998  | 593,127                      | 457,186 | 16,510                  | 131,999  | 84,169  | 47,830 | 3,942      | 22.4                   | 16.0                 | 25.7   |
| 1997  | 581,431                      | 451,744 | 16,353                  | 126,138  | 80,599  | 45,539 | 3,549      | 21.8                   | 15.6                 | 26.4   |
| 1996  | 578,099                      | 449,544 | 16,322                  | 124,836  | 80,457  | 44,379 | 3,719      | 21.7                   | 15.7                 | 26.9   |
| 1995  | 587,781                      | 457,104 | 15,721                  | 127,171  | 82,395  | 44,776 | 3,506      | 21.8                   | 15.7                 | 26.0   |
| 1994  | 619,198                      | 480,551 | 16,478                  | 134,526  | 86,411  | 48,115 | 4,121      | 21.9                   | 15.7                 | 25.5   |
| 1993  | 641,273                      | 496,333 | 15,675                  | 139,702  | 89,315  | 50,387 | 5,238      | 22.0                   | 15.7                 | 23.7   |
| 1992 <sup>8</sup>                           | 657,450                      | 502,669 | 14,950                  | 143,153  | 91,086  | 52,067 | 11,628     | 22.2                   | 15.7                 | 22.3   |
| 1991 <sup>8</sup>                           | 666,758                      | 507,522 | 13,847                  | 142,417  | 90,664  | 51,753 | 16,819     | 21.9                   | 15.5                 | 21.1   |
| 1990 <sup>5,9</sup>                         | 661,701                      | 503,720 | 13,157                  | 142,838  | 91,175  | 51,663 | 15,143     | 22.1                   | 15.7                 | 20.3   |
| 1989 <sup>6,10</sup>                        | 611,269                      | 440,310 | 10,726                  | 125,290  | 81,177  | 44,113 | 45,669     | 22.2                   | 15.9                 | 19.6   |
| <b>Hispanic<sup>7</sup></b>                 |                              |         |                         |          |         |        |            |                        |                      |  |
| 1999  | 764,339                      | 599,118 | 16,915                  | 161,035  | 94,433  | 66,602 | 4,186      | 21.2                   | 14.0                 | 20.3   |
| 1998  | 734,661                      | 580,143 | 17,803                  | 150,317  | 88,763  | 61,554 | 4,201      | 20.6                   | 13.6                 | 22.4   |
| 1997  | 709,767                      | 563,114 | 17,942                  | 142,907  | 84,410  | 58,497 | 3,746      | 20.2                   | 13.4                 | 23.5   |
| 1996  | 701,339                      | 558,105 | 18,491                  | 139,554  | 83,392  | 56,162 | 3,680      | 20.0                   | 13.4                 | 24.8   |
| 1995  | 679,768                      | 539,731 | 17,396                  | 136,640  | 82,662  | 53,978 | 3,397      | 20.2                   | 13.7                 | 24.4   |
| 1994  | 665,026                      | 525,928 | 16,206                  | 135,569  | 81,961  | 53,608 | 3,529      | 20.5                   | 13.9                 | 23.2   |
| 1993  | 654,418                      | 514,493 | 14,586                  | 136,279  | 82,576  | 53,703 | 3,646      | 20.9                   | 14.2                 | 21.4   |
| 1992 <sup>8</sup>                           | 643,271                      | 494,338 | 13,111                  | 133,369  | 81,211  | 52,158 | 15,564     | 21.2                   | 14.4                 | 20.1   |
| 1991 <sup>8</sup>                           | 623,085                      | 472,126 | 11,615                  | 129,752  | 80,228  | 49,524 | 21,207     | 21.6                   | 14.8                 | 19.0   |
| 1990 <sup>5,9</sup>                         | 595,073                      | 458,242 | 10,395                  | 122,969  | 76,027  | 46,942 | 13,862     | 21.2                   | 14.5                 | 18.1   |
| 1989 <sup>6,10</sup>                        | 532,249                      | 385,462 | 8,549                   | 105,268  | 64,905  | 40,363 | 41,519     | 21.5                   | 14.7                 | 17.5   |

<sup>1</sup> Percent of all live births by cesarean delivery.

<sup>2</sup> Number of primary cesareans per 100 live births to women who have not had a previous cesarean.

<sup>3</sup> Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.

<sup>4</sup> Includes races other than white and black and origin not stated.

<sup>5</sup> Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.

<sup>6</sup> Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.

<sup>7</sup> Includes all persons of Hispanic origin of any race.

<sup>8</sup> Excludes data for New Hampshire which did not report Hispanic origin.

<sup>9</sup> Excludes data for New Hampshire and Oklahoma which did not report Hispanic origin.

<sup>10</sup> Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

**Table 40. Live births by method of delivery, and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 1999**

| Age and race and Hispanic origin of mother | Births by method of delivery |           |                         |          |         |         |            | Cesarean delivery rate |                      | Rate of vaginal birth after previous cesarean <sup>3</sup> |
|--|------------------------------|-----------|-------------------------|----------|---------|---------|------------|------------------------|----------------------|--|
|  | All births                   | Vaginal   |                         | Cesarean |         |         | Not stated | Total <sup>1</sup>     | Primary <sup>2</sup> |  |
|  |                              | Total     | After previous cesarean | Total    | Primary | Repeat  |            |                        |                      |  |
| All races <sup>4</sup>                     | 3,959,417                    | 3,063,870 | 97,680                  | 862,086  | 542,080 | 320,006 | 33,461     | 22.0                   | 15.5                 | 23.4   |
| Under 20 years                             | 485,104                      | 408,830   | 3,128                   | 72,258   | 64,254  | 8,004   | 4,016      | 15.0                   | 13.7                 | 28.1   |
| 20-24 years                                | 981,929                      | 799,209   | 18,945                  | 174,252  | 120,238 | 54,014  | 8,468      | 17.9                   | 13.4                 | 26.0   |
| 25-29 years                                | 1,078,252                    | 836,383   | 27,891                  | 232,492  | 144,759 | 87,733  | 9,377      | 21.8                   | 15.2                 | 24.1   |
| 30-34 years                                | 892,400                      | 660,715   | 29,242                  | 224,387  | 126,681 | 97,706  | 7,298      | 25.4                   | 16.7                 | 23.0   |
| 35-39 years                                | 434,294                      | 302,099   | 15,703                  | 128,610  | 68,532  | 60,078  | 3,585      | 29.9                   | 19.3                 | 20.7   |
| 40-54 years                                | 87,438                       | 56,634    | 2,771                   | 30,087   | 17,616  | 12,471  | 717        | 34.7                   | 24.6                 | 18.2   |
| White, total                               | 3,132,501                    | 2,426,092 | 77,158                  | 678,952  | 424,148 | 254,804 | 27,457     | 21.9                   | 15.3                 | 23.2   |
| Under 20 years                             | 342,627                      | 289,793   | 1,950                   | 49,886   | 44,663  | 5,223   | 2,948      | 14.7                   | 13.4                 | 27.2   |
| 20-24 years                                | 748,371                      | 610,935   | 13,539                  | 130,749  | 91,163  | 39,586  | 6,687      | 17.6                   | 13.2                 | 25.5   |
| 25-29 years                                | 873,654                      | 678,889   | 21,983                  | 186,903  | 116,674 | 70,229  | 7,862      | 21.6                   | 15.1                 | 23.8   |
| 30-34 years                                | 739,948                      | 549,915   | 24,213                  | 183,763  | 102,932 | 80,831  | 6,270      | 25.0                   | 16.4                 | 23.1   |
| 35-39 years                                | 356,959                      | 250,215   | 13,179                  | 103,671  | 54,743  | 48,928  | 3,073      | 29.3                   | 18.8                 | 21.2   |
| 40-54 years                                | 70,942                       | 46,345    | 2,294                   | 23,980   | 13,973  | 10,007  | 617        | 34.1                   | 24.1                 | 18.6   |
| White, non-Hispanic                        | 2,346,450                    | 1,810,682 | 59,480                  | 514,051  | 327,106 | 186,945 | 21,717     | 22.1                   | 15.7                 | 24.1   |
| Under 20 years                             | 214,971                      | 180,801   | 1,101                   | 31,961   | 28,984  | 2,977   | 2,209      | 15.0                   | 13.9                 | 27.0   |
| 20-24 years                                | 514,386                      | 418,584   | 9,112                   | 90,579   | 64,658  | 25,921  | 5,223      | 17.8                   | 13.6                 | 26.0   |
| 25-29 years                                | 663,569                      | 515,878   | 16,271                  | 141,398  | 91,998  | 49,400  | 6,293      | 21.5                   | 15.6                 | 24.8   |
| 30-34 years                                | 600,830                      | 449,181   | 19,850                  | 146,621  | 84,695  | 61,926  | 5,028      | 24.6                   | 16.5                 | 24.3   |
| 35-39 years                                | 294,590                      | 208,110   | 11,191                  | 84,028   | 45,256  | 38,772  | 2,452      | 28.8                   | 18.7                 | 22.4   |
| 40-54 years                                | 58,104                       | 38,128    | 1,955                   | 19,464   | 11,515  | 7,949   | 512        | 33.8                   | 24.1                 | 19.7   |
| Black, total                               | 605,970                      | 462,401   | 15,438                  | 139,471  | 88,269  | 51,202  | 4,098      | 23.2                   | 16.5                 | 23.2   |
| Under 20 years                             | 125,143                      | 103,881   | 1,082                   | 20,431   | 17,824  | 2,607   | 831        | 16.4                   | 14.8                 | 29.3   |
| 20-24 years                                | 193,211                      | 154,052   | 4,738                   | 37,854   | 24,777  | 13,077  | 1,305      | 19.7                   | 14.2                 | 26.6   |
| 25-29 years                                | 138,868                      | 103,988   | 4,472                   | 33,889   | 19,551  | 14,338  | 991        | 24.6                   | 16.4                 | 23.8   |
| 30-34 years                                | 91,486                       | 63,924    | 3,292                   | 26,960   | 14,884  | 12,076  | 602        | 29.7                   | 19.7                 | 21.4   |
| 35-39 years                                | 47,277                       | 30,488    | 1,556                   | 16,479   | 8,957   | 7,522   | 310        | 35.1                   | 23.6                 | 17.1   |
| 40-54 years                                | 9,985                        | 6,068     | 298                     | 3,858    | 2,276   | 1,582   | 59         | 38.9                   | 28.3                 | 15.9   |
| Black, non-Hispanic                        | 588,981                      | 449,580   | 14,999                  | 135,508  | 85,898  | 49,610  | 3,893      | 23.2                   | 16.5                 | 23.2   |
| Under 20 years                             | 122,175                      | 101,389   | 1,051                   | 19,988   | 17,426  | 2,562   | 798        | 16.5                   | 14.8                 | 29.1   |
| 20-24 years                                | 188,247                      | 150,035   | 4,630                   | 36,965   | 24,169  | 12,796  | 1,247      | 19.8                   | 14.3                 | 26.6   |
| 25-29 years                                | 134,784                      | 100,923   | 4,347                   | 32,920   | 19,020  | 13,900  | 941        | 24.6                   | 16.5                 | 23.8   |
| 30-34 years                                | 88,403                       | 61,808    | 3,181                   | 26,032   | 14,446  | 11,586  | 563        | 29.6                   | 19.8                 | 21.5   |
| 35-39 years                                | 45,746                       | 29,558    | 1,506                   | 15,898   | 8,655   | 7,243   | 290        | 35.0                   | 23.6                 | 17.2   |
| 40-54 years                                | 9,626                        | 5,867     | 284                     | 3,705    | 2,182   | 1,523   | 54         | 38.7                   | 28.1                 | 15.7   |
| Hispanic <sup>5</sup>                      | 764,339                      | 599,118   | 16,915                  | 161,035  | 94,433  | 66,602  | 4,186      | 21.2                   | 14.0                 | 20.3   |
| Under 20 years                             | 127,402                      | 108,863   | 848                     | 17,905   | 15,660  | 2,245   | 634        | 14.1                   | 12.7                 | 27.4   |
| 20-24 years                                | 231,475                      | 190,436   | 4,373                   | 39,841   | 26,277  | 13,564  | 1,198      | 17.3                   | 12.4                 | 24.4   |
| 25-29 years                                | 203,985                      | 158,330   | 5,518                   | 44,513   | 23,900  | 20,613  | 1,142      | 21.9                   | 13.5                 | 21.1   |
| 30-34 years                                | 131,369                      | 94,870    | 4,066                   | 35,731   | 17,320  | 18,411  | 768        | 27.4                   | 16.0                 | 18.1   |
| 35-39 years                                | 58,146                       | 39,031    | 1,812                   | 18,733   | 8,939   | 9,794   | 382        | 32.4                   | 19.4                 | 15.6   |
| 40-54 years                                | 11,962                       | 7,588     | 298                     | 4,312    | 2,337   | 1,975   | 62         | 36.2                   | 24.3                 | 13.1   |

<sup>1</sup> Percent of all live births by cesarean delivery.<sup>2</sup> Number of primary cesareans per 100 live births to women who have not had a previous cesarean.<sup>3</sup> Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>4</sup> Includes races other than white and black and origin not stated.<sup>5</sup> Includes all persons of Hispanic origin of any race.

**Table 41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery by race and Hispanic origin of mother: United States, each State and territory, 1999**

[By place of residence]

| State                            | Cesarean delivery rate <sup>1</sup> |       |              |       |              |                       | Rate of vaginal births after previous cesarean <sup>2</sup> |       |              |       |              |                       |
|----------------------------------|-------------------------------------|-------|--------------|-------|--------------|-----------------------|---|-------|--------------|-------|--------------|-----------------------|
|                                  | All races <sup>3</sup>              | White |              | Black |              | Hispanic <sup>4</sup> | All races <sup>3</sup>                                      | White |              | Black |              | Hispanic <sup>4</sup> |
|                                  |                                     | Total | Non-Hispanic | Total | Non-Hispanic |                       |   | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| United States <sup>5</sup> ..... | 22.0                                | 21.9  | 22.1         | 23.2  | 23.2         | 21.2                  | 23.4  | 23.2  | 24.1         | 23.2  | 23.2         | 20.3                  |
| Alabama .....                    | 24.8                                | 25.4  | 25.6         | 23.5  | 23.6         | 20.4                  | 19.1  | 18.4  | 18.2         | 20.7  | 20.7         | 24.1                  |
| Alaska .....                     | 14.8                                | 16.9  | 16.7         | 16.0  | 16.0         | 17.1                  | 32.8  | 27.2  | 27.7         | *     | *            | *                     |
| Arizona .....                    | 17.8                                | 17.9  | 19.4         | 18.9  | 19.1         | 16.0                  | 22.7  | 21.9  | 22.4         | 16.4  | 16.5         | 21.2                  |
| Arkansas .....                   | 25.4                                | 24.9  | 25.3         | 27.5  | 27.5         | 19.3                  | 15.5  | 15.9  | 15.3         | 13.8  | 13.8         | 24.1                  |
| California .....                 | 22.7                                | 22.5  | 23.5         | 25.9  | 26.0         | 21.9                  | 16.3  | 16.0  | 16.9         | 14.2  | 14.1         | 15.5                  |
| Colorado .....                   | 17.3                                | 17.3  | 17.9         | 19.2  | 19.3         | 15.8                  | 31.0  | 31.6  | 30.1         | 25.6  | 25.2         | 34.9                  |
| Connecticut .....                | 21.0                                | 21.0  | 21.1         | 21.4  | 21.5         | 19.0                  | 27.6  | 27.4  | 27.6         | 27.6  | 27.7         | 26.0                  |
| Delaware .....                   | 23.0                                | 23.2  | 23.5         | 23.0  | 23.0         | 21.0                  | 28.8  | 28.5  | 27.7         | 28.3  | 28.5         | 34.2                  |
| District of Columbia ...         | 22.2                                | 19.9  | 23.9         | 23.2  | 23.2         | 12.9                  | 27.3  | 34.6  | 25.0         | 25.2  | 25.0         | 50.9                  |
| Florida .....                    | 23.8                                | 24.2  | 23.4         | 22.5  | 22.5         | 26.4                  | 18.7  | 18.5  | 20.4         | 19.1  | 19.2         | 14.5                  |
| Georgia .....                    | 21.7                                | 21.5  | 22.2         | 22.3  | 22.3         | 16.6                  | 21.6  | 21.9  | 21.2         | 20.6  | 20.7         | 26.8                  |
| Hawaii .....                     | 13.8                                | 17.2  | 17.0         | 16.6  | 16.7         | 16.0                  | 32.4  | 24.2  | 24.0         | *     | *            | 29.6                  |
| Idaho .....                      | 17.3                                | 17.1  | 17.0         | *     | *            | 18.0                  | 33.4  | 33.6  | 33.3         | *     | *            | 35.4                  |
| Illinois .....                   | 20.1                                | 20.1  | 20.9         | 20.2  | 20.2         | 17.8                  | 28.8  | 29.2  | 28.8         | 27.2  | 27.2         | 30.4                  |
| Indiana .....                    | 20.5                                | 20.5  | 20.5         | 20.5  | 20.5         | 19.5                  | 24.6  | 24.5  | 24.4         | 24.9  | 24.9         | 26.7                  |
| Iowa .....                       | 19.9                                | 20.0  | 20.0         | 18.7  | 18.1         | 19.6                  | 28.2  | 28.3  | 28.5         | 27.9  | 28.1         | 25.9                  |
| Kansas .....                     | 21.2                                | 21.3  | 21.4         | 21.4  | 21.5         | 20.2                  | 19.9  | 19.4  | 19.1         | 23.4  | 23.5         | 20.0                  |
| Kentucky .....                   | 23.3                                | 23.4  | 23.4         | 23.2  | 23.2         | 21.6                  | 21.5  | 21.0  | 20.8         | 25.6  | 25.6         | 34.9                  |
| Louisiana .....                  | 26.8                                | 27.4  | 27.4         | 26.0  | 26.1         | 28.9                  | 11.3  | 8.6   | 8.5          | 15.2  | 15.2         | *                     |
| Maine .....                      | 21.5                                | 21.5  | 21.5         | 28.3  | 26.7         | 28.9                  | 23.5  | 23.6  | 23.5         | *     | *            | *                     |
| Maryland .....                   | 23.2                                | 22.5  | 22.8         | 24.8  | 24.8         | 19.7                  | 26.0  | 26.6  | 26.4         | 24.8  | 24.8         | 28.8                  |
| Massachusetts .....              | 22.4                                | 22.4  | 22.8         | 24.0  | 23.8         | 20.4                  | 28.3  | 28.1  | 28.2         | 28.2  | 30.9         | 24.9                  |
| Michigan .....                   | 21.0                                | 21.1  | 21.3         | 20.4  | 20.4         | 18.5                  | 22.8  | 22.3  | 21.8         | 25.5  | 25.5         | 26.2                  |
| Minnesota .....                  | 18.9                                | 19.4  | 19.5         | 18.8  | 18.7         | 17.6                  | 25.7  | 25.4  | 25.9         | 25.2  | 25.1         | 23.5                  |
| Mississippi .....                | 27.3                                | 28.1  | 28.3         | 26.4  | 26.4         | 21.4                  | 13.8  | 13.5  | 13.4         | 14.0  | 14.0         | *                     |
| Missouri .....                   | 21.7                                | 22.1  | 22.2         | 19.9  | 19.9         | 18.2                  | 25.5  | 25.0  | 24.8         | 29.2  | 29.1         | 30.2                  |
| Montana .....                    | 18.8                                | 18.3  | 18.3         | *     | *            | 21.1                  | 31.7  | 32.6  | 33.5         | *     | *            | *                     |
| Nebraska .....                   | 22.0                                | 22.1  | 22.4         | 20.6  | 20.7         | 19.6                  | 23.9  | 24.2  | 23.4         | 23.6  | 23.1         | 27.8                  |
| Nevada .....                     | 21.8                                | 21.3  | 22.5         | 27.1  | 27.1         | 19.2                  | 18.5  | 18.7  | 18.2         | 17.8  | 18.5         | 19.1                  |
| New Hampshire .....              | 19.9                                | 19.9  | 20.0         | 25.4  | 25.0         | 21.1                  | 36.3  | 36.5  | 36.5         | *     | *            | *                     |
| New Jersey .....                 | 26.3                                | 26.3  | 26.4         | 26.6  | 26.1         | 26.3                  | 30.0  | 29.5  | 29.6         | 32.1  | 33.9         | 27.5                  |
| New Mexico .....                 | 16.4                                | 16.8  | 17.4         | 18.8  | 19.4         | 16.4                  | 30.9  | 28.8  | 29.9         | *     | *            | 28.2                  |
| New York .....                   | 23.6                                | 23.6  | 24.3         | 24.3  | 24.4         | 22.7                  | 29.3  | 29.9  | 29.5         | 27.4  | 28.0         | 28.4                  |
| North Carolina .....             | 22.7                                | 22.3  | 22.9         | 23.9  | 23.8         | 18.1                  | 24.0  | 24.0  | 23.5         | 23.7  | 23.7         | 27.8                  |
| North Dakota .....               | 19.5                                | 19.5  | 19.8         | *     | *            | *                     | 31.8  | 32.0  | 31.8         | *     | *            | *                     |
| Ohio .....                       | 19.4                                | 19.4  | 19.4         | 19.2  | 19.2         | 18.8                  | 32.2  | 31.3  | 31.3         | 36.8  | 36.5         | 31.1                  |
| Oklahoma .....                   | 24.1                                | 24.0  | 24.4         | 24.6  | 24.6         | 21.5                  | 18.9  | 18.5  | 18.4         | 20.1  | 20.6         | 19.1                  |
| Oregon .....                     | 18.4                                | 18.3  | 18.5         | 18.4  | 18.0         | 17.7                  | 32.4  | 32.3  | 31.4         | 34.6  | 35.0         | 36.9                  |
| Pennsylvania .....               | 20.9                                | 21.2  | 21.4         | 20.1  | 20.1         | 18.4                  | 30.5  | 29.6  | 29.5         | 35.4  | 35.4         | 31.2                  |
| Rhode Island .....               | 20.5                                | 20.7  | 21.1         | 20.7  | 20.6         | 20.1                  | 26.6  | 26.7  | 26.1         | 22.9  | *            | 29.9                  |
| South Carolina .....             | 24.2                                | 24.3  | 24.6         | 24.1  | 24.1         | 18.8                  | 17.9  | 17.5  | 17.1         | 18.3  | 18.3         | 27.2                  |
| South Dakota .....               | 22.3                                | 22.6  | 22.7         | *     | *            | 19.0                  | 23.0  | 23.7  | 23.6         | *     | *            | *                     |
| Tennessee .....                  | 24.0                                | 24.1  | 24.3         | 23.9  | 23.9         | 20.4                  | 21.0  | 20.0  | 20.0         | 24.2  | 24.2         | 21.1                  |
| Texas .....                      | 23.8                                | 23.6  | 24.9         | 25.5  | 25.6         | 22.5                  | 15.4  | 15.4  | 15.6         | 14.2  | 14.2         | 15.2                  |
| Utah .....                       | 16.0                                | 15.9  | 15.7         | 20.4  | 21.3         | 17.7                  | 35.5  | 35.5  | 35.7         | *     | *            | 34.6                  |
| Vermont .....                    | 16.4                                | 16.4  | 16.4         | *     | *            | *                     | 35.7  | 35.9  | 35.6         | *     | *            | *                     |
| Virginia .....                   | 21.7                                | 21.6  | 21.8         | 22.1  | 22.1         | 19.2                  | 26.6  | 26.1  | 25.9         | 27.4  | 27.4         | 27.3                  |
| Washington .....                 | 18.9                                | 18.7  | 18.8         | 22.5  | 22.5         | 17.7                  | 28.8  | 28.7  | 27.3         | 30.7  | 31.7         | 32.8                  |
| West Virginia .....              | 24.8                                | 24.6  | 24.6         | 27.3  | 27.3         | 25.5                  | 18.4  | 18.6  | 18.6         | *     | *            | *                     |
| Wisconsin .....                  | 17.0                                | 17.5  | 17.6         | 13.7  | 13.7         | 16.2                  | 31.7  | 30.5  | 30.6         | 39.2  | 39.1         | 29.5                  |
| Wyoming .....                    | 19.6                                | 19.5  | 19.6         | *     | *            | 18.8                  | 26.9  | 26.3  | 26.7         | *     | *            | *                     |
| Puerto Rico .....                | 37.8                                | 38.0  | ---          | 35.8  | ---          | ---                   | 6.8   | 6.8   | ---          | 6.8   | ---          | ---                   |
| Virgin Islands .....             | 22.7                                | 29.5  | 26.6         | 21.1  | 20.7         | 27.8                  | 17.4  | *     | *            | 17.6  | *            | *                     |
| Guam .....                       | 16.6                                | 18.5  | 18.4         | *     | *            | *                     | 26.8  | *     | *            | *     | *            | *                     |
| American Samoa .....             | ---                                 | ---   | ---          | ---   | ---          | ---                   | ---   | ---   | ---          | ---   | ---          | ---                   |
| Northern Marianas ....           | 14.9                                | *     | ---          | *     | ---          | ---                   | *   | *     | ---          | *     | ---          | ---                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

<sup>1</sup> Percent of all live births by cesarean delivery.<sup>2</sup> Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>3</sup> Includes races other than white and black and origin not stated.<sup>4</sup> Includes all persons of Hispanic origin of any race.<sup>5</sup> Excludes data for the territories.

NOTE: Data on method of delivery for the Northern Marianas are substantially incomplete; see Table I in the Technical notes.

**Table 42. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by selected maternal medical risk factors and complications of labor and/or delivery: United States, 1999**

| Medical risk factor and complication          | All births to mothers with specified condition and/or procedure | Cesarean delivery rate |                      | Rate of vaginal birth after previous cesarean <sup>3</sup> |
|---|---|------------------------|----------------------|--|
|   |   | Total <sup>1</sup>     | Primary <sup>2</sup> |  |
| <b>Medical risk factors</b>                   |   |                        |                      |  |
| Anemia .....                                  | 90,322  | 22.2                   | 15.5                 | 27.3   |
| Cardiac disease .....                         | 20,189  | 26.1                   | 19.1                 | 27.0   |
| Acute or chronic lung disease .....           | 43,117  | 25.4                   | 18.4                 | 26.5   |
| Diabetes .....                                | 106,413   | 37.2                   | 26.7                 | 17.2   |
| Genital herpes <sup>4</sup> .....             | 33,636  | 34.5                   | 28.4                 | 27.0   |
| Hydramnios/Oligohydramnios .....              | 52,704  | 36.7                   | 31.3                 | 22.4   |
| Hemoglobinopathy .....                        | 3,165   | 25.8                   | 18.7                 | 25.3   |
| Hypertension, chronic .....                   | 27,912  | 41.2                   | 31.5                 | 15.1   |
| Hypertension, pregnancy-associated .....      | 148,837   | 36.9                   | 31.7                 | 18.0   |
| Eclampsia .....                               | 11,993  | 49.1                   | 44.6                 | 14.4   |
| Incompetent cervix .....                      | 11,344  | 35.3                   | 27.8                 | 21.8   |
| Renal disease .....                           | 11,038  | 26.1                   | 19.1                 | 26.3   |
| Rh sensitization <sup>5</sup> .....           | 25,448  | 22.8                   | 16.1                 | 26.6   |
| Uterine bleeding <sup>4</sup> .....           | 22,332  | 32.6                   | 25.9                 | 22.7   |
| <b>Complications of labor and/or delivery</b> |   |                        |                      |  |
| Febrile .....                                 | 59,904  | 29.7                   | 28.0                 | 47.4   |
| Meconium, moderate/heavy .....                | 213,698   | 20.5                   | 17.7                 | 45.1   |
| Premature rupture of membrane .....           | 100,130   | 25.6                   | 22.4                 | 37.2   |
| Abruptio placenta .....                       | 21,999  | 59.5                   | 55.0                 | 15.7   |
| Placenta previa .....                         | 12,492  | 81.7                   | 77.7                 | 3.6  |
| Other excessive bleeding .....                | 21,930  | 26.5                   | 20.9                 | 32.2   |
| Seizures during labor .....                   | 1,331   | 52.2                   | 49.9                 | *  |
| Precipitous labor (less than 3 hours) .....   | 77,848  | 2.5                    | 1.6                  | 78.3   |
| Prolonged labor (more than 20 hours) .....    | 30,683  | 36.3                   | 34.8                 | 42.5   |
| Dysfunctional labor .....                     | 105,795   | 67.3                   | 65.3                 | 15.4   |
| Breech/Malpresentation .....                  | 152,084   | 84.5                   | 82.9                 | 5.0  |
| Cephalopelvic disproportion .....             | 71,604  | 96.4                   | 96.0                 | 1.2  |
| Cord prolapse .....                           | 7,773   | 65.6                   | 63.5                 | 14.6   |
| Anesthetic complication .....                 | 2,299   | 40.1                   | 32.4                 | 19.5   |
| Fetal distress .....                          | 140,756   | 57.5                   | 55.1                 | 20.6   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

<sup>1</sup> Percent of all live births by cesarean delivery.

<sup>2</sup> Number of primary cesareans per 100 live births to women who have not had a previous cesarean.

<sup>3</sup> Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.

<sup>4</sup> Texas does not report this risk factor.

<sup>5</sup> Kansas does not report this risk factor.

**Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1999**

| Birthweight <sup>1</sup> and race and Hispanic origin of mother | All births | Period of gestation <sup>2</sup> |                |             |             |          |                   |             |          |          |                   | Not stated |
|---|------------|----------------------------------|----------------|-------------|-------------|----------|-------------------|-------------|----------|----------|-------------------|------------|
|   |            | Preterm                          |                |             |             |          | Term              |             |          | Postterm |                   |            |
|   |            | Total under 37 weeks             | Under 28 weeks | 28-31 weeks | 32-35 weeks | 36 weeks | Total 37-41 weeks | 37-39 weeks | 40 weeks | 41 weeks | 42 weeks and over |            |
| Number  |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| All races <sup>3</sup> .....                                    | 3,959,417  | 460,853                          | 28,959         | 47,938      | 215,529     | 168,427  | 3,170,780         | 1,899,742   | 841,824  | 429,214  | 284,844           | 42,940     |
| Less than 500 grams .....                                       | 5,912      | 5,698                            | 5,440          | 233         | 23          | 2        | 10                | 8           | 1        | 1        | 1                 | 203        |
| 500-999 grams .....   | 22,815     | 22,137                           | 16,257         | 5,238       | 593         | 49       | 202               | 131         | 50       | 21       | 29                | 447        |
| 1,000-1,499 grams .....   | 28,750     | 26,632                           | 3,933          | 15,314      | 6,863       | 522      | 1,409             | 1,044       | 241      | 124      | 217               | 492        |
| 1,500-1,999 grams .....   | 59,531     | 49,139                           | 917            | 11,336      | 31,884      | 5,002    | 8,712             | 7,242       | 961      | 509      | 852               | 828        |
| 2,000-2,499 grams .....   | 184,175    | 94,895                           | 668            | 4,222       | 61,262      | 28,743   | 81,960            | 67,564      | 9,839    | 4,557    | 5,188             | 2,132      |
| 2,500-2,999 grams .....   | 653,327    | 120,993                          | 1,009          | 4,133       | 54,470      | 61,381   | 491,843           | 366,832     | 87,050   | 37,961   | 33,774            | 6,717      |
| 3,000-3,499 grams .....   | 1,470,019  | 92,800                           | -              | 4,827       | 38,342      | 49,631   | 1,257,225         | 791,477     | 318,043  | 147,705  | 105,555           | 14,439     |
| 3,500-3,999 grams .....   | 1,137,401  | 38,305                           | -              | 2,557       | 17,378      | 18,370   | 989,540           | 515,199     | 309,643  | 164,698  | 98,399            | 11,157     |
| 4,000-4,499 grams .....   | 332,863    | 7,777                            | -              | -           | 3,862       | 3,915    | 287,930           | 128,154     | 98,697   | 61,079   | 33,845            | 3,311      |
| 4,500-4,999 grams .....   | 53,751     | 1,238                            | -              | -           | 600         | 638      | 45,801            | 19,142      | 15,486   | 11,173   | 6,129             | 583        |
| 5,000 grams or more .....                                       | 6,069      | 191                              | -              | -           | 98          | 93       | 5,059             | 2,305       | 1,525    | 1,229    | 728               | 91         |
| Not stated .....  | 4,804      | 1,048                            | 735            | 78          | 154         | 81       | 1,089             | 644         | 288      | 157      | 127               | 2,540      |
| Percent   |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Very low birthweight <sup>4</sup> .....                         | 1.5        | 11.8                             | 90.8           | 43.4        | 3.5         | 0.3      | 0.1               | 0.1         | 0.0      | 0.0      | 0.1               | 2.8        |
| Low birthweight <sup>5</sup> .....                              | 7.6        | 43.2                             | 96.4           | 75.9        | 46.7        | 20.4     | 2.9               | 4.0         | 1.3      | 1.2      | 2.2               | 10.2       |
| Number  |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| White, total .....  | 3,132,501  | 332,067                          | 16,805         | 31,869      | 155,999     | 127,394  | 2,538,796         | 1,504,419   | 682,583  | 351,794  | 228,098           | 33,540     |
| Less than 500 grams .....                                       | 3,272      | 3,130                            | 2,974          | 138         | 16          | 2        | 4                 | 4           | -        | -        | -                 | 138        |
| 500-999 grams .....   | 13,730     | 13,270                           | 9,540          | 3,290       | 407         | 33       | 146               | 97          | 37       | 12       | 19                | 295        |
| 1,000-1,499 grams .....   | 19,022     | 17,613                           | 2,458          | 10,186      | 4,628       | 341      | 918               | 684         | 154      | 80       | 144               | 347        |
| 1,500-1,999 grams .....   | 41,042     | 34,022                           | 487            | 7,821       | 22,335      | 3,379    | 5,854             | 4,875       | 638      | 341      | 565               | 601        |
| 2,000-2,499 grams .....   | 128,495    | 67,794                           | 356            | 2,732       | 44,232      | 20,474   | 55,758            | 46,090      | 6,549    | 3,119    | 3,451             | 1,492      |
| 2,500-2,999 grams .....   | 468,684    | 88,736                           | 564            | 2,553       | 39,759      | 45,860   | 351,203           | 262,881     | 61,128   | 27,194   | 23,906            | 4,839      |
| 3,000-3,499 grams .....   | 1,150,762  | 69,428                           | -              | 3,185       | 27,593      | 38,650   | 988,174           | 622,576     | 249,290  | 116,308  | 81,830            | 11,330     |
| 3,500-3,999 grams .....   | 959,432    | 29,889                           | -              | 1,909       | 13,217      | 14,763   | 837,832           | 436,107     | 262,266  | 139,459  | 82,410            | 9,301      |
| 4,000-4,499 grams .....   | 291,799    | 6,356                            | -              | -           | 3,113       | 3,243    | 253,017           | 111,877     | 87,146   | 53,994   | 29,600            | 2,826      |
| 4,500-4,999 grams .....   | 47,564     | 1,025                            | -              | -           | 505         | 520      | 40,606            | 16,758      | 13,791   | 10,057   | 5,425             | 508        |
| 5,000 grams or more .....                                       | 5,238      | 146                              | -              | -           | 76          | 70       | 4,377             | 1,944       | 1,341    | 1,092    | 642               | 73         |
| Not stated .....  | 3,461      | 658                              | 426            | 55          | 118         | 59       | 907               | 526         | 243      | 138      | 106               | 1,790      |
| Percent   |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Very low birthweight <sup>4</sup> .....                         | 1.2        | 10.3                             | 91.4           | 42.8        | 3.2         | 0.3      | 0.0               | 0.1         | 0.0      | 0.0      | 0.1               | 2.5        |
| Low birthweight <sup>5</sup> .....                              | 6.6        | 41.0                             | 96.6           | 76.0        | 45.9        | 19.0     | 2.5               | 3.4         | 1.1      | 1.0      | 1.8               | 9.0        |
| Number  |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| White, non-Hispanic .....                                       | 2,346,450  | 245,159                          | 12,313         | 23,496      | 113,630     | 95,720   | 1,917,885         | 1,136,012   | 514,960  | 266,913  | 168,364           | 15,042     |
| Less than 500 grams .....                                       | 2,365      | 2,314                            | 2,192          | 107         | 14          | 1        | 1                 | 1           | -        | -        | -                 | 50         |
| 500-999 grams .....   | 10,165     | 9,912                            | 7,037          | 2,555       | 299         | 21       | 102               | 67          | 24       | 11       | 6                 | 145        |
| 1,000-1,499 grams .....   | 14,481     | 13,561                           | 1,801          | 7,898       | 3,596       | 266      | 654               | 489         | 109      | 56       | 101               | 165        |
| 1,500-1,999 grams .....   | 31,610     | 26,458                           | 333            | 6,075       | 17,408      | 2,642    | 4,429             | 3,714       | 463      | 252      | 414               | 309        |
| 2,000-2,499 grams .....   | 96,992     | 52,336                           | 260            | 1,894       | 34,383      | 15,799   | 41,454            | 34,494      | 4,700    | 2,260    | 2,475             | 727        |
| 2,500-2,999 grams .....   | 340,563    | 66,559                           | 377            | 1,605       | 29,410      | 35,167   | 254,732           | 192,240     | 43,207   | 19,285   | 17,126            | 2,146      |
| 3,000-3,499 grams .....   | 842,394    | 48,504                           | -              | 2,031       | 17,758      | 28,715   | 730,674           | 463,169     | 182,308  | 85,197   | 58,495            | 4,721      |
| 3,500-3,999 grams .....   | 733,006    | 19,932                           | -              | 1,287       | 8,299       | 10,346   | 647,175           | 337,725     | 201,913  | 107,537  | 61,789            | 4,110      |
| 4,000-4,499 grams .....   | 230,650    | 4,313                            | -              | -           | 2,017       | 2,296    | 201,937           | 88,958      | 69,778   | 43,201   | 23,083            | 1,317      |
| 4,500-4,999 grams .....   | 37,836     | 681                              | -              | -           | 312         | 369      | 32,611            | 13,241      | 11,223   | 8,147    | 4,311             | 233        |
| 5,000 grams or more .....                                       | 3,987      | 94                               | -              | -           | 48          | 46       | 3,376             | 1,476       | 1,045    | 855      | 480               | 37         |
| Not stated .....  | 2,401      | 495                              | 313            | 44          | 86          | 52       | 740               | 438         | 190      | 112      | 84                | 1,082      |
| Percent   |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Very low birthweight <sup>4</sup> .....                         | 1.2        | 10.5                             | 91.9           | 45.0        | 3.4         | 0.3      | 0.0               | 0.0         | 0.0      | 0.0      | 0.1               | 2.6        |
| Low birthweight <sup>5</sup> .....                              | 6.6        | 42.7                             | 96.9           | 79.0        | 49.1        | 19.6     | 2.4               | 3.4         | 1.0      | 1.0      | 1.8               | 10.0       |

See footnotes at end of table.



**Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1999 --Con.**

| Birthweight <sup>1</sup> and race and Hispanic origin of mother | All births | Period of gestation <sup>2</sup> |                |             |             |          |                   |             |          |          |                   | Not stated |
|---|------------|----------------------------------|----------------|-------------|-------------|----------|-------------------|-------------|----------|----------|-------------------|------------|
|   |            | Preterm                          |                |             |             |          | Term              |             |          | Postterm |                   |            |
|   |            | Total under 37 weeks             | Under 28 weeks | 28-31 weeks | 32-35 weeks | 36 weeks | Total 37-41 weeks | 37-39 weeks | 40 weeks | 41 weeks | 42 weeks and over |            |
| Number  |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Black, total .....  | 605,970    | 105,210                          | 10,977         | 13,840      | 48,511      | 31,882   | 453,106           | 284,513     | 112,664  | 55,929   | 42,690            | 4,964      |
| Less than 500 grams .....                                       | 2,424      | 2,359                            | 2,267          | 86          | 6           | -        | 6                 | 4           | 1        | 1        | 1                 | 58         |
| 500-999 grams .....   | 8,179      | 8,006                            | 6,079          | 1,757       | 157         | 13       | 47                | 30          | 12       | 5        | 10                | 116        |
| 1,000-1,499 grams .....   | 8,403      | 7,819                            | 1,301          | 4,484       | 1,881       | 153      | 416               | 306         | 71       | 39       | 71                | 97         |
| 1,500-1,999 grams .....   | 15,526     | 12,759                           | 390            | 2,984       | 8,037       | 1,348    | 2,364             | 1,947       | 270      | 147      | 242               | 161        |
| 2,000-2,499 grams .....   | 44,790     | 22,145                           | 291            | 1,305       | 13,946      | 6,603    | 20,785            | 16,959      | 2,628    | 1,198    | 1,444             | 416        |
| 2,500-2,999 grams .....   | 139,262    | 25,680                           | 370            | 1,359       | 11,970      | 11,981   | 104,692           | 77,026      | 19,456   | 8,210    | 7,855             | 1,035      |
| 3,000-3,499 grams .....   | 229,798    | 18,363                           | -              | 1,367       | 8,567       | 8,429    | 191,785           | 120,100     | 48,784   | 22,901   | 18,100            | 1,550      |
| 3,500-3,999 grams .....   | 124,009    | 6,492                            | -              | 483         | 3,268       | 2,741    | 105,174           | 54,970      | 32,444   | 17,760   | 11,499            | 844        |
| 4,000-4,499 grams .....   | 27,907     | 1,053                            | -              | -           | 557         | 496      | 23,731            | 11,189      | 7,749    | 4,793    | 2,923             | 200        |
| 4,500-4,999 grams .....   | 4,205      | 161                              | -              | -           | 78          | 83       | 3,534             | 1,659       | 1,109    | 766      | 474               | 36         |
| 5,000 grams or more .....                                       | 554        | 31                               | -              | -           | 15          | 16       | 453               | 245         | 113      | 95       | 56                | 14         |
| Not stated .....  | 913        | 342                              | 279            | 15          | 29          | 19       | 119               | 78          | 27       | 14       | 15                | 437        |
| Percent   |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Very low birthweight <sup>4</sup> .....                         | 3.1        | 17.3                             | 90.2           | 45.8        | 4.2         | 0.5      | 0.1               | 0.1         | 0.1      | 0.1      | 0.2               | 6.0        |
| Low birthweight <sup>5</sup> .....                              | 13.1       | 50.6                             | 96.5           | 76.8        | 49.6        | 25.5     | 5.2               | 6.8         | 2.6      | 2.5      | 4.1               | 18.7       |
| Number  |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Black, non-Hispanic .....                                       | 588,981    | 103,034                          | 10,799         | 13,602      | 47,484      | 31,149   | 439,816           | 276,706     | 109,057  | 54,053   | 41,462            | 4,669      |
| Less than 500 grams .....                                       | 2,381      | 2,318                            | 2,229          | 84          | 5           | -        | 6                 | 4           | 1        | 1        | 1                 | 56         |
| 500-999 grams .....   | 8,059      | 7,891                            | 5,988          | 1,737       | 153         | 13       | 47                | 30          | 12       | 5        | 10                | 111        |
| 1,000-1,499 grams .....   | 8,273      | 7,704                            | 1,278          | 4,423       | 1,853       | 150      | 405               | 300         | 68       | 37       | 70                | 94         |
| 1,500-1,999 grams .....   | 15,217     | 12,512                           | 380            | 2,934       | 7,880       | 1,318    | 2,313             | 1,905       | 264      | 144      | 238               | 154        |
| 2,000-2,499 grams .....   | 43,896     | 21,711                           | 284            | 1,281       | 13,665      | 6,481    | 20,365            | 16,630      | 2,567    | 1,168    | 1,420             | 400        |
| 2,500-2,999 grams .....   | 135,952    | 25,123                           | 363            | 1,332       | 11,727      | 11,701   | 102,175           | 75,197      | 18,950   | 8,028    | 7,661             | 993        |
| 3,000-3,499 grams .....   | 223,441    | 17,928                           | -              | 1,336       | 8,371       | 8,221    | 186,401           | 116,894     | 47,317   | 22,190   | 17,621            | 1,491      |
| 3,500-3,999 grams .....   | 119,685    | 6,308                            | -              | 464         | 3,180       | 2,664    | 101,467           | 53,117      | 31,254   | 17,096   | 11,109            | 801        |
| 4,000-4,499 grams .....   | 26,732     | 1,021                            | -              | -           | 534         | 487      | 22,705            | 10,718      | 7,431    | 4,556    | 2,815             | 191        |
| 4,500-4,999 grams .....   | 4,030      | 155                              | -              | -           | 74          | 81       | 3,388             | 1,606       | 1,058    | 724      | 452               | 35         |
| 5,000 grams or more .....                                       | 528        | 30                               | -              | -           | 15          | 15       | 433               | 233         | 109      | 91       | 51                | 14         |
| Not stated .....  | 787        | 333                              | 277            | 11          | 27          | 18       | 111               | 72          | 26       | 13       | 14                | 329        |
| Percent   |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Very low birthweight <sup>4</sup> .....                         | 3.2        | 17.4                             | 90.2           | 45.9        | 4.2         | 0.5      | 0.1               | 0.1         | 0.1      | 0.1      | 0.2               | 6.0        |
| Low birthweight <sup>5</sup> .....                              | 13.2       | 50.8                             | 96.6           | 77.0        | 49.6        | 25.6     | 5.3               | 6.8         | 2.7      | 2.5      | 4.2               | 18.8       |
| Number  |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Hispanic <sup>6</sup> .....                                     | 764,339    | 85,363                           | 4,333          | 8,203       | 41,797      | 31,030   | 603,348           | 358,620     | 162,579  | 82,149   | 58,360            | 17,268     |
| Less than 500 grams .....                                       | 828        | 747                              | 712            | 31          | 3           | 1        | 3                 | 3           | -        | -        | -                 | 78         |
| 500-999 grams .....   | 3,441      | 3,241                            | 2,423          | 701         | 105         | 12       | 43                | 30          | 11       | 2        | 13                | 144        |
| 1,000-1,499 grams .....   | 4,437      | 3,964                            | 651            | 2,219       | 1,020       | 74       | 260               | 193         | 45       | 22       | 41                | 172        |
| 1,500-1,999 grams .....   | 9,248      | 7,401                            | 155            | 1,691       | 4,824       | 731      | 1,408             | 1,139       | 176      | 93       | 152               | 287        |
| 2,000-2,499 grams .....   | 30,734     | 15,068                           | 97             | 818         | 9,621       | 4,532    | 13,979            | 11,322      | 1,816    | 841      | 955               | 732        |
| 2,500-2,999 grams .....   | 125,812    | 21,772                           | 191            | 945         | 10,189      | 10,447   | 94,760            | 69,292      | 17,685   | 7,783    | 6,719             | 2,561      |
| 3,000-3,499 grams .....   | 301,243    | 20,677                           | -              | 1,156       | 9,768       | 9,753    | 251,365           | 155,566     | 65,380   | 30,419   | 22,894            | 6,307      |
| 3,500-3,999 grams .....   | 218,943    | 9,923                            | -              | 630         | 4,905       | 4,388    | 184,015           | 95,164      | 58,122   | 30,729   | 20,050            | 4,955      |
| 4,000-4,499 grams .....   | 58,553     | 2,017                            | -              | -           | 1,108       | 909      | 48,813            | 21,984      | 16,600   | 10,229   | 6,285             | 1,438      |
| 4,500-4,999 grams .....   | 9,268      | 348                              | -              | -           | 196         | 152      | 7,589             | 3,389       | 2,428    | 1,772    | 1,069             | 262        |
| 5,000 grams or more .....                                       | 1,209      | 51                               | -              | -           | 27          | 24       | 963               | 457         | 272      | 234      | 160               | 35         |
| Not stated .....  | 623        | 154                              | 104            | 12          | 31          | 7        | 150               | 81          | 44       | 25       | 22                | 297        |
| Percent   |            |                                  |                |             |             |          |                   |             |          |          |                   |            |
| Very low birthweight <sup>4</sup> .....                         | 1.1        | 9.3                              | 89.5           | 36.0        | 2.7         | 0.3      | 0.1               | 0.1         | 0.0      | 0.0      | 0.1               | 2.3        |
| Low birthweight <sup>5</sup> .....                              | 6.4        | 35.7                             | 95.5           | 66.7        | 37.3        | 17.2     | 2.6               | 3.5         | 1.3      | 1.2      | 2.0               | 8.3        |

- Quantity zero.  
 0.0 Quantity more than zero but less than 0.05.  
<sup>1</sup> Equivalents of the gram weights in pounds and ounces are shown in the Technical notes.  
<sup>2</sup> Expressed in completed weeks.  
<sup>3</sup> Includes races other than white and black and origin not stated.  
<sup>4</sup> Birthweight of less than 1,500 grams (3 lb 4 oz).  
<sup>5</sup> Birthweight of less than 2,500 grams (5 lb 8 oz).  
<sup>6</sup> Includes all persons of Hispanic origin of any race.

**Table 44. Percent of live births very preterm and preterm and percent of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981-99**

| Year              | Very preterm <sup>1</sup> |       |              |       |              |                       | Preterm <sup>2</sup>   |       |              |       |              |                       |
|-------------------|---------------------------|-------|--------------|-------|--------------|-----------------------|------------------------|-------|--------------|-------|--------------|-----------------------|
|                   | All races <sup>3</sup>    | White |              | Black |              | Hispanic <sup>4</sup> | All races <sup>3</sup> | White |              | Black |              | Hispanic <sup>4</sup> |
|                   |                           | Total | Non-Hispanic | Total | Non-Hispanic |                       |                        | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| 1999              | 1.96                      | 1.57  | 1.54         | 4.13  | 4.18         | 1.68                  | 11.8                   | 10.7  | 10.5         | 17.5  | 17.6         | 11.4                  |
| 1998              | 1.96                      | 1.57  | 1.52         | 4.11  | 4.15         | 1.72                  | 11.6                   | 10.5  | 10.2         | 17.5  | 17.6         | 11.4                  |
| 1997              | 1.94                      | 1.53  | 1.49         | 4.17  | 4.19         | 1.68                  | 11.4                   | 10.2  | 9.9          | 17.5  | 17.6         | 11.2                  |
| 1996              | 1.89                      | 1.48  | 1.43         | 4.13  | 4.17         | 1.66                  | 11.0                   | 9.8   | 9.5          | 17.4  | 17.5         | 10.9                  |
| 1995              | 1.89                      | 1.46  | 1.41         | 4.25  | 4.29         | 1.66                  | 11.0                   | 9.7   | 9.4          | 17.7  | 17.8         | 10.9                  |
| 1994              | 1.91                      | 1.45  | 1.39         | 4.32  | 4.36         | 1.67                  | 11.0                   | 9.6   | 9.3          | 18.1  | 18.2         | 10.9                  |
| 1993              | 1.93                      | 1.45  | 1.39         | 4.41  | 4.45         | 1.67                  | 11.0                   | 9.5   | 9.1          | 18.5  | 18.6         | 11.0                  |
| 1992 <sup>7</sup> | 1.91                      | 1.40  | 1.33         | 4.47  | 4.50         | 1.64                  | 10.7                   | 9.1   | 8.7          | 18.4  | 18.5         | 10.7                  |
| 1991 <sup>7</sup> | 1.94                      | 1.41  | 1.35         | 4.62  | 4.65         | 1.65                  | 10.8                   | 9.1   | 8.7          | 18.9  | 19.0         | 11.0                  |
| 1990 <sup>8</sup> | 1.92                      | 1.39  | 1.33         | 4.61  | 4.63         | 1.69                  | 10.6                   | 8.9   | 8.5          | 18.8  | 18.9         | 11.0                  |
| 1989 <sup>9</sup> | 1.95                      | 1.41  | 1.34         | 4.64  | 4.68         | 1.76                  | 10.6                   | 8.8   | 8.4          | 18.9  | 19.0         | 11.1                  |
| 1988              | 1.96                      | 1.42  | ---          | 4.72  | ---          | ---                   | 10.2                   | 8.5   | ---          | 18.7  | ---          | ---                   |
| 1987              | 1.96                      | 1.44  | ---          | 4.61  | ---          | ---                   | 10.2                   | 8.5   | ---          | 18.4  | ---          | ---                   |
| 1986              | 1.90                      | 1.41  | ---          | 4.47  | ---          | ---                   | 10.0                   | 8.4   | ---          | 18.0  | ---          | ---                   |
| 1985              | 1.88                      | 1.42  | ---          | 4.37  | ---          | ---                   | 9.8                    | 8.2   | ---          | 17.8  | ---          | ---                   |
| 1984              | 1.83                      | 1.38  | ---          | 4.22  | ---          | ---                   | 9.4                    | 7.9   | ---          | 17.1  | ---          | ---                   |
| 1983              | 1.86                      | 1.40  | ---          | 4.34  | ---          | ---                   | 9.6                    | 8.0   | ---          | 17.7  | ---          | ---                   |
| 1982              | 1.84                      | 1.40  | ---          | 4.22  | ---          | ---                   | 9.5                    | 8.0   | ---          | 17.4  | ---          | ---                   |
| 1981              | 1.81                      | 1.37  | ---          | 4.13  | ---          | ---                   | 9.4                    | 7.9   | ---          | 17.3  | ---          | ---                   |

| Year              | Very low birthweight <sup>5</sup> |       |              |       |              |                       | Low birthweight <sup>6</sup> |       |              |       |              |                       |
|-------------------|-----------------------------------|-------|--------------|-------|--------------|-----------------------|------------------------------|-------|--------------|-------|--------------|-----------------------|
|                   | All races <sup>3</sup>            | White |              | Black |              | Hispanic <sup>4</sup> | All races <sup>3</sup>       | White |              | Black |              | Hispanic <sup>4</sup> |
|                   |                                   | Total | Non-Hispanic | Total | Non-Hispanic |                       |                              | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| 1999              | 1.45                              | 1.15  | 1.15         | 3.14  | 3.18         | 1.14                  | 7.6                          | 6.6   | 6.6          | 13.1  | 13.2         | 6.4                   |
| 1998              | 1.45                              | 1.15  | 1.15         | 3.08  | 3.11         | 1.15                  | 7.6                          | 6.5   | 6.6          | 13.0  | 13.2         | 6.4                   |
| 1997              | 1.42                              | 1.13  | 1.12         | 3.04  | 3.05         | 1.13                  | 7.5                          | 6.5   | 6.5          | 13.0  | 13.1         | 6.4                   |
| 1996              | 1.37                              | 1.09  | 1.08         | 2.99  | 3.02         | 1.12                  | 7.4                          | 6.3   | 6.4          | 13.0  | 13.1         | 6.3                   |
| 1995              | 1.35                              | 1.06  | 1.04         | 2.97  | 2.98         | 1.11                  | 7.3                          | 6.2   | 6.2          | 13.1  | 13.2         | 6.3                   |
| 1994              | 1.33                              | 1.02  | 1.01         | 2.96  | 2.99         | 1.08                  | 7.3                          | 6.1   | 6.1          | 13.2  | 13.3         | 6.2                   |
| 1993              | 1.33                              | 1.01  | 1.00         | 2.96  | 2.99         | 1.06                  | 7.2                          | 6.0   | 5.9          | 13.3  | 13.4         | 6.2                   |
| 1992 <sup>7</sup> | 1.29                              | 0.96  | 0.94         | 2.96  | 2.97         | 1.04                  | 7.1                          | 5.8   | 5.7          | 13.3  | 13.4         | 6.1                   |
| 1991 <sup>7</sup> | 1.29                              | 0.96  | 0.94         | 2.96  | 2.97         | 1.02                  | 7.1                          | 5.8   | 5.7          | 13.6  | 13.6         | 6.1                   |
| 1990 <sup>8</sup> | 1.27                              | 0.95  | 0.93         | 2.92  | 2.93         | 1.03                  | 7.0                          | 5.7   | 5.6          | 13.3  | 13.3         | 6.1                   |
| 1989 <sup>9</sup> | 1.28                              | 0.95  | 0.93         | 2.95  | 2.97         | 1.05                  | 7.0                          | 5.7   | 5.6          | 13.5  | 13.6         | 6.2                   |
| 1988              | 1.24                              | 0.93  | ---          | 2.86  | ---          | ---                   | 6.9                          | 5.7   | ---          | 13.3  | ---          | ---                   |
| 1987              | 1.24                              | 0.94  | ---          | 2.79  | ---          | ---                   | 6.9                          | 5.7   | ---          | 13.0  | ---          | ---                   |
| 1986              | 1.21                              | 0.93  | ---          | 2.73  | ---          | ---                   | 6.8                          | 5.7   | ---          | 12.8  | ---          | ---                   |
| 1985              | 1.21                              | 0.93  | ---          | 2.71  | ---          | ---                   | 6.8                          | 5.7   | ---          | 12.6  | ---          | ---                   |
| 1984              | 1.19                              | 0.93  | ---          | 2.60  | ---          | ---                   | 6.7                          | 5.6   | ---          | 12.6  | ---          | ---                   |
| 1983              | 1.19                              | 0.92  | ---          | 2.60  | ---          | ---                   | 6.8                          | 5.7   | ---          | 12.8  | ---          | ---                   |
| 1982              | 1.18                              | 0.91  | ---          | 2.56  | ---          | ---                   | 6.8                          | 5.6   | ---          | 12.6  | ---          | ---                   |
| 1981              | 1.16                              | 0.91  | ---          | 2.52  | ---          | ---                   | 6.8                          | 5.7   | ---          | 12.7  | ---          | ---                   |

--- Data not available.

<sup>1</sup> Births of less than 32 completed weeks of gestation.<sup>2</sup> Births of less than 37 completed weeks of gestation.<sup>3</sup> Includes races other than white and black and origin not stated.<sup>4</sup> Includes all persons of Hispanic origin of any race.<sup>5</sup> Less than 1,500 grams (3 lb. 4 oz.).<sup>6</sup> Less than 2,500 grams (5 lb. 8 oz.).<sup>7</sup> Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.<sup>8</sup> Data by Hispanic origin exclude New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>9</sup> Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

**Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 1999**

| Age and race and Hispanic origin of mother | Low birthweight <sup>1</sup> |         | Birthweight <sup>2</sup> |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
|--|------------------------------|---------|--------------------------|---------------------|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|------------|
|  | Number                       | Percent | Total                    | Less than 500 grams | 500-999 grams | 1,000-1,499 grams | 1,500-1,999 grams | 2,000-2,499 grams | 2,500-2,999 grams | 3,000-3,499 grams | 3,500-3,999 grams | 4,000-4,499 grams | 4,500-4,999 grams | 5,000-grams or more | Not stated |
| <b>All races <sup>3</sup></b>              |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages .....                             | 301,183                      | 7.6     | 3,959,417                | 5,912               | 22,815        | 28,750            | 59,531            | 184,175           | 653,327           | 1,470,019         | 1,137,401         | 332,863           | 53,751            | 6,069               | 4,804      |
| Under 15 years .....                       | 1,161                        | 12.9    | 9,054                    | 27                  | 126           | 140               | 212               | 656               | 2,169             | 3,642             | 1,755             | 276               | 30                | 1                   | 20         |
| 15-19 years .....                          | 45,604                       | 9.6     | 476,050                  | 861                 | 3,577         | 4,289             | 8,542             | 28,335            | 102,468           | 191,079           | 109,812           | 23,383            | 2,791             | 289                 | 624        |
| 15 years .....                             | 2,611                        | 11.4    | 22,896                   | 42                  | 233           | 262               | 525               | 1,549             | 5,573             | 9,234             | 4,563             | 804               | 72                | 5                   | 34         |
| 16 years .....                             | 5,460                        | 10.6    | 51,516                   | 110                 | 470           | 519               | 966               | 3,395             | 11,646            | 20,723            | 11,220            | 2,139             | 243               | 28                  | 57         |
| 17 years .....                             | 8,937                        | 10.0    | 89,176                   | 175                 | 725           | 811               | 1,681             | 5,545             | 19,679            | 35,971            | 19,954            | 4,014             | 455               | 39                  | 127        |
| 18 years .....                             | 12,847                       | 9.6     | 133,988                  | 230                 | 962           | 1,207             | 2,415             | 8,033             | 28,760            | 54,036            | 30,695            | 6,614             | 788               | 73                  | 175        |
| 19 years .....                             | 15,749                       | 8.8     | 178,474                  | 304                 | 1,187         | 1,490             | 2,955             | 9,813             | 36,810            | 71,115            | 43,380            | 9,812             | 1,233             | 144                 | 231        |
| 20-24 years .....                          | 74,294                       | 7.6     | 981,929                  | 1,483               | 5,479         | 6,614             | 13,787            | 46,931            | 179,377           | 383,073           | 265,074           | 67,981            | 9,918             | 1,041               | 1,171      |
| 25-29 years .....                          | 72,455                       | 6.7     | 1,078,252                | 1,430               | 5,491         | 6,778             | 14,300            | 44,456            | 164,320           | 399,715           | 325,737           | 97,453            | 15,667            | 1,669               | 1,236      |
| 30-34 years .....                          | 62,184                       | 7.0     | 892,400                  | 1,227               | 4,807         | 6,151             | 12,729            | 37,270            | 126,360           | 315,460           | 279,369           | 90,599            | 15,602            | 1,801               | 1,025      |
| 35-39 years .....                          | 36,328                       | 8.4     | 434,294                  | 715                 | 2,672         | 3,812             | 7,857             | 21,272            | 64,576            | 148,173           | 130,951           | 44,643            | 8,018             | 1,025               | 580        |
| 40-44 years .....                          | 8,364                        | 10.1    | 83,090                   | 158                 | 606           | 884               | 1,874             | 4,842             | 13,242            | 27,609            | 23,655            | 8,209             | 1,639             | 234                 | 138        |
| 45-54 years .....                          | 793                          | 18.3    | 4,348                    | 11                  | 57            | 82                | 230               | 413               | 815               | 1,268             | 1,048             | 319               | 86                | 9                   | 10         |
| <b>White, total</b>                        |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages .....                             | 205,561                      | 6.6     | 3,132,501                | 3,272               | 13,730        | 19,022            | 41,042            | 128,495           | 468,684           | 1,150,762         | 959,432           | 291,799           | 47,564            | 5,238               | 3,461      |
| Under 15 years .....                       | 512                          | 10.8    | 4,739                    | 15                  | 58            | 66                | 92                | 281               | 961               | 1,977             | 1,075             | 185               | 18                | -                   | 11         |
| 15-19 years .....                          | 27,488                       | 8.1     | 337,888                  | 418                 | 1,925         | 2,563             | 5,086             | 17,496            | 66,027            | 136,706           | 85,483            | 19,189            | 2,327             | 245                 | 423        |
| 15 years .....                             | 1,376                        | 9.7     | 14,193                   | 20                  | 119           | 139               | 264               | 834               | 3,077             | 5,842             | 3,206             | 609               | 53                | 5                   | 25         |
| 16 years .....                             | 3,111                        | 9.0     | 34,649                   | 54                  | 243           | 301               | 542               | 1,971             | 7,086             | 14,053            | 8,428             | 1,709             | 198               | 23                  | 41         |
| 17 years .....                             | 5,375                        | 8.6     | 62,782                   | 96                  | 392           | 484               | 1,017             | 3,386             | 12,616            | 25,626            | 15,400            | 3,274             | 384               | 30                  | 77         |
| 18 years .....                             | 7,926                        | 8.2     | 96,254                   | 96                  | 532           | 722               | 1,462             | 5,114             | 18,934            | 39,053            | 24,046            | 5,439             | 668               | 62                  | 126        |
| 19 years .....                             | 9,700                        | 7.5     | 130,010                  | 152                 | 639           | 917               | 1,801             | 6,191             | 24,314            | 52,132            | 34,403            | 8,158             | 1,024             | 125                 | 154        |
| 20-24 years .....                          | 47,931                       | 6.4     | 748,371                  | 749                 | 3,090         | 4,087             | 8,891             | 31,114            | 124,436           | 291,122           | 216,757           | 57,897            | 8,538             | 891                 | 799        |
| 25-29 years .....                          | 51,081                       | 5.9     | 873,654                  | 754                 | 3,397         | 4,611             | 10,177            | 32,142            | 121,524           | 319,795           | 278,857           | 86,189            | 13,889            | 1,431               | 888        |
| 30-34 years .....                          | 45,567                       | 6.2     | 739,948                  | 752                 | 3,132         | 4,376             | 9,483             | 27,824            | 96,025            | 257,445           | 243,271           | 81,211            | 14,093            | 1,566               | 770        |
| 35-39 years .....                          | 26,313                       | 7.4     | 356,959                  | 465                 | 1,698         | 2,642             | 5,761             | 15,747            | 49,135            | 120,523           | 112,881           | 39,614            | 7,154             | 887                 | 452        |
| 40-44 years .....                          | 6,035                        | 9.0     | 67,419                   | 109                 | 386           | 617               | 1,376             | 3,547             | 9,921             | 22,195            | 20,234            | 7,244             | 1,468             | 211                 | 111        |
| 45-54 years .....                          | 634                          | 18.0    | 3,523                    | 10                  | 44            | 60                | 176               | 344               | 655               | 999               | 874               | 270               | 77                | 7                   | 7          |
| <b>White, non-Hispanic</b>                 |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages .....                             | 155,613                      | 6.6     | 2,346,450                | 2,365               | 10,165        | 14,481            | 31,610            | 96,992            | 340,563           | 842,394           | 733,006           | 230,650           | 37,836            | 3,987               | 2,401      |
| Under 15 years .....                       | 233                          | 11.4    | 2,048                    | 5                   | 24            | 35                | 41                | 128               | 396               | 802               | 501               | 103               | 11                | -                   | 2          |
| 15-19 years .....                          | 17,821                       | 8.4     | 212,923                  | 288                 | 1,263         | 1,711             | 3,466             | 11,093            | 40,085            | 83,506            | 55,899            | 13,489            | 1,692             | 177                 | 254        |
| 15 years .....                             | 741                          | 10.7    | 6,963                    | 11                  | 74            | 77                | 170               | 409               | 1,387             | 2,732             | 1,704             | 344               | 35                | 3                   | 17         |
| 16 years .....                             | 1,737                        | 9.2     | 18,886                   | 34                  | 135           | 175               | 324               | 1,069             | 3,659             | 7,357             | 4,856             | 1,104             | 133               | 18                  | 22         |
| 17 years .....                             | 3,323                        | 8.8     | 37,671                   | 65                  | 257           | 320               | 663               | 2,018             | 7,244             | 14,881            | 9,651             | 2,226             | 281               | 20                  | 45         |
| 18 years .....                             | 5,290                        | 8.5     | 62,282                   | 70                  | 351           | 496               | 1,021             | 3,352             | 11,844            | 24,575            | 16,102            | 3,866             | 491               | 40                  | 74         |
| 19 years .....                             | 6,730                        | 7.7     | 87,121                   | 108                 | 446           | 643               | 1,288             | 4,245             | 15,951            | 33,961            | 23,586            | 5,949             | 752               | 96                  | 96         |
| 20-24 years .....                          | 33,979                       | 6.6     | 514,386                  | 517                 | 2,173         | 2,937             | 6,329             | 22,023            | 83,875            | 195,076           | 151,514           | 42,406            | 6,389             | 624                 | 523        |
| 25-29 years .....                          | 39,482                       | 6.0     | 663,569                  | 556                 | 2,566         | 3,625             | 7,916             | 24,819            | 90,863            | 238,676           | 214,243           | 67,616            | 10,973            | 1,086               | 630        |
| 30-34 years .....                          | 37,067                       | 6.2     | 600,830                  | 549                 | 2,491         | 3,500             | 7,824             | 22,703            | 76,756            | 206,647           | 199,409           | 67,560            | 11,587            | 1,232               | 572        |
| 35-39 years .....                          | 21,566                       | 7.3     | 294,590                  | 352                 | 1,319         | 2,132             | 4,731             | 13,032            | 40,044            | 98,851            | 93,972            | 33,206            | 5,914             | 698                 | 339        |
| 40-44 years .....                          | 4,911                        | 8.9     | 55,175                   | 89                  | 293           | 492               | 1,141             | 2,896             | 7,996             | 18,028            | 16,750            | 6,045             | 1,203             | 167                 | 75         |
| 45-54 years .....                          | 554                          | 19.0    | 2,929                    | 9                   | 36            | 49                | 162               | 298               | 548               | 808               | 718               | 225               | 67                | 3                   | 6          |

See footnotes at end of table.

**Table 46. Number and percent of births of low birthweight by race and Hispanic origin of mother: United States, each State and territory, 1999**

[By place of residence. Low birthweight is birthweight of less than 2,500 grams (5 lb 8 oz)]

| State                            | Number                 |         |              |        |              |                       | Percent                |       |              |       |              |                       |
|----------------------------------|------------------------|---------|--------------|--------|--------------|-----------------------|------------------------|-------|--------------|-------|--------------|-----------------------|
|                                  | All races <sup>1</sup> | White   |              | Black  |              | Hispanic <sup>2</sup> | All races <sup>1</sup> | White |              | Black |              | Hispanic <sup>2</sup> |
|                                  |                        | Total   | Non-Hispanic | Total  | Non-Hispanic |                       |                        | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| United States <sup>3</sup> ..... | 301,183                | 205,561 | 155,613      | 79,322 | 77,826       | 48,688                | 7.6                    | 6.6   | 6.6          | 13.1  | 13.2         | 6.4                   |
| Alabama .....                    | 5,787                  | 3,048   | 2,947        | 2,690  | 2,686        | 105                   | 9.3                    | 7.3   | 7.3          | 13.6  | 13.6         | 6.6                   |
| Alaska .....                     | 577                    | 348     | 317          | 46     | 43           | 39                    | 5.8                    | 5.3   | 5.2          | 10.5  | 10.1         | 6.6                   |
| Arizona .....                    | 5,575                  | 4,685   | 2,533        | 330    | 319          | 2,147                 | 6.9                    | 6.6   | 6.5          | 12.1  | 12.3         | 6.7                   |
| Arkansas .....                   | 3,161                  | 2,106   | 1,991        | 995    | 993          | 115                   | 8.6                    | 7.4   | 7.5          | 13.0  | 13.0         | 5.9                   |
| California .....                 | 31,714                 | 23,372  | 9,575        | 4,145  | 4,052        | 13,805                | 6.1                    | 5.5   | 5.6          | 11.7  | 11.8         | 5.5                   |
| Colorado .....                   | 5,184                  | 4,542   | 3,238        | 399    | 391          | 1,329                 | 8.3                    | 8.0   | 8.0          | 13.8  | 14.0         | 8.2                   |
| Connecticut .....                | 3,294                  | 2,467   | 1,772        | 702    | 669          | 574                   | 7.6                    | 6.8   | 6.3          | 13.1  | 13.4         | 9.1                   |
| Delaware .....                   | 918                    | 526     | 466          | 368    | 368          | 60                    | 8.6                    | 6.8   | 6.8          | 13.8  | 13.9         | 7.0                   |
| District of Columbia .....       | 987                    | 141     | 94           | 831    | 823          | 48                    | 13.1                   | 6.4   | 6.7          | 16.1  | 16.1         | 6.1                   |
| Florida .....                    | 16,096                 | 10,132  | 7,552        | 5,513  | 5,426        | 2,669                 | 8.2                    | 6.9   | 7.1          | 12.2  | 12.3         | 6.4                   |
| Georgia .....                    | 11,027                 | 5,426   | 4,777        | 5,366  | 5,299        | 607                   | 8.7                    | 6.7   | 6.8          | 12.7  | 12.8         | 5.8                   |
| Hawaii .....                     | 1,280                  | 217     | 172          | 45     | 43           | 175                   | 7.6                    | 5.4   | 5.2          | 9.8   | 10.1         | 8.0                   |
| Idaho .....                      | 1,226                  | 1,165   | 1,019        | 8      | 8            | 141                   | 6.2                    | 6.1   | 6.1          | *     | *            | 6.0                   |
| Illinois .....                   | 14,567                 | 9,093   | 6,746        | 4,858  | 4,839        | 2,359                 | 8.0                    | 6.5   | 6.5          | 14.2  | 14.2         | 6.4                   |
| Indiana .....                    | 6,728                  | 5,439   | 5,137        | 1,192  | 1,190        | 281                   | 7.9                    | 7.2   | 7.3          | 12.9  | 12.9         | 6.5                   |
| Iowa .....                       | 2,314                  | 2,080   | 1,946        | 147    | 141          | 105                   | 6.2                    | 5.9   | 5.9          | 12.6  | 12.6         | 5.7                   |
| Kansas .....                     | 2,750                  | 2,309   | 2,024        | 348    | 348          | 264                   | 7.1                    | 6.7   | 6.7          | 12.2  | 12.3         | 6.2                   |
| Kentucky .....                   | 4,466                  | 3,727   | 3,668        | 695    | 689          | 60                    | 8.2                    | 7.6   | 7.7          | 14.0  | 14.0         | 6.3                   |
| Louisiana .....                  | 6,704                  | 2,664   | 2,574        | 3,941  | 3,921        | 96                    | 10.0                   | 6.9   | 7.0          | 14.5  | 14.5         | 6.2                   |
| Maine .....                      | 818                    | 792     | 757          | 12     | 10           | 4                     | 6.0                    | 6.0   | 6.1          | *     | *            | *                     |
| Maryland .....                   | 6,495                  | 2,989   | 2,708        | 3,271  | 3,252        | 294                   | 9.0                    | 6.7   | 6.7          | 13.5  | 13.5         | 7.2                   |
| Massachusetts .....              | 5,693                  | 4,475   | 3,848        | 886    | 770          | 720                   | 7.1                    | 6.6   | 6.4          | 10.9  | 11.8         | 8.2                   |
| Michigan .....                   | 10,655                 | 6,811   | 5,829        | 3,496  | 3,462        | 416                   | 8.0                    | 6.5   | 6.4          | 14.6  | 14.7         | 6.7                   |
| Minnesota .....                  | 4,009                  | 3,219   | 2,899        | 440    | 432          | 199                   | 6.1                    | 5.6   | 5.7          | 11.0  | 11.0         | 6.0                   |
| Mississippi .....                | 4,412                  | 1,673   | 1,641        | 2,682  | 2,681        | 281                   | 10.3                   | 7.4   | 7.4          | 13.8  | 13.8         | 6.2                   |
| Missouri .....                   | 5,831                  | 4,180   | 4,046        | 1,546  | 1,542        | 132                   | 7.7                    | 6.7   | 6.7          | 13.7  | 13.7         | 5.8                   |
| Montana .....                    | 738                    | 642     | 622          | 3      | 3            | 16                    | 6.8                    | 6.8   | 6.9          | *     | *            | *                     |
| Nebraska .....                   | 1,610                  | 1,380   | 1,199        | 163    | 163          | 152                   | 6.7                    | 6.4   | 6.4          | 12.9  | 13.0         | 6.6                   |
| Nevada .....                     | 2,220                  | 1,757   | 1,178        | 272    | 266          | 566                   | 7.6                    | 7.0   | 7.6          | 12.4  | 12.6         | 6.1                   |
| New Hampshire .....              | 869                    | 840     | 756          | 16     | 16           | 26                    | 6.2                    | 6.2   | 5.9          | *     | *            | 7.3                   |
| New Jersey .....                 | 9,299                  | 5,800   | 4,338        | 2,818  | 2,675        | 1,539                 | 8.2                    | 6.9   | 6.7          | 13.4  | 14.0         | 7.2                   |
| New Mexico .....                 | 2,080                  | 1,738   | 702          | 61     | 59           | 1,051                 | 7.7                    | 7.6   | 7.7          | 12.3  | 12.8         | 7.6                   |
| New York .....                   | 20,038                 | 12,411  | 8,088        | 6,249  | 5,757        | 4,002                 | 7.8                    | 6.8   | 6.5          | 11.7  | 12.1         | 7.6                   |
| North Carolina .....             | 10,089                 | 5,832   | 5,211        | 3,900  | 3,883        | 632                   | 8.9                    | 7.2   | 7.3          | 13.7  | 13.7         | 6.4                   |
| North Dakota .....               | 474                    | 421     | 408          | 2      | 2            | 4                     | 6.2                    | 6.2   | 6.3          | *     | *            | *                     |
| Ohio .....                       | 12,006                 | 8,784   | 8,529        | 3,019  | 2,940        | 255                   | 7.9                    | 6.9   | 6.9          | 13.7  | 13.7         | 7.5                   |
| Oklahoma .....                   | 3,598                  | 2,708   | 2,446        | 545    | 525          | 230                   | 7.4                    | 7.0   | 7.2          | 11.9  | 11.8         | 5.9                   |
| Oregon .....                     | 2,430                  | 2,185   | 1,811        | 97     | 95           | 359                   | 5.4                    | 5.3   | 5.3          | 10.7  | 10.8         | 5.2                   |
| Pennsylvania .....               | 11,489                 | 8,281   | 7,610        | 2,900  | 2,856        | 654                   | 7.9                    | 6.8   | 6.7          | 14.3  | 14.3         | 9.1                   |
| Rhode Island .....               | 900                    | 734     | 490          | 110    | 99           | 133                   | 7.3                    | 6.8   | 6.7          | 11.3  | 11.7         | 7.1                   |
| South Carolina .....             | 5,402                  | 2,524   | 2,437        | 2,806  | 2,800        | 95                    | 9.8                    | 7.2   | 7.3          | 14.7  | 14.7         | 5.5                   |
| South Dakota .....               | 619                    | 511     | 503          | 10     | 10           | 9                     | 5.9                    | 5.9   | 5.9          | *     | *            | *                     |
| Tennessee .....                  | 7,148                  | 4,713   | 4,554        | 2,335  | 2,332        | 161                   | 9.2                    | 7.9   | 7.9          | 14.2  | 14.2         | 6.6                   |
| Texas .....                      | 25,696                 | 19,787  | 9,301        | 5,042  | 4,978        | 10,461                | 7.4                    | 6.6   | 6.7          | 12.6  | 12.6         | 6.6                   |
| Utah .....                       | 3,155                  | 2,960   | 2,587        | 36     | 36           | 364                   | 6.8                    | 6.7   | 6.7          | 13.6  | 14.2         | 6.7                   |
| Vermont .....                    | 371                    | 365     | 352          | 3      | 3            | 2                     | 5.7                    | 5.7   | 5.6          | *     | *            | *                     |
| Virginia .....                   | 7,389                  | 4,394   | 4,020        | 2,665  | 2,659        | 381                   | 7.8                    | 6.4   | 6.5          | 12.0  | 12.1         | 5.8                   |
| Washington .....                 | 4,578                  | 3,685   | 2,979        | 344    | 308          | 542                   | 5.8                    | 5.5   | 5.4          | 10.4  | 10.2         | 5.3                   |
| West Virginia .....              | 1,663                  | 1,558   | 1,553        | 92     | 92           | 5                     | 8.0                    | 7.9   | 7.9          | 12.3  | 12.4         | *                     |
| Wisconsin .....                  | 4,542                  | 3,459   | 3,226        | 871    | 861          | 247                   | 6.7                    | 5.9   | 5.9          | 13.4  | 13.4         | 6.1                   |
| Wyoming .....                    | 512                    | 466     | 437          | 11     | 11           | 30                    | 8.4                    | 8.1   | 8.4          | *     | *            | 5.7                   |
| Puerto Rico .....                | 6,789                  | 6,220   | ---          | 568    | ---          | ---                   | 11.4                   | 11.4  | ---          | 11.4  | ---          | ---                   |
| Virgin Islands .....             | 168                    | 32      | 4            | 132    | 118          | 40                    | 10.1                   | 10.3  | *            | 10.3  | 10.3         | 13.3                  |
| Guam .....                       | 314                    | 7       | 7            | 4      | 4            | 1                     | 7.8                    | *     | *            | *     | *            | *                     |
| American Samoa .....             | 62                     | -       | ---          | -      | ---          | ---                   | 3.6                    | *     | ---          | *     | ---          | ---                   |
| Northern Marianas .....          | 107                    | 2       | ---          | -      | ---          | ---                   | 8.2                    | *     | ---          | *     | ---          | ---                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

- Quantity zero.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.<sup>3</sup> Excludes data for the territories.

**Table 47. Number and percent of births of very low birthweight by race and Hispanic origin of mother: United States, each State and territory, 1999**

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams (3 lb 4 oz)]

| State                            | Number                 |        |              |        |              |                       | Percent                |       |              |       |              |                       |
|----------------------------------|------------------------|--------|--------------|--------|--------------|-----------------------|------------------------|-------|--------------|-------|--------------|-----------------------|
|                                  | All races <sup>1</sup> | White  |              | Black  |              | Hispanic <sup>2</sup> | All races <sup>1</sup> | White |              | Black |              | Hispanic <sup>2</sup> |
|                                  |                        | Total  | Non-Hispanic | Total  | Non-Hispanic |                       |                        | Total | Non-Hispanic | Total | Non-Hispanic |                       |
| United States <sup>3</sup> ..... | 57,477                 | 36,024 | 27,011       | 19,006 | 18,713       | 8,706                 | 1.5                    | 1.2   | 1.2          | 3.1   | 3.2          | 1.1                   |
| Alabama .....                    | 1,251                  | 570    | 555          | 669    | 669          | 15                    | 2.0                    | 1.4   | 1.4          | 3.4   | 3.4          | *                     |
| Alaska .....                     | 100                    | 66     | 61           | 9      | 8            | 8                     | 1.0                    | 1.0   | 1.0          | *     | *            | *                     |
| Arizona .....                    | 875                    | 724    | 393          | 72     | 69           | 325                   | 1.1                    | 1.0   | 1.0          | 2.6   | 2.7          | 1.0                   |
| Arkansas .....                   | 596                    | 365    | 351          | 226    | 226          | 14                    | 1.6                    | 1.3   | 1.3          | 2.9   | 3.0          | *                     |
| California .....                 | 5,937                  | 4,252  | 1,675        | 1,035  | 1,016        | 2,557                 | 1.1                    | 1.0   | 1.0          | 2.9   | 3.0          | 1.0                   |
| Colorado .....                   | 762                    | 661    | 464          | 78     | 75           | 203                   | 1.2                    | 1.2   | 1.1          | 2.7   | 2.7          | 1.2                   |
| Connecticut .....                | 683                    | 495    | 330          | 177    | 171          | 129                   | 1.6                    | 1.4   | 1.2          | 3.3   | 3.4          | 2.0                   |
| Delaware .....                   | 205                    | 105    | 87           | 95     | 95           | 18                    | 1.9                    | 1.4   | 1.3          | 3.6   | 3.6          | *                     |
| District of Columbia .....       | 253                    | 27     | 16           | 225    | 225          | 10                    | 3.4                    | 1.2   | *            | 4.4   | 4.4          | *                     |
| Florida .....                    | 3,192                  | 1,805  | 1,340        | 1,333  | 1,318        | 473                   | 1.6                    | 1.2   | 1.3          | 3.0   | 3.0          | 1.1                   |
| Georgia .....                    | 2,139                  | 887    | 784          | 1,216  | 1,201        | 97                    | 1.7                    | 1.1   | 1.1          | 2.9   | 2.9          | 0.9                   |
| Hawaii .....                     | 210                    | 42     | 35           | 10     | 9            | 20                    | 1.2                    | 1.1   | 1.1          | *     | *            | 0.9                   |
| Idaho .....                      | 213                    | 201    | 175          | 4      | 4            | 25                    | 1.1                    | 1.0   | 1.0          | *     | *            | 1.1                   |
| Illinois .....                   | 3,004                  | 1,691  | 1,183        | 1,202  | 1,194        | 510                   | 1.7                    | 1.2   | 1.1          | 3.5   | 3.5          | 1.4                   |
| Indiana .....                    | 1,243                  | 951    | 893          | 278    | 277          | 59                    | 1.5                    | 1.3   | 1.3          | 3.0   | 3.0          | 1.4                   |
| Iowa .....                       | 417                    | 378    | 347          | 28     | 28           | 20                    | 1.1                    | 1.1   | 1.0          | 2.4   | 2.5          | 1.1                   |
| Kansas .....                     | 499                    | 415    | 362          | 72     | 72           | 49                    | 1.3                    | 1.2   | 1.2          | 2.5   | 2.6          | 1.1                   |
| Kentucky .....                   | 838                    | 674    | 663          | 162    | 161          | 9                     | 1.5                    | 1.4   | 1.4          | 3.3   | 3.3          | *                     |
| Louisiana .....                  | 1,378                  | 445    | 431          | 921    | 920          | 18                    | 2.1                    | 1.2   | 1.2          | 3.4   | 3.4          | *                     |
| Maine .....                      | 147                    | 139    | 138          | 3      | 3            | -                     | 1.1                    | 1.1   | 1.1          | *     | *            | *                     |
| Maryland .....                   | 1,412                  | 490    | 446          | 885    | 884          | 48                    | 2.0                    | 1.1   | 1.1          | 3.6   | 3.7          | 1.2                   |
| Massachusetts .....              | 1,102                  | 819    | 690          | 234    | 212          | 137                   | 1.4                    | 1.2   | 1.1          | 2.9   | 3.2          | 1.6                   |
| Michigan .....                   | 2,181                  | 1,250  | 1,060        | 879    | 867          | 68                    | 1.6                    | 1.2   | 1.2          | 3.7   | 3.7          | 1.1                   |
| Minnesota .....                  | 720                    | 568    | 515          | 110    | 108          | 40                    | 1.1                    | 1.0   | 1.0          | 2.7   | 2.8          | 1.2                   |
| Mississippi .....                | 903                    | 316    | 310          | 575    | 575          | 6                     | 2.1                    | 1.4   | 1.4          | 3.0   | 3.0          | *                     |
| Missouri .....                   | 1,145                  | 739    | 718          | 390    | 387          | 21                    | 1.5                    | 1.2   | 1.2          | 3.5   | 3.4          | 0.9                   |
| Montana .....                    | 121                    | 95     | 92           | 1      | 1            | 3                     | 1.1                    | 1.0   | 1.0          | *     | *            | *                     |
| Nebraska .....                   | 291                    | 246    | 214          | 37     | 37           | 26                    | 1.2                    | 1.1   | 1.1          | 2.9   | 2.9          | 1.1                   |
| Nevada .....                     | 325                    | 235    | 149          | 57     | 56           | 85                    | 1.1                    | 0.9   | 1.0          | 2.6   | 2.6          | 0.9                   |
| New Hampshire .....              | 165                    | 158    | 127          | 2      | 2            | 8                     | 1.2                    | 1.2   | 1.0          | *     | *            | *                     |
| New Jersey .....                 | 2,003                  | 1,170  | 849          | 739    | 713          | 317                   | 1.8                    | 1.4   | 1.3          | 3.5   | 3.7          | 1.5                   |
| New Mexico .....                 | 315                    | 259    | 106          | 6      | 6            | 159                   | 1.2                    | 1.1   | 1.2          | *     | *            | 1.2                   |
| New York .....                   | 3,918                  | 2,217  | 1,389        | 1,511  | 1,422        | 788                   | 1.5                    | 1.2   | 1.1          | 2.8   | 3.0          | 1.5                   |
| North Carolina .....             | 2,161                  | 1,118  | 990          | 971    | 968          | 130                   | 1.9                    | 1.4   | 1.4          | 3.4   | 3.4          | 1.3                   |
| North Dakota .....               | 73                     | 64     | 60           | -      | -            | 3                     | 1.0                    | 0.9   | 0.9          | *     | *            | *                     |
| Ohio .....                       | 2,241                  | 1,525  | 1,479        | 693    | 680          | 46                    | 1.5                    | 1.2   | 1.2          | 3.1   | 3.2          | 1.3                   |
| Oklahoma .....                   | 602                    | 432    | 397          | 117    | 114          | 33                    | 1.2                    | 1.1   | 1.2          | 2.6   | 2.6          | 0.8                   |
| Oregon .....                     | 420                    | 379    | 314          | 15     | 15           | 64                    | 0.9                    | 0.9   | 0.9          | *     | *            | 0.9                   |
| Pennsylvania .....               | 2,274                  | 1,548  | 1,427        | 688    | 675          | 112                   | 1.6                    | 1.3   | 1.3          | 3.4   | 3.4          | 1.6                   |
| Rhode Island .....               | 182                    | 141    | 89           | 26     | 22           | 31                    | 1.5                    | 1.3   | 1.2          | 2.7   | 2.6          | 1.7                   |
| South Carolina .....             | 1,107                  | 434    | 421          | 664    | 663          | 14                    | 2.0                    | 1.2   | 1.3          | 3.5   | 3.5          | *                     |
| South Dakota .....               | 107                    | 84     | 83           | 3      | 3            | 1                     | 1.0                    | 1.0   | 1.0          | *     | *            | *                     |
| Tennessee .....                  | 1,255                  | 699    | 675          | 535    | 535          | 25                    | 1.6                    | 1.2   | 1.2          | 3.2   | 3.2          | 1.0                   |
| Texas .....                      | 4,511                  | 3,255  | 1,539        | 1,140  | 1,126        | 1,714                 | 1.3                    | 1.1   | 1.1          | 2.8   | 2.9          | 1.1                   |
| Utah .....                       | 514                    | 486    | 427          | 7      | 7            | 55                    | 1.1                    | 1.1   | 1.1          | *     | *            | 1.0                   |
| Vermont .....                    | 69                     | 67     | 62           | -      | -            | -                     | 1.1                    | 1.0   | 1.0          | *     | *            | *                     |
| Virginia .....                   | 1,484                  | 803    | 732          | 632    | 632          | 70                    | 1.6                    | 1.2   | 1.2          | 2.9   | 2.9          | 1.1                   |
| Washington .....                 | 742                    | 583    | 460          | 68     | 61           | 94                    | 0.9                    | 0.9   | 0.8          | 2.1   | 2.0          | 0.9                   |
| West Virginia .....              | 271                    | 246    | 246          | 21     | 21           | -                     | 1.3                    | 1.2   | 1.3          | 2.8   | 2.8          | *                     |
| Wisconsin .....                  | 859                    | 645    | 607          | 183    | 178          | 44                    | 1.3                    | 1.1   | 1.1          | 2.8   | 2.8          | 1.1                   |
| Wyoming .....                    | 62                     | 60     | 55           | 2      | 2            | 5                     | 1.0                    | 1.0   | 1.1          | *     | *            | *                     |
| Puerto Rico .....                | 787                    | 725    | ---          | 61     | ---          | ---                   | 1.3                    | 1.3   | ---          | 1.2   | ---          | ---                   |
| Virgin Islands .....             | 41                     | 4      | -            | 37     | 34           | 6                     | 2.5                    | *     | *            | 2.9   | 3.0          | *                     |
| Guam .....                       | 26                     | 1      | 1            | 1      | 1            | -                     | 0.6                    | *     | *            | *     | *            | *                     |
| American Samoa .....             | 8                      | -      | ---          | -      | ---          | ---                   | *                      | *     | ---          | *     | ---          | ---                   |
| Northern Marianas .....          | 14                     | 1      | ---          | -      | ---          | ---                   | *                      | *     | ---          | *     | ---          | ---                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

- Quantity zero.

--- Data not available.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.<sup>3</sup> Excludes data for the territories.

**Table 48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 1999**

[Rates are number of live births with specified abnormal condition per 1,000 live births in specified group]

| Abnormal condition and race of mother                        | All births <sup>1</sup> | Abnormal condition reported | Age of mother |                |             |             |             |             |             | Not stated <sup>2</sup> |
|--|-------------------------|-----------------------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
|  |                         |                             | All ages      | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |                         |
| All races <sup>3</sup>                                       |                         |                             |               |                |             |             |             |             |             |                         |
| Anemia .....   | 3,959,417               | 4,191                       | 1.1           | 1.1            | 1.0         | 1.0         | 1.1         | 1.2         | 1.4         | 100,783                 |
| Birth injury <sup>4</sup> .....                              | 3,586,265               | 9,980                       | 2.9           | 2.8            | 2.9         | 3.0         | 2.8         | 2.9         | 2.5         | 103,435                 |
| Fetal alcohol syndrome <sup>5</sup> .....                    | 3,891,209               | 148                         | 0.0           | *              | 0.0         | 0.0         | 0.0         | 0.1         | *           | 101,892                 |
| Hyaline membrane disease/RDS .....                           | 3,959,417               | 24,147                      | 6.3           | 6.9            | 6.3         | 6.1         | 6.0         | 6.4         | 7.3         | 100,783                 |
| Meconium aspiration syndrome .....                           | 3,959,417               | 7,681                       | 2.0           | 2.2            | 2.1         | 1.9         | 1.8         | 2.0         | 2.1         | 100,783                 |
| Assisted ventilation less than 30 minutes <sup>6</sup> ..... | 3,840,078               | 79,898                      | 21.4          | 21.9           | 20.6        | 21.3        | 21.5        | 22.3        | 23.8        | 109,831                 |
| Assisted ventilation 30 minutes or longer <sup>6</sup> ..... | 3,840,078               | 36,712                      | 9.8           | 11.2           | 9.5         | 9.1         | 9.6         | 10.8        | 13.3        | 109,831                 |
| Seizures .....   | 3,959,417               | 2,102                       | 0.5           | 0.6            | 0.6         | 0.5         | 0.5         | 0.5         | 0.6         | 100,783                 |
| White  |                         |                             |               |                |             |             |             |             |             |                         |
| Anemia .....   | 3,132,501               | 3,095                       | 1.0           | 1.0            | 1.0         | 1.0         | 1.0         | 1.1         | 1.4         | 75,931                  |
| Birth injury <sup>4</sup> .....                              | 2,812,735               | 8,230                       | 3.0           | 3.0            | 3.1         | 3.1         | 2.9         | 2.9         | 2.5         | 78,079                  |
| Fetal alcohol syndrome <sup>5</sup> .....                    | 3,073,731               | 80                          | 0.0           | *              | *           | 0.0         | *           | *           | *           | 76,973                  |
| Hyaline membrane disease/RDS .....                           | 3,132,501               | 19,406                      | 6.3           | 7.1            | 6.4         | 6.2         | 6.0         | 6.4         | 7.2         | 75,931                  |
| Meconium aspiration syndrome .....                           | 3,132,501               | 5,534                       | 1.8           | 2.1            | 1.9         | 1.8         | 1.7         | 1.8         | 2.0         | 75,931                  |
| Assisted ventilation less than 30 minutes <sup>6</sup> ..... | 3,065,587               | 65,053                      | 21.8          | 22.3           | 20.9        | 21.8        | 21.8        | 22.9        | 24.4        | 83,194                  |
| Assisted ventilation 30 minutes or longer <sup>6</sup> ..... | 3,065,587               | 28,407                      | 9.5           | 10.8           | 9.1         | 8.9         | 9.3         | 10.5        | 13.0        | 83,194                  |
| Seizures .....   | 3,132,501               | 1,638                       | 0.5           | 0.6            | 0.5         | 0.5         | 0.5         | 0.5         | 0.6         | 75,931                  |
| Black  |                         |                             |               |                |             |             |             |             |             |                         |
| Anemia .....   | 605,970                 | 869                         | 1.5           | 1.4            | 1.3         | 1.5         | 1.5         | 2.3         | 2.1         | 13,771                  |
| Birth injury <sup>4</sup> .....                              | 564,605                 | 955                         | 1.7           | 1.7            | 1.7         | 1.8         | 1.7         | 1.9         | *           | 14,083                  |
| Fetal alcohol syndrome <sup>5</sup> .....                    | 599,465                 | 50                          | 0.1           | *              | *           | *           | 0.2         | *           | *           | 13,818                  |
| Hyaline membrane disease/RDS .....                           | 605,970                 | 3,926                       | 6.6           | 6.5            | 6.3         | 6.3         | 7.0         | 7.8         | 10.5        | 13,771                  |
| Meconium aspiration syndrome .....                           | 605,970                 | 1,689                       | 2.9           | 2.6            | 2.7         | 2.9         | 3.1         | 3.4         | 3.1         | 13,771                  |
| Assisted ventilation less than 30 minutes <sup>6</sup> ..... | 567,257                 | 10,942                      | 19.8          | 20.0           | 19.4        | 19.4        | 20.7        | 20.3        | 22.1        | 14,724                  |
| Assisted ventilation 30 minutes or longer <sup>6</sup> ..... | 567,257                 | 6,754                       | 12.2          | 12.1           | 11.0        | 11.9        | 13.2        | 16.0        | 18.3        | 14,724                  |
| Seizures .....   | 605,970                 | 368                         | 0.6           | 0.6            | 0.6         | 0.6         | 0.6         | 0.6         | *           | 13,771                  |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup> Total number of births to residents of areas reporting specified condition.<sup>2</sup> No response reported for the abnormal conditions item.<sup>3</sup> Includes races other than white and black.<sup>4</sup> Nebraska and Texas do not report this condition.<sup>5</sup> Wisconsin does not report this condition.<sup>6</sup> New York City does not report this condition.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

**Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1999**

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

| Congenital anomaly and race of mother               | All births <sup>1</sup> | Congenital anomaly reported | Age of mother |                |             |             |             |             |             | Not stated <sup>2</sup> |
|---|-------------------------|-----------------------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
|   |                         |                             | All ages      | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |                         |
| All races <sup>3</sup>                              |                         |                             |               |                |             |             |             |             |             |                         |
| Anencephalus .....                                  | 3,932,226               | 423                         | 11.0          | 13.1           | 10.1        | 12.0        | 8.6         | 12.0        | *           | 73,470                  |
| Spina bifida/Meningocele .....                      | 3,932,226               | 776                         | 20.1          | 21.4           | 20.8        | 21.8        | 17.2        | 17.5        | 27.0        | 73,470                  |
| Hydrocephalus .....                                 | 3,932,226               | 831                         | 21.5          | 27.1           | 22.1        | 21.1        | 19.4        | 18.7        | 25.9        | 73,470                  |
| Microcephalus .....                                 | 3,932,226               | 229                         | 5.9           | 5.9            | 6.2         | 5.0         | 5.7         | 8.0         | *           | 73,470                  |
| Other central nervous system anomalies .....        | 3,932,226               | 772                         | 20.0          | 24.6           | 21.1        | 18.6        | 16.8        | 22.0        | *           | 73,470                  |
| Heart malformations .....                           | 3,932,226               | 4,624                       | 119.8         | 99.5           | 113.0       | 113.6       | 118.6       | 156.3       | 217.4       | 73,470                  |
| Other circulatory/respiratory anomalies .....       | 3,932,226               | 5,426                       | 140.6         | 149.7          | 138.2       | 128.4       | 138.5       | 160.6       | 191.6       | 73,470                  |
| Rectal atresia/stenosis .....                       | 3,932,226               | 348                         | 9.0           | 8.7            | 9.3         | 8.2         | 8.6         | 10.4        | *           | 73,470                  |
| Tracheo-esophageal fistula/Esophageal atresia ..... | 3,932,226               | 513                         | 13.3          | 14.0           | 11.4        | 11.2        | 14.0        | 17.5        | 28.2        | 73,470                  |
| Omphalocele/Gastroschisis .....                     | 3,932,226               | 1,164                       | 30.2          | 73.6           | 39.9        | 19.9        | 14.5        | 19.6        | *           | 73,470                  |
| Other gastrointestinal anomalies .....              | 3,932,226               | 1,150                       | 29.8          | 34.1           | 29.2        | 26.7        | 27.8        | 35.4        | 43.5        | 73,470                  |
| Malformed genitalia .....                           | 3,932,226               | 2,946                       | 76.3          | 76.3           | 74.4        | 76.3        | 77.0        | 80.3        | 72.9        | 73,470                  |
| Renal agenesis .....                                | 3,932,226               | 528                         | 13.7          | 14.4           | 14.2        | 13.0        | 14.5        | 11.1        | *           | 73,470                  |
| Other urogenital anomalies .....                    | 3,932,226               | 3,822                       | 99.0          | 91.2           | 94.4        | 98.5        | 106.3       | 103.2       | 106.9       | 73,470                  |
| Cleft lip/palate .....                              | 3,932,226               | 3,123                       | 80.9          | 83.6           | 87.6        | 80.2        | 72.7        | 79.1        | 94.0        | 73,470                  |
| Polydactyly/Syndactyly/Adactyly .....               | 3,932,226               | 3,392                       | 87.9          | 115.2          | 104.2       | 79.9        | 69.6        | 79.1        | 84.6        | 73,470                  |
| Clubfoot .....                                      | 3,932,226               | 2,150                       | 55.7          | 65.3           | 58.8        | 53.7        | 48.2        | 56.4        | 65.8        | 73,470                  |
| Diaphragmatic hernia .....                          | 3,932,226               | 504                         | 13.1          | 12.1           | 14.6        | 12.1        | 13.8        | 12.0        | *           | 73,470                  |
| Other musculoskeletal/integumental anomalies .....  | 3,932,226               | 9,258                       | 239.9         | 251.1          | 237.4       | 225.9       | 240.2       | 260.0       | 277.3       | 73,470                  |
| Down's syndrome .....                               | 3,932,226               | 1,754                       | 45.5          | 20.6           | 22.1        | 26.1        | 41.3        | 119.5       | 358.4       | 73,470                  |
| Other chromosomal anomalies .....                   | 3,932,226               | 1,424                       | 36.9          | 28.4           | 30.4        | 29.0        | 34.6        | 66.1        | 132.8       | 73,470                  |
| White   |                         |                             |               |                |             |             |             |             |             |                         |
| Anencephalus .....                                  | 3,109,637               | 338                         | 11.1          | 15.3           | 10.7        | 11.6        | 8.6         | 11.2        | *           | 56,011                  |
| Spina bifida/Meningocele .....                      | 3,109,637               | 638                         | 20.9          | 23.2           | 22.0        | 23.2        | 17.4        | 16.7        | *           | 56,011                  |
| Hydrocephalus .....                                 | 3,109,637               | 656                         | 21.5          | 29.2           | 22.2        | 21.9        | 18.5        | 18.4        | *           | 56,011                  |
| Microcephalus .....                                 | 3,109,637               | 174                         | 5.7           | *              | 5.5         | 5.4         | 5.1         | 7.8         | *           | 56,011                  |
| Other central nervous system anomalies .....        | 3,109,637               | 635                         | 20.8          | 27.1           | 22.8        | 18.3        | 17.3        | 23.0        | *           | 56,011                  |
| Heart malformations .....                           | 3,109,637               | 3,683                       | 120.6         | 98.0           | 116.1       | 113.0       | 122.0       | 148.8       | 214.3       | 56,011                  |
| Other circulatory/respiratory anomalies .....       | 3,109,637               | 4,206                       | 137.7         | 156.1          | 138.3       | 124.8       | 134.6       | 147.6       | 185.3       | 56,011                  |
| Rectal atresia/stenosis .....                       | 3,109,637               | 296                         | 9.7           | 7.2            | 10.6        | 8.4         | 9.7         | 11.5        | *           | 56,011                  |
| Tracheo-esophageal fistula/Esophageal atresia ..... | 3,109,637               | 435                         | 14.2          | 15.6           | 11.8        | 11.7        | 14.9        | 18.7        | 34.7        | 56,011                  |
| Omphalocele/Gastroschisis .....                     | 3,109,637               | 876                         | 28.7          | 79.4           | 39.7        | 18.6        | 12.6        | 15.8        | *           | 56,011                  |
| Other gastrointestinal anomalies .....              | 3,109,637               | 914                         | 29.9          | 37.0           | 29.8        | 25.9        | 27.8        | 34.5        | 46.3        | 56,011                  |
| Malformed genitalia .....                           | 3,109,637               | 2,481                       | 81.2          | 84.2           | 80.6        | 82.2        | 78.9        | 84.4        | 70.9        | 56,011                  |
| Renal agenesis .....                                | 3,109,637               | 430                         | 14.1          | 14.1           | 15.0        | 13.4        | 15.4        | 10.9        | *           | 56,011                  |
| Other urogenital anomalies .....                    | 3,109,637               | 3,205                       | 105.0         | 98.6           | 101.7       | 102.4       | 112.1       | 106.6       | 118.7       | 56,011                  |
| Cleft lip/palate .....                              | 3,109,637               | 2,684                       | 87.9          | 96.5           | 99.0        | 85.9        | 75.7        | 85.0        | 97.0        | 56,011                  |
| Polydactyly/Syndactyly/Adactyly .....               | 3,109,637               | 1,892                       | 62.0          | 73.4           | 70.3        | 57.9        | 53.6        | 61.2        | 60.8        | 56,011                  |
| Clubfoot .....                                      | 3,109,637               | 1,854                       | 60.7          | 74.0           | 65.1        | 58.5        | 52.7        | 58.6        | 72.4        | 56,011                  |
| Diaphragmatic hernia .....                          | 3,109,637               | 416                         | 13.6          | 13.5           | 16.2        | 11.7        | 14.1        | 12.6        | *           | 56,011                  |
| Other musculoskeletal/integumental anomalies .....  | 3,109,637               | 5,729                       | 187.6         | 187.3          | 185.4       | 178.1       | 191.7       | 203.6       | 207.0       | 56,011                  |
| Down's syndrome .....                               | 3,109,637               | 1,534                       | 50.2          | 20.7           | 25.0        | 29.0        | 46.8        | 125.2       | 379.3       | 56,011                  |
| Other chromosomal anomalies .....                   | 3,109,637               | 1,179                       | 38.6          | 29.5           | 30.7        | 31.6        | 34.5        | 70.1        | 137.5       | 56,011                  |

See footnotes at end of table.

**Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1999 --Con.**

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

| Congenital anomaly and race of mother               | All births <sup>1</sup> | Congenital anomaly reported | Age of mother |                |             |             |             |             |             | Not stated <sup>2</sup> |       |
|---|-------------------------|-----------------------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|-------|
|   |                         |                             | All ages      | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |                         |       |
| Black   |                         |                             |               |                |             |             |             |             |             |                         |       |
| Anencephalus .....                                  | 605,473                 | 65                          | 10.9          | *              | *           | *           | *           | *           | *           | *                       | 8,593 |
| Spina bifida/Meningocele .....                      | 605,473                 | 116                         | 19.4          | 17.0           | 17.9        | 15.4        | 24.4        | *           | *           | *                       | 8,593 |
| Hydrocephalus .....                                 | 605,473                 | 139                         | 23.3          | 20.3           | 22.1        | 18.3        | 28.8        | *           | *           | *                       | 8,593 |
| Microcephalus .....                                 | 605,473                 | 40                          | 6.7           | *              | *           | *           | *           | *           | *           | *                       | 8,593 |
| Other central nervous system anomalies .....        | 605,473                 | 95                          | 15.9          | 16.2           | 15.8        | 19.0        | *           | *           | *           | *                       | 8,593 |
| Heart malformations .....                           | 605,473                 | 731                         | 122.5         | 94.0           | 105.7       | 128.0       | 114.3       | 231.6       | 284.6       | *                       | 8,593 |
| Other circulatory/respiratory anomalies .....       | 605,473                 | 820                         | 137.4         | 117.6          | 126.7       | 135.3       | 152.0       | 203.7       | *           | *                       | 8,593 |
| Rectal atresia/stenosis .....                       | 605,473                 | 40                          | 6.7           | *              | *           | *           | *           | *           | *           | *                       | 8,593 |
| Tracheo-esophageal fistula/Esophageal atresia ..... | 605,473                 | 59                          | 9.9           | *              | *           | *           | *           | *           | *           | *                       | 8,593 |
| Omphalocele/Gastroschisis .....                     | 605,473                 | 237                         | 39.7          | 55.9           | 37.9        | 31.5        | 34.4        | 47.2        | *           | *                       | 8,593 |
| Other gastrointestinal anomalies .....              | 605,473                 | 188                         | 31.5          | 29.2           | 26.3        | 37.3        | 28.8        | 45.0        | *           | *                       | 8,593 |
| Malformed genitalia .....                           | 605,473                 | 297                         | 49.8          | 49.5           | 47.3        | 41.0        | 63.2        | 53.6        | *           | *                       | 8,593 |
| Renal agenesis .....                                | 605,473                 | 76                          | 12.7          | *              | 12.6        | *           | *           | *           | *           | *                       | 8,593 |
| Other urogenital anomalies .....                    | 605,473                 | 418                         | 70.0          | 66.5           | 64.1        | 75.3        | 72.1        | 83.6        | *           | *                       | 8,593 |
| Cleft lip/palate .....                              | 605,473                 | 260                         | 43.6          | 47.8           | 37.3        | 41.7        | 44.4        | 55.8        | *           | *                       | 8,593 |
| Polydactyly/Syndactyly/Adactyly .....               | 605,473                 | 1,386                       | 232.2         | 231.9          | 241.8       | 228.9       | 214.1       | 225.2       | 294.8       | *                       | 8,593 |
| Clubfoot .....                                      | 605,473                 | 215                         | 36.0          | 39.7           | 38.9        | 32.2        | 25.5        | 45.0        | *           | *                       | 8,593 |
| Diaphragmatic hernia .....                          | 605,473                 | 65                          | 10.9          | *              | *           | *           | *           | *           | *           | *                       | 8,593 |
| Other musculoskeletal/integumental anomalies .....  | 605,473                 | 1,995                       | 334.2         | 296.7          | 299.1       | 328.4       | 389.4       | 456.8       | 477.8       | *                       | 8,593 |
| Down's syndrome .....                               | 605,473                 | 153                         | 25.6          | 21.1           | 12.6        | *           | *           | 87.9        | 294.8       | *                       | 8,593 |
| Other chromosomal anomalies .....                   | 605,473                 | 154                         | 25.8          | 18.6           | 23.7        | 15.4        | 33.3        | 47.2        | *           | *                       | 8,593 |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Total number of births.<sup>2</sup> No response reported for the congenital anomalies item.<sup>3</sup> Includes races other than white and black.

NOTES: Excludes data for New Mexico, which did not report congenital anomalies. Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.



**Table 50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 1999**

| Plurality and race and Hispanic origin of mother                    | All ages  | Age of mother  |             |             |             |             |             |             |             |             |             |
|---|-----------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|   |           | Under 15 years | 15-19 years |             |             | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-54 years |
|   |           |                | Total       | 15-17 years | 18-19 years |             |             |             |             |             |             |
| Number  |           |                |             |             |             |             |             |             |             |             |             |
| <b>All live births</b>  |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 3,959,417 | 9,054          | 476,050     | 163,588     | 312,462     | 981,929     | 1,078,252   | 892,400     | 434,294     | 83,090      | 4,348       |
| White, total .....  | 3,132,501 | 4,739          | 337,888     | 111,624     | 226,264     | 748,371     | 873,654     | 739,948     | 356,959     | 67,419      | 3,523       |
| White, non-Hispanic .....   | 2,346,450 | 2,048          | 212,923     | 63,520      | 149,403     | 514,386     | 663,569     | 600,830     | 294,590     | 55,175      | 2,929       |
| Black, total .....  | 605,970   | 3,977          | 121,166     | 45,919      | 75,247      | 193,211     | 138,868     | 91,486      | 47,277      | 9,564       | 421         |
| Black, non-Hispanic .....   | 588,981   | 3,890          | 118,285     | 44,851      | 73,434      | 188,247     | 134,784     | 88,403      | 45,746      | 9,223       | 403         |
| Hispanic <sup>2</sup> .....   | 764,339   | 2,725          | 124,677     | 48,229      | 76,448      | 231,475     | 203,985     | 131,369     | 58,146      | 11,440      | 522         |
| <b>Live births in single deliveries</b>                             |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 3,837,789 | 8,971          | 468,714     | 161,326     | 307,388     | 959,878     | 1,046,105   | 857,548     | 413,996     | 79,035      | 3,542       |
| White, total .....  | 3,035,757 | 4,696          | 333,192     | 110,189     | 223,003     | 733,193     | 847,912     | 710,358     | 339,701     | 63,899      | 2,806       |
| White, non-Hispanic .....   | 2,266,577 | 2,029          | 209,859     | 62,695      | 147,164     | 503,223     | 642,497     | 575,262     | 279,412     | 52,033      | 2,262       |
| Black, total .....  | 586,027   | 3,937          | 118,755     | 45,172      | 73,583      | 186,985     | 133,700     | 87,831      | 45,195      | 9,232       | 392         |
| Black, non-Hispanic .....   | 569,500   | 3,854          | 115,923     | 44,125      | 71,798      | 182,138     | 129,731     | 84,838      | 43,728      | 8,909       | 379         |
| Hispanic <sup>2</sup> .....   | 748,368   | 2,701          | 123,045     | 47,609      | 75,436      | 227,502     | 199,538     | 127,725     | 56,264      | 11,109      | 484         |
| <b>Live births in twin deliveries</b>                               |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 114,307   | 83             | 7,270       | 2,239       | 5,031       | 21,640      | 30,494      | 31,926      | 18,485      | 3,699       | 710         |
| White, total .....  | 90,191    | 43             | 4,655       | 1,421       | 3,234       | 14,880      | 24,257      | 26,903      | 15,622      | 3,195       | 636         |
| White, non-Hispanic .....   | 73,964    | 19             | 3,038       | 817         | 2,221       | 10,924      | 19,741      | 23,124      | 13,673      | 2,847       | 598         |
| Black, total .....  | 19,374    | 40             | 2,386       | 738         | 1,648       | 6,125       | 5,022       | 3,502       | 1,966       | 310         | 23          |
| Black, non-Hispanic .....   | 18,920    | 36             | 2,337       | 717         | 1,620       | 6,011       | 4,909       | 3,412       | 1,902       | 292         | 21          |
| Hispanic <sup>2</sup> .....   | 15,388    | 24             | 1,617       | 614         | 1,003       | 3,913       | 4,308       | 3,434       | 1,762       | 304         | 26          |
| <b>Live births in higher-order multiple deliveries <sup>3</sup></b> |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 7,321     | -              | 66          | 23          | 43          | 411         | 1,653       | 2,926       | 1,813       | 356         | 96          |
| White, total .....  | 6,553     | -              | 41          | 14          | 27          | 298         | 1,485       | 2,687       | 1,636       | 325         | 81          |
| White, non-Hispanic .....   | 5,909     | -              | 26          | 8           | 18          | 239         | 1,331       | 2,444       | 1,505       | 295         | 69          |
| Black, total .....  | 569       | -              | 25          | 9           | 16          | 101         | 146         | 153         | 116         | 22          | 6           |
| Black, non-Hispanic .....   | 561       | -              | 25          | 9           | 16          | 98          | 144         | 153         | 116         | 22          | 3           |
| Hispanic <sup>2</sup> .....   | 583       | -              | 15          | 6           | 9           | 60          | 139         | 210         | 120         | 27          | 12          |
| <b>Ratio per 1,000 live births</b>                                  |           |                |             |             |             |             |             |             |             |             |             |
| <b>All multiple births</b>  |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 30.7      | 9.2            | 15.4        | 13.8        | 16.2        | 22.5        | 29.8        | 39.1        | 46.7        | 48.8        | 185.4       |
| White, total .....  | 30.9      | 9.1            | 13.9        | 12.9        | 14.4        | 20.3        | 29.5        | 40.0        | 48.3        | 52.2        | 203.5       |
| White, non-Hispanic .....   | 34.0      | *              | 14.4        | 13.0        | 15.0        | 21.7        | 31.8        | 42.6        | 51.5        | 56.9        | 227.7       |
| Black, total .....  | 32.9      | 10.1           | 19.9        | 16.3        | 22.1        | 32.2        | 37.2        | 40.0        | 44.0        | 34.7        | 68.9        |
| Black, non-Hispanic .....   | 33.1      | 9.3            | 20.0        | 16.2        | 22.3        | 32.5        | 37.5        | 40.3        | 44.1        | 34.0        | 59.6        |
| Hispanic <sup>2</sup> .....   | 20.9      | 8.8            | 13.1        | 12.9        | 13.2        | 17.2        | 21.8        | 27.7        | 32.4        | 28.9        | 72.8        |
| <b>Twin births</b>  |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 28.9      | 9.2            | 15.3        | 13.7        | 16.1        | 22.0        | 28.3        | 35.8        | 42.6        | 44.5        | 163.3       |
| White, total .....  | 28.8      | 9.1            | 13.8        | 12.7        | 14.3        | 19.9        | 27.8        | 36.4        | 43.8        | 47.4        | 180.5       |
| White, non-Hispanic .....   | 31.5      | *              | 14.3        | 12.9        | 14.9        | 21.2        | 29.7        | 38.5        | 46.4        | 51.6        | 204.2       |
| Black, total .....  | 32.0      | 10.1           | 19.7        | 16.1        | 21.9        | 31.7        | 36.2        | 38.3        | 41.6        | 32.4        | 54.6        |
| Black, non-Hispanic .....   | 32.1      | 9.3            | 19.8        | 16.0        | 22.1        | 31.9        | 36.4        | 38.6        | 41.6        | 31.7        | 52.1        |
| Hispanic <sup>2</sup> .....   | 20.1      | 8.8            | 13.0        | 12.7        | 13.1        | 16.9        | 21.1        | 26.1        | 30.3        | 26.6        | 49.8        |
| <b>Ratio per 100,000 live births</b>                                |           |                |             |             |             |             |             |             |             |             |             |
| <b>Higher-order multiple births <sup>3</sup></b>                    |           |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup> .....  | 184.9     | *              | 13.9        | 14.1        | 13.8        | 41.9        | 153.3       | 327.9       | 417.5       | 428.5       | 2207.9      |
| White, total .....  | 209.2     | *              | 12.1        | *           | 11.9        | 39.8        | 170.0       | 363.1       | 458.3       | 482.1       | 2299.2      |
| White, non-Hispanic .....   | 251.8     | *              | 12.2        | *           | *           | 46.5        | 200.6       | 406.8       | 510.9       | 534.7       | 2355.8      |
| Black, total .....  | 93.9      | *              | 20.6        | *           | *           | 52.3        | 105.1       | 167.2       | 245.4       | 230.0       | *           |
| Black, non-Hispanic .....   | 95.2      | *              | 21.1        | *           | *           | 52.1        | 106.8       | 173.1       | 253.6       | 238.5       | *           |
| Hispanic <sup>2</sup> .....   | 76.3      | *              | *           | *           | *           | 25.9        | 68.1        | 159.9       | 206.4       | 236.0       | *           |

- Quantity zero.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Includes races other than white and black and origin not stated.<sup>2</sup> Includes all persons of Hispanic origin of any race.<sup>3</sup> Births in greater than twin deliveries.

## Technical notes

### Source of data

Data shown in this report for 1999 are based on 100 percent of the birth certificates in all States and the District of Columbia. The data are provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). In 1984 and earlier years, the VSCP included varying numbers of States that provided data based on 100 percent of their birth certificates. Data for States not in the VSCP were based on a 50-percent sample of birth certificates filed in those States. Information on sampling procedures and sampling errors for 1984 and earlier years is provided in the annual report, *Vital Statistics of the United States, Volume I, Natality, Technical Appendix (4)*. Information on the percent of records with missing information for maternal and infant characteristics included in this report is shown by State in [table I](#). Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the [Technical notes](#) for more information.

### Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by five States (Kentucky, Nevada, North Dakota, Virginia, Wyoming), and American Samoa. From 1964 to 1996, mother's age was edited for ages 10–49 years. Births reported to occur to mothers younger than age 10 or older than age 49 years had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths). Beginning in 1997, age of mother is edited for ages 10–54 years. A review and verification of unedited birth data for 1996 showed that the vast majority of births reported as occurring to women aged 50 years and over were to women aged 50–54 years. The numbers of births to women aged 50–54 years are too small for computing age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

In 1999 age of mother was not reported on 0.02 percent of the records; for these records age of mother was imputed according to the last record with the same race and total birth order.

### Race and Hispanic origin

Race and Hispanic origin are reported separately on the birth certificate. Beginning with the 1989 data year, NCHS started tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate.

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. In order to facilitate continuity and analysis of the data, trend tables showing data for years prior to 1980 show data for both race of mother and race of child for 1980. This makes it possible to distinguish the effects of this change from real changes in the data. The text discussions of data by race are based on tabulations by race of mother. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

The factors influencing the decision to tabulate births by race of the mother have been discussed in detail elsewhere (92). They include the 1989 revision of the birth certificate, which includes many more health questions that are directly associated with the mother. In these instances, it is more appropriate to tabulate births by the mother's race. A second factor has been the increasing incidence of interracial parentage. In 1999, 5.3 percent of births were to parents of different races compared with just 2.2 percent 20 years earlier. A third factor influencing the decision to tabulate births by race of mother is the large proportion of births with race of father not stated, 14 percent in 1999. Although this proportion declined slightly in the 1990's, it is still higher than in 1979, 11 percent. The high proportion of records with the father's race not reported reflects the increase in the proportion of births to unmarried women; in many such cases, no information is reported on the father. These births are already assigned the race of the mother because there is no alternative. Tabulating all births by race of mother, therefore, provides for a more uniform approach, rather than a necessarily arbitrary combination of parental races.

Race of mother is reported by all registration areas in eight categories: white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and "other" Asian or Pacific Islander (API). In addition, 11 States (California, Hawaii, Illinois, Minnesota, Missouri, New Jersey, New York, Texas, Virginia, Washington, and West Virginia) report data on API subgroups included in the "other" API category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API). A report on births in 1992 to women in these API subgroups has been published (93).

In 1999 race of mother was not reported for 0.6 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.4 percent of births in 1999.

Hispanic origin and race are reported independently on the birth certificate, as noted previously. Data for Hispanic subgroups are shown in most cases for five groups: Mexican, Puerto Rican, Cuban, Central and South American, and other (and unknown) Hispanic. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race. In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women are reported as white (97 percent in 1999). In these tabulations, data for non-Hispanic persons are classified according to the race of the mother because there are substantial differences in fertility and maternal and infant health between Hispanic and non-Hispanic white women.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all States and the District of Columbia, the Virgin Islands, and Guam since 1993 (5). Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. The percent of records for which Hispanic origin of the parents was not reported in 1999 is shown by State in [table I](#).

### Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994 through 1996, birth certificates in 45 states and the District of Columbia included a

**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 1999**

[By place of residence]

| Area                                  | All births | Place of birth | Attendant at birth | Mother's birth-place | Father's age | Father's race | Hispanic origin |        | Educational attainment of mother | Live-birth order | Length of gestation | Month prenatal care began | Number of prenatal visits |
|---------------------------------------|------------|----------------|--------------------|----------------------|--------------|---------------|-----------------|--------|----------------------------------|------------------|---------------------|---------------------------|---------------------------|
|                                       |            |                |                    |                      |              |               | Mother          | Father |                                  |                  |                     |                           |                           |
| Total of reporting areas <sup>1</sup> | 3,959,417  | 0.0            | 0.0                | 0.3                  | 14.0         | 14.6          | 1.2             | 14.9   | 1.6                              | 0.5              | 1.1                 | 2.9                       | 3.9                       |
| Alabama . . . . .                     | 62,122     | -              | 0.0                | 0.1                  | 22.7         | 22.8          | 0.1             | 22.7   | 0.3                              | 0.0              | 0.1                 | 0.3                       | 0.7                       |
| Alaska . . . . .                      | 9,950      | 0.0            | 0.1                | 0.4                  | 12.7         | 15.1          | 0.5             | 13.4   | 2.2                              | 0.3              | 0.2                 | 1.9                       | 1.7                       |
| Arizona . . . . .                     | 81,145     | 0.0            | 0.0                | 0.2                  | 19.7         | 21.7          | 1.3             | 21.7   | 2.4                              | 0.3              | 0.2                 | 2.5                       | 4.7                       |
| Arkansas . . . . .                    | 36,729     | 0.0            | 0.0                | 0.1                  | 19.6         | 21.8          | 0.1             | 20.9   | 1.0                              | 0.1              | 0.2                 | 2.4                       | 2.6                       |
| California . . . . .                  | 518,508    | 0.0            | 0.0                | 0.3                  | 7.2          | 6.8           | 0.6             | 6.2    | 1.5                              | 0.1              | <sup>2</sup> 5.7    | 1.6                       | 3.1                       |
| Colorado . . . . .                    | 62,167     | -              | -                  | 0.3                  | 9.0          | 9.4           | 0.1             | 9.5    | 1.0                              | 0.1              | 0.0                 | 0.7                       | 0.9                       |
| Connecticut . . . . .                 | 43,310     | 0.0            | 0.0                | 0.2                  | 10.9         | 12.3          | 5.1             | 15.6   | 3.4                              | 7.1              | 0.2                 | 3.3                       | 6.3                       |
| Delaware . . . . .                    | 10,676     | -              | 0.5                | 0.2                  | 31.6         | 32.3          | 0.1             | 31.5   | 0.5                              | 0.1              | 0.1                 | 0.8                       | 1.0                       |
| District of Columbia . . . . .        | 7,522      | -              | -                  | 0.1                  | 43.5         | 51.0          | 0.7             | 43.4   | 9.2                              | 0.1              | 0.6                 | 16.8                      | 19.7                      |
| Florida . . . . .                     | 197,023    | 0.0            | 0.0                | 0.1                  | 17.3         | 17.6          | 0.1             | 18.9   | 0.6                              | 0.0              | 0.1                 | 0.9                       | 2.0                       |
| Georgia . . . . .                     | 126,717    | 0.0            | 0.0                | 0.2                  | 17.6         | 18.1          | 1.2             | 18.4   | 2.3                              | 0.5              | 0.2                 | 3.7                       | 3.4                       |
| Hawaii . . . . .                      | 17,038     | -              | 0.0                | 0.1                  | 8.9          | 9.1           | 0.1             | 9.2    | 0.7                              | 0.0              | 3.4                 | 3.8                       | 4.4                       |
| Idaho . . . . .                       | 19,872     | -              | 0.0                | 0.2                  | 8.3          | 11.5          | 0.4             | 11.1   | 2.3                              | 0.1              | 0.2                 | 1.5                       | 2.0                       |
| Illinois . . . . .                    | 182,068    | 0.0            | 0.0                | 0.1                  | 14.4         | 15.8          | 0.1             | 15.9   | 1.0                              | 0.1              | 0.2                 | 2.1                       | 2.5                       |
| Indiana . . . . .                     | 86,031     | 0.0            | 0.1                | 0.2                  | 13.3         | 13.4          | 0.4             | 13.6   | 0.9                              | 0.2              | 0.1                 | 1.3                       | 2.6                       |
| Iowa . . . . .                        | 37,558     | 0.0            | 0.0                | 0.4                  | 11.9         | 13.7          | 1.0             | 14.6   | 1.5                              | 0.1              | 0.1                 | 1.1                       | 3.2                       |
| Kansas . . . . .                      | 38,782     | -              | 0.0                | 0.1                  | 10.5         | 10.7          | 0.9             | 11.9   | 0.3                              | 0.0              | 0.1                 | 0.6                       | 0.8                       |
| Kentucky . . . . .                    | 54,403     | -              | 0.1                | 0.0                  | 19.5         | 22.2          | 0.1             | 23.1   | 0.2                              | 0.1              | 0.1                 | 1.0                       | 1.2                       |
| Louisiana . . . . .                   | 67,136     | 0.0            | 0.0                | 0.0                  | 21.3         | 21.5          | 0.6             | 21.8   | 0.0                              | 0.0              | 0.0                 | 0.3                       | 0.6                       |
| Maine . . . . .                       | 13,616     | -              | 0.0                | -                    | 9.6          | 14.1          | 5.1             | 18.1   | 0.8                              | 0.3              | 0.1                 | 0.5                       | 0.5                       |
| Maryland . . . . .                    | 71,967     | 0.0            | 0.0                | 0.6                  | 7.7          | 9.2           | 0.4             | 6.6    | 1.9                              | 0.3              | 0.5                 | 3.8                       | 6.6                       |
| Massachusetts . . . . .               | 80,939     | -              | 0.0                | 0.0                  | 7.7          | 7.6           | 0.6             | 6.8    | 0.4                              | 0.4              | 0.4                 | 1.2                       | 0.5                       |
| Michigan . . . . .                    | 133,607    | 0.0            | 0.1                | 0.1                  | 15.4         | 17.6          | 5.9             | 22.2   | 1.7                              | 0.4              | 0.3                 | 4.1                       | 5.6                       |
| Minnesota . . . . .                   | 65,970     | -              | -                  | 0.1                  | 8.5          | 10.9          | 5.2             | 15.3   | 2.2                              | 0.4              | 0.9                 | 6.4                       | 5.7                       |
| Mississippi . . . . .                 | 42,684     | 0.0            | 0.0                | 0.1                  | 23.1         | 22.9          | 0.1             | 23.3   | 0.3                              | 0.1              | 0.2                 | 0.6                       | 1.7                       |
| Missouri . . . . .                    | 75,432     | -              | -                  | 0.2                  | 17.9         | 18.5          | 0.1             | 18.3   | 0.7                              | 0.4              | 0.1                 | 1.8                       | 2.8                       |
| Montana . . . . .                     | 10,785     | 0.0            | 0.1                | 0.0                  | 9.4          | 10.5          | 1.4             | 11.5   | 0.4                              | 0.0              | 0.1                 | 0.4                       | 0.3                       |
| Nebraska . . . . .                    | 23,907     | -              | 0.0                | 0.0                  | 11.8         | 12.8          | 2.4             | 13.9   | 0.1                              | -                | 0.0                 | 0.3                       | 0.6                       |
| Nevada . . . . .                      | 29,362     | 0.0            | 0.0                | 1.0                  | 20.8         | 21.7          | 1.4             | 20.3   | 3.5                              | 1.1              | 1.0                 | 8.4                       | 10.9                      |
| New Hampshire . . . . .               | 14,041     | -              | -                  | 0.0                  | 6.3          | 8.8           | 3.9             | 13.2   | 1.1                              | 2.4              | 0.3                 | 1.5                       | 1.6                       |
| New Jersey . . . . .                  | 114,105    | 0.0            | 0.0                | 0.2                  | 9.0          | 11.3          | 0.4             | 9.4    | 2.6                              | 0.1              | 0.1                 | 5.4                       | 6.8                       |
| New Mexico . . . . .                  | 27,191     | -              | -                  | 2.7                  | 28.6         | 28.0          | 0.0             | 28.0   | 4.5                              | 0.5              | 0.5                 | 7.3                       | 5.8                       |
| New York . . . . .                    | 255,612    | 0.1            | 0.0                | 0.4                  | 14.9         | 15.2          | 4.9             | 18.8   | 1.9                              | 0.1              | 0.4                 | 9.6                       | 6.7                       |
| North Carolina . . . . .              | 113,795    | -              | 0.0                | 0.0                  | 16.8         | 16.8          | 0.0             | 16.8   | 0.2                              | 0.1              | 0.1                 | 0.7                       | 0.7                       |
| North Dakota . . . . .                | 7,639      | 0.0            | 0.0                | -                    | 8.4          | 9.0           | 3.4             | 12.1   | 0.2                              | 0.1              | 0.1                 | 0.4                       | 0.4                       |
| Ohio . . . . .                        | 152,584    | 0.0            | 0.0                | 2.0                  | 15.1         | 17.0          | 0.4             | 12.3   | 0.7                              | 0.3              | 0.1                 | 1.2                       | 2.4                       |
| Oklahoma . . . . .                    | 49,010     | -              | 0.1                | 0.1                  | 17.8         | 19.2          | 2.0             | 19.3   | 1.8                              | 1.5              | 4.8                 | 11.2                      | 13.9                      |
| Oregon . . . . .                      | 45,204     | -              | -                  | 0.2                  | 11.3         | 5.1           | 0.8             | 6.0    | 1.8                              | 0.1              | 0.0                 | 0.4                       | 0.7                       |
| Pennsylvania . . . . .                | 145,347    | 0.0            | 0.0                | 0.9                  | 5.5          | 4.2           | 0.5             | 3.6    | 2.7                              | 0.5              | 0.3                 | 3.8                       | 6.0                       |
| Rhode Island . . . . .                | 12,366     | -              | -                  | 0.5                  | 13.6         | 14.4          | 13.8            | 24.2   | 2.9                              | 1.6              | 1.3                 | 4.9                       | 5.6                       |

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 1999—Con.

[By place of residence]

| Area  | All births | Place of birth | Attendant at birth | Mother's birth-place | Father's age | Father's race | Hispanic origin |        | Educational attainment of mother | Live-birth order | Length of gestation | Month prenatal care began | Number of prenatal visits |
|---|------------|----------------|--------------------|----------------------|--------------|---------------|-----------------|--------|----------------------------------|------------------|---------------------|---------------------------|---------------------------|
|   |            |                |                    |                      |              |               | Mother          | Father |                                  |                  |                     |                           |                           |
| South Carolina . . . . .                                | 54,948     | 0.0            | 0.0                | 0.3                  | 28.0         | 28.0          | 0.1             | 28.0   | 4.5                              | 0.1              | 0.2                 | 1.5                       | 1.7                       |
| South Dakota . . . . .                                  | 10,524     | 0.0            | —                  | 0.0                  | 12.7         | 12.8          | 0.1             | 13.1   | 0.2                              | 0.0              | 0.0                 | 0.2                       | 0.3                       |
| Tennessee . . . . .                                     | 77,803     | —              | 0.0                | 0.1                  | 15.8         | 16.0          | 0.0             | 16.1   | 0.2                              | 0.2              | 0.3                 | 1.4                       | 1.1                       |
| Texas . . . . .   | 349,245    | 0.0            | 0.0                | 0.4                  | 15.2         | 15.3          | 0.4             | 15.3   | 1.7                              | 1.3              | 0.7                 | 2.1                       | 5.8                       |
| Utah . . . . .  | 46,290     | 0.0            | 0.0                | 0.2                  | 8.7          | 9.6           | 0.2             | 9.0    | 1.0                              | 0.4              | 0.1                 | 4.9                       | 5.6                       |
| Vermont . . . . .                                       | 6,567      | —              | —                  | 0.1                  | 9.1          | 14.8          | 2.2             | 16.1   | 2.6                              | 0.5              | 0.1                 | 4.1                       | 2.0                       |
| Virginia . . . . .                                      | 95,469     | —              | 0.1                | 0.1                  | 17.8         | 19.1          | 0.2             | 17.8   | 0.7                              | 0.0              | 0.1                 | 0.3                       | 0.5                       |
| Washington . . . . .                                    | 79,586     | 0.0            | 0.2                | 0.4                  | 10.0         | 13.8          | 4.4             | 15.1   | 10.1                             | 3.7              | 2.2                 | 9.5                       | 13.8                      |
| West Virginia . . . . .                                 | 20,728     | 0.2            | 0.0                | 0.1                  | 12.6         | 13.4          | 0.2             | 13.4   | 0.8                              | 0.1              | 0.4                 | 4.5                       | 3.3                       |
| Wisconsin . . . . .                                     | 68,208     | —              | 0.0                | 0.1                  | 28.8         | 28.8          | 0.0             | 28.8   | 0.2                              | 0.0              | 0.0                 | 0.2                       | 0.3                       |
| Wyoming . . . . .                                       | 6,129      | —              | —                  | 0.0                  | 14.2         | 14.8          | 0.0             | 14.3   | 0.5                              | 0.0              | 0.0                 | 0.7                       | 1.1                       |
| Puerto Rico . . . . .                                   | 59,563     | —              | 0.1                | —                    | 3.0          | 3.8           | —               | —      | 0.4                              | 0.0              | 0.1                 | 0.4                       | 0.1                       |
| Virgin Islands . . . . .                                | 1,671      | —              | 0.1                | —                    | 24.8         | 26.5          | 4.4             | 27.5   | 2.6                              | 0.6              | 1.1                 | 0.7                       | 2.9                       |
| Guam . . . . .  | 4,021      | 0.0            | 1.0                | 0.4                  | 22.9         | 23.9          | 1.2             | 25.4   | 0.6                              | 1.0              | 0.3                 | 0.5                       | 0.9                       |
| American Samoa . . . . .                                | 1,736      | 0.1            | —                  | 36.6                 | 35.5         | 35.8          | —               | —      | —                                | —                | —                   | —                         | —                         |
| Commonwealth of the Northern Marianas Islands . . . . . | 1,381      | 0.1            | 0.2                | 0.1                  | 6.4          | 8.5           | —               | —      | 15.1                             | 14.4             | 12.5                | 15.5                      | 13.3                      |

See footnotes at end of table.

**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 1999—Con.**

[By place of residence]

| Area                                  | All births | Birth-weight | 5-minute Apgar score | Medical risk factors | Tobacco use      | Alcohol use | Weight gain | Obstetric procedures | Complications of labor and/or delivery | Method of delivery | Abnormal conditions of newborn | Congenital anomalies |
|---------------------------------------|------------|--------------|----------------------|----------------------|------------------|-------------|-------------|----------------------|--|--------------------|--------------------------------|----------------------|
| Total of reporting areas <sup>1</sup> | 3,959,417  | 0.1          | 0.5                  | 1.6                  | 1.4              | 1.7         | 8.4         | 1.1                  | 1.3                                    | 0.8                | 2.5                            | 1.9                  |
| Alabama                               | 62,122     | 0.1          | 0.3                  | 0.0                  | 0.0              | 0.1         | 3.4         | 0.0                  | 0.0                                    | 0.3                | 0.0                            | 0.0                  |
| Alaska                                | 9,950      | 0.4          | 0.6                  | 0.7                  | 0.6              | 0.8         | 2.5         | 0.4                  | 0.6                                    | 0.5                | 0.7                            | 0.9                  |
| Arizona                               | 81,145     | 0.1          | 0.4                  | 0.0                  | 1.3              | 1.5         | 11.9        | 0.0                  | 0.0                                    | 0.3                | 0.0                            | 0.4                  |
| Arkansas                              | 36,729     | 0.1          | 3.4                  | 0.2                  | 0.4              | 0.5         | 7.5         | 0.2                  | 0.2                                    | 0.5                | 0.2                            | 0.2                  |
| California                            | 518,508    | 0.0          | ---                  | 0.0                  | ---              | ---         | ---         | 0.0                  | 0.0                                    | 0.0                | 0.0                            | 0.0                  |
| Colorado                              | 62,167     | 0.0          | 0.3                  | 0.0                  | 0.1              | 0.1         | 2.9         | —                    | —                                      | —                  | —                              | 0.1                  |
| Connecticut                           | 43,310     | 0.0          | 1.5                  | 9.8                  | 5.7              | 6.0         | 18.4        | 9.3                  | 10.2                                   | 0.9                | 15.9                           | 16.8                 |
| Delaware                              | 10,676     | 0.0          | 0.3                  | 0.0                  | 0.3              | 0.3         | 1.6         | 0.0                  | 0.0                                    | —                  | 0.1                            | 0.0                  |
| District of Columbia                  | 7,522      | 0.2          | 1.1                  | 0.0                  | 0.0              | 0.0         | 17.5        | —                    | 0.0                                    | 0.0                | 0.0                            | 0.0                  |
| Florida                               | 197,023    | 0.0          | 0.2                  | 0.0                  | 0.1              | 0.1         | 4.8         | 0.0                  | 0.0                                    | 0.6                | 0.0                            | 0.0                  |
| Georgia                               | 126,717    | 0.0          | 0.5                  | 0.3                  | 0.5              | 0.5         | 8.2         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.0                  |
| Hawaii                                | 17,038     | 0.9          | 1.2                  | 19.6                 | 0.1              | 0.1         | 12.5        | 11.8                 | 10.1                                   | 0.5                | 21.5                           | 23.3                 |
| Idaho                                 | 19,872     | 0.1          | 0.5                  | 0.2                  | 0.5              | 0.6         | 7.1         | 0.2                  | 0.2                                    | 0.4                | 0.5                            | 0.5                  |
| Illinois                              | 182,068    | 0.1          | 0.3                  | 0.0                  | 0.2              | 0.1         | 4.2         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.1                  |
| Indiana                               | 86,031     | 0.4          | 0.4                  | 0.2                  | <sup>3</sup> 0.3 | 0.3         | 2.8         | 0.1                  | 0.2                                    | 0.5                | 0.7                            | 0.7                  |
| Iowa                                  | 37,558     | 0.0          | 0.3                  | 0.1                  | 2.2              | 2.6         | 6.7         | 0.1                  | 0.1                                    | 0.5                | 0.1                            | 0.1                  |
| Kansas                                | 38,782     | 0.0          | 0.4                  | <sup>4</sup> 0.5     | 0.5              | 0.5         | 0.6         | 0.4                  | 0.4                                    | 1.2                | 0.4                            | 0.4                  |
| Kentucky                              | 54,403     | 0.1          | 0.4                  | 5.3                  | 3.8              | 4.4         | 8.5         | 4.0                  | 6.1                                    | 4.2                | 13.0                           | 11.9                 |
| Louisiana                             | 67,136     | 0.0          | 0.3                  | 0.1                  | 0.1              | 0.1         | 5.9         | 0.1                  | 0.1                                    | 0.1                | 0.1                            | 0.1                  |
| Maine                                 | 13,616     | 0.1          | 0.2                  | 0.1                  | 1.7              | 2.1         | 1.7         | 0.0                  | 0.0                                    | 0.2                | 0.1                            | 0.1                  |
| Maryland                              | 71,967     | 0.0          | 0.4                  | 0.0                  | 0.4              | 0.6         | 6.6         | 0.0                  | 0.0                                    | 0.2                | 0.0                            | 0.0                  |
| Massachusetts                         | 80,939     | 0.5          | 0.5                  | 1.0                  | 0.4              | 0.4         | 1.1         | 1.0                  | 1.0                                    | 0.7                | 1.3                            | 1.3                  |
| Michigan                              | 133,607    | 0.3          | 0.5                  | 0.1                  | 2.1              | 2.1         | 9.6         | 0.1                  | 0.1                                    | 0.5                | 0.1                            | 0.3                  |
| Minnesota                             | 65,970     | 0.1          | 0.6                  | 7.2                  | 6.6              | 6.7         | 18.2        | 5.8                  | 6.7                                    | 3.3                | 7.5                            | 7.9                  |
| Mississippi                           | 42,684     | 0.1          | 0.3                  | 0.1                  | 0.2              | 0.3         | 5.1         | 0.0                  | 0.1                                    | 0.3                | 0.1                            | 0.1                  |
| Missouri                              | 75,432     | 0.0          | 0.5                  | 0.1                  | 0.3              | 0.4         | 2.9         | 0.1                  | 0.1                                    | 0.6                | 0.1                            | 0.1                  |
| Montana                               | 10,785     | 0.0          | 0.4                  | 0.1                  | 0.9              | 1.4         | 1.7         | 0.1                  | 0.1                                    | 0.3                | 0.1                            | 0.2                  |
| Nebraska                              | 23,907     | 0.0          | 0.2                  | 0.0                  | 0.8              | 0.8         | 1.7         | 0.0                  | 0.0                                    | 0.3                | 0.1                            | 0.0                  |
| Nevada                                | 29,362     | 0.1          | 1.4                  | 9.4                  | 2.0              | 2.2         | 11.8        | 1.2                  | 6.4                                    | 0.8                | 11.2                           | 11.7                 |
| New Hampshire                         | 14,041     | 0.3          | 0.4                  | 0.1                  | 0.3              | 0.3         | 4.1         | 0.1                  | 0.1                                    | 0.3                | 0.1                            | 0.1                  |
| New Jersey                            | 114,105    | 0.1          | 0.3                  | 1.2                  | 0.6              | 0.8         | 7.2         | 0.1                  | 0.8                                    | 0.4                | 24.8                           | 1.7                  |
| New Mexico                            | 27,191     | 0.3          | 3.3                  | 0.1                  | 2.4              | 2.4         | 11.1        | 0.0                  | 0.0                                    | 0.6                | 0.2                            | ---                  |
| New York                              | 255,612    | 0.1          | 0.2                  | 1.3                  | <sup>3</sup> 0.2 | 0.2         | 9.7         | 0.2                  | 0.4                                    | 0.3                | <sup>7</sup> 0.9               | 0.9                  |
| North Carolina                        | 113,795    | 0.1          | 0.4                  | 0.0                  | 0.2              | 0.2         | 2.5         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.0                  |
| North Dakota                          | 7,639      | 0.1          | 0.3                  | 0.4                  | 0.7              | 1.2         | 1.6         | 0.3                  | 0.3                                    | 1.3                | 0.6                            | 0.5                  |
| Ohio                                  | 152,584    | 0.1          | 0.2                  | 0.1                  | 0.4              | 0.4         | 2.8         | 0.1                  | 0.1                                    | 0.6                | 0.1                            | 0.1                  |
| Oklahoma                              | 49,010     | 0.6          | 6.1                  | 37.9                 | 28.7             | 29.0        | 37.9        | 33.9                 | 37.0                                   | 28.9               | 40.9                           | 41.2                 |
| Oregon                                | 45,204     | 0.0          | 0.5                  | 1.0                  | 0.9              | 1.0         | 3.3         | 0.0                  | 0.0                                    | 0.3                | 0.1                            | 0.1                  |
| Pennsylvania                          | 145,347    | 0.1          | 0.4                  | 0.1                  | 0.6              | 0.7         | 9.3         | 0.0                  | 0.0                                    | 0.0                | 0.6                            | 0.5                  |
| Rhode Island                          | 12,366     | 0.5          | 0.4                  | 6.8                  | 2.8              | 2.9         | 12.3        | 6.5                  | 6.6                                    | 0.4                | 14.7                           | 14.7                 |

See footnotes at end of table.

**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 1999—Con.**

[By place of residence]

| Area  | All births | Birth-weight | 5-minute Apgar score | Medical risk factors | Tobacco use        | Alcohol use        | Weight gain | Obstetric procedures | Complications of labor and/or delivery | Method of delivery | Abnormal conditions of newborn | Congenital anomalies |
|---|------------|--------------|----------------------|----------------------|--------------------|--------------------|-------------|----------------------|--|--------------------|--------------------------------|----------------------|
| South Carolina . . . . .                                | 54,948     | 0.0          | 0.3                  | 0.0                  | 0.2                | 0.2                | 2.6         | 0.0                  | 0.0                                    | 0.4                | 0.0                            | 0.0                  |
| South Dakota . . . . .                                  | 10,524     | 0.0          | 0.4                  | 0.1                  | ---                | ---                | 1.1         | 0.1                  | 0.0                                    | 0.1                | 0.0                            | 0.0                  |
| Tennessee . . . . .                                     | 77,803     | 0.0          | 0.3                  | 0.1                  | 0.2                | 0.2                | 5.5         | 0.1                  | 0.1                                    | 0.6                | 0.1                            | 0.1                  |
| Texas . . . . .   | 349,245    | 0.1          | ---                  | <sup>5</sup> 1.4     | 1.4                | 1.4                | 18.5        | 0.0                  | <sup>8</sup> 0.0                       | 0.9                | <sup>6</sup> 0.3               | 0.4                  |
| Utah . . . . .  | 46,290     | 0.1          | 0.4                  | 0.1                  | 0.3                | 0.4                | 3.8         | 0.0                  | 0.0                                    | 0.0                | 0.2                            | 0.2                  |
| Vermont . . . . .                                       | 6,567      | 0.3          | 0.4                  | 0.2                  | 0.4                | 0.4                | 1.4         | 0.2                  | 0.2                                    | 0.1                | 0.3                            | 0.2                  |
| Virginia . . . . .                                      | 95,469     | 0.1          | 0.3                  | 0.2                  | 0.0                | 0.0                | 2.2         | 0.0                  | 0.2                                    | 0.3                | 0.5                            | 0.3                  |
| Washington . . . . .                                    | 79,586     | 1.2          | 0.9                  | 16.3                 | 6.5                | 16.1               | 26.1        | 12.8                 | 15.5                                   | 0.5                | 20.3                           | 17.8                 |
| West Virginia . . . . .                                 | 20,728     | 0.1          | 0.3                  | 1.0                  | 1.5                | 3.2                | 8.9         | 0.2                  | 1.3                                    | 0.4                | 2.6                            | 2.5                  |
| Wisconsin . . . . .                                     | 68,208     | 0.0          | 0.4                  | 0.1                  | 0.1                | 0.1                | 1.8         | 0.1                  | 0.1                                    | 0.0                | <sup>9</sup> 0.1               | 0.1                  |
| Wyoming . . . . .                                       | 6,129      | 0.0          | 0.5                  | 0.0                  | 1.1                | 1.2                | 2.6         | 0.0                  | 0.0                                    | 0.2                | 0.0                            | 0.0                  |
| Puerto Rico . . . . .                                   | 59,563     | 0.0          | 0.1                  | 0.0                  | 0.0                | 0.0                | 0.1         | 0.0                  | 0.1                                    | 0.0                | 0.1                            | 0.1                  |
| Virgin Islands . . . . .                                | 1,671      | 0.2          | 3.3                  | 7.2                  | 1.7                | 1.8                | 7.8         | 2.0                  | 8.2                                    | 2.7                | 8.0                            | 7.4                  |
| Guam . . . . .  | 4,021      | 0.2          | 1.6                  | 2.8                  | 0.8                | 0.9                | 5.1         | 1.1                  | 3.5                                    | 0.6                | 2.9                            | 2.8                  |
| American Samoa . . . . .                                | 1,736      | —            | ---                  | ---                  | ---                | ---                | ---         | ---                  | ---                                    | ---                | ---                            | ---                  |
| Commonwealth of the Northern Marianas Islands . . . . . | 1,381      | 5.8          | 10.4                 | ---                  | <sup>10</sup> 16.0 | <sup>10</sup> 16.1 | ---         | ---                  | ---                                    | 9.8                | ---                            | ---                  |

0.0 Quantity more than zero but less than 0.05.

--- Data not available.

— Quantity zero.

<sup>1</sup>Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas.

<sup>2</sup>California reports date last normal menses began but does not report clinical estimate of gestation.

<sup>3</sup>Indiana and New York State report tobacco use but do not report the average number of cigarettes smoked per day in standard categories; data for New York City are reported in standard categories.

<sup>4</sup>Kansas does not report Rh sensitization.

<sup>5</sup>Texas does not report genital herpes and uterine bleeding.

<sup>6</sup>Nebraska and Texas do not report birth injury.

<sup>7</sup>New York City does not report assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more.

<sup>8</sup>Texas does not report anesthetic complications and fetal distress.

<sup>9</sup>Wisconsin does not report fetal alcohol syndrome.

<sup>10</sup>The Commonwealth of the Northern Marianas reports tobacco and alcohol use, but does not report the average number of cigarettes smoked per day or the average number of drinks per day.

question about the mother's marital status. Beginning in 1997, the marital status of women giving birth in California and Nevada is determined by a direct question in the birth registration process. Beginning June 15, 1998, Connecticut discontinued inferring the mother's marital status and added a direct question on mother's marital status to the State's birth certificate.

In the two States (Michigan and New York) that use inferential procedures to compile birth statistics by marital status in 1999, a birth is inferred as nonmarital if either of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of States have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment therefore is the most reliable indicator that the birth is nonmarital in the States not reporting this information directly; this is now the key indicator in the nonreporting States. The inferential procedures in effect since 1980 represent a substantial departure from the method used before 1980 to prepare national estimates of births to unmarried women, which assumed that the incidence of births to unmarried women in States with no direct question on marital status was the same as the incidence in reporting States in the same geographic division (24, 94).

Because of the continued substantial increases in nonmarital childbearing throughout the 1980's and early 1990's, along with the changes in reporting procedures throughout the last two decades, the data have been intensively evaluated by the Division of Vital Statistics, NCHS. The results of this evaluation show that trends in birth rates for unmarried women computed on the basis of estimated data and on the basis of inferred data are essentially the same. Details of the changes in reporting procedures are described in previous reports (24, 94).

The mother's marital status was not reported in 1999 on 0.03 percent of the birth records in the 48 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

### Tobacco use

Beginning in 1999, data on whether or not the mother smoked during pregnancy is available for the District of Columbia and all States except for California and South Dakota. These areas comprised 87 percent of U.S. births in 1999. Data on the number of cigarettes smoked daily were available in a comparable format for 46 States, the District of Columbia, and New York City. Indiana and New York State (except for New York City) reported information on number of cigarettes smoked in a format that was inconsistent with the NCHS standard (see [figure I](#)). The areas reporting on the number of cigarettes smoked comprised 82 percent of U.S. births in 1999.

### Prenatal care

As a result of a programming error, the proportions presented in "Report of Final Natality Statistics, 1996" and "Births: Final Data for 1997" for the Adequacy of Prenatal Care Utilization Index (APNCU) are incorrect for levels of care other than intensive use of care (19, 20, 95). Levels for the adequate care category are only slightly different from those published previously. The corrected APNCU levels for 1990 and 1995-97 are presented in this report.

## Gestation

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother's last normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of postconception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages that are clearly inconsistent with the infant's plurality and birthweight (see below), but reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations (96, 97).

The U.S. Standard Certificate of Live Birth includes an item, "clinical estimate of gestation," that is being compared with length of gestation computed from the date the last normal menstrual period (LMP) began when the latter appears to be inconsistent with birthweight. This is done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The clinical estimate was also used if the LMP date was not reported. The period of gestation for 5.1 percent of the births in 1999 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used, and birthweight was reclassified as "not stated." This was necessary for fewer than 350 births or less than 0.01 percent of all birth records in 1999. The levels of the adjustments in 1999 data were similar to those for 1998 and earlier years (21).

## Birthweight

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. Equivalents of the gram weights in terms of pounds and ounces are as follows:

|                     |                         |
|---------------------|-------------------------|
| Less than 500 grams | = 1 lb, 1 oz or less    |
| 500-999 grams       | = 1 lb 2 oz-2 lb 3 oz   |
| 1,000-1,499 grams   | = 2 lb 4 oz-3 lb 4 oz   |
| 1,500-1,999 grams   | = 3 lb 5 oz-4 lb 6 oz   |
| 2,000-2,499 grams   | = 4 lb 7 oz-5 lb 8 oz   |
| 2,500-2,999 grams   | = 5 lb 9 oz-6 lb 9 oz   |
| 3,000-3,499 grams   | = 6 lb 10 oz-7 lb 11 oz |
| 3,500-3,999 grams   | = 7 lb 12 oz-8 lb 13 oz |
| 4,000-4,499 grams   | = 8 lb 14 oz-9 lb 14 oz |
| 4,500-4,999 grams   | = 9 lb 15 oz-11 lb 0 oz |
| 5,000 grams or more | = 11 lb 1 oz or more    |

## Method of delivery

Several rates are computed for method of delivery. The overall cesarean section rate or *total cesarean* rate is computed as the percent of all births that were delivered by cesarean section. The *primary cesarean* rate is a measure that relates the number of women having a first cesarean delivery to all women giving birth who

|   |   |  |
|---|---|--|
| <p><b>38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY</b><br/><i>(Check all that apply)</i></p> <p>Anemia (Hct. &lt;30/Hgb. &lt;10) . . . . . 01 <input type="checkbox"/></p> <p>Cardiac disease . . . . . 02 <input type="checkbox"/></p> <p>Acute or chronic lung disease . . . . . 03 <input type="checkbox"/></p> <p>Diabetes . . . . . 04 <input type="checkbox"/></p> <p>Genital herpes . . . . . 05 <input type="checkbox"/></p> <p>Hydramnios/Oligohydramnios . . . . . 06 <input type="checkbox"/></p> <p>Hemoglobinopathy . . . . . 07 <input type="checkbox"/></p> <p>Hypertension, chronic . . . . . 08 <input type="checkbox"/></p> <p>Hypertension, pregnancy-associated . . . . . 09 <input type="checkbox"/></p> <p>Eclampsia . . . . . 10 <input type="checkbox"/></p> <p>Incompetent cervix . . . . . 11 <input type="checkbox"/></p> <p>Previous infant 4000+ grams . . . . . 12 <input type="checkbox"/></p> <p>Previous preterm or small-for-gestational-age infant . . . . . 13 <input type="checkbox"/></p> <p>Renal disease . . . . . 14 <input type="checkbox"/></p> <p>Rh sensitization . . . . . 15 <input type="checkbox"/></p> <p>Uterine bleeding . . . . . 16 <input type="checkbox"/></p> <p>None . . . . . 00 <input type="checkbox"/></p> <p>Other _____ 17 <input type="checkbox"/></p> <p><i>(Specify)</i></p> | <p><b>40. COMPLICATIONS OF LABOR AND/OR DELIVERY</b><br/><i>(Check all that apply)</i></p> <p>Febrile (&gt;100°F. or 38°C.) . . . . . 01 <input type="checkbox"/></p> <p>Meconium, moderate/heavy . . . . . 02 <input type="checkbox"/></p> <p>Premature rupture of membrane (&gt;12 hours) . . . . . 03 <input type="checkbox"/></p> <p>Abruptio placenta . . . . . 04 <input type="checkbox"/></p> <p>Placenta previa . . . . . 05 <input type="checkbox"/></p> <p>Other excessive bleeding . . . . . 06 <input type="checkbox"/></p> <p>Seizures during labor . . . . . 07 <input type="checkbox"/></p> <p>Precipitous labor (&lt;3 hours) . . . . . 08 <input type="checkbox"/></p> <p>Prolonged labor (&gt;20 hours) . . . . . 09 <input type="checkbox"/></p> <p>Dysfunctional labor . . . . . 10 <input type="checkbox"/></p> <p>Breech/Malpresentation . . . . . 11 <input type="checkbox"/></p> <p>Cephalopelvic disproportion . . . . . 12 <input type="checkbox"/></p> <p>Cord prolapse . . . . . 13 <input type="checkbox"/></p> <p>Anesthetic complications . . . . . 14 <input type="checkbox"/></p> <p>Fetal distress . . . . . 15 <input type="checkbox"/></p> <p>None . . . . . 00 <input type="checkbox"/></p> <p>Other _____ 16 <input type="checkbox"/></p> <p><i>(Specify)</i></p> | <p><b>43. CONGENITAL ANOMALIES OF CHILD</b><br/><i>(Check all that apply)</i></p> <p>Anencephalus . . . . . 01</p> <p>Spina bifida/Meningocele . . . . . 02</p> <p>Hydrocephalus . . . . . 03</p> <p>Microcephalus . . . . . 04</p> <p>Other central nervous system anomalies<br/><i>(Specify)</i> _____ 05</p> <p>Heart malformations . . . . . 06</p> <p>Other circulatory/respiratory anomalies<br/><i>(Specify)</i> _____ 07</p> <p>Rectal atresia/stenosis . . . . . 08</p> <p>Tracheo-esophageal fistula/ Esophageal atresia . . . . . 09</p> <p>Omphalocele/ Gastroschisis . . . . . 10</p> <p>Other gastrointestinal anomalies<br/><i>(Specify)</i> _____ 11</p> <p>Malformed genitalia . . . . . 12</p> <p>Renal agenesis . . . . . 13</p> <p>Other urogenital anomalies<br/><i>(Specify)</i> _____ 14</p> <p>Cleft lip/palate . . . . . 15</p> <p>Polydactyly/Syndactyly/Adactyly . . . . . 16</p> <p>Club foot . . . . . 17</p> <p>Diaphragmatic hernia . . . . . 18</p> <p>Other musculoskeletal/integumental anomalies<br/><i>(Specify)</i> _____ 19</p> <p>Down's syndrome . . . . . 20</p> <p>Other chromosomal anomalies<br/><i>(Specify)</i> _____ 21</p> <p>None . . . . . 00</p> <p>Other _____ 22<br/><i>(Specify)</i></p> |
| <p><b>38b. OTHER RISK FACTORS FOR THIS PREGNANCY</b><br/><i>(Complete all items)</i></p> <p>Tobacco use during pregnancy . . . . . Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Average number cigarettes per day _____</p> <p>Alcohol use during pregnancy . . . . . Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Average number drinks per week _____</p> <p>Weight gained during pregnancy _____ lbs.</p>  | <p><b>41. METHOD OF DELIVERY</b> <i>(Check all that apply)</i></p> <p>Vaginal . . . . . 01 <input type="checkbox"/></p> <p>Vaginal birth after previous C-section . . . . . 02 <input type="checkbox"/></p> <p>Primary C-section . . . . . 03 <input type="checkbox"/></p> <p>Repeat C-section . . . . . 04 <input type="checkbox"/></p> <p>Forceps . . . . . 05 <input type="checkbox"/></p> <p>Vacuum . . . . . 06 <input type="checkbox"/></p>   | <p><b>42. ABNORMAL CONDITIONS OF THE NEWBORN</b><br/><i>(Check all that apply)</i></p> <p>Anemia (Hct. &lt;39/Hgb. &lt;13) . . . . . 01 <input type="checkbox"/></p> <p>Birth injury . . . . . 02 <input type="checkbox"/></p> <p>Fetal alcohol syndrome . . . . . 03 <input type="checkbox"/></p> <p>Hyaline membrane disease/RDS . . . . . 04 <input type="checkbox"/></p> <p>Meconium aspiration syndrome . . . . . 05 <input type="checkbox"/></p> <p>Assisted ventilation &lt;30 min . . . . . 06 <input type="checkbox"/></p> <p>Assisted ventilation ≥30 min . . . . . 07 <input type="checkbox"/></p> <p>Seizures . . . . . 08 <input type="checkbox"/></p> <p>None . . . . . 00 <input type="checkbox"/></p> <p>Other _____ 09 <input type="checkbox"/></p> <p><i>(Specify)</i></p>   |
| <p><b>39. OBSTETRIC PROCEDURES</b><br/><i>(Check all that apply)</i></p> <p>Amniocentesis . . . . . 01 <input type="checkbox"/></p> <p>Electronic fetal monitoring . . . . . 02 <input type="checkbox"/></p> <p>Induction of labor . . . . . 03 <input type="checkbox"/></p> <p>Stimulation of labor . . . . . 04 <input type="checkbox"/></p> <p>Tocolysis . . . . . 05 <input type="checkbox"/></p> <p>Ultrasound . . . . . 06 <input type="checkbox"/></p> <p>None . . . . . 00 <input type="checkbox"/></p> <p>Other _____ 07 <input type="checkbox"/></p> <p><i>(Specify)</i></p>  |   |  |

Figure I. Selected maternal and infant health items from the 1989 revision of the U.S. Standard Certificate of Live Birth

have never had a cesarean delivery. The denominator for this rate includes all births less those with method of delivery classified as repeat cesarean, vaginal birth after previous cesarean, or method not stated. The rate for *vaginal birth after previous cesarean* (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean section. The proportion of cesarean deliveries among births in Hawaii in 1999 is believed to be substantially understated because of incomplete reporting of method of delivery in some hospitals.

**Computations of percents, percent distributions, medians, and means**

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percents, percent distributions, and medians were computed. The percent of records with missing information for each item is shown by State in [table I](#). The median number of prenatal visits also excludes births to mothers who had no prenatal care. Computations of the median years of school completed and the median number of prenatal visits were based on ungrouped data. The median age of mother is computed from birth rates in 5-year age groups, which eliminates the effects of changes in the age composition of the childbearing population over time. The mean age of father is computed from frequencies of births where age of father not stated

is distributed in the same proportions as births with known age for each 5 year age classification of mother. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

**Population denominators**

Birth and fertility rates for 1999 shown in [tables 1, 3–6, 8, 9, 13, and 14](#) are based on populations estimated as of July 1, 1999. These populations are shown in [tables II and III](#). The population estimates have been published by the U.S. Census Bureau (6) and are based on the 1990 census counts by race and age, which were modified to be consistent with Office of Management and Budget racial categories and historical categories for birth data, and in the case of age, to reflect age as of the census reference date. The modification procedures are described in detail in a census report (98).

Birth and fertility rates by State shown in [table 10](#) are based on State-level population estimates provided by the U.S. Census Bureau that are consistent with the U.S. populations (99). Rates by State shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates by month shown in [table 15](#) are based on monthly population estimates also based on the 1999 estimates. Rates for unmarried women shown in [tables 17 and 18](#) are based on distributions of the population by marital status as of March 1999 provided by the U.S. Census Bureau (23), which have been



**Table II. Estimated total population by race, and estimated female population by age and race: United States, 1999**

[Populations estimated as of July 1]

| Age                        | All races   | White       | Black      | American Indian | Asian or Pacific Islander |
|----------------------------|-------------|-------------|------------|-----------------|---------------------------|
| Total population . . . . . | 272,690,813 | 224,610,797 | 34,862,169 | 2,397,426       | 10,820,421                |
| Female population          |             |             |            |                 |                           |
| 15-44 years . . . . .      | 60,107,320  | 48,137,939  | 8,638,842  | 576,624         | 2,753,915                 |
| 10-14 years . . . . .      | 9,536,777   | 7,495,621   | 1,518,163  | 122,247         | 400,746                   |
| 15-19 years . . . . .      | 9,596,926   | 7,578,366   | 1,495,511  | 116,732         | 406,317                   |
| 15-17 years . . . . .      | 5,703,781   | 4,500,884   | 882,758    | 72,134          | 248,005                   |
| 18-19 years . . . . .      | 3,893,145   | 3,077,482   | 612,753    | 44,598          | 158,312                   |
| 20-24 years . . . . .      | 8,842,537   | 6,995,196   | 1,363,289  | 96,464          | 387,588                   |
| 25-29 years . . . . .      | 9,153,808   | 7,215,552   | 1,362,369  | 94,172          | 481,715                   |
| 30-34 years . . . . .      | 9,955,716   | 7,942,520   | 1,419,010  | 88,606          | 505,580                   |
| 35-39 years . . . . .      | 11,328,875  | 9,201,352   | 1,536,944  | 92,576          | 498,003                   |
| 40-44 years . . . . .      | 11,229,458  | 9,204,953   | 1,461,719  | 88,074          | 474,712                   |
| 45-49 years . . . . .      | 9,855,557   | 8,158,465   | 1,213,898  | 73,738          | 409,456                   |

SOURCE: U.S. Census Bureau. U.S. population estimates by age, sex, race, and Hispanic origin: 1980 to 1999. Washington, DC: U.S. Census Bureau. Internet release, April 11, 2000. [http://www.census.gov/population/www/estimates/nat\\_90s\\_1.html](http://www.census.gov/population/www/estimates/nat_90s_1.html)

**Table III. Estimated total population by specified Hispanic origin and estimated female population by age and specified Hispanic origin and by race for women of non-Hispanic origin: United States, 1999**

[Populations estimated as of July 1]

| Age                        | Hispanic   |            |              |           |                             | Non-Hispanic       |             |            |
|----------------------------|------------|------------|--------------|-----------|-----------------------------|--------------------|-------------|------------|
|                            | Total      | Mexican    | Puerto Rican | Cuban     | Other Hispanic <sup>1</sup> | Total <sup>2</sup> | White       | Black      |
| Total population . . . . . | 31,337,161 | 20,488,782 | 2,945,172    | 1,344,410 | 6,558,797                   | 241,353,656        | 196,049,405 | 33,092,411 |
| Female population          |            |            |              |           |                             |                    |             |            |
| 15-44 years . . . . .      | 7,491,138  | 4,843,368  | 735,357      | 255,399   | 1,657,014                   | 52,616,183         | 41,327,758  | 8,209,248  |
| 10-14 years . . . . .      | 1,339,244  | 897,933    | 139,303      | 34,282    | 267,726                     | 8,197,533          | 6,284,953   | 1,439,907  |
| 15-19 years . . . . .      | 1,335,286  | 908,706    | 148,558      | 36,152    | 241,870                     | 8,261,640          | 6,364,388   | 1,421,531  |
| 15-17 years . . . . .      | 786,999    | 550,024    | 86,988       | 22,588    | 127,399                     | 4,916,784          | 3,786,782   | 838,952    |
| 18-19 years . . . . .      | 548,287    | 358,682    | 61,570       | 13,564    | 114,471                     | 3,344,856          | 2,577,606   | 582,579    |
| 20-24 years . . . . .      | 1,295,002  | 875,033    | 110,189      | 33,722    | 276,058                     | 7,547,530          | 5,811,775   | 1,293,089  |
| 25-29 years . . . . .      | 1,250,837  | 860,673    | 106,482      | 39,415    | 244,267                     | 7,902,976          | 6,076,568   | 1,293,184  |
| 30-34 years . . . . .      | 1,284,875  | 804,502    | 133,857      | 49,786    | 296,730                     | 8,670,838          | 6,776,864   | 1,342,837  |
| 35-39 years . . . . .      | 1,255,045  | 736,515    | 132,791      | 51,231    | 334,508                     | 10,073,832         | 8,062,785   | 1,461,473  |
| 40-44 years . . . . .      | 1,070,093  | 657,939    | 103,480      | 45,093    | 263,581                     | 10,159,367         | 8,235,378   | 1,397,134  |
| 45-49 years . . . . .      | 838,951    | 486,298    | 87,892       | 44,731    | 220,030                     | 9,016,608          | 7,397,436   | 1,163,815  |

<sup>1</sup>Includes Central and South American and other and unknown Hispanic.

<sup>2</sup>Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau. Totals for Hispanic population and non-Hispanic population by race are consistent with figures published in: U.S. Census Bureau. U.S. population estimates by age, sex, race, and Hispanic origin: 1980 to 1999. Washington, DC: U.S. Census Bureau. Internet release, April 11, 2000. [http://www.census.gov/population/www/estimates/nat\\_90s\\_1.html](http://www.census.gov/population/www/estimates/nat_90s_1.html)

adjusted to July 1999 population levels (6) by the Division of Vital Statistics, NCHS (24, 94).

Birth and fertility rates for the Hispanic population, shown in tables 6, 8, 9, and 14, are based on estimates of the total Hispanic population as of July 1, 1999 (6). Rates for Hispanic subgroups are based on special population estimates that are presented in table III in the Technical notes (100). More information about the populations for Hispanic subgroups is presented elsewhere (4).

### Computation of rates

In computing birth rates by live-birth order, births with birth order not stated were distributed in the same proportion as births of known live-birth order. This procedure is done separately by race.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the U.S. Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (1.2 percent) were actually to Hispanic mothers (see table I). In computing the rates, the census-based populations with origin not stated are imputed. The effect on the rates is believed to be small.

*Age of father*—Information on age of father is often missing on birth certificates of children born to unmarried women (table I). In computing birth rates by age of father, births where age of father is not stated are distributed in the same proportions as births with known age within each 5-year age classification of mother. This procedure is followed because, while father's age is missing on 14 percent of the

birth certificates, nearly one third of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

### Graphic presentation

Trend data shown in figures 2–4, 6, 7, and 9 are plotted using a logarithmic scale. This approach is taken to facilitate comparison of the relative change in rates over time for each series of rates as well as the differentials among rates for different series. The trend lines in figure 2, for example, show that women 40–44 years of age experienced the most change of any group over the period, and also that they had the greatest increase in rates since 1985.

### Random variation and significance testing for natality data

The number of births reported for an area is essentially a complete count, because more than 99 percent of all births are registered. Although this number is not subject to sampling error, it may be affected by nonsampling errors such as mistakes in recording the mother's residence or age during the registration process.

When the number of births is used for analytic purposes the number of events that *actually* occurred can be thought of as one in a large series of possible results that *could have* occurred under the same circumstances. When considered in this way, the number of births is subject to random variation. The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

The **confidence interval** is the range of values for the number of births, birth rates, or percent of births that you could expect in 95 out of 100 cases. The **confidence limits** are the end points of this range of values (the highest and lowest values). Confidence limits tell you how much the number of events or rates could vary under similar circumstances.

Confidence limits for numbers, rates, and percents can be estimated from the actual number of events. Procedures differ for rates and percents and also differ depending on the number of births on which these statistics are based. Below are detailed procedures and examples for each type of case.

#### 95-percent confidence limits for numbers less than 100

When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution. Confidence limits are estimated using the following formulas:

$$\text{Lower limit} = B \times L$$

$$\text{Upper limit} = B \times U$$

where

$$B = \text{number of births}$$

$L$  = value in table IV that corresponds to the number  $B$

$U$  = value in table IV that corresponds to the number  $B$

#### Example

Suppose that the number of first births to American Indian women 40–44 years of age was 47. The confidence limits for this number would be:

$$\begin{aligned} \text{Lower limit} &= B \times L \\ &= 47 \times 0.73476 \\ &= 35 \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= B \times U \\ &= 47 \times 1.32979 \\ &= 63 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to American Indian women 40–44 years of age would lie between 35 and 63.

#### 95-percent confidence limits for numbers of 100 or more

When the number of events is greater than 100, the data are assumed to be approximately normally distributed. Formulas for 95-percent confidence limits are:

$$\text{Lower limit} = B - (1.96 \times \sqrt{B})$$

$$\text{Upper limit} = B + (1.96 \times \sqrt{B})$$

where

$$B = \text{number of births}$$

#### Example

Suppose that the number of first births to white women 40–44 years of age was 14,108. The 95-percent confidence limits for this number would be:

$$\begin{aligned} \text{Lower limit} &= 14,108 - (1.96 \times \sqrt{14,108}) \\ &= 14,108 - 233 \\ &= 13,875 \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= 14,108 + (1.96 \times \sqrt{14,108}) \\ &= 14,108 + 233 \\ &= 14,341 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to white women 40–44 years of age would lie between 13,875 and 14,341.

### Computing confidence intervals for rates

The same statistical assumptions can be used to estimate the variability in birth rates. Again, one formula is used for rates based on numbers of events less than 100, and another formula for rates based on numbers of 100 or greater. For our purposes, assume that the denominators of these rates (the population estimates) have no

**Table IV. Values of *L* and *U* for calculating 95-percent confidence limits for numbers of events and rates when the number of events is less than 100**

| <i>N</i> | <i>L</i> | <i>U</i> | <i>N</i> | <i>L</i> | <i>U</i> |
|----------|----------|----------|----------|----------|----------|
| 1        | 0.02532  | 5.57164  | 51       | 0.74457  | 1.31482  |
| 2        | 0.12110  | 3.61234  | 52       | 0.74685  | 1.31137  |
| 3        | 0.20622  | 2.92242  | 53       | 0.74907  | 1.30802  |
| 4        | 0.27247  | 2.56040  | 54       | 0.75123  | 1.30478  |
| 5        | 0.32470  | 2.33367  | 55       | 0.75334  | 1.30164  |
| 6        | 0.36698  | 2.17658  | 56       | 0.75539  | 1.29858  |
| 7        | 0.40205  | 2.06038  | 57       | 0.75739  | 1.29562  |
| 8        | 0.43173  | 1.97040  | 58       | 0.75934  | 1.29273  |
| 9        | 0.45726  | 1.89831  | 59       | 0.76125  | 1.28993  |
| 10       | 0.47954  | 1.83904  | 60       | 0.76311  | 1.28720  |
| 11       | 0.49920  | 1.78928  | 61       | 0.76492  | 1.28454  |
| 12       | 0.51671  | 1.74680  | 62       | 0.76669  | 1.28195  |
| 13       | 0.53246  | 1.71003  | 63       | 0.76843  | 1.27943  |
| 14       | 0.54671  | 1.67783  | 64       | 0.77012  | 1.27698  |
| 15       | 0.55969  | 1.64935  | 65       | 0.77178  | 1.27458  |
| 16       | 0.57159  | 1.62394  | 66       | 0.77340  | 1.27225  |
| 17       | 0.58254  | 1.60110  | 67       | 0.77499  | 1.26996  |
| 18       | 0.59266  | 1.58043  | 68       | 0.77654  | 1.26774  |
| 19       | 0.60207  | 1.56162  | 69       | 0.77806  | 1.26556  |
| 20       | 0.61083  | 1.54442  | 70       | 0.77955  | 1.26344  |
| 21       | 0.61902  | 1.52861  | 71       | 0.78101  | 1.26136  |
| 22       | 0.62669  | 1.51401  | 72       | 0.78244  | 1.25933  |
| 23       | 0.63391  | 1.50049  | 73       | 0.78384  | 1.25735  |
| 24       | 0.64072  | 1.48792  | 74       | 0.78522  | 1.25541  |
| 25       | 0.64715  | 1.47620  | 75       | 0.78656  | 1.25351  |
| 26       | 0.65323  | 1.46523  | 76       | 0.78789  | 1.25165  |
| 27       | 0.65901  | 1.45495  | 77       | 0.78918  | 1.24983  |
| 28       | 0.66449  | 1.44528  | 78       | 0.79046  | 1.24805  |
| 29       | 0.66972  | 1.43617  | 79       | 0.79171  | 1.24630  |
| 30       | 0.67470  | 1.42756  | 80       | 0.79294  | 1.24459  |
| 31       | 0.67945  | 1.41942  | 81       | 0.79414  | 1.24291  |
| 32       | 0.68400  | 1.41170  | 82       | 0.79533  | 1.24126  |
| 33       | 0.68835  | 1.40437  | 83       | 0.79649  | 1.23965  |
| 34       | 0.69253  | 1.39740  | 84       | 0.79764  | 1.23807  |
| 35       | 0.69654  | 1.39076  | 85       | 0.79876  | 1.23652  |
| 36       | 0.70039  | 1.38442  | 86       | 0.79987  | 1.23499  |
| 37       | 0.70409  | 1.37837  | 87       | 0.80096  | 1.23350  |
| 38       | 0.70766  | 1.37258  | 88       | 0.80203  | 1.23203  |
| 39       | 0.71110  | 1.36703  | 89       | 0.80308  | 1.23059  |
| 40       | 0.71441  | 1.36172  | 90       | 0.80412  | 1.22917  |
| 41       | 0.71762  | 1.35661  | 91       | 0.80514  | 1.22778  |
| 42       | 0.72071  | 1.35171  | 92       | 0.80614  | 1.22641  |
| 43       | 0.72370  | 1.34699  | 93       | 0.80713  | 1.22507  |
| 44       | 0.72660  | 1.34245  | 94       | 0.80810  | 1.22375  |
| 45       | 0.72941  | 1.33808  | 95       | 0.80906  | 1.22245  |
| 46       | 0.73213  | 1.33386  | 96       | 0.81000  | 1.22117  |
| 47       | 0.73476  | 1.32979  | 97       | 0.81093  | 1.21992  |
| 48       | 0.73732  | 1.32585  | 98       | 0.81185  | 1.21868  |
| 49       | 0.73981  | 1.32205  | 99       | 0.81275  | 1.21746  |
| 50       | 0.74222  | 1.31838  |          |          |          |

error. While this assumption is technically correct *only* for denominators based on the census that occurs every 10 years, the error in intercensal population estimates is usually small, difficult to measure, and therefore not considered.

#### 95-percent confidence limits for rates based on less than 100 events

When the number of events in the numerator is less than 20, an asterisk is shown in place of the rate because there were too few births to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100, the confidence interval for a rate can be estimated using the two formulas that follow and the values in [table IV](#).

$$\text{Lower limit} = R \times L$$

$$\text{Upper limit} = R \times U$$

where

*R* = birth rate

*L* = value in [table IV](#) that corresponds to the number *B* in the numerator of the rate

*U* = value in [table IV](#) that corresponds to the number *B* in the numerator of the rate

#### Example

Suppose that the first birth rate for American Indian women 40–44 years of age was 0.54 per 1,000, based on 47 births in the numerator. Using [table IV](#):

$$\text{Lower limit} = 0.54 \times 0.73476 = .40$$

$$\text{Upper limit} = 0.54 \times 1.32979 = .72$$

This means that the chances are 95 out of 100 that the actual first birth rate for American Indian women 40–44 years of age lies between .40 and .72.

**95-percent confidence limits for rates when the numerator is 100 or more**

In this case, use the following formula for the birth rate *R* based on the number of births *B*:

$$\text{Lower limit} = R - [1.96 \times (R / \sqrt{B})]$$

$$\text{Upper limit} = R + [1.96 \times (R / \sqrt{B})]$$

where

- R* = the birth rate
- B* = the number of births

**Example**

Suppose that the first birth rate for white women 40–44 years of age was 1.55 per 1,000, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= 1.55 - [1.96 \times (1.55 / \sqrt{14,108})] \\ &= 1.55 - .026 \\ &= 1.52 \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= 1.55 + [1.96 \times (1.55 / \sqrt{14,108})] \\ &= 1.55 + .026 \\ &= 1.58 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for white women 40–44 years of age lies between 1.52 and 1.58.

**Computing 95-percent confidence intervals for percents**

In many instances we need to compute the confidence intervals for percents. Percents derive from a binomial distribution. As with birth rates, an asterisk will be shown for any percent that is based on fewer than 20 births in the numerator. We easily compute a 95-percent confidence interval for a percent when the following conditions are met:

$$B \times p \geq 5 \text{ and } B \times q \geq 5$$

where

- B* = number of births in the denominator
- p* = percent divided by 100
- q* = 1 – *p*

For natality data, these conditions will be met except for very rare events in small subgroups. If the conditions are *not* met, the variation in the percent will be so large as to render the confidence intervals meaningless. When these conditions are met the 95-percent confidence interval can be computed using the normal approximation of the binomial. The 95-percent confidence intervals are computed by the following formulas:

$$\text{Lower limit} = p - [1.96 \times (\sqrt{p \times q / B})]$$

$$\text{Upper limit} = p + [1.96 \times (\sqrt{p \times q / B})]$$

where

- p* = percent divided by 100
- q* = 1 – *p*
- B* = number of births in the denominator

**Example**

Suppose that the percent of births to Hispanic women in Alabama that were to unmarried women was 23.0 percent. This was based on 310 births in the numerator and 1,345 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

$$\begin{aligned} 1,345 \times .230 &= 309 \\ 1,345 \times (1 - .230) &= 1,345 \times .770 = 1,036 \end{aligned}$$

Both 309 and 1,036 are greater than 5 so we can proceed. The 95-percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= .23 - \left( 1.96 \sqrt{\frac{.23(.77)}{1,345}} \right) \\ &= .23 - .022 \\ &= .208, \text{ or } 20.8 \text{ percent} \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= .23 + \left( 1.96 \sqrt{\frac{.23(.77)}{1,345}} \right) \\ &= .23 + .022 \\ &= .252, \text{ or } 25.2 \text{ percent} \end{aligned}$$

This means that the chances are 95 out of 100 that the actual percent of births in Alabama to Hispanic women that are to unmarried women lies between 20.8 and 25.2 percent.

**Significance testing**

**One of the rates is based on fewer than 100 cases**

To compare two rates is when one or both of those rates are based on less than 100 cases, you first compute the confidence intervals for both rates. Then you check to see if those intervals overlap. If they **do** overlap, the difference is not statistically significant at the 95-percent level. If they **do not** overlap, the difference is indeed “statistically significant.”

**Example**

Is the first birth rate for American Indian women 40–44 years of age (.54 per 1,000) significantly lower than the comparable rate for white women (1.55)? The rate for American Indian women is based on 47 events whereas the rate for white women is based on 14,108 events. The rate for American Indian women is based on less than 100 events; therefore, the first step is to compute the confidence intervals for both rates.

|                                 | Lower Limit | Upper Limit |
|---------------------------------|-------------|-------------|
| American Indian women . . . . . | 0.40        | 0.72        |
| White women . . . . .           | 1.52        | 1.58        |

These two confidence intervals do not overlap. Therefore, the first birth rate for American Indian women aged 40–44 years is significantly lower (at the 95-percent confidence level) than the comparable rate for white women.

### Both rates are based on 100 or more events

When both rates are based on 100 or more events, the difference between the two rates is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where

$R_1$  = first rate

$R_2$  = second rate

$N_1$  = first number of births

$N_2$  = second number of births

If the difference is **greater** than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is **less** than this statistic, the difference might occur by chance more than 5 times out of 100. We say that the difference is not statistically significant at the 95-percent confidence level.

### Example

Is the first birth rate for black women 40–44 years of age (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is  $1.55 - 1.08 = .47$ . The statistic is then calculated as follows:

$$\begin{aligned} & 1.96 \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}} \\ &= 1.96 \times \sqrt{([1.166/1,535] + [2.403/14,108])} \\ &= 1.96 \times \sqrt{0.00076 + 0.00017} \\ &= 1.96 \times \sqrt{0.00093} \\ &= 1.96 \times .03 \\ &= .06 \end{aligned}$$

The difference between the rates (.47) is greater than this statistic (.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

### Testing differences between two percents

When testing the difference between two percents, both percents must meet the following conditions:

$$B \times p \geq 5 \text{ and } B \times q \geq 5$$

where

$B$  = number of births in the denominator

$p$  = percent divided by 100

$q = 1 - p$

When both percents meet these conditions then the difference between the two percents is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two percents.

$$1.96 \sqrt{p(1-p) \left( \frac{1}{B_1} + \frac{1}{B_2} \right)}$$

where

$B_1$  = number of births in the denominator for the first percent

$B_2$  = number of births in the denominator for the second percent

$$p = \frac{B_1 p_1 + B_2 p_2}{B_1 + B_2}$$

$p_1$  = first percent

$p_2$  = second percent

### Example

Is the percent of births to Hispanic women that were to unmarried women higher in Alaska (28.8 percent) than in Alabama (23.0). The number in the denominator was 593 in Alaska and 1,345 in Alabama. The necessary conditions are met for both percents (calculations not shown). The difference between the two percents is  $.288 - .230 = .058$ . The statistic is then calculated as follows:

$$\begin{aligned} & 1.96 \sqrt{.248(.752) (.00243)} = 1.96 \times \sqrt{.00045} \\ &= 1.96 \times .021 \\ &= .042 \end{aligned}$$

The difference between the percents (.058) is greater than this statistic (.042). Therefore, the difference is statistically significant at the 95-percent confidence level.

Information on computing confidence intervals for and testing differences between rates for Hispanic subgroups is available elsewhere (4).

### Definitions of medical terms

The 1989 revision of the U.S. Standard Certificate of Live Birth includes several maternal and infant health items in checkbox format, including obstetric procedures, medical risk factors, complications of labor and/or delivery, abnormal conditions of the newborn, and congenital anomalies of the child (figure 1). The definitions that follow are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association of Public Health Statistics and Information Systems, formerly known as the Association for Vital Records and Health Statistics (101).

### Medical risk factors for this pregnancy

*Anemia*—Hemoglobin level of less than 10.0 g/dL during pregnancy or a hematocrit of less than 30 percent during pregnancy.

*Cardiac disease*—Disease of the heart.

*Acute or chronic lung disease*—Disease of the lungs during pregnancy.

*Diabetes*—Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.

*Genital herpes*—Infection of the skin of the genital area by herpes simplex virus.

*Hydramnios/oligohydramnios*—Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.

*Hemoglobinopathy*—A blood disorder caused by alteration in the genetically determined molecular structure of hemoglobin (example: sickle cell anemia).

*Hypertension, chronic*—Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

*Hypertension, pregnancy-associated*—An increase in blood pressure of at least 30 mm Hg systolic or 15 mm Hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.

*Eclampsia*—The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of pre-eclampsia.

*Incompetent cervix*—Characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes through the cervix and ballooning of the membranes into the vagina, followed by rupture of the membranes and subsequent expulsion of the fetus.

*Previous infant 4,000+ grams*—The birth weight of a previous live-born child was over 4,000+ grams (8 pounds 14 ounces).

*Previous preterm or small-for-gestational-age infant*—Previous birth of an infant prior to term (before 37 completed weeks of gestation) or of an infant weighing less than the tenth percentile for gestational age using a standard weight for age chart.

*Renal disease*—Kidney disease.

*Rh sensitization*—The process or state of becoming sensitized to the Rh factor as when an Rh-negative woman is pregnant with an Rh-positive fetus.

*Uterine bleeding*—Any clinically significant bleeding during the pregnancy taking into consideration the stage of pregnancy; any second or third trimester bleeding of the uterus prior to the onset of labor.

### Obstetric procedures

*Amniocentesis*—Surgical transabdominal perforation of the uterus to obtain amniotic fluid to be used in the detection of genetic disorders, fetal abnormalities, and fetal lung maturity.

*Electronic fetal monitoring*—Monitoring with external devices applied to the maternal abdomen or with internal devices with an electrode attached to the fetal scalp and a catheter through the cervix into the uterus, to detect and record fetal heart tones and uterine contractions.

*Induction of labor*—The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.

*Stimulation of labor*—Augmentation of previously established labor by use of oxytocin.

*Tocolysis*—Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.

*Ultrasound*—Visualization of the fetus and the placenta by means of sound waves.

### Complications of labor and/or delivery

*Febrile*—A fever greater than 100° F. or 38° C. occurring during labor and/or delivery.

*Meconium, moderate/heavy*—Meconium consists of undigested debris from swallowed amniotic fluid, various products of secretion, excretion and shedding by the gastrointestinal tract; moderate to heavy amounts of meconium in the amniotic fluid noted during labor and/or delivery.

*Premature rupture of membranes (more than 12 hours)*—Rupture of the membranes at any time during pregnancy and more than 12 hours before the onset of labor.

*Abruptio placenta*—Premature separation of a normally implanted placenta from the uterus.

*Placenta previa*—Implantation of the placenta over or near the internal opening of the cervix.

*Other excessive bleeding*—The loss of a significant amount of blood from conditions other than abruptio placenta or placenta previa.

*Seizures during labor*—Maternal seizures occurring during labor from any cause.

*Precipitous labor (less than 3 hours)*—Extremely rapid labor and delivery lasting less than 3 hours.

*Prolonged labor (more than 20 hours)*—Abnormally slow progress of labor lasting more than 20 hours.

*Dysfunctional labor*—Failure to progress in a normal pattern of labor.

*Breech/malpresentation*—At birth, the presentation of the fetal buttocks rather than the head, or other malpresentation.

*Cephalopelvic disproportion*—The relationship of the size, presentation and position of the fetal head to the maternal pelvis which prevents dilation of the cervix and/or descent of the fetal head.

*Cord prolapse*—Premature expulsion of the umbilical cord in labor before the fetus is delivered.

*Anesthetic complications*—Any complication during labor and/or delivery brought on by an anesthetic agent or agents.

*Fetal distress*—Signs indicating fetal hypoxia (deficiency in amount of oxygen reaching fetal tissues).

### Abnormal conditions of the newborn

*Anemia*—Hemoglobin level of less than 13.0 g/dL or a hematocrit of less than 39 percent.

*Birth injury*—Impairment of the infant's body function or structure due to adverse influences which occurred at birth.

*Fetal alcohol syndrome*—A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

*Hyaline membrane disease/RDS*—A disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

*Meconium aspiration syndrome*—Aspiration of meconium by the fetus or newborn, affecting the lower respiratory system.

*Assisted ventilation (less than 30 minutes)*—A mechanical method of assisting respiration for newborns with respiratory failure.

*Assisted ventilation (30 minutes or more)*—Newborn placed on assisted ventilation for 30 minutes or longer.

*Seizures*—A seizure of any etiology.

### **Congenital anomalies of child**

*Anencephalus*—Absence of the cerebral hemispheres.

*Spina bifida/meningocele*—Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.

*Hydrocephalus*—Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.

*Microcephalus*—A significantly small head.

*Other central nervous system anomalies*—Other specified anomalies of the brain, spinal cord, and nervous system.

*Heart malformations*—Congenital anomalies of the heart.

*Other circulatory/respiratory anomalies*—Other specified anomalies of the circulatory and respiratory systems.

*Rectal atresia/stenosis*—Congenital absence, closure, or narrowing of the rectum.

*Tracheo-esophageal fistula/Esophageal atresia*—An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.

*Omphalocele/Gastroschisis*—An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

*Other gastrointestinal anomalies*—Other specified congenital anomalies of the gastrointestinal system.

*Malformed genitalia*—Congenital anomalies of the reproductive organs.

*Renal agenesis*—One or both kidneys are completely absent.

*Other urogenital anomalies*—Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.

*Cleft lip/palate*—Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.

*Polydactyly/syndactyly/adactyly*—Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.

*Club foot*—Deformities of the foot, which is twisted out of shape or position.

*Diaphragmatic hernia*—Herniation of the abdominal contents through the diaphragm into the thoracic cavity usually resulting in respiratory distress.

*Other musculoskeletal/integumental anomalies*—Other specified congenital anomalies of the muscles, skeleton, or skin.

*Down's syndrome*—The most common chromosomal defect with most cases resulting from an extra chromosome (trisomy 21).

*Other chromosomal anomalies*—All other chromosomal aberrations.

### **Related reports**

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics of reports published in the past 5 years include Hispanic origin births (5); twin and triplet births (70, 83); teenage birth rates by State (7); birth rates by educational attainment of the mother (102); cesarean deliveries, attendant at birth, place of delivery, and obstetric procedures (61, 103); births to unmarried mothers (24); trends in pregnancies and pregnancy rates (8); and trends in smoking (37).

This report presents summary tabulations from the final natality statistics for 1999. The National Center for Health Statistics will respond to requests for unpublished data whenever possible.

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