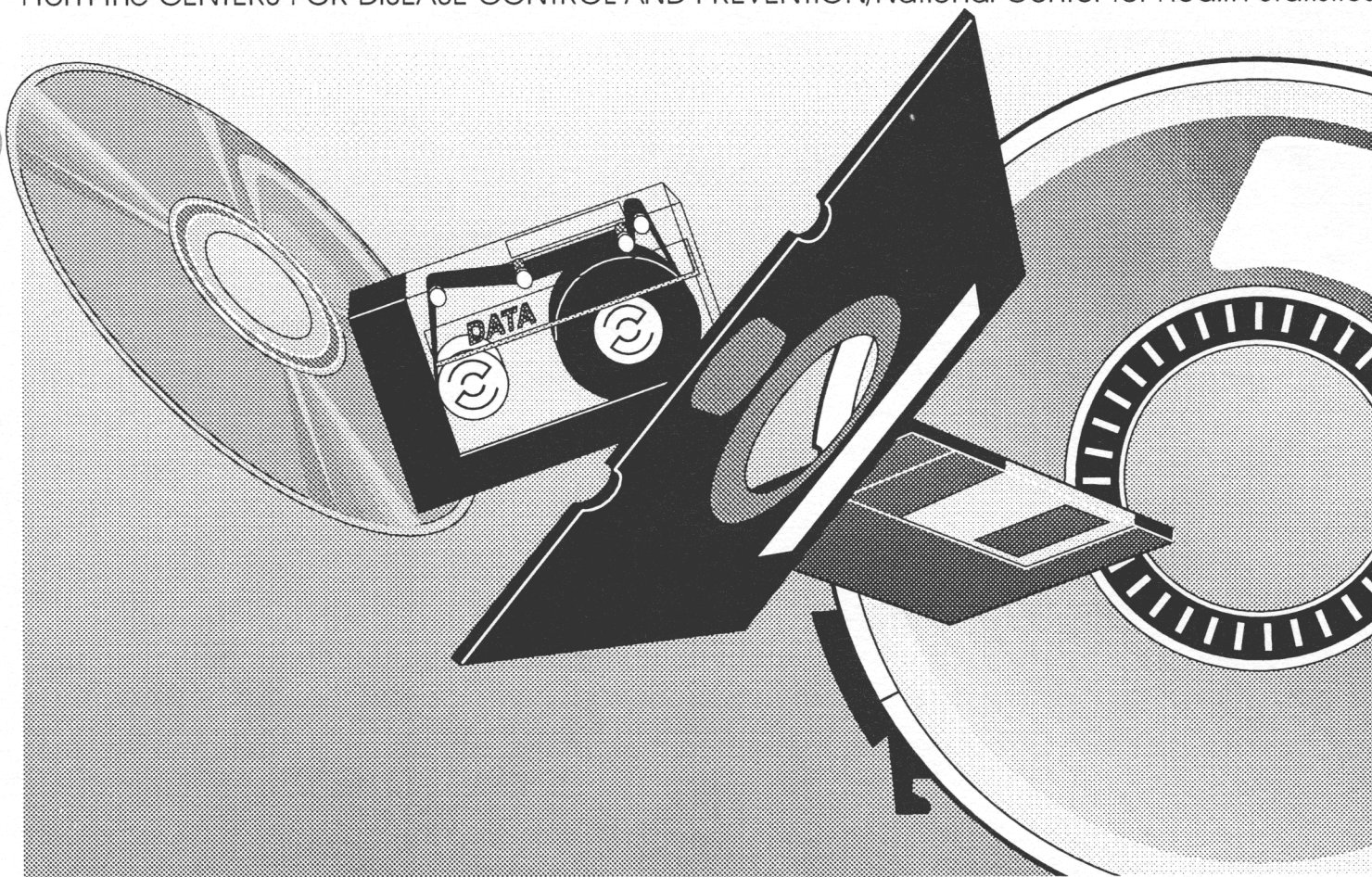


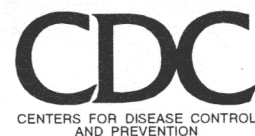
Public Use Data File Documentation

1996 Detail Natality

From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics

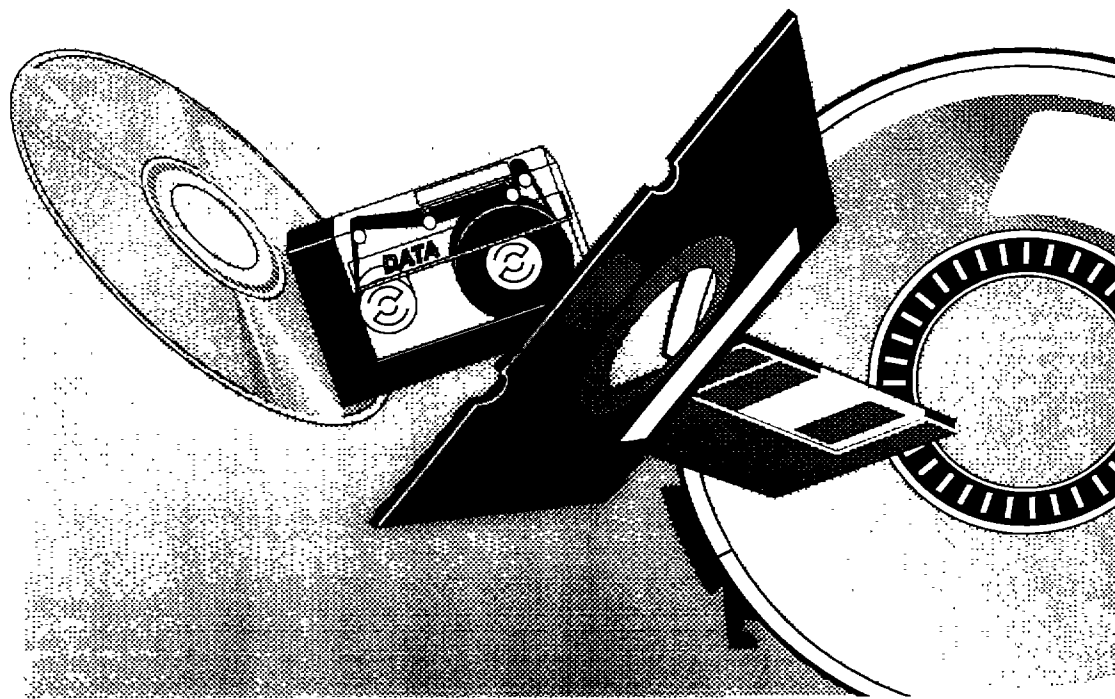


U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics



Public Use Data File Documentation

1996 Detail Natality



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

Hyattsville, Maryland
July 1998

**DOCUMENTATION OF THE
DETAIL NATALITY TAPE FILE FOR
1996 DATA**

SPECIAL NOTICE

**THE GEOGRAPHIC CODES WERE CHANGED
EFFECTIVE WITH 1996 DATA TO REFLECT THE
RESULTS OF THE 1990 CENSUS.**

**DETAIL NATALITY FOR PUERTO RICO, VIRGIN
ISLANDS, AND GUAM ARE INCLUDED AS A SEPARATE
DATA SET IN THE PUBLIC-USE FILE**

Public Use Data Tape Documentation - Natality Detail 1996 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.

Sally Curtin 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 of the Systems, Programming, and Statistical Resources Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, MD 20782 (301-436-8900).

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 840, Hyattsville, MD 20782 (301-436-8954).

Documentation of the Detail Natality Data File for 1996 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, and Guam 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, and Guam 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, 1996

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: 3,894,874
	b.	By residence: 3,891,494
	c.	To foreign residents: 3,380

PUERTO RICO, VIRGIN ISLANDS, AND GUAM DATA SET:

1.	Record count:	69,519
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PUERTO RICO:

2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 63,255
	b.	By residence: 63,141

VIRGIN ISLANDS:

1.	Record count:	
.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 2,001
	b.	By residence: 1,905

GUAM:

1.	Record count:	
2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 4,263
	b.	By residence: 4,254

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-4	4	<u>DATAYEAR</u> <u>Year Birth of Child (Data Year)</u> 1996 ... 1996
5	1	<u>RECTYPE</u> <u>Record Type</u> 1 ... Resident: State and county of occurrence and residence are the same. 2 ... Nonresident: State and/or county of occurrence and residence are different.
6	1	<u>RESTATUS</u> <u>Resident Status</u> <u>United States occurrence</u> 1 ... RESIDENTS: State and county of occurrence and residence are the same. 2 ... INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different. 3 ... INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the U.S. 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. <u>Puerto Rico occurrence</u> 1 ... RESIDENTS: State and county of occurrence and residence are the same. 2 ... INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different. 4 ... FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
6	1	<u>RESTATUS</u> <u>Resident Status (Cont'd)</u> <u>Virgin Islands occurrence</u> 1 ... RESIDENTS: State and county of occurrence and residence are the same. 2 ... INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county 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.
7	1	<u>RECWT</u> <u>Record Weight</u> 1 ... Constant - as of the 1985 data year, this file contains data on a 100-percent basis from all reporting areas.
8	1	<u>PLDEL</u> <u>Place or Facility of Birth</u> 1 ... Hospital 2 ... Freestanding Birthing Center 3 ... Clinic or Doctor's Office 4 ... A Residence 5 ... Other 9 ... Unknown or Not Stated
9	1	<u>PLDEL3</u> <u>Place or Facility of Birth Recode</u> 1 ... In Hospital 2 ... Not in a Hospital 3 ... Unknown or Not Stated

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
10	1	<u>BIRATTND</u> <u>Attendant at Birth</u> 1 ... Doctor of Medicine (M.D.) 2 ... Doctor of Osteopathy (D.O.) 3 ... Certified Nurse Midwife (C.N.M.) 4 ... Other Midwife 5 ... Other 9 ... Unknown or Not Stated
11-26	16	<u>NOCCUR</u> <u>Place of Occurrence</u>
11-13	3	<u>RDSSCOCC</u> <u>Region, Division, and State Subcode of Occurrence</u>
11	1	<u>REGNOCC</u> <u>Region of Occurrence</u>
12	1	<u>DIVOCC</u> <u>Division of Occurrence</u>
13	1	<u>STSUBOCC</u> <u>State Subcode of Occurrence</u> States are coded within division and the code structure is designed to sequence the States as they appear in NCHS publications. 000 ... Not applicable: P.R., V.I., or Guam occurrence 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> 1 ... New York 2 ... New Jersey 3 ... Pennsylvania

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
13	1	<u>STSUBOCC</u>
		<u>State Subcode of Occurrence (Cont'd)</u>
	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>
	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
	4	... Colorado
	5	... New Mexico
	6	... Arizona
	7	... Utah
	8	... Nevada

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
13	1	<u>STSUBOCC</u> <u>State Subcode of Occurrence (Cont'd)</u> 9 ... <u>Pacific</u> 1 ... Washington 2 ... Oregon 3 ... California 4 ... Alaska 5 ... Hawaii
14-15	2	<u>STSTATEXP</u> <u>Expanded State of Occurrence</u> This item is designed to separately identify New York city records from other New York State records. <u>United States</u> 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 20 ... Maine 21 ... Maryland 22 ... Massachusetts 23 ... Michigan 24 ... Minnesota 25 ... Mississippi 26 ... Missouri 27 ... Montana 28 ... Nebraska

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
14-15	2	<u>STNATEXP</u> <u>Expanded State of Occurrence (Cont'd)</u> <u>United States</u> 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 <u>Puerto Rico</u> 53 ... Puerto Rico <u>Virgin Islands</u> 54 ... Virgin Islands <u>Guam</u> 55 ... Guam
16-17	2	<u>STATENAT</u> <u>State of Occurrence</u> <u>United States</u> 01 ... Alabama 02 ... Alaska 03 ... Arizona 04 ... Arkansas 05 ... California

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
16-17	2	<u>STATENAT</u> <u>State of Occurrence (Cont'd)</u> <u>United States</u> 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 ... 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

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
16-17	2	<u>STATENAT</u> <u>State of Occurrence (Cont'd)</u> <u>United States</u> 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
18-20	3	<u>CNTYNAT</u> <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. 999 ... County of less than 100,000 population
21-25	5	<u>FIPSOCC</u> <u>Federal Information Processing Standards (FIPS)</u> <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. Some Geographic codes have changed to reflect the results of the 1990 Census.

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
21-22	2	<u>STOCCFIP</u> <u>State of Occurrence (FIPS)</u> <u>United States</u> 01 ... Alabama 02 ... Alaska 04 ... Arizona 05 ... Arkansas 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 40 ... Oklahoma 41 ... Oregon 42 ... Pennsylvania 44 ... Rhode Island 45 ... South Carolina 46 ... South Dakota 47 ... Tennessee

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
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27-58	32	<u>NRESID</u> <u>Place of Residence</u>
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Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. Some Geographic codes have changed to reflect the results of the 1990 Census.

27-29	3	<u>RDESCRES</u> <u>Region, Division, and State Subcode of Residence</u>
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27	1	<u>REGNRES</u> <u>Region of Residence</u>
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28	1	<u>DIVRES</u> <u>Division of Residence</u>
----	---	---

29	1	<u>STSUBRES</u> <u>State Subcode of Residence</u>
----	---	--

States are coded within Division and the code structure is designed to sequence the States as they appear in NCHS publications.

APPLICABLE TO U.S. ONLY

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>
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

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
29	1	<u>STSUBRES</u> <u>State Subcode of Residence (Cont'd)</u>
		<u>APPLICABLE TO U.S. ONLY</u>
	4	... <u>West North Central</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
	4	... Colorado
	5	... New Mexico
	6	... Arizona
	7	... Utah
	8	... Nevada

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
29	1	<u>STSUBRES</u> <u>State Subcode of Residence (Cont'd)</u>

APPLICABLE TO U.S. ONLY

9	...	<u>Pacific</u>
1	...	Washington
2	...	Oregon
3	...	California
4	...	Alaska
5	...	Hawaii

30-31	2	<u>STRESEXP</u> <u>Expanded State of Residence</u>
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This item is designed to separately identify New York City records from other New York State records.

United States occurrence

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
20	...	Maine
21	...	Maryland
22	...	Massachusetts
23	...	Michigan
24	...	Minnesota
25	...	Mississippi
26	...	Missouri
27	...	Montana

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
30-31	2	<p><u>STRESEXP</u> <u>Expanded State of Residence (Cont'd)</u></p> <p><u>United States occurrence</u></p> <p>28 ... Nebraska</p> <p>29 ... Nevada</p> <p>30 ... New Hampshire</p> <p>31 ... New Jersey</p> <p>32 ... New Mexico</p> <p>33 ... New York</p> <p>34 ... New York City</p> <p>35 ... North Carolina</p> <p>36 ... North Dakota</p> <p>37 ... Ohio</p> <p>38 ... Oklahoma</p> <p>39 ... Oregon</p> <p>40 ... Pennsylvania</p> <p>41 ... Rhode Island</p> <p>42 ... South Carolina</p> <p>43 ... South Dakota</p> <p>44 ... Tennessee</p> <p>45 ... Texas</p> <p>46 ... Utah</p> <p>47 ... Vermont</p> <p>48 ... Virginia</p> <p>49 ... Washington</p> <p>50 ... West Virginia</p> <p>51 ... Wisconsin</p> <p>52 ... Wyoming</p> <p>53-58,60 ... Foreign Residents</p> <p>53 ... Puerto Rico</p> <p>54 ... Virgin Islands</p> <p>55 ... Guam</p> <p>56 ... Canada</p> <p>57 ... Cuba</p> <p>58 ... Mexico</p> <p>60 ... Remainder of the world</p> <p><u>Puerto Rico occurrence</u></p> <p>53 ... Puerto Rico</p> <p>01-52,54-58,60 ... Foreign residents: Refer to U.S. for specific code structure.</p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
30-31	2	<p><u>STRESEXP</u> <u>Expanded State of Residence (Cont'd)</u></p> <p><u>Virgin Islands occurrence</u></p> <p>54 ... Virgin Islands</p> <p>01-53,55-58,60 ... Foreign residents: Refer to U.S. for specific code structure.</p> <p><u>Guam occurrence</u></p> <p>55 ... Guam</p> <p>01-52 ... U.S. resident is also considered a resident of Guam.</p> <p>53-54,56-58,60 ... Foreign residents: Refer to U.S. for specific code structure.</p>
32-33	2	<p><u>STATERES</u> <u>State of Residence</u></p> <p><u>United States occurrence</u></p> <p>01 ... Alabama</p> <p>02 ... Alaska</p> <p>03 ... Arizona</p> <p>04 ... Arkansas</p> <p>05 ... California</p> <p>06 ... Colorado</p> <p>07 ... Connecticut</p> <p>08 ... Delaware</p> <p>09 ... District of Columbia</p> <p>10 ... Florida</p> <p>11 ... Georgia</p> <p>12 ... Hawaii</p> <p>13 ... Idaho</p> <p>14 ... Illinois</p> <p>15 ... Indiana</p> <p>16 ... Iowa</p> <p>17 ... Kansas</p> <p>18 ... Kentucky</p> <p>19 ... Louisiana</p> <p>20 ... Maine</p> <p>21 ... Maryland</p> <p>22 ... Massachusetts</p> <p>23 ... Michigan</p> <p>24 ... Minnesota</p> <p>25 ... Mississippi</p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
32-33	2	<p><u>STATERES</u> <u>State of Residence (Cont'd)</u></p> <p><u>United States occurrence</u></p> <p>26 ... Missouri</p> <p>27 ... Montana</p> <p>28 ... Nebraska</p> <p>29 ... Nevada</p> <p>30 ... New Hampshire</p> <p>31 ... New Jersey</p> <p>32 ... New Mexico</p> <p>33 ... New York</p> <p>34 ... North Carolina</p> <p>35 ... North Dakota</p> <p>36 ... Ohio</p> <p>37 ... Oklahoma</p> <p>38 ... Oregon</p> <p>39 ... Pennsylvania</p> <p>40 ... Rhode Island</p> <p>41 ... South Carolina</p> <p>42 ... South Dakota</p> <p>43 ... Tennessee</p> <p>44 ... Texas</p> <p>45 ... Utah</p> <p>46 ... Vermont</p> <p>47 ... Virginia</p> <p>48 ... Washington</p> <p>49 ... West Virginia</p> <p>50 ... Wisconsin</p> <p>51 ... Wyoming</p> <p>52-57,59 ... Foreign Residents</p> <p>52 ... Puerto Rico</p> <p>53 ... Virgin Islands</p> <p>54 ... Guam</p> <p>55 ... Canada</p> <p>56 ... Cuba</p> <p>57 ... Mexico</p> <p>59 ... Remainder of the world</p> <p><u>Puerto Rico occurrence</u></p> <p>52 ... Puerto Rico</p> <p>01-51,53-57,59 ... Foreign Residents: Refer to U.S. for specific code structure.</p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
32-33	2	<p><u>STATERES</u> <u>State of Residence (Cont'd)</u></p> <p><u>Virgin Islands occurrence</u></p> <p>53 ... Virgin Islands</p> <p>01-52,54-57,59 ... Foreign Residents: Refer to U.S. for specific code structure.</p> <p><u>Guam occurrence</u></p> <p>54 ... Guam</p> <p>01-51 ... U.S. resident is also considered a resident of Guam.</p> <p>52-53,55-57,59 ... Foreign Residents: Refer to U.S. for specific code structure.</p>
34-36	3	<p><u>CNTYRES</u> <u>County of Residence</u></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>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
37-39	3	<p><u>CITYRES</u> <u>City of Residence</u></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>
40	1	<p><u>CITRSPOP</u> <u>Population Size of City of Residence</u></p> <p>Based on the results of the 1990 census</p> <p>0 ... Place of 1,000,000 or more</p> <p>1 ... Place of 500,000 to 1,000,000</p> <p>2 ... Place of 250,000 to 500,000</p> <p>3 ... Place of 100,000 to 250,000</p> <p>9 ... All other areas in the U.S.</p> <p>Z ... Foreign residents</p>
41	1	<p><u>METRORES</u> <u>Metropolitan - Nonmetropolitan County of Residence</u></p> <p><u>NOTE: GUAM AND THE VIRGIN ISLANDS DO NOT HAVE ANY METROPOLITAN AREAS</u></p> <p>1 ... Metropolitan county</p> <p>2 ... Nonmetropolitan county</p> <p>Z ... Foreign residents</p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																																																																										
42-57	16	<p><u>FIPSRES</u> <u>Federal Information Processing Standards (FIPS)</u> <u>Geographic Codes (Residence)</u></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. Some Geographic Codes have changed to reflect the results of the 1990 Census.</p>																																																																																										
42-43	2	<p><u>STRESFIP</u> <u>State of Residence (FIPS)</u></p> <p><u>United States occurrence</u></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> <tr><td>11</td><td>...</td><td>District of Columbia</td></tr> <tr><td>12</td><td>...</td><td>Florida</td></tr> <tr><td>13</td><td>...</td><td>Georgia</td></tr> <tr><td>15</td><td>...</td><td>Hawaii</td></tr> <tr><td>16</td><td>...</td><td>Idaho</td></tr> <tr><td>17</td><td>...</td><td>Illinois</td></tr> <tr><td>18</td><td>...</td><td>Indiana</td></tr> <tr><td>19</td><td>...</td><td>Iowa</td></tr> <tr><td>20</td><td>...</td><td>Kansas</td></tr> <tr><td>21</td><td>...</td><td>Kentucky</td></tr> <tr><td>22</td><td>...</td><td>Louisiana</td></tr> <tr><td>23</td><td>...</td><td>Maine</td></tr> <tr><td>24</td><td>...</td><td>Maryland</td></tr> <tr><td>25</td><td>...</td><td>Massachusetts</td></tr> <tr><td>26</td><td>...</td><td>Michigan</td></tr> <tr><td>27</td><td>...</td><td>Minnesota</td></tr> <tr><td>28</td><td>...</td><td>Mississippi</td></tr> <tr><td>29</td><td>...</td><td>Missouri</td></tr> <tr><td>30</td><td>...</td><td>Montana</td></tr> <tr><td>31</td><td>...</td><td>Nebraska</td></tr> <tr><td>32</td><td>...</td><td>Nevada</td></tr> </table>	00	...	Foreign residents	01	...	Alabama	02	...	Alaska	04	...	Arizona	05	...	Arkansas	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
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1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
42-43	2	<p><u>STRESFIP</u> <u>State of Residence (FIPS) (Cont'd)</u></p> <p><u>United States occurrence</u></p> <p>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</p> <p><u>Puerto Rico occurrence</u></p> <p>00-56,66,78 ... Foreign Residents: Refer to U.S. for specific code structure 72 ... Puerto Rico</p> <p><u>Virgin Islands occurrence</u></p> <p>00-56,66,72 ... Foreign Residents: Refer to U.S. for specific code structure 78 ... Virgin Islands</p> <p><u>Guam occurrence</u></p> <p>00,72,78 ... 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</p>

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
44-46	3	<p><u>CNTYRFIP</u> <u>County of Residence (FIPS)</u></p> <p>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.)</p> <p>999 ... County of less than 100,000 population</p> <p>000 ... Foreign residents</p>
47-51	5	<p><u>PLACEFIP</u> <u>Place (City) of Residence</u></p> <p>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 Mortality record. It identifies each city of 100,000 population or more in 1990.</p> <p>00000 ... Foreign residents</p> <p>00001- nnnnn ... Code range</p> <p>99999 ... Balance of county; or city of less than 100,000 population</p>
52-53	2	<p><u>CMSA</u> <u>CMSA of Residence (FIPS)</u></p> <p>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.</p> <p><u>All AREAS</u></p> <p>00 ... Not a CMSA</p> <p><u>United States occurrence</u></p> <p>07 ... Boston-Worcester-Lawrence, MA-NH-ME CT, CMSA</p> <p>14 ... Chicago-Gary-Kenosha, IL-IN-WI, CMSA</p> <p>21 ... Cincinnati-Hamilton, OH-KY-IN, CMSA</p> <p>28 ... Cleveland-Akron, OH, CMSA</p> <p>31 ... Dallas-Fort Worth, TX, CMSA</p> <p>34 ... Denver-Boulder-Greeley, CO, CMSA</p> <p>35 ... Detroit-Ann Arbor-Flint, MI, CMSA</p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
52-53	2	<u>CMSA</u> <u>CMSA of Residence (FIPS) (Cont'd)</u> 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 <u>Puerto Rico occurrence</u> 87 ... San Juan-Caguas-Arecibo, PR, CMSA
54-57	4	<u>SMSARFIP</u> <u>PMSA/MSA of Residence (FIPS)</u> 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

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Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
58	1	<u>CNTRSPOP</u> <u>Population Size of County of Residence</u> Based on the results of the 1990 Census. 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	<u>R1A</u> <u>Reserved Positions</u>

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
68	1	<p><u>MAGERFLG</u> <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 10-49 code range.</p> <p>Blank ... Reported age is not used 1 ... Reported age is used</p>
69	1	<p><u>MAGEIMP</u> <u>Age of Mother Imputation Flag</u></p> <p>Blank ... Age is not imputed 1 ... Age is imputed</p>
70-71	2	<p><u>DMAGE</u> <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> <p>10-49 ... Age in single years</p>
72-73	2	<p><u>MAGE36</u> <u>Age of Mother Recode 36</u></p> <p>01 ... Under 15 years 02 ... 15 years 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 14 ... 27 years 15 ... 28 years 16 ... 29 years 17 ... 30 years</p>

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
72-73	2	<u>MAGE36</u> <u>Age of Mother Recode 36 (Cont'd)</u> 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
74-75	2	<u>MAGE12</u> <u>Age of Mother Recode 12</u> 01 ... Under 15 years 03 ... 15 years 04 ... 16 years 05 ... 17 years 06 ... 18 years 07 ... 19 years 08 ... 20 - 24 years 09 ... 25 - 29 years 10 ... 30 - 34 years 11 ... 35 - 39 years 12 ... 40 - 44 years 13 ... 45 - 49 years
76	1	<u>MAGE8</u> <u>Age of Mother Recode 8</u> 1 ... Under 15 years 2 ... 15 - 19 years 3 ... 20 - 24 years 4 ... 25 - 29 years

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
76	1	<p><u>MAGE8</u> <u>Age of Mother Recode 8 (Cont'd)</u></p> <p>5 ... 30 - 34 years 6 ... 35 - 39 years 7 ... 40 - 44 years 8 ... 45 - 49 years</p>
77	1	<p><u>ORMOTH</u> <u>Hispanic Origin of Mother</u></p> <p>Hispanic origin is reported by all areas except Puerto Rico.</p> <p>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</p>
78	1	<p><u>ORRACEM</u> <u>Hispanic Origin and Race of Mother Recode</u></p> <p>Hispanic origin is reported by all areas except Puerto Rico.</p> <p>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 races 9 ... Origin unknown or not stated</p>
79	1	<p><u>MRACEIMP</u> <u>Race of Mother Imputation Flag</u></p> <p>Blank ... Race is not imputed 1 ... Unknown race is imputed 2 ... All other races, formerly code 09, is imputed</p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																																			
80-81	2	<p><u>MRACE</u> <u>Race of Mother</u></p> <p><u>United States occurrence</u> 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> <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> <p><u>Puerto Rico occurrence</u></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>00</td><td>...</td><td>Other races</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	00	...	Other races
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80-81	2	<p><u>MRACE</u> <u>Race of Mother (Cont'd)</u></p> <p><u>Virgin Islands occurrence</u></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> </table>	01	...	White	02	...	Black	03	...	American Indian (includes Aleuts and Eskimos)	04	...	Chinese	05	...	Japanese	06	...	Hawaiian (includes part-Hawaiian)																																	
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1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
		07 ... Filipino
		08 ... Other Asian or Pacific Islander
		<u>Guam occurrence</u>
		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
82	1	<u>MRACE3</u> <u>Race of Mother Recode</u>
		<u>For All Areas</u>
		1 ... White
		2 ... Races other than White or Black
		3 ... Black
83-84	2	<u>DMEDUC</u> <u>Education of Mother</u>
		Effective with 1992 data, all areas report education.
		00 ... No formal education
		01-08 ... Years of elementary school
		09 ... 1 year of high school
		10 ... 2 years of high school
		11 ... 3 years of high school
		12 ... 4 years of high school

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
83-84	2	<p><u>DMEDUC</u> <u>Education of Mother (Cont'd)</u></p> <p>13 ... 1 year of college 14 ... 2 years of college 15 ... 3 years of college 16 ... 4 years of college 17 ... 5 or more years of college 99 ... Not stated</p>
85	1	<p><u>MEDUC6</u> <u>Education of Mother Recode</u></p> <p>1 ... 0 - 8 years 2 ... 9 - 11 years 3 ... 12 years 4 ... 13 - 15 years 5 ... 16 years and over 6 ... Not stated</p>
86	1	<p><u>DMARIMP</u> <u>Marital Status of Mother Imputation Flag</u></p> <p>Blank ... Marital Status is not imputed 1 ... Marital Status is imputed</p>
87	1	<p><u>DMAR</u> <u>Marital Status of Mother</u></p> <p>Marital status is not reported by all areas. See reporting flags.</p> <p><u>United States/Virgin Island/Guam</u></p> <p>1 ... Married 2 ... Unmarried 9 ... Unknown or not stated</p> <p><u>Puerto Rico</u></p> <p>1 ... Married 2 ... Unmarried parents living together 3 ... Unmarried parents not living together 9 ... Unknown or not stated</p>

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Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
88-89	2	<u>MPLBIR</u> <u>Place of Birth of Mother</u>
		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
		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

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
88-89	2	<p><u>MPLBIR</u> <u>Place of Birth of Mother (Cont'd)</u></p> <p>44 ... Texas 45 ... Utah 46 ... Vermont 47 ... Virginia 48 ... Washington 49 ... West Virginia 50 .. Wisconsin 51 .. Wyoming 52 ... Puerto Rico 53 ... Virgin Islands 54 ... Guam 55 ... Canada 56 ... Cuba 57 ... Mexico 59 ... Remainder of the World 99 ... Not classifiable</p>
90	1	<p><u>MPLBIRR</u> <u>Place of Birth of Mother Recode</u></p> <p>1 ... Native born 2 ... Foreign born 3 ... Unknown or not stated</p>
91-92	2	<p><u>DMAGERPT</u> <u>Reported Age of Mother</u></p> <p>10-49 ... Age in single years 99 ... Unknown or not stated</p>
93	1	<p><u>ADEQUACY</u> <u>Adequacy Of Care Recode (Kessner Index)</u></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 2 ... Intermediate 3 ... Inadequate 4 ... Unknown</p>

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
94-95	2	<p><u>NLBNL</u> <u>Number of Live Births, Now Living</u></p> <p>Does not include this birth or adoptions.</p> <p>00-30 ... Stated number of births 99 ... Unknown or not stated</p>
96-97	2	<p><u>NLBNL</u> <u>Number of Live Births, Now Dead</u></p> <p>Does not include this birth or adoptions.</p> <p>00-30 ... Stated number of births 99 ... Unknown or not stated</p>
98-99	2	<p><u>NOTERM</u> <u>Number of Other Terminations</u></p> <p>Includes spontaneous and induced at any time after conception.</p> <p>00-30 ... Stated number of other terminations 99 ... Unknown or not stated</p>
100-101	2	<p><u>DLIVORD</u> <u>Detail Live Birth Order</u></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 99 ... Unknown</p>
102	1	<p><u>LIVORD9</u> <u>Live Birth Order Recode</u></p> <p>1 ... First Child 2 ... Second Child 3 ... Third Child 4 ... Fourth Child 5 ... Fifth Child 6 ... Sixth Child</p>

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Detail Natality Record

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

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Detail Natality Record

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

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
114-121	8	<u>LMPDATE</u> <u>Date Last Normal Menses Began</u>
114-115	2	<u>LMPMON</u> <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> <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> <u>Year Last Normal Menses Began</u>
		1993 ... 1993
		1996 ... 1996
		9999 ... Unknown or not stated year of LMP
122-127	6	<u>RB</u> Item was dropped in 1994
128-130	3	<u>DISLLE</u> <u>Interval Since Last Live Birth</u>
		This item is computed from date of birth of this child and date of last live birth.
		777 ... No previous live birth
		000 ... Zero months (plural birth)
		001-468 ... One to four hundred sixty-eight months
		999 ... Unknown

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
131-132	2	<u>ISLLB10</u> <u>Interval Since Last Live Birth Recode</u> 00 ... Not applicable (no previous live birth) 01 ... Zero months (plural birth) 02 ... 1 - 11 months 03 ... 12 - 17 months 04 ... 18 - 23 months 05 ... 24 - 35 months 06 ... 36 - 47 months 07 ... 48 - 59 months 08 ... 60 - 71 months 09 ... 72 months and over 10 ... Unknown
133-137	5	<u>Imputed Birthweight</u> Created beginning with 1995 data
133	1	<u>BWIMP</u> <u>Imputed Birthweight Flag</u> Blank ... Birthweight is not imputed 1 ... Birthweight is imputed
134-137	4	<u>Imputed Birthweight</u> 0227-8165 ... Number of grams
138-152	15	<u>R2</u> <u>Reserved Positions</u>
153	1	<u>FAGERFLG</u> <u>Reported Age of Father Used Flag</u> 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. Blank ... Reported age is not used 1 ... Reported age is used
154-155	2	<u>DFAGE</u> <u>Age of Father</u> This item is either computed from date of birth of father and of child or is the reported age. This is

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<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
		the age item used in NCHS publications.
		10-98 ... Age in single years
		99 ... Unknown or not stated
156-157	2	<u>FAGE11</u> <u>Age of Father Recode</u>
		01 ... Under 15 years
		02 ... 15 - 19 years
		03 ... 20 - 24 years
		04 ... 25 - 29 years
		05 ... 30 - 34 years
		06 ... 35 - 39 years
		07 ... 40 - 44 years
		08 ... 45 - 49 years
		09 ... 50 - 54 years
		10 ... 55 - 98 years
		11 ... Not stated
158	1	<u>ORFATH</u> <u>Hispanic Origin of Father</u>
		Hispanic origin of father is reported by all areas except Puerto Rico.
		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

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																										
159	1	<p><u>ORRACEF</u> <u>Hispanic Origin and Race of Father Recode</u></p> <p>Hispanic origin of father is reported by all areas except Puerto Rico.</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																																										
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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><u>FRACE</u> <u>Race of Father</u> <u>United States occurrence</u></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 imputed.</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>Samoaan</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	...	Samoaan	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																																										
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03	...	American Indian (includes Aleuts and Eskimos)																																										
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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
160-161	2	<p><u>FRACE</u> <u>Race of Father (Cont'd)</u> <u>Puerto Rico occurrence</u> 01 ... White 02 ... Black 00 ... Other races</p> <p><u>Virgin Islands occurrence</u> 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</p> <p><u>Guam occurrence</u> 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</p>

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
162	1	<u>FRACE4</u> <u>Race of Father Recode</u> 1 ... White 2 ... Races other than White, Black, or unknown 3 ... Black 4 ... Unknown or not stated
163-165	3	<u>R2A</u> <u>Reserved positions</u> Item was dropped in 1995
166-167	2	<u>DFAGERPT</u> <u>Reported Age of Father</u> 10-98 ... Age in single years 99 ... Unknown or not stated
168	1	<u>FRACEIMP</u> <u>Race of Father Imputation Flag</u> (Unknown race of father is not imputed. However, the all other races code is changed to unknown.) Blank ... Race is not changed 3 ... All other races, formerly code 09, is changed to code 99
169	1	<u>R3</u> <u>Reserved Position</u>
170	1	<u>CDOBMIMP</u> <u>Month of Birth of Child Imputation Flag</u> Blank ... Month is not imputed 1 ... Month is imputed
171	1	<u>RB</u> <u>Reserved Position</u>
172-173	2	<u>BIRMON</u> <u>Month of Birth</u> 01 ... January 02 ... February 03 ... March 04 ... April

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December
174-175	2	<u>RC</u> <u>Reserved Positions</u>
176-179	4	<u>BIRYR</u> <u>Year of Birth</u> 1996 ... 1996
180	1	<u>WEEKDAY</u> <u>Day of Week Child Born</u> 1 ... Sunday 2 ... Monday 3 ... Tuesday 4 ... Wednesday 5 ... Thursday 6 ... Friday 7 ... Saturday
181	1	<u>GESTESTM</u> <u>Clinical Estimate of Gestation Used Flag</u> 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. Blank ... Clinical Estimate is not used 1 ... Clinical Estimate is used

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
182	1	<p><u>GESTIMP</u> <u>Gestation Imputation Flag</u></p> <p>Blank ... Gestation is not imputed 1 ... Gestation is imputed</p>
183-184	2	<p><u>DGESTAT</u> <u>Gestation - Detail in Weeks</u></p> <p>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 clinical estimate. This is the gestation item used in NCHS publications.</p> <p>17-47 ... 17th through 47th week of gestation 99 ... Unknown</p>
185-186	2	<p><u>GESTAT10</u> <u>Gestation Recode 10</u></p> <p>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</p>
187	1	<p><u>GESTAT3</u> <u>Gestation Recode 3</u></p> <p>1 ... Under 37 weeks 2 ... 37 weeks and over 3 ... Not stated</p>
188	1	<p><u>CSEXIMP</u> <u>Sex Imputation Flag</u></p> <p>Blank ... Sex is not imputed 1 ... Sex is imputed</p>

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Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
189	1	<p><u>CSEX</u> <u>Sex</u></p> <p>1 ... Male 2 ... Female</p>
190-192	3	<p><u>RD</u> <u>Reserved Positions</u></p>
193-196	4	<p><u>DBIRWT</u> <u>Birth Weight - Detail in Grams</u></p> <p>0227-8165 ... Number of grams 9999 ... Not stated birth weight</p>
197-198	2	<p><u>BIRWT12</u> <u>Birth Weight Recode 12</u></p> <p>01 ... 499 grams or less 02 ... 500 - 999 grams 03 ... 1000 - 1499 grams 04 ... 1500 - 1999 grams 05 ... 2000 - 2499 grams 06 ... 2500 - 2999 grams 07 ... 3000 - 3499 grams 08 ... 3500 - 3999 grams 09 ... 4000 - 4499 grams 10 ... 4500 - 4999 grams 11 ... 5000 - 8165 grams 12 ... Not stated</p>
199	1	<p><u>BIRWT4</u> <u>Birth Weight Recode 4</u></p> <p>1 ... 1499 grams or less 2 ... 1500 - 2499 grams 3 ... 2500 - grams or more 4 ... Unknown or not stated</p>
200	1	<p><u>PLURIMP</u> <u>Plurality Imputation Flag</u></p> <p>Blank ... Plurality is not imputed 1 ... Plurality is imputed</p>

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Detail Natality Record

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

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
210-216	7	<u>R4</u> <u>Reserved Positions</u>
217-306	90	<u>MEDINFO</u> <u>Medical and Health Data</u>
		Some States do not report an entire item while other States do not report all of the categories within an item.
		If an item is not reported, it is indicated by code zero in the appropriate reporting flag.
		If a category within an item is not reported it is indicated by code 8 in the position for that category.
217-222	6	<u>DELMETH</u> <u>Method of Delivery</u>
		Each method is assigned a separate position, and the code structure for each method (position) is:
		1 ... The method was used
		2 ... The method was not used
		8 ... Method not on certificate
		9 ... Method unknown or not stated
217	1	<u>VAGINAL</u> <u>Vaginal</u>
218	1	<u>VBAC</u> <u>Vaginal birth after previous C-section</u>
219	1	<u>PRIMAC</u> <u>Primary C -section</u>
220	1	<u>REPEAC</u> <u>Repeat C -section</u>
221	1	<u>FORCEP</u> <u>Forceps</u>
222	1	<u>VACUUM</u> <u>Vacuum</u>

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
223	1	<u>R5</u> <u>Reserved Position</u>
224	1	<u>DELMETH5</u> <u>Method of Delivery Recode</u> 1 ... Vaginal (excludes vaginal after previous C-section) 2 ... Vaginal birth after previous C-section 3 ... Primary C -section 4 ... Repeat C -section 5 ... Not stated
225-241	17	<u>MEDRISK</u> <u>Medical Risk Factors</u> Each risk factor is assigned a separate position, and the code structure for each risk factor (position) is: 1 ... Factor reported 2 ... Factor not reported 8 ... Factor not on certificate 9 ... Factor not classifiable
225	1	<u>ANEMIA</u> <u>Anemia (Hct.<30/Hgb.<10)</u>
226	1	<u>CARDIAC</u> <u>Cardiac disease</u>
227	1	<u>LUNG</u> <u>Acute or chronic lung disease</u>
228	1	<u>DIABETES</u> <u>Diabetes</u>
229	1	<u>HERPES</u> <u>Genital herpes</u>
230	1	<u>HYDRA</u> <u>Hydramnios/Oligohydramnios</u>

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
231	1	<u>HEMO</u> <u>Hemoglobinopathy</u>
232	1	<u>CHYPER</u> <u>Hypertension, chronic</u>
233	1	<u>PHYPER</u> <u>Hypertension, pregnancy-associated</u>
234	1	<u>ECLAMP</u> <u>Eclampsia</u>
235	1	<u>INCERVIX</u> <u>Incompetent cervix</u>
236	1	<u>PRE4000</u> <u>Previous infant 4000+ grams</u>
237	1	<u>PRETERM</u> <u>Previous preterm or small-for-gestational-age infant</u>
238	1	<u>RENAL</u> <u>Renal disease</u>
239	1	<u>RH</u> <u>Rh sensitization</u>
240	1	<u>UTERINE</u> <u>Uterine bleeding</u>
241	1	<u>OTHERMR</u> <u>Other Medical Risk Factors</u>
242-252	11	<u>OTHERRSK</u> <u>Other Risk Factors for this Pregnancy</u>
242-245	4	<u>TOBACRSK</u> <u>Tobacco Risks</u>
242	1	<u>TOBACCO</u> <u>Tobacco Use During Pregnancy</u>
		1 ... Yes
		2 ... No
		9 ... Unknown or not stated

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
243-244	2	<u>CIGAR</u> <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> <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> <u>Alcohol</u>
246	1	<u>ALCOHOL</u> <u>Alcohol Use During Pregnancy</u> 1 ... Yes 2 ... No 9 ... Unknown or not stated
247-249	2	<u>DRINK</u> <u>Average Number of Drinks Per Week</u> 00-97 ... As stated 98 ... 98 or more drinks per week 99 ... Unknown or not stated
249	1	<u>DRINK5</u> <u>Average Number of Drinks Per Week Recode</u> 0 ... Non drinker 1 ... 1 drink per week 2 ... 2 drinks per week 3 ... 3 - 4 drinks per week 4 ... 5 or more drinks per week 5 ... Unknown or not stated

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
250-252	3	<u>WTGANRSK</u> <u>Weight Gain During Pregnancy</u>
250-251	2	<u>WTGAIN</u> <u>Weight Gain</u>
		00-97 ... Stated number of pounds
		98 ... 98 pounds or more
		99 ... Unknown or not stated
252	1	<u>WTGAIN9</u> <u>Weight Gain Recode</u>
		1 ... Less than 16 pounds
		2 ... 16 - 20 pounds
		3 ... 21 - 25 pounds
		4 ... 26 - 30 pounds
		5 ... 31 - 35 pounds
		6 ... 36 - 40 pounds
		7 ... 41 - 45 pounds
		8 ... 46 or more pounds
		9 ... Unknown or not stated
253-259	7	<u>OBSTETRC</u> <u>Obstetric Procedures</u>
		Each procedure is assigned a separate position, and the code structure for each procedure (position) is:
		1 ... Procedure reported
		2 ... Procedure not reported
		8 ... Procedure not on certificate
		9 ... Procedure not classifiable
253	1	<u>AMNIO</u> <u>Amniocentesis</u>
254	1	<u>MONITOR</u> <u>Electronic fetal monitoring</u>
255	1	<u>INDUCT</u> <u>Induction of labor</u>
256	1	<u>STIMULA</u> <u>Stimulation of labor</u>

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<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
257	1	<u>TOCOL</u> <u>Tocolysis</u>
258	1	<u>ULTRAS</u> <u>Ultrasound</u>
259	1	<u>OTHEROB</u> <u>Other Obstetric Procedures</u>
260-275	16	<u>LABOR</u> <u>Complications of Labor and/or Delivery</u> Each complication is assigned a separate position, and the code structure for each complication (position) is: 1 ... Complication reported 2 ... Complication not reported 8 ... Complication not on certificate 9 ... Complication not classifiable
260	1	<u>FEBRILE</u> <u>Febrile (>100 degrees F. or 38 degrees C.)</u>
261	1	<u>MECONIUM</u> <u>Meconium, moderate/heavy</u>
262	1	<u>RUPTURE</u> <u>Premature rupture of membrane (>12 hours)</u>
263	1	<u>ABRUPTIO</u> <u>Abruptio placenta</u>
264	1	<u>PREPLACE</u> <u>Placenta previa</u>
265	1	<u>EXCEBLD</u> <u>Other excessive bleeding</u>
266	1	<u>SEIZURE</u> <u>Seizures during labor</u>
267	1	<u>PRECIP</u> <u>Precipitous labor (<3 hours)</u>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>												
268	1	<u>PROLONG</u> <u>Prolonged labor (>20 hours)</u>												
269	1	<u>DYSFUNC</u> <u>Dysfunctional labor</u>												
270	1	<u>BREECH</u> <u>Breech/Malpresentation</u>												
271	1	<u>CEPHALO</u> <u>Cephalopelvic disproportion</u>												
272	1	<u>CORD</u> <u>Cord prolapse</u>												
273	1	<u>ANESTHE</u> <u>Anesthetic complications</u>												
274	1	<u>DISTRESS</u> <u>Fetal distress</u>												
275	1	<u>OTHERLE</u> <u>Other Complication of Labor and/or Delivery</u>												
276-284	9	<u>NEWBORN</u> <u>Abnormal Conditions of the Newborn</u>												
<p>Each condition is assigned a separate position, and the code structure for each condition (position) is:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td> <td>...</td> <td>Condition reported</td> </tr> <tr> <td>2</td> <td>...</td> <td>Condition not reported</td> </tr> <tr> <td>8</td> <td>...</td> <td>Condition not on certificate</td> </tr> <tr> <td>9</td> <td>...</td> <td>Condition not classifiable</td> </tr> </table>			1	...	Condition reported	2	...	Condition not reported	8	...	Condition not on certificate	9	...	Condition not classifiable
1	...	Condition reported												
2	...	Condition not reported												
8	...	Condition not on certificate												
9	...	Condition not classifiable												
276	1	<u>NANEMIA</u> <u>Anemia (Hct.<39/Hgb.<13)</u>												
277	1	<u>INJURY</u> <u>Birth injury</u>												
278	1	<u>ALCOSYN</u> <u>Fetal alcohol syndrome</u>												
279	1	<u>HYALINE</u> <u>Hyaline membrane disease</u>												

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>												
280	1	<u>MECONSYN</u> <u>Meconium aspiration syndrome</u>												
281	1	<u>VENL30</u> <u>Assisted ventilation, less than 30 minutes</u>												
282	1	<u>VEN30M</u> <u>Assisted ventilation, 30 minutes or more</u>												
283	1	<u>NSEIZ</u> <u>Seizures</u>												
284	1	<u>OTHERAB</u> <u>Other Abnormal Conditions of the Newborn</u>												
285-306	22	<u>CONGENIT</u> <u>Congenital Anomalies</u> Each anomaly is assigned a separate position, and the code structure for each anomaly (position) is: <table style="margin-left: 40px;"> <tr> <td>1</td> <td>...</td> <td>Anomaly reported</td> </tr> <tr> <td>2</td> <td>...</td> <td>Anomaly not reported</td> </tr> <tr> <td>8</td> <td>...</td> <td>Anomaly not on certificate</td> </tr> <tr> <td>9</td> <td>...</td> <td>Anomaly not classifiable</td> </tr> </table>	1	...	Anomaly reported	2	...	Anomaly not reported	8	...	Anomaly not on certificate	9	...	Anomaly not classifiable
1	...	Anomaly reported												
2	...	Anomaly not reported												
8	...	Anomaly not on certificate												
9	...	Anomaly not classifiable												
285	1	<u>ANEN</u> <u>Anencephalus</u>												
286	1	<u>SPINA</u> <u>Spina bifida/Meningocele</u>												
287	1	<u>HYDRO</u> <u>Hydrocephalus</u>												
288	1	<u>MICROCE</u> <u>Microcephalus</u>												
289	1	<u>NERVOUS</u> <u>Other central nervous system anomalies</u>												
290	1	<u>HEART</u> <u>Heart malformations</u>												
291	1	<u>CIRCUL</u> <u>Other circulatory/respiratory anomalies</u>												

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
292	1	<u>RECTAL</u> <u>Rectal atresia/stenosis</u>
293	1	<u>TRACHEO</u> <u>Tracheo - esophageal fistula/Esophageal atresia</u>
294	1	<u>OMPHALO</u> <u>Omphalocele/Gastroschisis</u>
295	1	<u>GASTRO</u> <u>Other gastrointestinal anomalies</u>
296	1	<u>GENITAL</u> <u>Malformed genitalia</u>
297	1	<u>RENALAGE</u> <u>Renal agenesis</u>
298	1	<u>UROGEN</u> <u>Other urogenital anomalies</u>
299	1	<u>CLEFTLP</u> <u>Cleft lip/palate</u>
300	1	<u>ADACTYLY</u> <u>Polydactyly/Syndactyly/Adactyly</u>
301	1	<u>CLUBFOOT</u> <u>Club foot</u>
302	1	<u>HERNIA</u> <u>Diaphragmatic hernia</u>
303	1	<u>MUSCULO</u> <u>Other musculoskeletal/integumental anomalies</u>
304	1	<u>DOWNS</u> <u>Down's syndrome</u>
305	1	<u>CHROMO</u> <u>Other chromosomal anomalies</u>
306	1	<u>OTHERCON</u> <u>Other Congenital Anomalies</u>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
307-326	20	<p><u>FLRES</u> <u>Reporting Flags for Place of Residence</u></p> <p>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:</p> <p>0 ... The item is not reported 1 ... The item is reported or partially reported.</p>
307	1	<p><u>ORIGM</u> <u>Origin of mother</u></p>
308	1	<p><u>ORIGF</u> <u>Origin of father</u></p>
309	1	<p><u>EDUCM</u> <u>Education of mother</u></p>
310	1	<p><u>EDUCF</u> <u>Education of father</u></p>
311	1	<p><u>GESTE</u> <u>Clinical estimate of gestation</u></p>
312	1	<p><u>R6A</u> <u>Reserved position</u></p>
313	1	<p><u>FMAPSRF</u> <u>5 - minute Apgar score</u></p>
314	1	<p><u>DELMETRF</u> <u>Method of delivery</u></p>
315	1	<p><u>MEDRSK</u> <u>Medical risk factors</u></p>
316	1	<p><u>TOBUSE</u> <u>Tobacco use</u></p>
317	1	<p><u>ALCUSE</u> <u>Alcohol use</u></p>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
318	1	<u>WTGN</u> <u>Weight gain</u>
319	1	<u>OBSTRC</u> <u>Obstetric procedures</u>
320	1	<u>CLABOR</u> <u>Complications of labor and/or delivery</u>
321	1	<u>ABNML</u> <u>Abnormal conditions of newborn</u>
322	1	<u>CONGAN</u> <u>Congenital anomalies</u>
323	1	<u>R6</u> <u>Reserved Position</u>
324	1	<u>EDUCMSA</u> <u>Education of Mother (Based on MSA)</u>
325	1	<u>APIFLAG</u> <u>Race codes 18-68 reported (beginning with 1992 data)</u>
326-346	21	<u>R7</u> <u>Reserved positions</u>
347-349	3	<u>SMSARES</u> <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

1996
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 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 Bureau of Standards (NBS) 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 Codes				City P/S		Area Names	FIPS Codes			Place
St	Cnty	P/MSA	M/NM	City	P/S		St	Cnty	P/MSA	
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	Dzark				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 Geographic Code Outline For The United States
Effective With 1996 Data.

Vital Statistics Codes					FIPS Codes				Place		
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty		P/S	P/MSA
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	999	9	Lamar		075	6	0000	
	039	094	1			Lauderdale		077	4	2650	
				016	5	Florence					26896
				999	9	Balance of county					99999
	040	072	1	999	9	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	999	9	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	999	9	Marengo		091	6	0000	
	047	000	2	999	9	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	999	9	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	999	9	Perry		105	6	0000	
	054	000	2	999	9	Pickens		107	6	0000	
	055	000	2			Pike		109	5	0000	
				043	6	Troy					76920
				999	9	Balance of county					99999
	056	000	2	999	9	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	999	9	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	999	9	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 Geographic Code Outline For The United States
 Effective With 1996 Data.

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		Washington		129	6	0000	
	066	000	2		Wilcox		131	6	0000	
	067	000	2		Winston		133	6	0000	

Vital Statistics Geographic Code Outline For The United States
Effective With 1996 Data.

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	001	000	2			Arkansas	05
						Arkansas	001 6 0000
				024	6	Stuttgart	
				999	9	Balance of county	67490 99999
	002	000	2			Ashley	003 6 0000
	003	000	2			Baxter	005 5 0000
	004	092	1			Benton	007 4 2580
				003	6	Bentonville	
				019	6	Rogers	05320 60410 66080 99999
				023	5	Springdale, part	
				999	9	Balance of county	
	005	000	2			Boone	009 5 0000
	006	000	2			Bradley	011 6 0000
	007	000	2			Calhoun	013 6 0000
	008	000	2			Carroll	015 6 0000
	009	000	2			Chicot	017 6 0000
	010	000	2			Clark	019 6 0000
				001	6	Arkadelphia	
				999	9	Balance of county	01870 99999
	011	000	2			Clay	021 6 0000
	012	000	2			Cleburne	023 6 0000
	013	000	2			Cleveland	025 6 0000
	014	000	2			Columbia	027 5 0000
				015	6	Magnolia	
				999	9	Balance of county	43460 99999
	015	000	2			Conway	029 6 0000
	016	000	2			Craighead	031 4 0000
				013	5	Jonesboro	
				999	9	Balance of county	35710 99999
	017	100	1			Crawford	033 5 2720
				026	6	Van Buren	
				999	9	Balance of county	71480 99999
	018	178	1			Crittenden	035 5 4920
				028	5	West Memphis	
				999	9	Balance of county	74540 99999
	019	000	2			Cross	037 6 0000
	020	000	2			Dallas	039 6 0000
	021	000	2			Desha	041 6 0000
	022	000	2			Drew	043 6 0000
	023	166	1			Faulkner	045 4 4400
				006	5	Conway	
				999	9	Balance of county	15190 99999
	024	000	2			Franklin	047 6 0000
	025	000	2			Fulton	049 6 0000
	026	000	2			Garland	051 4 0000
				011	5	Hot Springs	
				999	9	Balance of county	33460 99999
	027	000	2			Grant	053 6 0000
	028	000	2			Greene	055 5 0000
				017	6	Paragould	
				999	9	Balance of county	53390 99999
	029	000	2			Hempstead	057 6 0000
	030	000	2			Hot Spring	059 5 0000
	031	000	2			Howard	061 6 0000
	032	000	2			Independence	063 5 0000
	033	000	2			Izard	065 6 0000
	034	000	2			Jackson	067 6 0000
	035	216	1			Jefferson	069 4 6240
				018	4	Pine Bluff	
				999	9	Balance of county	55310 99999
	036	000	2			Johnson	071 6 0000
	037	000	2			Lafayette	073 6 0000
	038	000	2			Lawrence	075 6 0000
	039	000	2			Lee	077 6 0000
	040	000	2			Lincoln	079 6 0000
	041	000	2			Little River	081 6 0000
	042	000	2			Logan	083 6 0000
	043	166	1			Lonoke	085 5 4400
	044	000	2			Madison	087 6 0000
	045	000	2			Marion	089 6 0000
	046	281	1			Miller	091 5 8360
				025	6	Texarkana	
				999	9	Balance of county	68810 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			Mississippi, con.	093	4	0000	99999
			999 9	Balance of county				
	048	000	2	Monroe	095	6	0000	
	049	000	2	Montgomery	097	6	0000	
	050	000	2	Nevada	099	6	0000	
	051	000	2	Newton	101	6	0000	
	052	000	2	Ouachita	103	5	0000	
			005 6	Camden				10720
			999 9	Balance of county				99999
	053	000	2	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	Pike	109	6	0000	
	056	000	2	Poinsett	111	6	0000	
	057	000	2	Polk	113	6	0000	
	058	000	2	Pope	115	5	0000	
			020 6	Russellville				61670
			999 9	Balance of county				99999
	059	000	2	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	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	Scott	127	6	0000	
	065	000	2	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	Sevier	133	6	0000	
	068	000	2	Sharp	135	6	0000	
	069	000	2	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	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	Woodruff	147	6	0000	
	075	000	2	Yell	149	6	0000	

Vital Statistics Codes				FIPS Codes				Place	
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA		
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	

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Vital Statistics Codes				City P/S Area Names		FIPS Codes				Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA		Place
05					California	06				
	016				Kings, con.		031	3	0000	
			999	9	Balance of county					99999
	017	000	2		Lake		033	4	0000	
			046	6	Clearlake					13945
			999	9	Balance of county					99999
	018	000	2		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					19990
			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				Place
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA		
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	Rocklin				62364
			224	Roseville				62938
			999	Balance of county				99999
	032	000	2	Plumas	063	6	0000	
	033	233	1	Riverside	065	0	6780	
			018	Banning				03820
			039	Cathedral City				12048
			048	Coachella				14260
			054	Corona				16350
			067	Desert Hot Springs				18996
			104	Hemet				33182
			114	Indio				36448
			122	Lake Elsinore				39486
			129	La Quinta				40354
			168	Moreno Valley				49270
			175	Norco				51560
			189	Palm Desert				55184
			190	Palm Springs				55254
			196	Perris				56700
			220	Riverside				62000
			239	San Jacinto				67112
			277	Temecula				78120
			999	Balance of county				99999
	034	239	1	Sacramento	067	0	6920	
			086	Folsom				24638
			225	Sacramento				64000
			999	Balance of county				99999
	035	000	2	San Benito	069	5	0000	
			110	Hollister				34120
			999	Balance of county				99999
	036	233	1	San Bernardino	071	0	6780	
			007	Apple Valley				02364
			019	Barstow				04030
			043	Chino				13210
			049	Colton				14890
			087	Fontana				24680
			098	Grand Terrace				30658
			107	Hesperia				33434
			108	Highland				33588
			137	Loma Linda				42370
			162	Montclair				48788
			181	Ontario				53896
			209	Rancho Cucamonga				59451
			213	Redlands				59962
			217	Rialto				60466
			228	San Bernardino				65000
			285	Twentynine Palms				80994
			288	Upland				81344
			291	Victorville				82590
			306	Yucaipa				87042
			999	Balance of county				99999
	037	249	1	San Diego	073	0	7320	
			036	Carlsbad				11194
			044	Chula Vista				13392
			055	Coronado				16378
			075	El Cajon				21712
			081	Encinitas				22678
			082	Escondido				22804
			113	Imperial Beach				36294
			124	La Mesa				40004
			133	Lemon Grove				41124
			172	National City				50398
			180	Oceanside				53322
			208	Poway				58520
			233	San Diego				66000
			244	San Marcos				68196
			260	Santee				70224
			267	Solana Beach				72506
			293	Vista				82996
			999	Balance of county				99999
	038	250	1	San Francisco, coext. with San Francisco	075	1	7360	67000
	039	274	1	San Joaquin	077	2	8120	
			136	Lodi				42202

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

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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	999 9	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	999 9	Archuleta	007	6	0000	
005	000	2	999 9	Baca	009	6	0000	
006	000	2	999 9	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	999 9	Chaffee	015	6	0000	
009	000	2	999 9	Cheyenne	017	6	0000	
010	000	2	999 9	Clear Creek	019	6	0000	
011	000	2	999 9	Conejos	021	6	0000	
012	000	2	999 9	Costilla	023	6	0000	
013	000	2	999 9	Crowley	025	6	0000	
014	000	2	999 9	Custer	027	6	0000	
015	000	2	999 9	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	999 9	Eagle	037	6	0000	
020	000	2	999 9	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	999 9	Garfield	045	5	0000	
024	000	2	999 9	Gilpin	047	6	0000	
025	000	2	999 9	Grand	049	6	0000	
026	000	2	999 9	Gunnison	051	6	0000	
027	000	2	999 9	Hinsdale	053	6	0000	
028	000	2	999 9	Huerfano	055	6	0000	
029	000	2	999 9	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	999 9	Kiowa	061	6	0000	
032	000	2	999 9	Kit Carson	063	6	0000	
033	000	2	999 9	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	

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Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
07	001	194	1			Connecticut	09				
						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	

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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					
	001	078	1			Kent	10				
				001	5	Dover	001	3		2190	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	

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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			Escambia, con.	033	2	6080	
			999 9	Balance of county				99999
	018	071	1	Flagler	035	5	2020	
	019	000	2	Franklin	037	6	0000	
	020	278	1	Gadsden	039	5	8240	
	021	000	2	Gilchrist	041	6	0000	
	022	000	2	Glades	043	6	0000	
	023	000	2	Gulf	045	6	0000	
	024	000	2	Hamilton	047	6	0000	
	025	000	2	Hardee	049	6	0000	
	026	000	2	Hendry	051	5	0000	
	027	279	1	Hernando	053	3	8280	
	028	000	2	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	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	Jackson	063	5	0000	
	033	000	2	Jefferson	065	6	0000	
	034	000	2	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	Levy	075	5	0000	
	039	000	2	Liberty	077	6	0000	
	040	000	2	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	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	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			Barth		015	4	0520	
				010	6	Cartersville					13608
				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	001 4	Dougherty	095	4	0120	
			999 9	Albany				01052
			999 9	Balance of county				99999
048	016	1	018 6	Douglas	097	4	0520	
			999 9	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	032 6	Fayette	113	4	0520	
			999 9	Peachtree City				59724
			999 9	Balance of county				99999
057	000	2	033 5	Floyd	115	4	0000	
			999 9	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	002 6	Fulton	121	1	0520	
			005 2	Alpharetta				01696
			011 6	Atlanta, part				04000
			020 5	College Park, part				17776
			034 5	East Point				25720
			999 9	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	008 6	Glynn	127	4	0000	
			999 9	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	026 6	Gwinnett	135	2	0520	
			037 6	Lawrenceville				45488
			999 9	Snellville				71604
			999 9	Balance of county				99999
068	000	2	999 9	Habersham	137	5	0000	
069	000	2	022 6	Hall	139	4	0000	
			999 9	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	043 5	Houston	153	4	4680	
			999 9	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	027 3	Jones	169	6	4680	
			999 9	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	019 6	Laurens	175	5	0000	
			999 9	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			Lincoln	181	6	0000	
091	000	2			Long	183	6	0000	
092	000	2			Lowndes	185	4	0000	
			041	5	Valdosta				78800
			999	9	Balance of county				99999
093	000	2			Lumpkin	187	6	0000	
094	018	1			McDuffie	189	6	0600	
095	000	2			McIntosh	191	6	0000	
096	000	2			Macon	193	6	0000	
097	015	1			Madison	195	6	0500	
098	000	2			Marion	197	6	0000	
099	000	2			Meriwether	199	6	0000	
100	000	2			Miller	201	6	0000	
101	000	2			Mitchell	205	6	0000	
102	000	2			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			Morgan	211	6	0000	
105	000	2			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			Oconee	219	6	0500	
109	000	2			Oglethorpe	221	6	0000	
110	016	1			Paulding	223	5	0520	
111	172	1			Peach	225	6	4680	
112	016	1			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			Pike	231	6	0000	
115	000	2			Polk	233	5	0000	
116	000	2			Pulaski	235	6	0000	
117	000	2			Putnam	237	6	0000	
118	000	2			Quitman	239	6	0000	
119	000	2			Rabun	241	6	0000	
120	000	2			Randolph	243	6	0000	
121	018	1			Richmond	245	3	0600	
			006	5	Augusta				04196
			999	9	Balance of county				99999
122	016	1			Rockdale	247	4	0520	
123	000	2			Schley	249	6	0000	
124	000	2			Screven	251	6	0000	
125	000	2			Seminole	253	6	0000	
126	016	1			Spalding	255	4	0520	
			023	6	Griffin				35324
			999	9	Balance of county				99999
127	000	2			Stephens	257	6	0000	
128	000	2			Stewart	259	6	0000	
129	000	2			Sumter	261	5	0000	
			003	6	Americus				02116
			999	9	Balance of county				99999
130	000	2			Talbot	263	6	0000	
131	000	2			Taliaferro	265	6	0000	
132	000	2			Tattnall	267	6	0000	
133	000	2			Taylor	269	6	0000	
134	000	2			Telfair	271	6	0000	
135	000	2			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 Geographic Code Outline For The United States
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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		Kalawao	005	6	0000	
004	000	2		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 Geographic Code Outline For The United States
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Vital Statistics Codes				Area Names		FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	St	Cnty	P/S	P/MSA	Place
14						17				
	001	000	2				001	4	0000	
				138	5					62367
				999	9					99999
	002	000	2	999	9		003	6	0000	
	003	000	2	999	9		005	6	0000	
	004	237	1				007	5	6880	
				011	6					05092
				999	9					99999
	005	000	2	999	9		009	6	0000	
	006	000	2	999	9		011	5	0000	
	007	000	2	999	9		013	6	0000	
	008	000	2	999	9		015	6	0000	
	009	000	2	999	9		017	6	0000	
	010	048	1				019	3	1400	
				032	4					12385
				139	6					62783
				160	5					77005
				999	9					99999
	011	000	2				021	5	0000	
				158	6					74574
				999	9					99999
	012	000	2	999	9		023	6	0000	
	013	000	2	999	9		025	6	0000	
	014	243	1				027	5	7040	
				031	6					12164
				999	9					99999
	015	000	2				029	4	0000	
				033	6					12567
				105	6					47553
				999	9					99999
	016	055	1				031	0	1600	
				003	6					01010
				005	4					02154
				007	6					04013
				010	6					04975
				012	6					05248
				013	5					05573
				016	6					06704
				020	6					08225
				021	6					08576
				022	5					09447
				023	5					09642
				025	5					10487
				034	0					14000
				035	5					14026
				036	6					14065
				037	4					14351
				039	6					16691
				041	6					17497
				046	6					18992
				048	4					19642
				050	6					20292
				057	4					23074
				058	5					23256
				060	6					23724
				061	4					24582
				062	6					24634
				064	6					26935
				065	6					27702
				071	5					29938
				074	5					32746
				075	5					33383
				076	6					33695
				078	6					34514
				080	6					35307
				081	5					35411
				082	6					35879
				085	6					38830
				088	6					40793
				089	6					40767
				092	5					42028
				095	6					43744
				103	6					47007
				104	6					47540

Vital Statistics Codes				FIPS Codes				Place	
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA		
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 Geographic Code Outline For The United States
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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			174	6	Du Page, con.	043 1 1600
				175	5	Wood Dale	82985
				999	9	Woodridge village, part	83245
				999	9	Balance of county	99999
	023	000	2	999	9	Edgar	045 6 0000
	024	000	2	999	9	Edwards	047 6 0000
	025	000	2			Effingham	049 5 0000
				056	6	Effingham	22736
				999	9	Balance of county	99999
	026	000	2	999	9	Fayette	051 6 0000
	027	000	2	999	9	Ford	053 6 0000
	028	000	2	999	9	Franklin	055 5 0000
	029	000	2			Fulton	057 5 0000
				026	6	Canton	11007
				999	9	Balance of county	99999
	030	000	2	999	9	Gallatin	059 6 0000
	031	000	2	999	9	Greene	061 6 0000
	032	055	1			Grundy	063 5 1600
				110	6	Morris	50491
				999	9	Balance of county	99999
	033	000	2	999	9	Hamilton	065 6 0000
	034	000	2	999	9	Hancock	067 6 0000
	035	000	2	999	9	Hardin	069 6 0000
	036	000	2	999	9	Henderson	071 6 0000
	037	069	1			Henry	073 4 1960
				087	6	Kewanee	39727
				999	9	Balance of county	99999
	038	000	2	999	9	Iroquois	075 5 0000
	039	000	2			Jackson	077 4 0000
				027	5	Carbondale	11163
				999	9	Balance of county	99999
	040	000	2	999	9	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	999	9	Jersey	083 6 7040
	043	000	2	999	9	Jo Daviess	085 6 0000
	044	000	2	999	9	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	999	9	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				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

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Vital Statistics Codes				FIPS Codes				Place
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA	
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	

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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

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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	Sheridan	179	6	0000	
	091	000	2	Sherman	181	6	0000	
	092	000	2	Smith	183	6	0000	
	093	000	2	Stafford	185	6	0000	
	094	000	2	Stanton	187	6	0000	
	095	000	2	Stevens	189	6	0000	
	096	000	2	Sumner	191	5	0000	
	097	000	2	Thomas	193	6	0000	
	098	000	2	Trego	195	6	0000	
	099	000	2	Wabaunsee	197	6	0000	
	100	000	2	Wallace	199	6	0000	
	101	000	2	Washington	201	6	0000	
	102	000	2	Wichita	203	6	0000	
	103	000	2	Wilson	205	6	0000	
	104	000	2	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				Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	
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
	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

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Vital Statistics Codes		Codes		Area Names		FIPS Codes			Place	
St	Cnty	P/MSA	M/NM	City	P/S	St	Cnty	P/S	P/MSA	Place
18						21				
	049	000	2	999	9		097	6	0000	
	050	000	2	999	9		099	6	0000	
	051	089	1				101	5	2440	
				012	5					35866
				999	9					99999
	052	000	2	999	9		103	6	0000	
	053	000	2	999	9		105	6	0000	
	054	000	2				107	5	0000	
				018	6					49368
				999	9					99999
	055	000	2	999	9		109	6	0000	
	056	169	1				111	1	4520	
				015	6					40222
				017	2					48000
				027	6					67944
				028	6					70284
				999	9					99999
	057	163	1				113	5	4280	
				022	6					56136
				999	9					99999
	058	000	2	999	9		115	6	0000	
	059	057	1				117	3	1640	
				003	5					17848
				006	6					25300
				014	6					39142
				999	9					99999
	060	000	2	999	9		119	6	0000	
	061	000	2	999	9		121	5	0000	
	062	000	2	999	9		123	6	0000	
	063	000	2	999	9		125	5	0000	
	064	000	2	999	9		127	6	0000	
	065	000	2	999	9		129	6	0000	
	066	000	2	999	9		131	6	0000	
	067	000	2	999	9		133	5	0000	
	068	000	2	999	9		135	6	0000	
	069	000	2	999	9		137	6	0000	
	070	000	2	999	9		139	6	0000	
	071	000	2	999	9		141	6	0000	
	072	000	2	999	9		143	6	0000	
	073	000	2				145	4	0000	
				024	5					58836
				999	9					99999
	074	000	2	999	9		147	6	0000	
	075	000	2	999	9		149	6	0000	
	076	163	1				151	4	4280	
				026	6					65226
				999	9					99999
	077	000	2	999	9		153	6	0000	
	078	000	2	999	9		155	6	0000	
	079	000	2	999	9		157	5	0000	
	080	000	2	999	9		159	6	0000	
	081	000	2	999	9		161	6	0000	
	082	000	2	999	9		163	6	0000	
	083	000	2	999	9		165	6	0000	
	084	000	2	999	9		167	6	0000	
	085	000	2	999	9		169	6	0000	
	086	000	2	999	9		171	6	0000	
	087	000	2	999	9		173	6	0000	
	088	000	2	999	9		175	6	0000	
	089	000	2	999	9		177	5	0000	
	090	000	2	999	9		179	5	0000	
	091	000	2	999	9		181	6	0000	
	092	000	2	999	9		183	6	0000	
	093	169	1	999	9		185	5	4520	
	094	000	2	999	9		187	6	0000	
	095	000	2	999	9		189	6	0000	
	096	057	1	999	9		191	6	1640	
	097	000	2	999	9		193	5	0000	
	098	000	2	999	9		195	4	0000	
	099	000	2	999	9		197	6	0000	
	100	000	2				199	5	0000	
				029	6					71688
				999	9					99999
	101	000	2	999	9		201	6	0000	

Vital Statistics Geographic Code Outline For The United States
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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				Area Names		FIPS Codes			Place
St Cnty	P/MSA	M/NM	City	P/S		St Cnty	P/S	P/MSA	
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	Red River	081	6	0000	
	042	000	2	999	Richland	083	6	0000	
	043	000	2	999	Sabine	085	6	0000	
	044	196	1	999	St. Bernard	087	4	5560	
	045	196	1	999	St. Charles	089	5	5560	
	046	000	2	999	St. Helena	091	6	0000	
	047	196	1	999	St. James	093	6	5560	
	048	196	1	999	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	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	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	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	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	West Baton Rouge	121	6	0760	
	062	000	2	999	West Carroll	123	6	0000	
	063	000	2	999	West Feliciana	125	6	0000	
	064	000	2	999	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			Franklin	007	5	0000	
005	000	2			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			Knox	013	5	0000	
008	000	2			Lincoln	015	5	0000	
009	000	2			Oxford	017	4	0000	
010	022	1			Penobscot	019	3	0733	
			003	5	Bangor				02795
			999	9	Balance of county				99999
011	000	2			Piscataquis	021	6	0000	
012	000	2			Sagadahoc	023	5	0000	
013	000	2			Somerset	025	5	0000	
014	000	2			Waldo	027	5	0000	
015	000	2			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

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Vital Statistics Codes				City P/S		Area Names	FIPS Codes			Place
St	Cnty	P/MSA	M/NM	City	P/S		St	Cnty	P/S	
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	999	9	Baltimore	005	1	0720	
	004	021	1	003	1	Baltimore city	510	1	0720	04000
	005	296	1	999	9	Calvert	009	4	8840	
	006	000	2	999	9	Caroline	011	5	0000	
	007	021	1			Carroll	013	3	0720	
				018	6	Westminster				83100
				999	9	Balance of county				99999
	008	304	1	999	9	Cecil	015	4	9160	
	009	296	1	999	9	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	999	9	Garrett	023	5	0000	
	013	021	1			Harford	025	3	0720	
				001	6	Aberdeen				00125
				999	9	Balance of county				99999
	014	021	1	999	9	Howard	027	3	0720	
	015	000	2	999	9	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	999	9	Queen Anne's	035	5	0720	
	019	000	2	999	9	St. Mary's	037	4	0000	
	020	000	2	999	9	Somerset	039	6	0000	
	021	000	2	999	9	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	999	9	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	St Cnty	P/S	P/MSA	Place
22				Massachusetts	25			
	009			Middlesex, con.	017	0	1123	
			078 4	Somerville				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				City P/S		Area Names	FIPS Codes				Place
St Cnty	P/MSA	M/NM	City	P/S			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	999	9	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	999	9	Keweenaw		083	6	0000	
	043	000	2	999	9	Lake		085	6	0000	
	044	076	1	999	9	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	999	9	Livingston		093	3	0440	
	048	000	2	999	9	Luce		095	6	0000	
	049	000	2	999	9	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	999	9	Manistee		101	6	0000	
	052	000	2			Marquette		103	4	0000	
				061	6	Marquette					51900
				999	9	Balance of county					99999
	053	000	2	999	9	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	999	9	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	999	9	Missaukee		113	6	0000	
	058	076	1			Monroe		115	3	2160	
				065	6	Monroe					55020
				999	9	Balance of county					99999
	059	000	2	999	9	Montcalm		117	4	0000	
	060	000	2	999	9	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	999	9	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				
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
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	Oceana	127	6	0000	
	065	000	2	999	Ogemaw	129	6	0000	
	066	000	2	999	Ontonagon	131	6	0000	
	067	000	2	999	Osceola	133	6	0000	
	068	000	2	999	Oscoda	135	6	0000	
	069	000	2	999	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	Presque Isle	141	6	0000	
	072	000	2	999	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	Sanilac	151	5	0000	
	077	000	2	999	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	Tuscola	157	4	0000	
	080	143	1	999	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

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

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					99999
	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					99999
	005	241	1			Benton		009	5	6980	
				061	5	St. Cloud, part					56896
				999	9	Balance of county					99999
	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					99999
	008	000	2			Brown		015	5	0000	
				047	6	New Ulm					46042
				999	9	Balance of county					99999
	009	000	2			Carlton		017	5	0000	
				016	6	Cloquet					12160
				999	9	Balance of county					99999
	010	183	1			Carver		019	5	5120	
				014	6	Chanhausen, part					10918
				015	6	Chaska					10972
				999	9	Balance of county					99999
	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					99999
	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					99999
	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					99999
	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					99999
	025	000	2			Goodhue		049	5	0000	
				056	6	Red Wing					53620
				999	9	Balance of county					99999
	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	Chanhausen, part					10918
				020	6	Crystal					14158
				023	5	Eden Prairie					18116

Vital Statistics Codes				FIPS Codes				Place
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA	
24				Minnesota	27			
	027			Hennepin, con.	053	0	5120	
			024	5 Edina				18188
			030	6 Golden Valley				24308
			033	6 Hopkins				30140
			038	5 Maple Grove				40166
			041	2 Minneapolis				43000
			042	5 Minnetonka				43252
			046	6 New Hope				45628
			053	4 Plymouth				51730
			057	5 Richfield				54214
			058	6 Robbinsdale				54808
			062	5 St. Louis Park				57220
			999	9 Balance of county				99999
	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	999	9 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	999	9 Lyon	083	6	0000
			040	6 Marshall				40688
			999	9 Balance of county				99999
	043	000	2	999	9 McLeod	085	5	0000
			034	6 Hutchinson				30644
			999	9 Balance of county				99999
	044	000	2	999	9 Mahnomon	087	6	0000
	045	000	2	999	9 Marshall	089	6	0000
	046	000	2	999	9 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	999	9 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	999	9 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	999	9 Olmsted	109	3	6820
			059	4 Rochester				54880
			999	9 Balance of county				99999
	056	000	2	999	9 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	999	9 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	999 9	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	999 9	St. Louis	137	3	2240	
			021 4	Duluth				17000
			032 6	Hibbing				28790
			999 9	Balance of county				99999
070	183	1	999 9	Scott	139	4	5120	
			054 6	Prior Lake				52594
			064 6	Shakopee				59350
			999 9	Balance of county				99999
071	183	1	999 9	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	999 9	Stearns	145	3	6980	
			061 5	St. Cloud, part				56896
			999 9	Balance of county				99999
074	000	2	999 9	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	999 9	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	Watsonwan	165	6	0000	
084	000	2	999 9	Wilkin	167	6	0000	
085	000	2	999 9	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	

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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		

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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					
	042	000	2			Leflore	083	5		0000	29340
				012	6	Greenwood					99999
				999	9	Balance of county					
	043	000	2			Lincoln	085	5		0000	08820
				003	6	Brookhaven					99999
				999	9	Balance of county					
	044	000	2			Lowndes	087	4		0000	15380
				008	6	Columbus					99999
				999	9	Balance of county					
	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					
	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	08300
				002	6	Brandon					36000
				017	3	Jackson, part					55760
				027	6	Pearl					99999
				999	9	Balance of county					
	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

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Vital Statistics Codes				City P/S		Area Names	FIPS Codes			Place	
St	Cnty	P/MSA	M/NM	City	P/S		St	Cnty	P/S	P/MSA	
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			Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	
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

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St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	
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	

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St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA	Place
28				Nebraska	31			
001	000	2	006 6	Adams	001	5	0000	
			999 9	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	999 9	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	999 9	Dodge	053	5	0000	
			004 6	Fremont				17670
			999 9	Balance of county				99999
028	206	1	999 9	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	999 9	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	999 9	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	999 9	Lancaster	109	3	4360	
			008 3	Lincoln				28000
			999 9	Balance of county				99999
056	000	2	999 9	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	

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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			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	001	017	1			New Jersey	34				
						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			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

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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			
	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				Place				
St	Cnty	P/MSA	M/NM	City	P/S	Area	Names		St	Cnty	P/S	P/MSA
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 Geographic Code Outline For The United States
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Vital Statistics Codes				FIPS Codes				Place
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA	
33				New York	36			
	026			Monroe, con.	055	1	6840	
			039	5				34099
			040	4				37726
			072	5				57144
			078	3				63000
			999	9				99999
	027	004	1	Montgomery	057	4	0160	
			002	6				02066
			999	9				99999
	028	193	1	Nassau	059	0	5380	
			022	6				22876
			025	6				26264
			027	5				27485
			029	6				28178
			032	6				29113
			038	5				33139
			050	5				43335
			051	6				43874
			054	6				45997
			057	6				47636
			079	6				63264
			094	5				76705
			098	6				79444
			999	9				99999
	029	197	1	New York city				5600
			010	0		005	0	
			011	0		047	0	
			053	0		061	0	
			077	0		081	0	
			087	0		085	0	
	030	043	1	Niagara	063	3	1280	
			049	6				43082
			061	4				51055
			063	5				53682
			999	9				99999
	031	289	1	Oneida	065	2	8680	
			080	5				63418
			093	4				76540
			999	9				99999
	032	276	1	Onondaga	067	2	8160	
			089	3				73000
			999	9				99999
	033	236	1	Ontario	069	4	6840	
			013	6				12144
			031	6				28640
			999	9				99999
	034	199	1	Orange	071	2	5660	
			056	6				47042
			059	5				50034
			999	9				99999
	035	236	1	Orleans	073	5	6840	
	036	276	1	Oswego	075	3	8160	
			028	6				27815
			069	6				55574
			999	9				99999
	037	000	2	Otsego	077	4	0000	
			067	6				54881
			999	9				99999
	038	197	1	Putnam	079	4	5600	
			014	5				12529
			999	9				99999
	039	004	1	Rensselaer	083	3	0160	
			092	4				75484
			999	9				99999
	040	197	1	Rockland	087	2	5600	
			086	6				70420
			088	6				71894
			999	9				99999
	041	000	2	St. Lawrence	089	3	0000	
			055	6				46019
			064	6				54485
			075	6				59564
			999	9				99999
	042	004	1	Saratoga	091	3	0160	
			016	5				16353
								Clifton Park town

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	
			999 9	Saratoga Springs				65255
				Balance of county				99999
043	004	1	062 6	Schenectady	093	3	0160	
			081 5	Niskayuna town				51264
			085 4	Rotterdam town				63935
			999 9	Schenectady				65508
			999 9	Balance of county				99999
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 Geographic Code Outline For The United States
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Vital Statistics Codes				Area Names		FIPS Codes			Place	
St	Cnty	P/MSA	M/NM	City	P/S	St	Cnty	P/S	P/MSA	Place
34						37				
	001	116	1				001	3	3120	
				005	5					09060
				018	6					27280
				999	9					99999
	002	124	1	999	9		003	5	3290	
	003	000	2	999	9		005	6	0000	
	004	000	2	999	9		007	6	0000	
	005	000	2	999	9		009	6	0000	
	006	000	2	999	9		011	6	0000	
	007	000	2	999	9		013	5	0000	
	008	000	2	999	9		015	6	0000	
	009	000	2	999	9		017	5	0000	
	010	305	1	999	9		019	4	9200	
	011	014	1				021	3	0480	
				003	4					02140
				999	9					99999
	012	124	1				023	4	3290	
				023	5					31060
				036	6					44400
				999	9					99999
	013	051	1				025	4	1520	
				010	5					14100
				026	5					35200
				999	9					99999
	014	124	1				027	4	3290	
				030	6					37760
				999	9					99999
	015	000	2				029	6	0000	
				013	6					20580
				999	9					99999
	016	000	2	999	9		031	4	0000	
	017	000	2	999	9		033	6	0000	
	018	124	1				035	3	3290	
				023	5					31060
				999	9					99999
	019	226	1	999	9		037	5	6640	
	020	000	2	999	9		039	6	0000	
	021	000	2	999	9		041	6	0000	
	022	000	2	999	9		043	6	0000	
	023	000	2				045	4	0000	
				044	6					61200
				999	9					99999
	024	000	2	999	9		047	5	0000	
	025	000	2				049	4	0000	
				021	6					30120
				037	6					46340
				999	9					99999
	026	091	1				051	2	2560	
				014	4					22920
				999	9					99999
	027	200	1	999	9		053	6	5720	
	028	000	2	999	9		055	6	0000	
	029	116	1				057	3	3120	
				024	4					31400
				031	6					38060
				047	6					67420
				999	9					99999
	030	116	1	999	9		059	5	3120	
	031	000	2	999	9		061	5	0000	
	032	226	1				063	3	6640	
				008	5					11800
				011	3					19000
				999	9					99999
	033	238	1				065	4	6895	
				041	5					57500
				046	6					66700
				999	9					99999
	034	116	1				067	2	3120	
				024	4					31400
				027	6					35600
				050	3					75000
				999	9					99999
	035	226	1	999	9		069	5	6640	
	036	051	1				071	3	1520	
				016	4					25580

Vital Statistics Codes				FIPS Codes				Place	
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S		P/MSA
34					North Carolina	37			
	036				Gaston, con.	071	3	1520	
			999	9	Balance of county				99999
	037	000	2	999	Gates	073	6	0000	
	038	000	2	999	Graham	075	6	0000	
	039	000	2	999	Granville	077	5	0000	
	040	000	2	999	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	Harnett	085	4	0000	
	044	000	2	999	Haywood	087	5	0000	
	045	000	2	999	Henderson	089	4	0000	
	046	000	2	999	Hertford	091	6	0000	
	047	000	2	999	Hoke	093	6	0000	
	048	000	2	999	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	Jackson	099	5	0000	
	051	226	1	999	Johnston	101	4	6640	
	052	000	2	999	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	Lincoln	109	4	1520	
	056	000	2	999	McDowell	111	5	0000	
	057	000	2	999	Macon	113	6	0000	
	058	014	1	999	Madison	115	6	0480	
	059	000	2	999	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	Mitchell	121	6	0000	
	062	000	2	999	Montgomery	123	6	0000	
	063	000	2	999	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	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	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	Pender	141	5	0000	
	072	000	2	999	Perquimans	143	6	0000	
	073	000	2	999	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	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	999 9	Robeson		155	3	0000	
				032 6	Lumberton					39700
				999 9	Balance of county					99999
	079	000	2	999 9	Rockingham		157	4	0000	
				012 6	Eden					20080
				039 6	Reidsville					55900
				999 9	Balance of county					99999
	080	051	1	999 9	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	999 9	Scotland		165	5	0000	
				029 6	Laurinburg					37220
				999 9	Balance of county					99999
	084	000	2	999 9	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	999 9	Union		179	4	1520	
				035 6	Monroe					43920
				999 9	Balance of county					99999
	091	000	2	999 9	Vance		181	5	0000	
				022 6	Henderson					30660
				999 9	Balance of county					99999
	092	226	1	999 9	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	999 9	Watauga		189	5	0000	
				004 6	Boone					07080
				999 9	Balance of county					99999
	096	110	1	999 9	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	999 9	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			Auglaize	011	5	4320
	007	300	1			Belmont	013	4	9000
	008	057	1			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			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			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

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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	Solon					72928
				120	South Euclid					73264
				125	Strongsville					75098
				132	University Heights					78932
				140	Warrensville Heights					80990
				144	Westlake					83622
				999	Balance of county					99999
	019	000	2		Darke	037	4		0000	
				061	Greenville					32340
				999	Balance of county					99999
	020	000	2		Defiance	039	5		0000	
				039	Defiance					21308
				999	Balance of county					99999
	021	064	1		Delaware	041	4		1840	
				040	Delaware					21434
				042	Dublin, part					22694
				143	Westerville, part					83342
				999	Balance of county					99999
	022	000	2		Erie	043	4		0000	
				114	Sandusky					70380
				137	Vermilion, part					79716
				999	Balance of county					99999
	023	064	1		Fairfield	045	3		1840	
				034	Columbus, part					18000
				070	Lancaster					41720
				111	Reynoldsburg, part					66390
				999	Balance of county					99999
	024	000	2		Fayette	047	5		0000	
				141	Washington					81214
				999	Balance of county					99999
	025	064	1		Franklin	049	1		1840	
				016	Bexley					06278
				034	Columbus, part					18000
				042	Dublin, part					22694
				057	Gahanna					29106
				062	Grove City					32592
				064	Hilliard					35476
				111	Reynoldsburg, part					66390
				133	Upper Arlington					79002
				143	Westerville, part					83342
				145	Whitehall					84742
				151	Worthington					86604
				999	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	Beavercreek					04720
				049	Fairborn					25914
				152	Xenia					86772
				999	Balance of county					99999
	030	000	2		Guernsey	059	5		0000	
				025	Cambridge					10996
				999	Balance of county					99999
	031	057	1		Hamilton	061	1		1640	
				017	Blue Ash					07300
				030	Cincinnati					15000
				053	Forest Park					27706
				074	Loveland					45108
				094	North College Hill					56322
				100	Norwood					57386
				110	Reading					65732
				117	Sharonville, part					71892
				121	Springdale					74104
				999	Balance of county					99999
	032	000	2		Hancock	063	4		0000	
				052	Findlay					27048
				054	Fostoria, part					28014
				999	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	

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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			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			Meigs		105	6	0000	
	054	000	2			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			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

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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			135 6	Montgomery, con.	113	1	2000	
			142 6	Vandalia				79492
			999 9	West Carrollton City				83090
			999 9	Balance of county				99999
058	000	2	999 9	Morgan	115	6	0000	
059	000	2	999 9	Morrow	117	5	0000	
060	000	2	999 9	Muskingum	119	4	0000	
			154 5	Zanesville				88084
			999 9	Balance of county				99999
061	000	2	999 9	Noble	121	6	0000	
062	000	2	999 9	Ottawa	123	5	0000	
063	000	2	999 9	Paulding	125	6	0000	
064	000	2	999 9	Perry	127	5	0000	
065	064	1	999 9	Pickaway	129	5	1840	
			031 6	Circleville				15070
			999 9	Balance of county				99999
066	000	2	999 9	Pike	131	6	0000	
067	002	1	999 9	Portage	133	3	0080	
			067 5	Kent				39872
			109 6	Ravenna				65592
			999 9	Balance of county				99999
068	000	2	999 9	Preble	135	5	0000	
069	000	2	999 9	Putnam	137	5	0000	
070	174	1	999 9	Richland	139	3	4800	
			076 4	Mansfield				47138
			999 9	Balance of county				99999
071	000	2	999 9	Ross	141	4	0000	
			029 6	Chillicothe				14184
			999 9	Balance of county				99999
072	000	2	999 9	Sandusky	143	4	0000	
			056 6	Fremont				28826
			999 9	Balance of county				99999
073	000	2	999 9	Scioto	145	4	0000	
			108 6	Portsmouth				64304
			999 9	Balance of county				99999
074	000	2	999 9	Seneca	147	4	0000	
			054 6	Fostoria, part				28014
			129 6	Tiffin				76778
			999 9	Balance of county				99999
075	000	2	999 9	Shelby	149	5	0000	
			118 6	Sidney				72424
			999 9	Balance of county				99999
076	045	1	999 9	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	999 9	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	999 9	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	999 9	Tuscarawas	157	4	0000	
			041 6	Dover				22456
			091 6	New Philadelphia				55216
			999 9	Balance of county				99999
080	000	2	999 9	Union	159	5	0000	
			042 6	Dublin, part				22694
			999 9	Balance of county				99999
081	000	2	999 9	Van Wert	161	5	0000	
			136 6	Van Wert				79562
			999 9	Balance of county				99999
082	000	2	999 9	Vinton	163	6	0000	
083	057	1	999 9	Warren	165	3	1640	
			055 6	Franklin				28476

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Vital Statistics Codes				FIPS Codes		Place			
St Cnty	P/MSA	M/NM	City	P/S	Area Names		St Cnty	P/S	P/MSA
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				Place
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	1 999 9	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	Mayer	097	5	0000		
	050	000	2 999 9	Murray	099	6	0000		
	051	000	2 999 9	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	1 999 9	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	2 999 9	Okmulgee	111	5	0000		
			026 6	Okmulgee				55150	
			999 9	Balance of county				99999	
	057	286	1 999 9	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	2 999 9	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	2 999 9	Payne	119	4	0000		
			032 5	Stillwater				70300	
			999 9	Balance of county				99999	
	061	000	2 999 9	Pittsburg	121	5	0000		
			018 6	McAlester				44800	
			999 9	Balance of county				99999	
	062	000	2 999 9	Pontotoc	123	5	0000		
			001 6	Ada				00200	
			999 9	Balance of county				99999	
	063	204	1 999 9	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	1 999 9	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	2 999 9	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	1 999 9	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	1 999 9	Wagoner	145	5	8560		
			006 4	Broken Arrow, part				09050	
			999 9	Balance of county				99999	
	074	000	2 999 9	Washington	147	5	0000		
			004 5	Bartlesville, part				04450	

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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					Washington, con.		147	5	0000	
				999	9	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

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St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
38						Oregon	41				
	030					Umatilla, con.	059	4	0000		57150
				026	6	Pendleton					99999
				999	9	Balance of county					
	031	000	2			Union	061	6	0000		40350
				018	6	La Grande					99999
				999	9	Balance of county					
	032	000	2			Wallowa	063	6	0000		
	033	000	2			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			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

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Vital Statistics Codes				Codes		Area Names	FIPS Codes			Place
St	Cnty	P/MSA	M/NM	City	P/S		St	Cnty	P/S	
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				Area Names		FIPS Codes			Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
39					Pennsylvania	42			
	037				Lawrence, con.	073	4	0000	
			999	9	Balance of county				99999
	038	121	1		Lebanon	075	3	3240	
			056	6	Lebanon				42168
			999	9	Balance of county				99999
	039	007	1		Lehigh	077	2	0240	
			003	3	Allentown				02000
			011	4	Bethlehem, part				06088
			032	6	Emmaus borough				23584
			103	6	Salisbury township				67576
			108	6	South Whitehall township				72632
			140	6	Whitehall township				84528
			999	9	Balance of county				99999
	040	259	1		Luzerne	079	2	7560	
			044	6	Hazleton				33408
			051	6	Kingston borough				39784
			079	6	Nanticoke				52584
			143	5	Wilkes-Barre				85152
			999	9	Balance of county				99999
	041	303	1		Lycoming	081	3	9140	
			145	5	Williamsport				85312
			999	9	Balance of county				99999
	042	000	2		McKean	083	5	0000	
	043	261	1		Mercer	085	3	7610	
			046	6	Hermitage				34064
			106	6	Sharon				69720
			999	9	Balance of county				99999
	044	000	2		Mifflin	087	5	0000	
	045	000	2		Monroe	089	4	0000	
	046	214	1		Montgomery	091	1	6160	
			001	4	Abington township				00156
			022	5	Cheltenham township				12968
			029	6	East Norriton				21608
			042	6	Hatfield township				33120
			047	6	Horsham township				35808
			054	6	Lansdale borough				41432
			060	4	Lower Merion township				44976
			061	6	Lower Moreland township				45008
			063	6	Lower Providence township				45080
			073	6	Montgomery township				50640
			085	5	Norristown borough				54656
			096	6	Plymouth township				61664
			097	6	Pottstown borough				62416
			111	6	Springfield township				73088
			119	6	Towamencin township				77152
			125	6	Upper Dublin township				79008
			126	6	Upper Gwynedd township				79056
			127	5	Upper Merion township				79136
			128	5	Upper Moreland township				79176
			138	6	West Norriton				83704
			141	6	Whitemarsh township				84624
			142	6	Whitpain township				84888
			999	9	Balance of county				99999
	047	000	2		Montour	093	6	0000	
	048	007	1		Northampton	095	3	0240	
			011	4	Bethlehem, part				06088
			012	6	Bethlehem township				06096
			030	5	Easton				21648
			090	6	Palmer township				57672
			999	9	Balance of county				99999
	049	000	2		Northumberland	097	4	0000	
			115	6	Sunbury				75304
			999	9	Balance of county				99999
	050	121	1		Perry	099	5	3240	
	051	214	1		Philadelphia, coext. with Philadelphia c	101	0	6160	60000
	052	199	1		Pike	103	5	5660	
	053	000	2		Potter	105	6	0000	
	054	000	2		Schuylkill	107	3	0000	
			098	6	Pottsville				62432
			999	9	Balance of county				99999
	055	000	2		Snyder	109	5	0000	
	056	141	1		Somerset	111	4	3680	
	057	000	2		Sullivan	113	6	0000	
	058	000	2		Susquehanna	115	5	0000	

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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

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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

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Vital Statistics Codes			Codes			FIPS Codes			Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	
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	

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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

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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	

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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	

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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		Mauy	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			024	5	Sullivan, con.	163	3	3660	
			999	9	Kingsport, part				39560
					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			Place			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names		St	Cnty	P/S	P/MSA
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					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	034	000	2	999	9	Cass		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				Texas		FIPS Codes			Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
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	De Witt	123	6	0000	
	063	000	2	999	Dickens	125	6	0000	
	064	000	2	999	Dimmit	127	6	0000	
	065	000	2	999	Donley	129	6	0000	
	066	000	2	999	Duval	131	6	0000	
	067	000	2	999	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	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	Falls	145	6	0000	
	074	000	2	999	Fannin	147	6	0000	
	075	000	2	999	Fayette	149	6	0000	
	076	000	2	999	Fisher	151	6	0000	
	077	000	2	999	Floyd	153	6	0000	
	078	000	2	999	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	Franklin	159	6	0000	
	081	000	2	999	Freestone	161	6	0000	
	082	000	2	999	Frio	163	6	0000	
	083	000	2	999	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	Garza	169	6	0000	
	086	000	2	999	Gillespie	171	6	0000	
	087	000	2	999	Glasscock	173	6	0000	
	088	000	2	999	Goliad	175	6	0000	
	089	000	2	999	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	Grimes	185	6	0000	

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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			Hall	191	6	0000	
097	000	2			Hall	193	6	0000	
098	000	2			Hansford	195	6	0000	
099	000	2			Hardeman	197	6	0000	
100	025	1			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			Hartley	205	6	0000	
104	000	2			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			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			Hill	217	5	0000	
110	000	2			Hockley	219	6	0000	
			093	6	Levelland				42448
			999	9	Balance of county				99999
111	103	1			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			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			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			Irion	235	6	0000	
119	000	2			Jack	237	6	0000	
120	000	2			Jackson	239	6	0000	

Vital Statistics Codes				FIPS Codes				Place	
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA		
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.	321	5	0000	
					Balance of county				99999
162	000	2	048	6	Maverick	323	5	0000	
			999	9	Eagle Pass				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	

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Vital Statistics Codes				Area Names		FIPS Codes			Place	
St	Cnty	P/MSA	M/NM	City	P/S	St	Cnty	P/S	P/MSA	Place
44						48				
	199	067	1				397	5	1920	
				039	0					19000
				063	3					29000
				132	6					62828
				135	6					63572
				999	9					99999
	200	000	2	999	9		399	6	0000	
	201	000	2				401	5	0000	
				073	6					33212
				083	6					39124
				999	9					99999
	202	000	2	999	9		403	6	0000	
	203	000	2	999	9		405	6	0000	
	204	000	2	999	9		407	6	0000	
	205	065	1				409	4	1880	
				037	2					17000
				126	6					58904
				999	9					99999
	206	000	2	999	9		411	6	0000	
	207	000	2	999	9		413	6	0000	
	208	000	2				415	6	0000	
				144	6					68624
				999	9					99999
	209	000	2	999	9		417	6	0000	
	210	000	2	999	9		419	6	0000	
	211	000	2	999	9		421	6	0000	
	212	288	1				423	3	8640	
				157	4					74144
				999	9					99999
	213	000	2	999	9		425	6	0000	
	214	000	2	999	9		427	5	0000	
	215	000	2	999	9		429	6	0000	
	216	000	2	999	9		431	6	0000	
	217	000	2	999	9		433	6	0000	
	218	000	2	999	9		435	6	0000	
	219	000	2	999	9		437	6	0000	
	220	103	1				439	0	2800	
				008	2					04000
				015	5					07132
				019	6					07552
				027	6					11428
				033	6					15988
				053	5					24768
				055	6					26232
				056	6					26544
				057	2					27000
				066	4					30464
				067	5					30644
				070	5					31928
				078	5					35576
				081	6					38632
				101	6					46452
				113	5					52356
				165	6					76672
				170	6					78544
				999	9					99999
	221	001	1				441	3	0040	
				001	3					01000
				999	9					99999
	222	000	2	999	9		443	6	0000	
	223	000	2	999	9		445	6	0000	
	224	000	2	999	9		447	6	0000	
	225	000	2				449	6	0000	
				109	6					49800
				999	9					99999
	226	247	1				451	4	7200	
				136	4					64472
				999	9					99999
	227	019	1				453	1	0640	
				010	2					05000
				134	5					63500
				999	9					99999
	228	000	2	999	9		455	6	0000	
	229	000	2	999	9		457	6	0000	

Vital Statistics Codes					FIPS Codes				Place
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	
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
				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	

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Vital Statistics Codes					FIPS Codes				Place	
St	Cnty	P/MSA	M/NM	City P/S	Area Names	St	Cnty	P/S		P/MSA
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		

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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 Geographic Code Outline For The United States
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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				Place
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty	P/S	P/MSA	
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	999	9	Marquette	077	6	0000
040	000	2	999	9	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	999	9	Monroe	081	5	0000
043	000	2	999	9	Oconto	083	5	0000
044	000	2	999	9	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	999	9	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	999	9	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	999	9	Price	099	6	0000
052	225	1		Racine	101	3	6600	
			045	4	Racine			66000
			999	9	Balance of county			99999
053	000	2	999	9	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	999	9	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	999	9	Sauk	111	5	0000
058	000	2	999	9	Sawyer	113	6	0000
059	000	2	999	9	Shawano	115	5	0000
060	262	1		Sheboygan	117	3	7620	
			047	5	Sheboygan			72975
			999	9	Balance of county			99999
061	000	2	999	9	Taylor	119	6	0000
062	000	2	999	9	Trempealeau	121	5	0000
063	000	2	999	9	Vernon	123	5	0000
064	000	2	999	9	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	999	9	Washburn	129	6	0000

Vital Statistics Codes				FIPS Codes			Place	
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 Geographic Code Outline For The United States
 Effective With 1996 Data.

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	

Vital Statistics Geographic Code Outline for Puerto Rico, Virgin Islands and Guam

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.

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
37	000	999	9	000	Oklahoma	40	000	0000	00000
38	000	999	9	000	Oregon	41	000	0000	00000

Vital Statistics Codes					Area Names	FIPS Codes			
St	Cnty	P/MSA	M/NM	City		St	Cnty	P/MSA	Place
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	Adjuntas	001	0000		
	002	001	1	999	Aguada	003	0060		
	003	001	1	999	Aguadilla	005	0060		
	004	006	1	999	Aguas Buenas	007	7440		
	005	000	2	999	Aibonito	009	0000		
	006	004	1	999	Anasco	011	4840		
	007	002	1	999	Arecibo	013	0470		
	008	000	2	999	Arroyo	015	0000		
	009	006	1	999	Barceloneta	017	7440		
	010	000	2	999	Barranquitas	019	0000		
	011	006	1	999	Bayamon	021	7440		
	012	004	1	999	Cabo Rojo	023	4840		
	013	003	1	999	Caguas	025	1310		
	014	002	1	999	Camuy	027	0470		
	015	006	1	999	Canovanas	029	7440		
	016	006	1	999	Carolina	031	7440		
	017	006	1	999	Catano	033	7440		
	018	003	1	999	Cayey	035	1310		
	019	006	1	999	Ceiba	037	7440		
	020	000	2	999	Ciales	039	0000		
	021	003	1	999	Cidra	041	1310		
	022	000	2	999	Coamo	043	0000		
	023	006	1	999	Comerio	045	7440		
	024	006	1	999	Corozal	047	7440		
	025	000	2	999	Culebra	049	0000		
	026	006	1	999	Dorado	051	7440		
	027	006	1	999	Fajardo	053	7440		
	028	006	1	999	Florida	054	7440		
	029	000	2	999	Guanica	055	0000		
	030	000	2	999	Guayama	057	0000		
	031	005	1	999	Guayanilla	059	6360		
	032	006	1	999	Guaynabo	061	7440		
	033	003	1	999	Gurabo	063	1310		
	034	002	1	999	Hatillo	065	0470		
	035	004	1	999	Hormigueros	067	4840		
	036	006	1	999	Humacao	069	7440		
	037	000	2	999	Isabela	071	0000		
	038	000	2	999	Jayuya	073	0000		
	039	005	1	999	Juana Diaz	075	6360		
	040	006	1	999	Juncos	077	7440		
	041	000	2	999	Lajas	079	0000		
	042	000	2	999	Lares	081	0000		
	043	000	2	999	Las Marias	083	0000		
	044	006	1	999	Las Piedras	085	7440		
	045	006	1	999	Loiza	087	7440		
	046	006	1	999	Luquillo	089	7440		
	047	006	1	999	Manati	091	7440		
	048	000	2	999	Maricao	093	0000		
	049	000	2	999	Maunabo	095	0000		
	050	004	1	999	Mayaguez	097	4840		
	051	001	1	999	Moca	099	0060		
	052	006	1	999	Morovis	101	7440		
	053	006	1	999	Naguabo	103	7440		
	054	006	1	999	Naranjito	105	7440		
	055	000	2	999	Orocovis	107	0000		
	056	000	2	999	Patillas	109	0000		
	057	005	1	999	Penuelas	111	6360		
	058	005	1	999	Ponce	113	6360		
	059	000	2	999	Quebradillas	115	0000		
	060	000	2	999	Rincon	117	0000		
	061	006	1	999	Rio Grande	119	7440		
	062	004	1	999	Sabana Grande	121	4840		
	063	000	2	999	Salinas	123	0000		
	064	004	1	999	San German	125	4840		
	065	006	1	999	San Juan	127	7440		
	066	003	1	999	San Lorenzo	129	1310		
	067	000	2	999	San Sebastian	131	0000		
	068	000	2	999	Santa Isabel	133	0000		
	069	006	1	999	Toa Alta	135	7440		
	070	006	1	999	Toa Baja	137	7440		
	071	006	1	999	Trujillo Alto	139	7440		
	072	000	2	999	Utuado	141	0000		
	073	006	1	999	Vega Alta	143	7440		
	074	006	1	999	Vega Baja	145	7440		

Vital Statistics Geographic Code Outline For Puerto Rico,
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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
				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

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

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

Vital Statistics Codes			P/MSA Name and County Components	FIPS Codes		
P/MSA	State	County		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
			Richmond			
	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			

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

Vital Statistics Codes	FIPS 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 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 Colorado	1125	08
		007	Boulder		013
039	44		Brazoria, TX, PMSA Texas	1145	48
		020	Brazoria		039
040	48		Bremerton, WA, PMSA Washington	1150	53
		018	Kitsap		035
041	44		Brownsville-Harlingen-San Benito, TX, MSA Texas	1240	48
		031	Cameron		061
042	44		Bryan-College Station, TX, MSA Texas	1260	48
		021	Brazos		041
043	33		Buffalo-Niagara Falls, NY, MSA New York	1280	36
		014	Erie		029
		030	Niagara		063
044	46		Burlington, VT, NECMA Vermont	1303	50
		004	Chittenden		007
		006	Franklin		011
		007	Grand Isle		013
045	36		Canton-Massillon, OH, MSA Ohio	1320	39
		010	Carroll		019
		076	Stark		151
046	51		Casper, WY, MSA Wyoming	1350	56
		013	Natrona		025
047	16		Cedar Rapids, IA, MSA Iowa	1360	19
		057	Linn		113
048	14		Champaign-Urbana, IL, MSA Illinois	1400	17
		010	Champaign		019
049	41		Charleston-North Charleston, SC, MSA South Carolina	1440	45
		008	Berkeley		015
		010	Charleston		019
		018	Dorchester		035
050	49		Charleston, WV, MSA West Virginia	1480	54
		020	Kanawha		039
		040	Putnam		079

Vital Statistics Codes			P/MSA Name and County Components	FIPS Codes					
P/MSA	State	County		P/MSA	State	Cnty			
051	34		Charlotte-Gastonia-Rock Hill, NC-SC, MSA	1520	37				
			North Carolina						
		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	51				
			Virginia						
			002			Albemarle			003
			025			Charlottesville city			540
			045			Fluvanna			065
	055	Greene			079				
053	11		Chattanooga, TN-GA, MSA	1560	13				
			Georgia						
			023			Catoosa			047
		041	Dade				083		
		146	Walker				295		
	43				Tennessee		47		
			033		Hamilton			065	
		058	Marion			115			
054	51		Cheyenne, WY, MSA	1580	56				
			Wyoming						
	011		Laramie			021			
055	14		Chicago, IL, PMSA	1600	17				
			Illinois						
			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	06				
			California						
	004		Butte			007			
057	15		Cincinnati, OH-KY-IN, PMSA	1640	18				
			Indiana						
			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	
						Ohio		39	
	36		008		Brown			015	
			013		Clermont			025	
			031		Hamilton			061	
		083	Warren			165			
058	18		Clarksville-Hopkinsville, TN-KY, MSA	1660	21				
			Kentucky						
	43		024		Christian			047	
			063		Tennessee		47		
			Montgomery			125			

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Vital Statistics Codes			P/MSA Name and County Components	FIPS Codes		
P/MSA	State	County		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
	11		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
	16		Iowa		19	
		082	Scott			163

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

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Vital Statistics Codes			P/MSA Name and County Components	FIPS	Codes	
P/MSA	State	County		P/MSA	State	Cnty
083	44	071	El Paso, TX, MSA Texas El Paso	2320	48	141
084	15	020	Elkhart-Goshen, IN, MSA Indiana Elkhart	2330	18	039
085	33	007	Elmira, NY, MSA New York Chemung	2335	36	015
086	37	024	Enid, OK, MSA Oklahoma Garfield	2340	40	047
087	39	025	Erie, PA, MSA Pennsylvania Erie	2360	42	049
088	38	020	Eugene-Springfield, OR, MSA Oregon Lane	2400	41	039
089	15	065 082 087 18 051	Evansville-Henderson, IN-KY, MSA Indiana Posey Vanderburgh Warrick Kentucky Henderson	2440	18	129 163 173 21 101
090	24 35	014 009	Fargo-Moorhead, ND-MN, MSA Minnesota Clay North Dakota Cass	2520	27 38	027 017
091	34	026	Fayetteville, NC, MSA North Carolina Cumberland	2560	37	051
092	04	004 072	Fayetteville-Springdale-Rogers, AR, MSA Arkansas Benton Washington	2580	05	007 143
093	23	025	Flint, MI, PMSA Michigan Genesee	2640	26	049
094	01	017 039	Florence, AL, MSA Alabama Colbert Lauderdale	2650	01	033 077
095	41	021	Florence, SC, MSA South Carolina Florence	2655	45	041
096	06	035	Fort Collins-Loveland, CO, MSA Colorado Larimer	2670	08	069
097	10	006	Fort Lauderdale, FL, PMSA Florida Broward	2680	12	011
098	10	036	Fort Myers-Cape Coral, FL, MSA Florida 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	12	
		043	Florida			085
		056	Martin			111
			St. Lucie			
100	04		Fort Smith, AR-OK, MSA	2720	05	
		017	Arkansas			033
		066	Crawford			131
	37		Sebastian		40	
		068	Oklahoma			135
			Sequoyah			
101	10		Fort Walton Beach, FL, MSA	2750	12	
		046	Florida			091
			Okaloosa			
102	15		Fort Wayne, IN, MSA	2760	18	
		001	Indiana			001
		002	Adams			003
		017	Allen			033
		035	De Kalb			069
		090	Huntington			179
		092	Wells			183
			Whitley			
103	44		Fort Worth-Arlington, TX, PMSA	2800	48	
		111	Texas			221
		126	Hood			251
		184	Johnson			367
		220	Parker			439
			Tarrant			
104	05		Fresno, CA, MSA	2840	06	
		010	California			019
		020	Fresno			039
			Madera			
105	01		Gadsden, AL, MSA	2880	01	
		028	Alabama			055
			Etowah			
106	10		Gainesville, FL, MSA	2900	12	
		001	Florida			001
			Alachua			
107	44		Galveston-Texas City, TX, PMSA	2920	48	
		084	Texas			167
			Galveston			
108	15		Gary, IN, PMSA	2960	18	
		045	Indiana			089
		064	Lake			127
			Porter			
109	33		Glens Falls, NY, MSA	2975	36	
		053	New York			113
		054	Warren			115
			Washington			
110	34		Goldsboro, NC, MSA	2980	37	
		096	North Carolina			191
			Wayne			
111	24		Grand Forks, ND-MN, MSA	2985	27	
		060	Minnesota			119
		060	Polk			
	35		North Dakota		38	
		018	Grand Forks			035

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

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

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

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Vital Statistics Codes P/MSA	State	County	P/MSA Name and County Components	FIPS Codes 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	
		032	Wisconsin			063
			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
			Mohave			
	29		Nevada		32	
		003	Clark			003
		013	Nye			023
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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Vital Statistics Codes	FIPS Codes	P/MSA Name and County Components		FIPS Codes
P/MSA	State	County		P/MSA
				State
				Cnty
162	20	001	Lewiston-Auburn, ME, NECMA Maine Androscoggin	4243 23 001
163	18	009 025 034 057 076 105 120	Lexington, KY, MSA Kentucky Bourbon Clark Fayette Jessamine Madison Scott Woodford	4280 21 017 049 067 113 151 209 239
164	36	002 006	Lima, OH, MSA Ohio Allen Auglaize	4320 39 003 011
165	28	055	Lincoln, NE, MSA Nebraska Lancaster	4360 31 109
166	04	023 043 060 063	Little Rock-North Little Rock, AR, MSA Arkansas Faulkner Lonoke Pulaski Saline	4400 05 045 085 119 125
167	44	092 102 230	Longview-Marshall, TX, MSA Texas Gregg Harrison Upshur	4420 48 183 203 459
168	05	019	Los Angeles-Long Beach, CA, PMSA California Los Angeles	4480 06 037
169	15	010 022 031 072	Louisville, KY-IN, MSA Indiana Clark Floyd Harrison Scott	4520 18 019 043 061 143
	18	015 056 093	Kentucky Bullitt Jefferson Oldham	21 029 111 185
170	44	152	Lubbock, TX, MSA Texas Lubbock	4600 48 303
171	47	006 011 012 020 076	Lynchburg, VA, MSA Virginia Amherst Bedford Bedford city Campbell Lynchburg city	4640 51 009 019 515 031 680
172	11	011 076 084 111 143	Macon, GA, MSA Georgia Bibb Houston Jones Peach Twiggs	4680 13 021 153 169 225 289
173	50	013	Madison, WI, MSA Wisconsin Dane	4720 55 025

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

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

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

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Vital Statistics Codes			P/MSA Name and County Components	FIPS Codes		
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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Vital Statistics Codes			P/MSA Name and County Components	FIPS Codes		
P/MSA	State	County		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			

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

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

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

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

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Vital Statistics Codes				FIPS Codes	
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State Cnty
296			Washington, DC-MD-VA-WV, PMSA	8840	
	09		Dist. of Columbia		11
		001	District of Columbia		
	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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Vital Statistics P/MSA	Codes State	County	P/MSA Name and County Components	FIPS P/MSA	Codes State	Cnty
305	34	010 065	Wilmington, NC, MSA North Carolina Brunswick New Hanover	9200	37	019 129
306	48	039	Yakima, WA, MSA Washington Yakima	9260	53	077
307	05	057	Yolo, CA, PMSA California Yolo	9270	06	113
308	39	067	York, PA, MSA Pennsylvania York	9280	42	133
309	36	015 050 078	Youngstown-Warren, OH, MSA Ohio Columbiana Mahoning Trumbull	9320	39	029 099 155
310	05	051 058	Yuba City, CA, MSA California Sutter Yuba	9340	06	101 115
311	03	015	Yuma, AZ, MSA Arizona Yuma	9360	04	027

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Vital Statistics Codes			P/MSA Name and County Components	FIPS Codes		
P/MSA	State	County		P/MSA	State	Cnty
001	52		Aguadilla, PR, MSA Puerto Rico	0060	72	
		002	Aguada			003
		003	Aguadilla			005
		051	Moca			099
002	52		Arecibo, PR, PMSA Puerto Rico	0470	72	
		007	Arecibo			013
		014	Camuy			027
		034	Hatillo			065
003	52		Caguas, PR, PMSA 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 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 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 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

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Expanded race categories

Minnesota now reports the expanded Asian or Pacific Islander race categories of Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining Asian or Pacific Islanders. These expanded race categories are also reported by California, Hawaii, Illinois, New Jersey, New York, Texas, and Washington.

Congenital Anomalies for New York State

New York State now reports Spina Bifida.

Births in Puerto Rico by race of mother and father

Puerto Rico reports race of mother and father in three categories: white, black, and other. Births reported as "other" race are shown in code "0". Births coded "0" include births in these racial groups: American Indian, Chinese, Japanese, Hawaiian, Filipino, and other Asian or Pacific Islander.

Percent Completeness

See table A for the percent completeness of all items collected from the birth certificate by NCHS for each reporting area.

Residence and Occurrence Data

See table I for counts of births by occurrence and residence for every State and the District of Columbia.

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Apgar Score

In 1995, NCHS collected only the 5-minute Apgar score.

Education of Father

In 1995, NCHS did not collect information on education of the father.

Birth Interval

In 1995, NCHS did not collect information on the date of last live birth. Therefore, there is no information on birth interval for 1995.

Marital Status

In 1995, California and Nevada implemented procedures to help identify the mother's marital status more accurately. In California, procedures that were previously used to help identify the marital status of Asian mothers was extended to Hispanic mothers also. These procedures compare the parents' surnames when they are hyphenated if the parents were born in countries where naming practices can identify the parents' marital status. For Hispanic mothers, if the child is given a double surname of the mother's and father's surnames (either entire surnames or portions of the parents' hyphenated surnames), regardless of the sequence, and the mother is of Hispanic origin, the mother's marital status is coded "Married". In Nevada, marital status information is collected through the electronic birth process even though there is not a direct question on marital status on the printed birth certificate. See the Technical Notes of the Report of Final Natality Statistics, 1995 for more information on special procedures used by States to collect marital status information.

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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 (1):

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 National Center for Health Statistics (NCHS) have adopted this definition (2,3).

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 have been prepared by P. K. Whelpton for 1909-34 (4). These estimates include adjustments for underregistration and for States that were not part of the birth-registration area before 1933.

Sources of data

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 computer data tapes coded by the States and provided to NCHS through the Vital Statistics Cooperative Program. NCHS receives these tapes from the registration offices of all States, the District of Columbia, and New York City. Information for Puerto Rico is also received on computer tapes through the Vital Statistics Cooperative Program. Information for the Virgin Islands and Guam is obtained

from microfilm copies of original birth certificates and is based on the total file of records for all years.

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, and Guam 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 checkboxes 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 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 birthweight 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 item was 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, 1994," NCHS Instruction Manual, Part 3a. The classification of certain important items is discussed in the following pages.

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.

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 procedure of using "city" addresses for persons living outside the city limits.

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 1994 is given in another manual, "Vital Records Geographic Classification, 1982," NCHS Instruction Manual , Part 8.

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 (5) 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) (6).

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 (7) 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 10,000 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 this report include the following:

- 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, or a population of 10,000 to 25,000 and a density of 1,000 persons or more per square mile.
- 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.)
- Each place in Hawaii with 10,000 or more population. (There are no incorporated cities in Hawaii.)

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).

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. In 1994, 4.4

percent of births were to parents of different races, compared with just 1.7 percent in 1974. About half of these births were to white mothers and fathers of another race. 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, 16 percent in 1994 compared with 9 percent in 1974. This reflects the increase in the 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 on a *de facto* basis. 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 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.

The category "White" comprises births reported as white and births where race 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 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 0.5 percent of birth certificates for 1994. 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.

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(8). 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(9).

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 have revised this item for 1989, and therefore the age of mother either is derived from the reported month and year of birth or coded as stated on the certificate. The age of mother is edited for upper and lower limits. When the age of mother is computed to be under 10 years or 50 years or over, it is considered not stated and is assigned as described below.

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 (10).

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.

Not stated date of birth of mother—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 "Vital Statistics Computer Edits for Natality Data," NCHS Instruction Manual , Part 12, page 9.) 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 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.

Live-birth order and parity

Live-birth order and parity classifications shown in this volume refer to the total number of live births the mother has had including the 1994 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. For an interval to be computed, both the month and year of the last live birth must be valid. This interval is computed only for events to mothers who have had at least one previous live birth.

Births for which the interval since last live birth is not stated are excluded from the computation of percents and means.

Zero interval—An interval of zero months since the last live birth indicates the second born of a set of twins, the second or third born of a set of triplets, and so forth. Births with an interval of zero months are excluded from the computation of mean intervals.

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.

The educational attainment of either parent 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."

Persons 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, persons 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.

Marital status

Beginning with 1980 data, national estimates of births to unmarried women are derived from two sources. In 1994 marital status was reported directly on the birth certificates of 45 States and the District of Columbia. In the remaining five States, which lack such an item (California, Connecticut, Michigan, Nevada, and New York), marital status is inferred from a comparison of the child's and parents' surnames. This procedure represents 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.

The current method uses related information on the birth certificate to improve the quality of national data on this topic, as well as to provide data for the individual nonreporting States. Beginning

in 1980 a birth in a nonreporting State is classified as occurring to a married woman if the parents' surnames are the same, or if the child's and father's surnames are the same and the mother's current surname cannot be obtained from the informant item of the birth certificate. A birth is classified as occurring to an unmarried woman if the father's name is missing, if the parents' surnames are different, or if the father's and child's surnames are different and the mother's current surname is missing.

Because of the continued substantial increases in nonmarital childbearing throughout the 1980's, the data have been intensively evaluated in each year, 1985-94. There has been continuing concern that the current method might overstate the number of births to unmarried women because it incorporates data based on a comparison of surnames. This is because births to women who have retained their maiden surname as their legal surname after marriage and who are frequently older, well-educated women, would be classified as nonmarital births. Trends based on data incorporating inferential statistics can be compared with trends based on the geographic estimates for the 1980-94 period to show the impact of the two methods. The trends for the two methods are similar for all races combined and for white and black births. Between 1980 and 1994, birth rates for unmarried white women increased 112 percent based on data incorporating inferential information and 116 percent based on the geographic estimates. Birth rates for unmarried black women increased 1 percent based on the inferential data and declined 2 percent based on geographic estimates.

Michigan and Texas births--The number of births to unmarried women in Michigan was underreported during the years 1988-93, but the greatest undercount, numerically, was for 1990-93. Michigan had separate counts of the numbers of births with paternity acknowledgments, but did not include them with the counts of unmarried women based on the general inferential procedures that were provided to NCHS. The underreporting began in 1988, and was about 25 percent for the years

1988-93. In 1993 NCHS reported 36,326 births to unmarried women in Michigan, 26 percent below the number that included paternity affidavits (49,281) (11). Thus, there is a considerable discontinuity in the nonmarital birth data for Michigan from 1993 to 1994. The proportion of nonmarital births reported to NCHS increased from 26 percent to 35 percent.

The number of births to unmarried women in Texas was underreported during the years 1989-93. As a result of legislation passed in 1989, a birth was considered to have occurred to a married woman if the mother provides any information about the father, or if a paternity affidavit has been filed. The measurement of marital status for Texas births improved beginning with the 1994 data year because a direct question on marital status was added to the Texas birth certificate. However, there is a considerable discontinuity in the data for Texas from 1993 to 1994. The proportion of births to unmarried mothers increased from 17 to 29 percent.

No adjustments are made during the data processing for errors in the reporting of marital status on the birth records of the 45 reporting States and the District of Columbia because the extent of this reporting problem is unknown. When marital status is not stated on the birth certificate of a reporting area, the mother is considered married.

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 1955-94 are based on a smoothed series of population estimates (12). 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 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 "M.D." (Doctor of Medicine), "D.O." (Doctor of Osteopathy), "C.N.M." (certified nurse midwife), "Other midwife," and "Other" attendants. In earlier

certificates births attended by certified nurse midwives were grouped with those attended by lay midwives. The new certificate also facilitates 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. Data shown for 1975-77 published after 1980 will, therefore, differ from data published before 1980. As a result of this change, for 1975 an additional 12,352 births are now 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.

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). 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

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 1/2 oz-3 lb 4 1/2 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 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 4.1 percent of the births in 1994 was based on the clinical estimate of gestation. For 96 percent of these records the clinical estimate was used because the LMP date was not reported. For the remaining 4 percent the clinical estimate was used because it was compatible with the reported birthweight, 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 birthweight was reclassified as "not stated." 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. For further information on the use of the clinical estimate of gestation see "Computer Edits for Natality Data, Effective 1989," NCHS Instruction Manual , Part 12, pages 34-36.

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 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 (13).

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

One- 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. In 1994 the reporting area for the 1- and 5-minute Apgar scores was comprised of 48 States and the District of Columbia, accounting for 78 percent of all births in the United States. 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.

Data on tobacco use were collected by 46 States, the District of Columbia, and New York City in 1994. This reporting area accounted for 79 percent of all births in the U.S. in 1994. Information on alcohol use was included on the certificates of 48 States and the District of Columbia, accounting for 85 percent of all U.S. births in 1994. California and South Dakota did not include items on alcohol use of their birth certificates.

Weight gained during pregnancy

Weight gain is reported in pounds. A loss of weight is reported as zero gain. Computations of median weight 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 86 percent of all births in the United States in 1994.

Medical risk factors for this pregnancy

In 1994 an item on medical risk factors was included on the birth certificates of all States and the District of Columbia, but two States did not report all of the 16 risk factors. Texas did not report genital herpes or uterine bleeding while 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 (14).

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 considered "not stated." Data on obstetric procedures were reported by all States and the District of Columbia.

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 (14).

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. However, not all of the complications were reported by all reporting States (see table A).

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials. (14).

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.

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 1994. However, several States did not include all conditions (see table A).

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics. (14).

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. 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 and New York City did not). This reporting area included 96 percent of all births in the United States in 1994. 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. (14).

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 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 1994 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 delivery to all women giving birth who have never had a cesarean delivery. The denominator for this rate includes all births, less those with method of delivery classified as repeat cesareans and vaginal birth after previous cesarean. 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

The 1989 revision of the U.S. Standard Certificate of Live Births includes items to identify the Hispanic origin of the parents. 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. All 50 States and the District of Columbia reported Hispanic origin of the parents for 1994.

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 (1.1 percent in 1994) 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 1994 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 1989 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 (15).

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.

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 underenumeration, 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 underenumeration 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

States in the Vital Statistics Cooperative Program are required to have an error rate of less

than 2.0 percent for each item for 3 consecutive data months during the initial qualifying period. Once a State is qualified, NCHS monitors the quality of data received. This was achieved through independent verification of a sample of records for some States as well as comparing the State data with data from previous years. In addition, there is verification at the State level before NCHS is sent the data.

After the coding is completed, counts of the taped records are balanced against control totals for each shipment of records from a registration area. Impossible codes are eliminated during the editing processes on the computer and corrected on the basis of reference to the source record or adjusted by arbitrary code assignment. All subsequent operations involved in tabulation and table preparation are verified during computer processing or by statistical clerks.

Small frequencies

The numbers of births reported for an area represent complete counts. As such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytical purposes, such as the comparison of rates over a period of time or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

In general, distributions of vital events may be assumed to follow the binomial distribution. Estimates of standard errors and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the relative standard error, expressed as a percent of the number or rate, is usually small.

When the number of events is small (fewer than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures. Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

If N is the number of births and R is the corresponding rate, the chances are 19 in 20 that

1. The "true" number of events lies between

$$N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

2. The "true" rate lies between

$$R - 2\frac{R}{\sqrt{N}} \text{ and } R + 2\frac{R}{\sqrt{N}}$$

If the rate R_1 corresponding to N_1 events is compared with the rate R_2 corresponding to N_2 events, the difference between the two rates may be regarded as statistically significant if it exceeds

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

For example, suppose that the observed birth rate for area A was 15.0 per 1,000 population and that this rate was based on 50 recorded births. Given prevailing conditions, the chances are 19 in 20 that the "true" or underlying birth rate for that area lies between 10.8 and 19.2 per 1,000 population. Let it be further supposed that the birth rate for area A of 15.0 per 1,000 population is being compared with a rate of 20.0 per 1,000 population for area B, which is based on 40 recorded births. Although the difference between the rates for the two areas is 5.0, this difference is less than twice the standard error of the difference

$$2 \sqrt{\frac{(15.0)^2}{50} + \frac{(20.0)^2}{40}}$$

of the two rates that is computed to be 7.6. From this, it is concluded that the difference between the rates for the two areas is not statistically significant.

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 1900-94 is shown in table 4-1. In addition, the population including Armed Forces abroad is shown for the United States. Table B 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 (16). 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 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 three 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 1994—The population of the United States by age, sex, race, and Hispanic origin are 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 are tabulated from Census file RESO793. Washington: U.S. Department of Commerce. 1995.

Populations for 1992--The population of the United States by age, sex, race and Hispanic origin are tabulated from census file RESPO792. Washington: U.S. Department of Commerce. 1994.

Populations for 1991--The population of the United States by age, race, and sex are 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 are 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 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 (17). 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 overenumerated in the respective censuses, by age, race, and sex (17-19). The report for 1990 (20) includes estimates of net underenumeration and overenumeration 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 (18). 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 for the estimated net census miscounts, which are shown in table C. 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 underenumeration 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 (21).

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 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.

Age-sex-adjusted birth rates

The age-sex-adjusted birth rates are computed by the direct method. The age distribution of women aged 10-49 years as enumerated in 1940 and the total population of the United States for that year are used as the standard populations. The age-sex-adjusted birth rates show differences in the level of fertility independent of differences in the age and sex composition of the population. It is important not to confuse these adjusted rates with the crude rates shown in other tables.

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 2,036 in 1994, 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 1994, they would have a total of 2,036 children by the time they reached the end of the reproductive period (taken here to be age 50 years), assuming that all of the women survived to that age.

Intrinsic vital rates

The intrinsic vital rates are calculated from a stable population. A stable population is that hypothetical population, closed to external migration, that would become fixed in age-sex structure after repeated applications of a constant set of age-sex specific birth and death rates. For the mathematical derivation of intrinsic vital rates, see pages 4-13 and 4-14 in the Technical Appendix of volume I, Vital Statistics of the United States, 1962. The technique of calculating intrinsic vital rates is described by Barclay (22).

Seasonal adjustment of rates

The seasonally adjusted birth and fertility rates are computed from the X-11 variant of Census Method II (23). 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 negligible.

Computation of percents, medians, and means

Percent distributions, medians, and means are computed using only events for which the characteristic is reported. The "Not stated" category is subtracted from the total before computation of these measures. The asterisk (*) indicates that the numerator and/or denominator number is less than 20.

References

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Table A. Percent of Birth Records on Which Specified Items Were Not Stated:
 United States and Each State, Puerto Rico,
 Virgin Islands, and Guam: 1996
 (Page 1 of 2)
 [By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic Origin		Educational attainment	Live-birth order	Length of Gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Total of reporting areas 1/	3,891,494	0.0	0.1	0.3	14.8	14.9	1.5	15.6	1.4	0.6	1.0	2.6	3.5
Alabama	60,488	-	-	0.1	25.5	25.6	.0	25.5	0.4	0.0	0.1	0.7	1.0
Alaska	10,037	-	.0	.2	12.1	13.8	.2	12.8	1.3	.2	.3	1.3	1.1
Arizona	75,322	.0	.1	.3	25.5	29.0	.2	29.1	1.7	.1	.1	1.1	2.7
Arkansas	36,371	.0	.1	.5	20.0	20.3	.1	20.2	1.0	.3	.4	2.0	2.5
California	539,433	.0	.4	.0	5.8	3.8	.4	3.4	1.2	.1	2/ 4.8	1.2	2.7
Colorado	55,807	.0	-	.2	11.1	11.8	.6	12.3	1.1	.4	.0	1.0	1.3
Connecticut	44,469	.0	.0	.3	9.5	11.1	4.8	13.6	5.5	11.6	4.0	7.9	10.9
Delaware	10,155	-	.0	.3	24.9	29.9	.2	29.7	.3	.1	.1	1.0	1.1
District of Columbia	8,390	-	-	1.4	51.6	57.7	1.0	51.3	7.5	1.3	.6	16.2	15.7
Florida	189,392	.0	-	.1	18.5	18.6	.1	20.4	.4	.1	.1	1.1	1.8
Georgia	114,043	.0	.0	.3	18.9	19.2	.9	19.5	1.1	.3	.1	1.8	1.4
Hawaii	18,401	.0	.0	.1	10.4	10.5	.1	9.4	.3	.1	5.8	2.9	3.2
Idaho	18,625	-	.0	.2	8.2	10.8	1.4	11.3	5.6	1.6	1.4	3.8	11.4
Illinois	183,180	.0	.0	.1	16.6	17.4	.1	17.5	.7	.1	.2	1.8	2.1
Indiana	83,513	.0	.1	.2	12.9	12.9	.3	12.9	1.3	.7	.1	2.3	3.8
Iowa	37,139	.0	.0	.1	13.4	14.8	1.3	15.6	1.9	.1	.1	1.6	5.2
Kansas	36,651	-	.0	.0	11.2	11.6	.9	12.5	.3	.0	.1	.4	1.1
Kentucky	52,706	.0	.0	.0	21.5	22.3	.1	29.4	.3	.4	.1	1.0	1.0
Louisiana	65,204	.1	.1	.0	24.8	25.0	.1	24.9	.1	.1	.2	.3	.5
Maine	13,774	-	.0	-	11.6	15.0	3.0	17.6	.4	.1	.1	.3	.8
Maryland	71,513	.0	.0	.9	8.7	10.2	1.4	7.0	3.8	5.3	1.3	10.8	16.9
Massachusetts	80,276	.0	.1	.4	8.8	8.2	1.2	7.3	1.1	1.3	1.0	1.7	2.1
Michigan	133,387	.0	.1	.1	17.8	19.8	4.8	23.5	1.1	1.0	.1	3.6	5.0
Minnesota	63,700	.1	.1	.0	9.2	11.9	6.3	16.7	2.2	.3	1.3	4.5	3.8
Mississippi	40,987	.0	.0	.1	26.1	25.8	.1	25.9	.2	.1	.2	.6	.6
Missouri	73,832	.0	-	.2	18.7	20.8	.1	20.8	.9	.3	.2	1.9	2.8
Montana	10,856	-	.7	.0	9.5	11.1	3.1	13.9	.2	.1	.1	.5	.4
Nebraska	23,286	-	-	.0	12.4	12.9	1.9	14.2	.1	.0	.0	.3	.5
Nevada	28,125	-	.1	.6	23.0	23.8	.5	22.6	2.1	.7	.2	2.7	5.4
New Hampshire	14,520	-	.0	.0	7.7	8.7	2.5	10.3	.5	.1	.3	2.7	1.7
New Jersey	114,306	.1	.1	.4	9.7	11.6	1.0	10.7	2.2	.1	.2	3.9	5.0
New Mexico	27,228	-	-	1.3	26.1	25.6	.0	25.6	2.9	.6	.2	3.7	4.1
New York	263,963	.1	.2	.6	18.6	19.0	10.4	27.0	2.1	.4	.3	7.6	5.5
North Carolina	104,470	.0	.0	.0	18.0	18.0	.0	18.0	.2	.1	.1	.5	.6
North Dakota	8,347	-	-	-	9.2	10.4	1.7	12.0	.2	.0	.0	.3	.3
Ohio	151,692	.0	.0	.3	12.9	13.7	.2	11.0	.4	.0	.0	1.0	1.6
Oklahoma	46,193	-	.0	.0	17.5	19.3	.1	19.1	4.0	.6	4.7	10.1	11.0
Oregon	43,658	-	.8	.1	11.4	4.3	.1	4.9	.8	.0	.0	.3	.4
Pennsylvania	148,338	.0	.0	.7	6.1	3.1	.3	2.6	2.0	.2	.2	2.2	2.6
Rhode Island	12,652	-	-	.2	14.6	15.1	12.2	23.5	3.0	2.2	.7	8.5	9.1
South Carolina	51,117	.0	.0	.2	29.0	28.9	.1	28.9	4.1	.1	.2	1.2	1.2
South Dakota	10,473	-	-	2.0	12.4	12.6	.1	12.9	.5	.0	.1	.7	.9
Tennessee	73,754	.0	.0	.1	16.3	16.5	.1	16.4	.2	.1	.2	1.4	1.7
Texas	330,406	.0	.0	.4	16.0	15.9	.2	15.8	1.1	1.3	.6	2.5	5.1
Utah	42,087	.0	.0	.1	9.2	9.9	.3	8.1	.7	.2	.1	.7	.8
Vermont	6,767	.0	.0	.1	4.4	5.6	4.4	8.5	2.7	.1	.1	2.8	.7
Virginia	92,354	.0	.0	.1	18.7	19.3	.1	18.8	.5	.2	.2	.8	3.0
Washington	77,945	.0	.0	.6	12.8	12.0	3.1	12.8	9.0	1.8	1.5	7.6	12.2
West Virgin	20,750	.0	.0	.1	13.4	16.8	.1	16.7	.4	.2	.3	3.3	2.7
Wisconsin	67,106	.0	.0	.0	27.1	27.1	.0	27.1	.1	.0	.1	.2	.3
Wyoming	6,286	-	-	.0	13.5	13.7	.1	13.6	.4	.1	.0	.5	.6
Puerto Rico	63,141	-	.0	-	2.5	3.1	...	...	.2	.0	.1	.2	.1
Virgin Islands	1,905	-	-	-	28.7	30.1	4.1	33.2	1.9	.6	.6	3.4	4.8
Guam	4,254	.1	.1	.6	27.4	56.3	.6	27.8	2.8	1.0	3.9	5.3	5.3

Table A. Percent of Birth Records on Which Specified Items Were Not Stated:
 United States and Each State, Puerto Rico,
 Virgin Islands, and Guam: 1996
 (Page 2 of 2)
 [By place of residence]

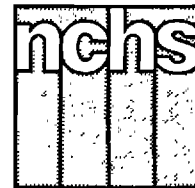
Area	Number of births	Birth weight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
Total of reporting areas 1/	3,891,494	0.1	0.7	1.3	1.6	1.5	8.6	0.8	1.1	0.9	1.8	1.5
Alabama	60,488	0.1	0.2	3/ 0.3	0.4	0.4	5.8	0.2	0.3	0.1	1.0	0.6
Alaska	10,037	.1	.4	.1	.4	.4	2.0	.1	.1	.2	.1	.1
Arizona	75,322	.2	.5	.0	.5	.5	13.6	.0	.0	.3	.0	.4
Arkansas	36,371	.2	3.7	.5	.5	.5	6.4	.3	.5	.4	.4	.5
California	539,433	.0	...	.0	...	...	...	.0	.0	.0	.0	.0
Colorado	55,807	.0	.3	.0	.4	.3	4.8	.0	.0	.0	.0	.1
Connecticut	44,469	.0	4.3	15.2	13.0	12.7	28.4	14.0	15.5	8.0	21.3	22.4
Delaware	10,155	.1	.2	.0	.2	.2	1.3	7/ .0	.0	.1	.1	.1
District of Columbia	6,390	.0	1.2	-	.2	.2	14.2	-	-	.0	-	-
Florida	189,392	.0	.2	.0	.1	.1	4.5	.0	.0	.5	.0	.0
Georgia	114,043	.0	.5	.4	.3	.3	5.0	.0	.0	.3	.0	.0
Hawaii	18,401	.9	7.5	.4	.3	.3	14.1	.1	.3	.6	.6	.6
Idaho	18,625	.1	.5	4.4	1.9	2.0	9.7	3.9	4.1	.4	3.9	3.8
Illinois	183,180	.1	.3	.1	1.0	.2	4.6	.1	.1	.4	.1	.1
Indiana	83,513	.6	.5	.2	...	.5	4.6	.1	.3	.4	.7	.7
Iowa	37,139	.0	.5	.1	2.1	2.5	6.8	.0	.0	.3	.1	.1
Kansas	36,651	.0	.3	4/ .4	.6	.5	.7	.3	.4	2.4	.4	.4
Kentucky	52,706	.1	.4	6.1	4.7	4.5	8.9	3.8	6.8	4.6	10.3	9.7
Louisiana	65,204	.1	.4	.1	.2	.2	6.5	.1	.2	.2	.2	.1
Maine	13,774	.1	.2	.1	3.4	4.4	.1	.0	.0	.2	.1	.1
Maryland	71,533	.0	.5	.0	2.6	2.9	12.3	.0	.0	.2	.0	.0
Massachusetts	80,276	1.2	1.3	4.2	1.3	1.3	2.9	4.0	4.1	3.5	8/ 7.0	4.7
Michigan	133,387	.3	.5	.2	2.2	1.9	10.1	.2	.2	.6	.2	.2
Minnesota	63,700	.0	.7	5.8	4.5	4.7	15.1	3.9	5.0	3.6	6.4	6.6
Mississippi	40,987	.0	.6	.1	.3	.3	4.0	.1	.1	.1	.1	.1
Missouri	73,832	.0	.4	.1	.6	.6	3.6	.0	.0	.4	.1	.1
Montana	10,856	.1	.4	.1	.8	1.0	1.1	.1	.1	.5	.1	.1
Nebraska	23,286	.0	.2	.0	1.0	.9	1.6	.0	.0	.1	8/ .0	.0
Nevada	26,125	.0	1.5	1.7	1.6	1.7	8.9	.3	1.3	.9	1.9	2.3
New Hampshire	14,520	.4	.6	.4	.2	.2	5.6	.4	.4	.4	.5	.4
New Jersey	114,306	.2	.3	1.5	1.3	1.2	6.1	.2	9/ 1.0	.4	14.9	2.7
New Mexico	27,228	.1	3.4	.0	1.3	1.4	10.1	.0	.0	.4	.0	...
New York	263,963	.1	.4	2.2	5/ 5.2	.9	11.3	1.2	1.4	.5	10/ 2.2	2.4
North Carolina	104,470	.0	.4	.0	.1	.1	4.5	.0	.0	.3	.0	.0
North Dakota	8,347	.0	.2	.4	.4	.5	1.4	.1	.4	.3	.5	.4
Ohio	151,692	.1	.4	.1	.4	.3	3.4	.1	.1	.5	.2	.2
Oklahoma	46,193	.8	5.5	28.8	20.5	20.9	31.1	25.0	28.5	21.6	33.8	34.5
Oregon	43,658	.0	.4	.6	.6	.7	2.5	.0	.0	.2	.0	.0
Pennsylvania	148,338	.1	.3	.1	.6	.3	5.8	.0	.0	.2	.4	.4
Rhode Island	12,652	.3	.4	4.8	2.3	2.5	9.0	4.8	4.9	.2	12.7	12.6
South Carolina	51,117	.0	.3	.0	.3	.3	2.0	.0	.0	.5	.0	.0
South Dakota	10,473	.0	.4	.1	...	...	2.3	.1	.1	.1	.1	.1
Tennessee	73,754	.0	.4	.0	.4	.5	3.1	.0	.0	.5	.0	.0
Texas	330,406	.1	...	6/ 1.8	.3	.3	20.1	.1	11/ .1	.6	8/ .1	.1
Utah	42,087	.0	.3	.2	.4	.4	1.8	.0	.1	.0	.2	.4
Vermont	6,767	.2	.3	.1	.6	.4	1.7	.1	.1	.1	.2	.2
Virginia	92,354	.2	.3	.1	.1	.2	5.9	.1	.1	.3	.1	.1
Washington	77,945	.2	.4	.6	4.0	13.0	19.4	.3	.6	.4	.8	.7
West Virginia	20,750	.1	.3	.5	.8	.8	6.8	.2	.6	.3	1.0	.5
Wisconsin	67,106	.0	.4	3.5	.1	.1	1.6	.0	3.8	.0	12/ .1	.1
Wyoming	6,286	.0	.4	.0	1.3	1.3	1.4	.0	.0	.2	.0	.0
Puerto Rico	63,141	.0	.2	.0	.0	.0	.1	.0	.1	.0	.0	.0
Virgin Islands	1,905	.1	3.9	14.6	2.1	2.3	16.1	8.6	16.4	3.3	17.6	15.7
Guam	4,254	.3	2.8	5.9	3.4	3.9	43.0	3.6	13.9	3.7	5.0	5.4

1/ Excludes data for Puerto Rico, Virgin Islands, and Guam.
 2/ California reports date last normal menses began but does not report clinical estimate of gestation.
 3/ Alabama does not report renal disease.
 4/ Kansas does not report Rh sensitization.
 5/ New York city (but not New York State) reports tobacco use.
 6/ Texas does not report genital herpes and uterine bleeding.
 7/ Delaware does not report ultrasound.
 8/ Massachusetts, Nebraska, and Texas do not report birth injury.
 9/ New Jersey does not report other excessive bleeding.
 10/ New York City does not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more.
 11/ Texas does not report anesthetic complications and fetal distress.
 12/ Wisconsin does not report fetal alcohol syndrome.

Area	Occurrence	Residence
Total	3,894,874	3,894,874
United States	3,894,874	3,891,494
Alabama	59,726	60,488
Alaska	9,933	10,037
Arizona	75,127	75,322
Arkansas	35,299	36,371
California	539,661	539,433
Colorado	56,059	55,807
Connecticut	44,327	44,469
Delaware	10,651	10,155
District of Columbia	14,917	8,390
Florida	189,676	189,392
Georgia	114,748	114,043
Hawaii	18,455	18,401
Idaho	18,252	18,625
Illinois	180,043	183,180
Indiana	83,558	83,513
Iowa	37,356	37,139
Kansas	35,360	36,651
Kentucky	51,166	52,706
Louisiana	65,457	65,204
Maine	13,609	13,774
Maryland	67,765	71,533
Massachusetts	81,212	80,276
Michigan	132,050	133,387
Minnesota	63,497	63,700
Mississippi	40,197	40,987
Missouri	76,504	73,832
Montana	10,790	10,856
Nebraska	23,487	23,286
Nevada	25,740	26,125
New Hampshire	14,008	14,520
New Jersey	111,420	114,306
New Mexico	26,819	27,228
New York State only	138,495	141,007
New York city only	126,881	122,956
North Carolina	105,327	104,470
North Dakota	9,675	8,347
Ohio	152,257	151,692
Oklahoma	45,133	46,193
Oregon	45,677	43,658
Pennsylvania	148,985	148,338
Rhode Island	13,574	12,652
South Carolina	49,212	51,117
South Dakota	10,594	10,473
Tennessee	78,378	73,754
Texas	334,197	330,406
Utah	42,943	42,087
Vermont	6,461	6,767
Virginia	90,160	92,354
Washington	76,297	77,945
West Virginia	21,772	20,750
Wisconsin	66,120	67,106
Wyoming	5,867	6,286

Area	Occurrence	Residence
Foreign Residents	-	3,380
Puerto Rico	-	13
Virgin Islands	-	25
Guam	-	16
Canada	-	101
Cuba	-	-
Mexico	-	2,452
Remainder of world	-	773

Monthly Vital Statistics Report



Final Data From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics

Report of Final Natality Statistics, 1996

by Stephanie J. Ventura, M.A.; Joyce A. Martin, M.P.H.; Sally C. Curtin, M.A.; and T. J. Mathews, M.S.
Division of Vital Statistics

Abstract

Objectives—This report presents 1996 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 lifestyle and health 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 health 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 including teenage birth rates and total fertility rates, 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 3.9 million births that occurred in 1996 are presented.

Results—Birth and fertility rates declined very slightly in 1996. Birth rates for teenagers fell 3 to 8 percent. Rates for women in their twenties increased slightly in 1996, the first increase since 1990, while rates for women in their thirties rose 2 to 3 percent. The number and percent of births to unmarried women increased slightly in 1996 while the birth rate for unmarried women declined modestly. Smoking by pregnant women overall dropped again in 1996, but increased among teenagers. Improvements in prenatal care utilization continued. The cesarean delivery rate declined. The proportion of multiple births continued to rise; higher order multiple births (e.g., triplets, quadruplets) rose by 19 percent. Key measures of birth outcome—the percents of low birthweight and preterm births—increased slightly, in large part the result of increases in multiple births.

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

Highlights

Births in the United States declined very slightly in 1996, to 3,891,494, the smallest number recorded since 1987. The **birth rate** also dropped slightly in 1996 to 14.7 births per 1,000 total population, the lowest level reported in two decades. The **fertility rate**, which relates births to the number of women of childbearing age, declined slightly in 1996 to 65.3 births per 1,000 women aged 15–44 years, its lowest level since 1976.

Fertility rates for women in racial and Hispanic origin subgroups increased for Mexican and Cuban women, but declined for other groups by 1–6 percent. Rates differ considerably among groups, with Mexican women having the highest rate, 119.3 per 1,000 aged 15–44 years. Rates are successively lower for “other” Hispanic, non-Hispanic black, Puerto Rican, American Indian, Asian or Pacific Islander, Cuban, and non-Hispanic white women.

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics



The birth rate for teenagers continued to decline in 1996, falling 4 percent to 54.4 births per 1,000 women aged 15–19 years. The rate for young teenagers 15–17 years declined 6 percent to 33.8 per 1,000, while the rate for older teenagers 18–19 years declined 3 percent to 86.0. During 1991–96, the rate for ages 15–19 years dropped 12 percent, while rates for teenagers 15–17 and 18–19 years fell 13 and 9 percent, respectively. Birth rates for teenagers 15–19 years declined for all racial and Hispanic subgroups except Cubans, with particularly large reductions for non-Hispanic black teenagers—5 percent overall for 1995–96. During the 1991–96 period, the rate for non-Hispanic black teenagers dropped 21 percent. Teenage birth rates fell significantly in all but 3 States during 1991–96. The reductions in U.S. teenage birth rates together with recently reported declines in abortions among teenagers indicate that the teenage pregnancy rate has continued to fall in the 1990's.

Birth rates for women in their twenties, the peak childbearing ages, increased in 1996 for the first time since 1990. The rate for women aged 20–24 years rose 1 percent to 110.4 per 1,000, while the rate for women aged 25–29 years rose 1 percent to 113.1 per 1,000. Birth rates for women in their twenties have been relatively stable over the past two decades; this age group accounts for 52 percent of all births.

Birth rates for women in their thirties increased 2–3 percent in 1996, to 83.9 per 1,000 for women aged 30–34 years, and to 35.3 for women aged 35–39 years. These rates have risen almost without interruption since the mid-to-late 1970's. However, the pace of increase has slowed in the 1990's, especially for women aged 30–34 years. **The birth rate for women aged 40–44** also increased in 1996, to 6.8 per 1,000.

The first birth rate declined in 1996 to its lowest level ever, 26.8 first births per 1,000 women aged 15–44 years. Among teenagers, first birth rates as well as rates for second and third order births (that is, repeat childbearing) declined considerably.

The birth rate for unmarried women in 1996 was 44.8 births per 1,000 unmarried women aged 15–44 years,

1 percent lower than in 1995 and 4 percent lower than its highest level, 46.9 in 1994. The number of births to unmarried women increased 1 percent to 1,260,306 in 1996, while the percent of all births occurring to unmarried women rose slightly to 32.4 percent. The birth rate for unmarried non-Hispanic white women increased slightly, while the rates for unmarried black and Hispanic women each declined 2 percent, with the rate for black women reaching a record low. The birth rate for unmarried teenagers fell 3 percent in 1996 to 42.9 per 1,000, down 8 percent from its 1994 high, 46.4.

Cigarette smoking during pregnancy continued to decline in 1996, to 13.6 percent of women giving birth. Tobacco use during pregnancy has fallen steadily since 1989. However, smoking among pregnant teenagers increased in 1996, with particularly large increases among teenagers 15–17 years; 15.4 percent were reported to have smoked in 1996, up 5 percent compared with 1995. Increases were also particularly large for Mexican, Puerto Rican, and non-Hispanic black teenagers 15–17 years. In general, smoking rates are lowest for Hispanic and Asian or Pacific Islander women. Maternal smoking has a strong adverse impact on infant birthweight. In 1996, 12.1 percent of births to smokers compared with 6.9 percent of births to non-smokers weighed less than 2,500 grams (5 lb 8 oz).

The proportion of women with timely **prenatal care** rose for the seventh consecutive year, climbing to 81.9 percent from 81.3 percent for 1995, and the percent of women with late or no care declined from 4.2 to 4.0 percent. Timely care has risen for all racial and ethnic groups during the 1990's, and improvement has been especially noteworthy among non-Hispanic black, Mexican, Puerto Rican, and Central and South American mothers.

Data on **method of delivery** show that the rate of cesarean delivery declined for the seventh consecutive year, and was 9 percent lower in 1996 (20.7 percent) than in 1989 (22.8 percent). The primary cesarean rate was also 9 percent lower in 1996 than in 1989 (14.6 first cesareans per 100 women who had no previous cesarean in 1996 compared with 16.1 in

1989). The rate of vaginal birth following a previous cesarean delivery (VBAC) was 50 percent higher in 1996 (28.3) than in 1989 (18.9). Cesarean rates increased steadily with advancing age of mother and were more than twice as high for mothers in their forties (31.6) as for teenagers (14.5). The percent of births delivered by forceps continued to decline (3.2 percent in 1996), while the use of vacuum extraction rose (6.2 percent in 1996).

The number of twins born in 1996 increased 4 percent (100,750 compared with 96,736 for 1995), while higher order **multiple births** rose 19 percent to an unprecedented 5,939 (nearly 1,000 more compared with 4,973 in 1995). For comparison, there were approximately 1,000 total higher order multiple births in each year during the 1970's. The higher order multiple birth total included 5,298 triplets, 560 quadruplets, and 81 quintuplets and other higher order multiples. The twinning rate grew by 4 percent (from 24.8 to 25.9 per 1,000) and higher order multiple birth rate by 20 percent (from 127.5 to 152.6 per 100,000) for 1995–96. Since 1980, the twinning rate has risen slightly more than a third (from 18.9 per 1,000) and the higher order multiple birth rate has quadrupled (from 37.0 per 100,000).

The percent of **babies born preterm**, i.e., at less than 37 completed weeks of gestation was unchanged in 1996, at 11.0 percent. The preterm rate rose fairly steadily from 1981 (9.4 percent), but has not improved since 1993. The rate increased for births to non-Hispanic white mothers for 1995–96, but declined among births to non-Hispanic black mothers (17.8 to 17.5 percent), and was unchanged for Hispanic mothers. Most of the rise in preterm births to non-Hispanic white mothers can be attributed to increases in multiple births among these women. (Multiple births are at greater risk of preterm delivery.)

The **low-birthweight (LBW)** rate rose to 7.4 percent for 1996 from 7.3 percent for 1995. The percent LBW has risen 10 percent since 1984, from 6.7. Most of the increase in LBW for the current year is attributable to the rise in LBW among births to non-Hispanic white women (from 6.2 to 6.4 percent) and to the growth in

the multiple birth rate among these women. Low birthweight for births to non-Hispanic black mothers declined from 13.2 to 13.1 percent for 1995–96, and has decreased from 13.4 since 1993. LBW was stable among births to women of Hispanic origin at 6.3 percent for the current year.

Introduction

This report presents detailed data on numbers and characteristics of births in 1996, 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 affecting birth outcome 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 1996 presented data on selected topics based on a substantial sample (about 94 percent) of the 1996 birth file (1). The selected measures included birth rates by age, race, and Hispanic origin of mother, and by live-birth order, and summary national and State data on marital status, prenatal care, cesarean delivery, and low birthweight. Findings based on the complete file in this report are essentially identical to those based on the preliminary series, thus validating the preliminary statistics.

The tabulations in this release of birth statistics for the Nation have been extensively redesigned for the 1996 data year. New tables have been added showing data by Hispanic origin of the mother. In most cases, data are shown for the following minimum categories: Hispanic, non-Hispanic white, and non-Hispanic black. In addition, several tables provide data separately for Hispanic subgroups: Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic. Other tables provide data for racial and ethnic subgroups: American Indian, Chinese, Japanese, Filipino, Hawaiian, and other Asian or Pacific Islander.

Although the overwhelming majority of Hispanic-origin births are to white women (97 percent in 1996), there are notable differences in childbearing patterns between Hispanic women and non-Hispanic white women. Thus, it is important to present data and trends for these groups separately. In addition, there are sizable differences in fertility patterns between women born in the 50 States and the District of Columbia and women born elsewhere. Therefore, several of the tables that present data for Hispanic births and for Asian or Pacific Islander births also show statistics separately according to the mother's place of birth.

Birth data by race and Hispanic origin are presented in several different ways in the tables. Race and Hispanic origin are reported independently on the birth certificate. In tabulations 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 (data for fathers are tabulated according to the father's race). In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because as noted above, the vast majority of births to Hispanic women are reported as white. 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.

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. The category "other and unknown Hispanic" includes births to women from Spain, births to "U.S. Southwest" women in New Mexico, and births for whom the Hispanic origin group was not further specified. Tables providing birth rates for Hispanic subgroups present rates for the category "other Hispanic," which includes all births to Central and South American and other and unknown Hispanic women. These groups are combined because more detailed population data are not available.

Trend tables have been introduced to provide data by Hispanic origin for the period 1989–95, the years for which this information is generally complete (2). Text discussions of trends focusing on this recent period are based on data tabulated by race and Hispanic origin in most cases. For longer-term trends, the discussions are based on data tabulated by race only. In these cases, births to Hispanic women are tabulated according to the mother's race; as noted above, 97 percent of Hispanic births were to white women in 1996. Also included in this report for the first time are State-specific teenage birth rates and total fertility rates for 1996.

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 (3). Tables showing data by State also provide separate information for Puerto Rico, Virgin Islands, and Guam; however, data for 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. Race and ethnicity differentials in birth rates and characteristics of births reflect a variety of factors, including differences in income, educational levels, access to health care, and health insurance. Text references to black births and black mothers or white births and white mothers are used interchangeably.

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 birth-weight; 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, and 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 1996. (See Technical notes for additional information.) Other maternal and infant characteristics are not imputed. Levels of nonreporting vary substantially by specific item. Table I in the Technical notes provides information on the percent of records with missing information for each item by State for 1996.

Demographic characteristics

Births and birth rates

Births in the United States declined very slightly in 1996, to 3,891,494, less than 1 percent fewer than in 1995 (3,899,589). Between 1990, the most recent high point in U.S. births, and 1996, total births dropped 6 percent (table 1 and figure 1). The 1996 total is the lowest recorded in any year since 1987. According to provisional data for the first 11 months of 1997, births have continued to fall slightly. Prior to this recent decline, U.S. births had increased 11 percent between 1986 and 1990.

The birth rate in 1996 was 14.7 live births per 1,000 total population, slightly lower than the rate in 1995 (14.8), and 12 percent lower than in 1990 (16.7). The 1996 rate is the lowest reported in two decades (14.6 in 1976). Like the total number of births, the decline in the birth rate in the 1990's followed a steady increase of 7 percent overall between 1986 and 1990. Provisional data for the first 11 months of 1997 suggest a continued decline in the birth rate.

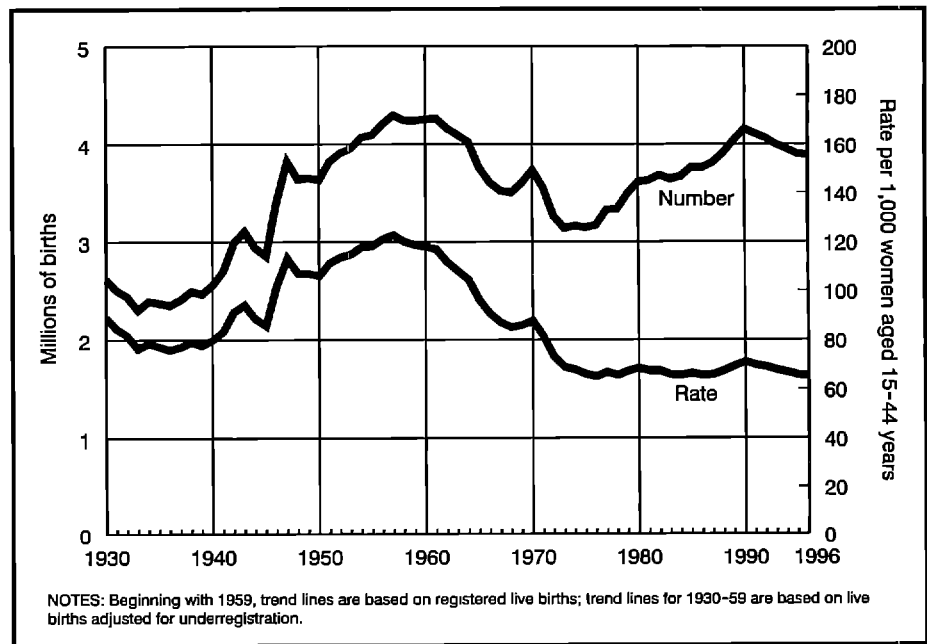


Figure 1. Live births and fertility rates: United States, 1930-96

The fertility rate, which relates births to the number of women in the childbearing ages, was 65.3 live births per 1,000 women aged 15-44 years in 1996, less than 1 percent below the 1995 rate (65.6). The fertility rate for 1996 was 8 percent below the rate in 1990 (70.9), and lower than for any year since 1976 (65.0). The decline in the fertility rate in the 1990's followed an 8 percent rise from 1986 to 1990. Provisional data for the first 11 months of 1997 indicate a continued decline in the fertility rate.

Age of mother

Birth rates by age of mother fell 3 to 8 percent for teenagers and increased 1 to 3 percent for women in age groups 20-44 years. The rate for women aged 45-49 years was unchanged. The peak ages for birth rates continue to be ages 20-24 and 25-29 years, followed by older teenagers 18-19 years and women in their early thirties. Rates for younger teens and women 35 years and older are considerably lower. (See tables 2-9 and figure 2 for births and birth rates by age of mother, live-birth order, race, and Hispanic origin.)

Teenagers—The birth rate for the youngest teenagers was 1.2 births per 1,000 females aged 10-14 years in 1996, compared with 1.3 per 1,000 in 1995 and 1.4 per 1,000 in 1994. Prior to 1994, this rate had held steady at 1.4 since 1989,

after rising slowly beginning in 1984. The number of births to 10-14 year-olds also fell in 1996, to 11,148 (9 percent fewer compared with 12,242 in 1995). The decline in the number of births to very young teenagers occurred solely as a result of the reduction in the birth rate; the number of female teenagers increased slightly between 1995 and 1996 (4,5).

The birth rate for teenagers 15-19 years fell 4 percent to 54.4 per 1,000. This rate was 12 percent lower than the rate in 1991 (62.1) (table A). Although the birth rate for teenagers has fallen steadily in the 1990's, it is still higher than it was during the years 1976-88, when the rate ranged from 50.2 to 53.0. The recent declines in the teenage birth rate follow a period of sharp increase from 1986 to 1991 when the rate rose 24 percent. State-specific birth rates for teenagers are discussed in the next section, "Births and birth rates by State."

Birth rates for teenage subgroups 15-17 and 18-19 years also fell between 1995 and 1996. The rate for teenagers 15-17 years declined 6 percent, from 36.0 to 33.8 per 1,000. This rate fell by 13 percent from 1991 to 1996, following a 27-percent rise from 1986 to 1991 (table 4). Despite the recent reductions, the rate for 15-17 year-olds in 1996 was higher than it was from 1978 to 1988. The number of births to teenagers 15-17

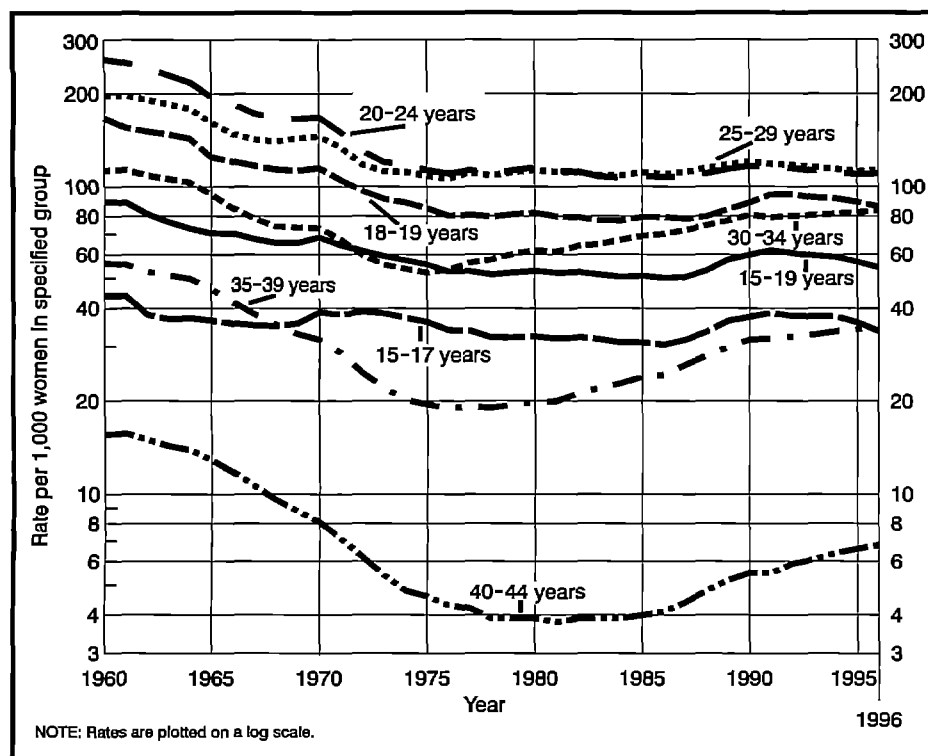


Figure 2. Birth rates by age of mother: United States, 1960–96

Table A. Birth rates for teenagers by age, race, and Hispanic origin of mother: United States, 1991, 1995, and 1996

[Rates per 1,000 women in specified group]

Year and age	Total ¹	Non-Hispanic		Hispanic
		White	Black	
10–14 years				
1996	1.2	0.4	3.8	2.6
1995	1.3	0.4	4.3	2.7
1991 ²	1.4	0.5	4.9	2.4
15–19 years				
1996	54.4	37.6	94.2	101.8
1995	56.8	39.3	99.3	106.7
1991 ²	62.1	43.4	118.9	106.7
15–17 years				
1996	33.8	20.6	66.6	69.0
1995	36.0	22.0	72.1	72.9
1991 ²	38.7	23.6	86.7	70.6
18–19 years				
1996	86.0	63.7	136.6	151.1
1995	89.1	66.1	141.9	157.9
1991 ²	94.4	70.5	163.1	158.5

¹Includes races other than white and black and origin not stated.
²See Technical notes for information on reporting areas in 1991.

years fell 4 percent from 1995 to 1996 to 185,721. This decline resulted from the 6 percent drop in the birth rate that was more than enough to compensate for the 3 percent rise in the number of female teenagers in this age group (4). The number of female teenagers 15–17 years is projected to increase by 5 percent between

The birth rate for older teenagers 18–19 years declined 3 percent, from 89.1 to 86.0 per 1,000. This rate fell 9 percent from 94.5 in 1992 (its recent high) to 1996. The birth rate for older teenagers rose 20 percent between 1987 and 1992. The rates for this age group were lower

from 1976 through 1989 compared with 1996. The number of births to older teenagers dropped slightly in 1996 to 305,856 (compared with 307,365). The decline was modest because the 3 percent drop in the birth rate was concurrent with a 3 percent increase in the number of female teenagers aged 18–19 years (4). The number of births to teenagers will continue to decline over the next few years only so long as there are continued reductions in teenage birth rates which at least equal the projected increases of 5–10 percent in the number of female teenagers between 1996 and 2000 (6).

A number of demographic and behavioral factors may help to explain the recent declines in teenage birth rates. Changes have occurred in teenage sexual activity according to the 1995 National Survey of Family Growth (NSFG), a nationally representative sample survey of women aged 15–44 years conducted by the National Center for Health Statistics. Compared with findings from the 1988 NSFG, the 1995 NSFG showed that the proportion of teenagers who are sexually experienced has stabilized, reversing the steady increases over the past two decades. Moreover, those teenagers who are sexually experienced are more likely to be using contraceptives, especially condoms (7,8).

Teenage pregnancy rates have also declined in recent years. The recent decline in the birth rate has been accompanied by declines in the abortion rate (9). The pregnancy rate for teenagers 15–19 years fell 8 percent from 116.5 per 1,000 in 1991 to 107.6 in 1994, following an 11 percent rise from 1986 to 1991 (10,11). Further declines in the teenage pregnancy rate since 1994 are indicated by the steady decline in the teenage birth rate and declines in abortions among teenagers, according to preliminary data (12).

Women aged 20 years and over:
Women in their twenties—Birth rates for women aged 20–24 and 25–29 years, the principal childbearing ages, increased in 1996 for the first time since 1990. The rate for women aged 20–24 years rose 1 percent to 110.4 per 1,000, while the rate for women aged 25–29 years rose 1 percent to 113.1 per 1,000. The rates for women in their twenties have been relatively stable, varying within a narrow range, over the past two decades. The rate

for women aged 20–24 years varied from a low of 106.8 (1984) to a high of 116.5 (1990). Similarly, the rate for women aged 25–29 years ranged from a low of 106.2 (1976) to a high of 120.2 in 1990. As recently as 1970, the rates for women in their twenties were substantially higher than in 1996 (167.8 for ages 20–24 years and 145.1 for ages 25–29 years) (table 4).

Women in their thirties and over—Birth rates for women in age groups 30–44 years rose 2 to 3 percent in 1996. Rates for women in these age groups have generally increased steadily since the late 1970's, a pattern unlike any other age group (table 4). The rate for women aged 30–34 years rose 2 percent in 1996 to 83.9 per 1,000. Except for slight declines in 1981 and 1991, this rate has increased annually since 1975 (52.3), with an overall increase of 60 percent. Most of this increase (54 percent) occurred between 1975 and 1990; the increase since 1990 totaled just 4 percent. The number of births to women aged 30–34 years fell slightly for the second consecutive year, because the increase in the birth rate was not enough to compensate for the decline in the number of women (4). Continued declines are projected in the number of women in this age group over the next few years; therefore, without a larger increase in the birth rate, the number of births is likely to decline further (6).

The birth rate for women in their late thirties increased 3 percent to 35.3 per 1,000 women aged 35–39 years. This rate has increased without interruption since 1978 (19.0), with an overall increase of 86 percent, most of which occurred from 1978 to 1990. The pace of increase slowed in the 1990's; still the rate rose 11 percent from 1990 (31.7) to 1996. Because the birth rate and the number of women each increased, the number of births to women aged 35–39 years rose again in 1996, to a record high 399,510 (4).

The birth rate for women aged 40–44 years increased from 6.6 per 1,000 to 6.8 in 1996. This rate rose 24 percent from 1990 (5.5) to 1996. From 1981 to 1996, the rate increased by 79 percent; the 1996 rate is the highest recorded since 1971 (7.1). As a result of the increases in the birth rate and in the number of women aged 40–44 years (4), the number of

births in this age group rose 7 percent to 71,804, higher than in any year since 1966. The birth rate for women aged 45–49 years was unchanged in 1996 at 0.3 births per 1,000. The number of births to women in this age group rose 12 percent from 2,727 to 3,045.

Although sustained increases in birth rates have been most long-lasting for women aged 30 years and over (13), the pace of increase has slowed since 1990, especially for women aged 30–34 years (table 4). A number of factors have contributed to this moderated trend. One is that the proportion of women in their early thirties who are childless has stabilized in the 1990's at about 20 percent, after essentially doubling from the early 1970's to 1990 (3,14). Among currently married, childless women, the proportion reporting that they expect to have at least one child fell in the 1990's, possibly reflecting a more realistic perception as to whether their expectations can be achieved (15). About 40 percent of currently childless women aged 35–44 years have impaired fertility according to the 1995 NSFG (7,16). This fact may explain the recent changes in both birth expectations and birth rates.

Births to women aged 50 years and over—Over the last several years, a small number of women have given birth at age 50 years and over. Since 1964, mother's age has been edited for ages 10–49 years. Births reported to have occurred to women aged 50 years or over have had age imputed according to the age of the mother from the previous birth record with the same race and total birth order (sum of live births and fetal deaths). These procedures were based on the findings of a study of birth records for 1962, which found that the vast majority of the records with the mother's age reported as 50 years or over were coded in error (17). Because of the recent advances in fertility-enhancing therapies, an increasing number of women are giving birth at age 50 years and over. To estimate the number of these women, a limited analysis was conducted of unedited 1996 birth certificates with the mother's age reported or computed from her date of birth as 50 years or over. Although it was not possible to verify independently the reported age for these records, based on this analysis, there

were approximately 100 women in this category. It is anticipated that the procedures for editing age of mother will be modified for the 1997 data year to take into account these recent developments in childbearing among older women.

Live-birth order

The first birth rate dropped 2 percent to 26.8 first births per 1,000 women aged 15–44 years (table 5). This was the lowest level ever recorded. The first birth rate dropped 8 percent compared with 1990 (29.0), its recent high point. Birth rates were unchanged for second, third, fifth, sixth, seventh, and eighth and higher order births. The rate for fourth births rose from 4.0 to 4.1 per 1,000.

While the first birth rate declined 2 percent overall, there were substantial differences in the trends by age of mother (tabular data not shown for 1995 and earlier years). Rates declined for teenage subgroups by 4 to 8 percent; reductions were larger for the youngest teenagers. The first birth rate declined 1 percent for women aged 20–24 years and was unchanged for women aged 25–29 years. In contrast, first birth rates rose 2 and 4 percent, respectively, for women aged 30–34 and 35–39 years. Reflecting these variations by age, the proportion of all first births occurring to women aged 30 years and over remained high in 1996, at 22 percent, compared with just 5 percent in 1975.

Although rates for second and third order births were unchanged overall, these rates fell for teenagers by 2–6 percent on average. Thus, rates for first-time as well as repeat childbearing declined for teenagers in 1996. Second and third order rates increased for women in age groups 20 years and over. There was no particular pattern in the changes in rates for fourth and higher order births for women aged 20 years and over; generally rates increased slightly or were unchanged.

Race and Hispanic origin

The number of births to non-Hispanic white and black women declined by 1 and 2 percent, respectively, in 1996. Increases were reported for most other race/Hispanic origin groups (tables 1 and

6). American Indian births increased 2 percent while Asian or Pacific Islander (API) births rose 3 percent. Overall, Hispanic births increased 3 percent, with Mexican births rising 4 percent and Central and South American births increasing 3 percent. Cuban and Puerto Rican births increased up to 1 percent.

Fertility rates declined 1 percent for non-Hispanic white women (57.3 per 1,000) and 3 percent for non-Hispanic black women (72.5). Rates also fell by 1 percent each for American Indian (68.7 per 1,000) and API women (65.9). The overall fertility rate for Hispanic women declined very slightly to 104.9 per 1,000. Rates rose 2 percent for Mexican women (to 119.3) and 7 percent for Cuban women (to 58.9). The rate for Puerto Rican women declined 6 percent to 71.3 per 1,000. The rate for "other" Hispanic women (which includes all births to Central and South American and other and unknown Hispanic women) declined 5 percent to 90.2.

During the years 1990–96, the fertility rate for non-Hispanic white women declined 9 percent, and for non-Hispanic black women, it declined 19 percent. The rates for American Indian and API women declined 10 and 5 percent, respectively. Overall, the fertility rate for Hispanic women declined 3 percent between 1990 and 1996. The rates for Mexican and Cuban women generally increased whereas rates for Puerto Rican and "other" Hispanic women declined. Current trends in fertility for Hispanic women are presented in more detail in a recent report (2).

There is a distinctive pattern in the levels of the age-specific birth rates by race and Hispanic origin and the rates vary substantially (tables 3, 4, 8, and 9). Among teenagers 15–19 years, rates are highest for Mexican teenagers (120.7 per 1,000 in 1996), followed by non-Hispanic black (94.2), Puerto Rican (82.3), and American Indian teenagers (73.9 per 1,000). The rates for non-Hispanic white (37.6), Cuban (34.0), and API (24.6) teenagers are considerably lower. Among teenage subgroups 15–17 and 18–19 years, the patterns were generally similar to those for all teenagers 15–19 years. Rates were highest for Mexican teenagers and

lowest for API teenagers. These relationships were observed in each year, 1994–96. Prior to 1994, birth rates had been highest for non-Hispanic black teenagers.

Between 1995 and 1996, teenage birth rates declined for all groups except Cuban teenagers, for whom the rate increased from 29.2 to 34.0 per 1,000. The declines were 3 and 4 percent, respectively, for Mexican and non-Hispanic white teenagers. Other declines were 5 percent for non-Hispanic black and American Indian teenagers, 6 percent for API, 8 percent for Puerto Rican, and 10 percent for "other" Hispanic teenagers. From 1991, when rates for teenagers generally were at a peak, to 1996, birth rates fell 20 to 21 percent for non-Hispanic black, Puerto Rican, and "other" Hispanic teens. Declines were 10 to 13 percent in rates for non-Hispanic white, American Indian, and API teenagers.

Birth rates for women in age groups 20–24 and 25–29 years were consistently highest for Mexican women. For example, the rate for Mexican women aged 20–24 years, 206.3 per 1,000, was nearly 3 times the rate for API women in this age group (70.7). Differences between rates were smallest at ages 25–29 years, when the range was from 98.5 (American Indian) to 176.9 (Mexican). Among women aged 30–34 and 35–39 years, rates were highest for API women (109.2 and 52.2, respectively), followed closely by Mexican and "other" Hispanic women (tables 3 and 8).

The high birth rates for API women in their thirties, especially for first births, suggest a pattern of delayed childbearing. The first birth rates for API women aged 30–34 and 35–39 years were substantially higher than for any other group. More than one-third of first births to API women were to women aged 30 years and over, compared with 22 percent for all first births. Age-specific birth rates for API subgroups can be computed only in census years when the necessary populations are available. Rates computed for 1990 demonstrated the pattern of delayed childbearing among Chinese, Japanese, Filipino, and other API women (18). Limited data for API subgroups included in the "other API" category (Vietnamese, Asian

Indian, Korean, Samoan, Guamanian, and remaining API) suggest delayed childbearing among some subgroups, but also considerable variation in maternal age distributions as well (19).

With few exceptions, among women in age groups 20 years and over, birth rates increased between 1995 and 1996 for non-Hispanic white, Mexican, and American Indian women. There was no particular pattern in the age-specific rates for other racial/Hispanic origin groups.

Total fertility rate

The total fertility rate (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. This measure shows the potential impact of current fertility patterns on completed family size. Because it is computed from age-specific birth rates, the TFR is age-adjusted; it assumes the same number of women in each age group.

The TFR in 1996 was 2,027.0, less than 1 percent higher than in 1995 (tables 4, 9, 13, and 14). The increase from 1995 to 1996 was the first in the TFR since 1990 (2,081.0), when the rate was 3 percent higher than in 1996. The increase in the TFR results from the rise in age-specific birth rates for all women in age groups 20–44 years, which more than compensated for the declines in the teenage birth rates.

The U.S. total fertility rate remains 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 1996, as in recent years, the TFR was above "replacement" for Mexican (3,353.5), "other" Hispanic (2,762.0), non-Hispanic black (2,204.0), and Puerto Rican women (2,163.0). Rates were below replacement for American Indian (2,030.0), API (1,907.5), non-Hispanic white (1,795.5), and Cuban women (1,774.5) (tables 4, 9, 13, and 14). Between 1995 and 1996, TFR's increased up to 4 percent for Mexican, Cuban, and

non-Hispanic white women, and declined for other groups. State-specific total fertility rates for 1996 are included in this report and discussed in the next section.

Births and birth rates by State

Birth data by race and by Hispanic origin for 1996 are shown in tables 10–12 for the 50 States and the District of Columbia, Puerto Rico, the Virgin Islands, and Guam. The American Indian, Asian or Pacific Islander (API) and Hispanic populations (and Hispanic subgroups) are highly concentrated geographically. Half of American Indian births in the 50 States and the District of Columbia were to residents of just five States (Alaska, Arizona, California, New Mexico, and Oklahoma), while more than half of API births were to residents of California, Hawaii, and New York. Similarly, 57 percent of Hispanic births were to California and Texas residents. Births are also highly concentrated geographically for Hispanic subgroups: Mexican (California and Texas), Puerto Rican (New York, New Jersey, and Florida), and Cuban (Florida).

Births declined in 25 States and the District of Columbia, Puerto Rico, and the Virgin Islands, and increased in 25 States and Guam. Declines and increases were generally modest; they ranged up to 2 percent in 41 States, Puerto Rico, and Guam. The number increased 4 to 6 percent in Arizona, Nevada, and Utah, and declined 7 percent in the District of Columbia and 8 percent in the Virgin Islands.

Birth rates by State ranged from 11 births per 1,000 population (Maine and West Virginia) to 21 per 1,000 (Utah). Birth rates per 1,000 total population declined in 33 States, the District of Columbia, Puerto Rico, and the Virgin Islands, increased in 10 States and Guam, and were unchanged in 7 States; changes were no more than 3 percent in most States. Statistically significant declines of 4 to 6 percent were recorded for Montana and the District of Columbia and 9 percent in the Virgin Islands. However, the changes were not significant in 34 States and Guam.

Fertility rates per 1,000 women aged 15–44 years ranged from a low of 49.5 (Maine) to a high of 89.0 (Utah). Rates declined in 26 States, the District of

Columbia, Puerto Rico, and the Virgin Islands, increased in 21 States and Guam, and were unchanged in 3 States. Changes in most States were no more than 3 percent, with statistically significant declines of 5 and 8 percent, respectively, for the District of Columbia and the Virgin Islands. The changes were not significant in 37 States and Guam.

Birth rates for teenagers

Birth rates for teenagers by age group and State are shown for 1996 in table 10. Rates per 1,000 women aged 15–19 years ranged from 28.6 (New Hampshire) to 102.1 (District of Columbia). The highest rate was reported for Guam, 116.8. Birth rates for teenagers have been declining in the United States since 1991. Between 1991 and 1996, teenage birth rates fell in all States and the District of Columbia and the Virgin Islands; declines were statistically significant in all but 3 States (Delaware, North Dakota, and Rhode Island). More detailed information on current trends and variations in State-specific teenage birth rates is presented in a recent report (11).

Total fertility rate

State-specific total fertility rates (TFR's) for 1996 are shown in table 10. These rates provide a summary measure of lifetime fertility at the State level; rates for 1980 and 1990 have been published (20,21). Rates by State for 1996 vary substantially, from a low of 1,580.0 (or 1.58 births per woman) for Vermont to a high of 2,656.0 (2.66 births per woman) for Utah. Differences in the TFR by State are quite similar to differences in the general fertility rate.

Sex ratio

There were 1,990,480 male live births in 1996 compared with 1,901,014 female live births. These numbers yielded a sex ratio of 1,047 male per 1,000 female live births (tables 13 and 14). The sex ratio has changed very little over the last 50 years and was 1,049 in 1995. Similar to previous years, Asian or Pacific Islander mothers had the highest sex ratio (1,061), followed by non-Hispanic white mothers (1,053), Hispanic mothers (1,041),

American Indian mothers (1,031), and non-Hispanic black mothers (1,027).

Month of birth

Monthly birth rates and fertility rates in 7 months of 1996 were below the rates for the same month observed in 1995. The peak months of occurrence of births in 1996 as measured by birth rates were August and September (table 15). When the seasonal component is removed from the monthly birth and fertility rates, the underlying trends can be observed. Unlike the previous 6 years, seasonally adjusted birth and fertility rates for the first half of 1996 were, on average, lower than the rates for the second half of the year. All months except for April, July, October, and December had the lowest seasonally adjusted birth rates in at least 20 years. The rate for June 1996 was the lowest observed in the more than 60 years for which monthly seasonal adjustments are available (3,22).

Day of the week of birth

Variation in the daily pattern of births can 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, multiplied by 100. In 1996 the Sunday index was 74.8, an indication that there were over 25 percent fewer births on Sundays than the daily average, considered to be 100.0. The Saturday index was 82.5. As in past years, births occurred most frequently on Tuesdays with an index of 111.9 in 1996 (table 16).

A weekend deficit is apparent for both vaginal and cesarean deliveries, but is far larger for cesarean deliveries, particularly repeat cesareans. In 1996 the Sunday index for vaginal births was 79.7, compared with 66.2 for primary, and 39.0 for repeat cesareans (table 16).

The growing concentration of births on weekdays in the early and mid-1980's has been attributed to the increasing rate of cesarean deliveries because many cesareans are scheduled on weekdays (23). However, in the late 1980's, the cesarean rate stabilized (24), and since 1989 it has declined. The high weekend deficit can be partly explained by the growing

proportion of births that are induced. (See section on "Obstetric procedures.")

Births to unmarried women

The birth rate for unmarried women in 1996 was 44.8 births per 1,000 unmarried women aged 15–44 years, 1 percent lower than the rate of 45.1 in 1995, and 4 percent lower than its highest level, 46.9 in 1994. The number of births to unmarried women increased 1 percent, to 1,260,306 in 1996. The percent of all births occurring to unmarried women increased slightly, from 32.2 percent in 1995 to 32.4 percent in 1996. (See table B and tables 17 and 18.) The procedures for reporting the mother's marital status did not change in any State between 1995 and 1996; thus the changes measured between 1995 and 1996 reflect actual changes in nonmarital childbearing.

Birth rates for unmarried women vary considerably by race and Hispanic origin. In 1996 the rates per 1,000 unmarried women were 28.3 per 1,000 for non-Hispanic white women, 74.4 for black women, and 93.2 for Hispanic women.

The birth rate for unmarried non-Hispanic white women increased very slightly from 28.2 in 1995 to 28.3 per 1,000. The rate in 1996 was 1 percent lower than in 1994 (28.5), the first year for which rates could be computed for unmarried non-Hispanic white women. The birth rate for unmarried black women declined 2 percent from 75.9 per 1,000 in 1995 to 74.4 in 1996, a record low. This rate has declined steadily and

substantially—by 18 percent—since 1989 (90.7). The birth rate for unmarried Hispanic women in 1996, 93.2 per 1,000, was 2 percent lower than in 1995 (95.0). Except for a 1-year surge in the rate between 1993 and 1994, birth rates for unmarried Hispanic women ranged from 93 to 95 per 1,000 since 1991 (table 18) (2).

Birth rates for unmarried women by age continue to be highest for women aged 18–19 and 20–24 years (71 and 66 per 1,000, respectively), followed closely by women aged 25–29 years (57 per 1,000). Rates for younger teenagers and women in age groups 30 years and over are considerably lower (tables 17 and 18).

The birth rate for unmarried teenagers 15–19 years declined 3 percent to 42.9 per 1,000 (figure 3). The teenage rate dropped 8 percent from its high point in 1994 (46.4 per 1,000). The largest 1-year reduction was for young teenagers 15–17 years; their rate declined 5 percent from 30.5 per 1,000 to 29.0. The rate for older teenagers fell 3 percent to 65.9. Rates for women in their twenties increased 1 percent each, to 70.7 for women aged 20–24 years and to 56.8 for women aged 25–29 years. Rates for women in their thirties increased 3 to 4 percent, to 41.1 (ages 30–34 years) and 20.1 (ages 35–39 years), while the rate for women aged 40–44 years increased from 4.7 to 4.8 per 1,000.

The 1995–96 trends in age-specific birth rates by race and Hispanic origin were generally similar to those for all

women. Rates declined for unmarried non-Hispanic white, black, and Hispanic teenagers, with the largest reductions measured for young black teenagers. Their rate fell 7 percent to 64.0 per 1,000 teenagers 15–17 years; from 1991 to 1996, the rate for young black teenagers dropped 20 percent. Among unmarried women aged 20–24 years, the rate for non-Hispanic white women increased 2 percent from 1995 to 1996 while it declined 1 to 2 percent for black and Hispanic women. Birth rates for unmarried women in age groups 25 years and over generally rose for all groups.

There is a distinct pattern in the age-specific rates among the race and Hispanic origin groups. Among teenagers and women aged 20–24 years, rates for unmarried black and Hispanic teenagers on average were 3 to 4 times the rates for non-Hispanic white teenagers. Among age groups 25–29 years and over, rates were considerably higher for Hispanic women than for black or non-Hispanic white women.

It is the sharply higher nonmarital birth rates for older unmarried Hispanic women that is the principal factor accounting for their high overall birth rate. Part of this pattern is linked with the relatively high incidence of cohabitation among Hispanic couples. Birth certificate data provide evidence of this for Puerto Rican couples. In 1996, 44 percent of births to Puerto Rican women in Puerto Rico were nonmarital, but three-quarters of these nonmarital births were to women living with the father of the child. Other studies have documented increases in cohabitation in recent years in the United States and Puerto Rico (25,26).

The proportion of all births occurring to unmarried women increased slightly from 32.2 to 32.4 percent in 1996. The proportions for subgroups in 1996 were 21.5 percent, non-Hispanic white; 70.0 percent, non-Hispanic black; and 40.7 percent, Hispanic; each changed very little compared with 1995 (tables 13, 14, 17, and 19).

Changes in the proportion of births to unmarried women are affected by trends in birth rates for married as well as unmarried women, and the number of unmarried women. While the birth rate for unmarried women increased considerably over the last two decades and has

Table B. Number, rate, and percent of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–96

Year	Births to unmarried women			Birth rate for married women ³
	Number	Rate ¹	Percent ²	
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

¹Births to unmarried women per 1,000 unmarried women aged 15–44 years.

²Percent of all births to unmarried women.

³Births to married women per 1,000 married women aged 15–44 years.

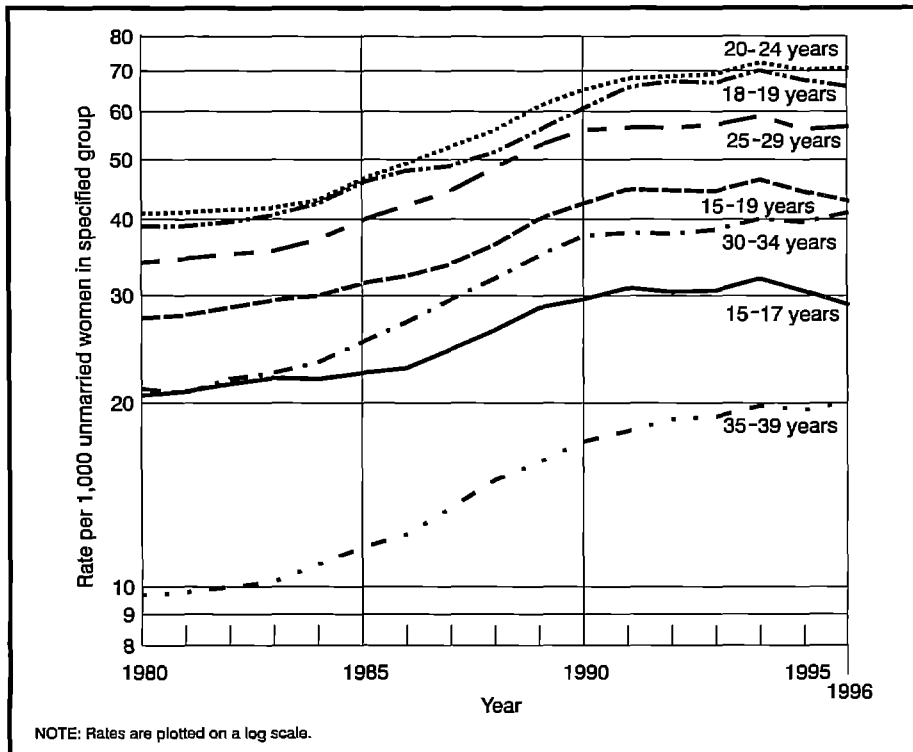


Figure 3. Birth rates for unmarried women, by age of mother: United States, 1980-96

declined only since 1994, the birth rate for married women has generally declined and dropped 10 percent from 93.2 per 1,000 in 1990 to a record low of 83.7 in 1995-96 (table B and figure 4). Moreover, the number of unmarried women in the childbearing ages rose 6 percent between 1990 and 1996 while the number of married women declined 2 percent during this period. The proportion of births to unmarried women increased slightly in 1996, because the number of nonmarital births rose while the number of births to married women declined. Because of the complex interrelationship of birth rates and populations by marital status, the proportion of births to unmarried women has important analytic limitations. The birth rate remains the best measure of the likelihood that an unmarried woman will give birth (27). However, the proportion is often the only available measure of nonmarital childbearing, in addition to the number of births, because the populations needed to compute birth rates are not available for States and cities except in census years. Rates by State for unmarried women by age, race, and Hispanic origin have been published for 1980 and 1990 (20, 21, and 27).

There are sizable variations in the proportions of births to unmarried women in racial and Hispanic origin subgroups (tables 13 and 14). In 1996, 38 percent or more of births to Mexican, Central and South American, Hawaiian, American Indian, and Puerto Rican women were nonmarital. Proportions were much lower for API subgroups (except Hawaiian), ranging from 9 to 19 percent, and for Cuban women, 25 percent. In addition to

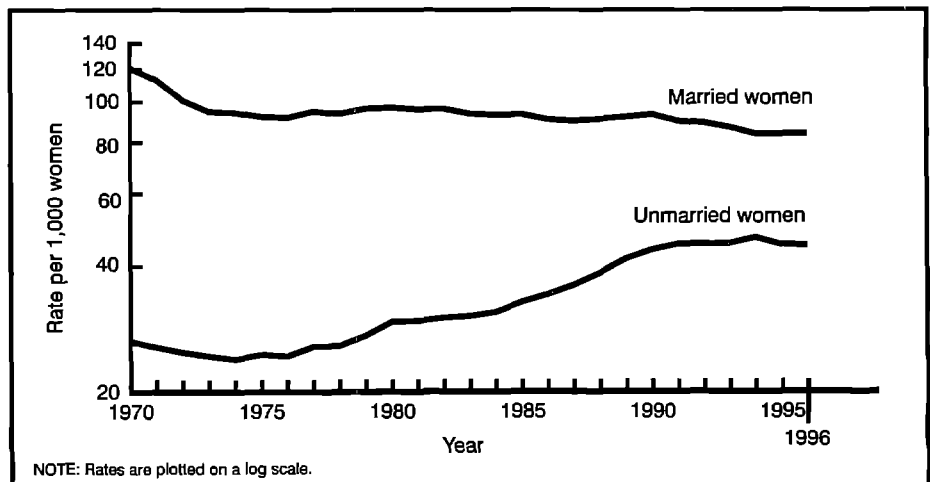


Figure 4. Birth rates by marital status of mother: United States, 1970-96

these variations, there are also differences within groups according to the mother's place of birth. In general, the proportions of nonmarital births are higher for births to women born in the 50 States and the District of Columbia compared with births to women born elsewhere.

Future trends in nonmarital births will be affected by changes in the birth rates for unmarried women and changes in the number of unmarried women. An additional factor is the overall distribution by age of unmarried women in the childbearing years. Over the next few years, the population of teenagers will be among the fastest growing; teenagers account for 30 percent of nonmarital births (table 17) (6). If the birth rates for unmarried teenagers in particular continue to fall over the next several years as they have during 1994-96, this will help to moderate any increases in nonmarital births.

The numbers and proportions of births to unmarried women by race and Hispanic origin for 1996 are shown in table 19 for the 50 States and the District of Columbia, Puerto Rico, the Virgin Islands, and Guam. The numbers increased in 39 States, Puerto Rico, and Guam and declined in 11 States, the District of Columbia, and the Virgin Islands. Similarly, increases in the proportions exceeded declines: The proportion increased in 37 States, the District of Columbia, Puerto Rico, the Virgin Islands, and Guam, declined in 12 States, and was unchanged in one State.

Age of father

The birth rate per 1,000 men aged 15–54 years declined for the sixth straight year in 1996 to 51.1 (table 20). This rate fell by 13 percent between 1990 and 1996, following a 7 percent increase during 1986–90. Information on age of father is often missing on birth certificates of children born to unmarried women, greatly inflating the number of “not stated” in all tabulations by age of father. In computing birth rates by age of father, births with 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 avoids the distortion in rates that would occur 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.

Rates reached a 7-year low per 1,000 men aged 15–19 years declining by 5 percent from 1995 to 1996. Rates per 1,000 men 20–24 years of age declined by 2 percent, for those aged 45–49 years by 3 percent, and for those aged 50–54 years by 4 percent. Small increases were measured in rates per 1,000 men aged 25–44 years.

Birth rates per 1,000 white and black men have declined steadily since 1990. Between 1990 and 1996, the rate per 1,000 white men aged 15–54 years dropped 11 percent to 48.4, while the rate per 1,000 black men aged 15–54 years dropped 20 percent to 68.3.

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). Higher educational attainment has also been linked to delayed childbearing and, over time, to smaller families (28,29).

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

(30). More than three-fourths of women who gave birth in 1996 had at least 12 years of schooling (78 percent) and 22 percent had at least 4 years of college (table C and table 21). The percent of mothers with at least a high school diploma increased with additional age, to about 90 percent for women who gave birth in their thirties, and then declined slightly for mothers 40 years of age and over (87 percent). The percent of mothers with at least 4 years of college was highest for mothers 40 years of age and over (42 percent). The median educational attainment for all mothers in 1996 was 12.8 years.

Non-Hispanic white mothers had more education than non-Hispanic black mothers—87 percent of non-Hispanic white mothers had at least 12 years of education compared with 72 percent of black mothers; 49 percent of Hispanic mothers had at least 12 years of education (table C). Twenty-nine percent of non-Hispanic white mothers had at least 4 years of college compared with 10 percent of non-Hispanic black mothers and 6 percent of Hispanic mothers. The proportion who had completed 12 years of education peaked for women in their thirties. Among women aged 30–34 years, for example, 96 percent of non-Hispanic white mothers, 88 percent of non-Hispanic black mothers, and 60 percent of Hispanic mothers had completed 12 years of education. Non-Hispanic mothers in their forties were most likely to have completed 4 years or more of

college—50 percent for white mothers and 26 percent for black mothers; among Hispanic mothers, those aged 35–39 years had the highest proportion in this category—15 percent.

Only two-thirds of American Indian mothers had 12 or more years of schooling, whereas 85 percent of Asian and Pacific Islander (API) mothers had attained this educational level, the highest of any group (table 13). In particular, nearly all of Japanese mothers (97 percent) had 12 or more years of schooling. Except for Chinese and “other” API mothers, a higher proportion of women in API subgroups who were born outside the 50 States and the District of Columbia had completed 12 or more years of schooling than their counterparts who were born inside these areas.

Although the overall proportion of Hispanic mothers with at least 12 years of education was low (49 percent), there was tremendous variation among Hispanic subgroups, ranging from 42 percent of Mexican mothers to 86 percent of Cuban mothers (table 14). A higher proportion of Hispanic women who were born in the 50 States and the District of Columbia had at least 12 years of education as compared with Hispanic women born elsewhere. This was especially evident for Mexican women for whom the proportion with 12 years or more of education was twice as high for those born in the 50 States and the District of Columbia as for those born outside these areas—62 percent

Table C. Percent of mothers completing 12 years or more of school and percent completing 4 years or more of college, by age, race, and Hispanic origin of mother: United States, 1996

Measure and race and Hispanic origin of mother	All ages	Age of mother			
		25–29 years	30–34 years	35–39 years	40 years and over
Percent completing 12 years or more of school					
All races ¹	77.6	85.5	90.1	90.0	87.2
Non-Hispanic white	87.0	93.2	96.1	96.4	96.0
Non-Hispanic black	72.0	86.2	88.1	87.7	85.6
Hispanic ²	48.6	55.4	59.6	56.4	48.2
Percent completing 4 years or more of college					
All races ¹	22.1	25.3	38.4	41.3	41.6
Non-Hispanic white	28.8	31.2	44.6	47.9	50.2
Non-Hispanic black	10.0	14.5	21.7	24.9	25.6
Hispanic ²	6.4	8.1	14.2	15.2	12.7

¹Includes races other than white and black and origin not stated.
²Persons of Hispanic origin may be of any race.

compared with 30 percent. The low educational attainment of Hispanic mothers in general and the variation among subgroups parallels the educational attainment of the Hispanic population in general (31).

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 (32). The total weight gained by the mother during pregnancy has been shown to have an independent, positive relationship with the weight of the newborn (33). Inadequate maternal weight gain along with low prepregnancy weight have been associated with intrauterine growth retardation and low birthweight (34,35).

In 1990 the National Academy of Sciences published weight-gain guidelines that varied according to women'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 28–40 pounds, those who are of normal weight (average BMI) gain 25–35 pounds, those who are overweight (high BMI), 15–25 pounds, and obese women, not more than 15 pounds (36).

Beginning with 1989, information on maternal weight gain has been collected from the birth certificate, but information on the mother's prepregnancy weight and height is not collected. 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 height and prepregnancy weight. Given the limitations of vital statistics data, the primary focus of this section is on the median weight gain (for descriptive purposes) and on weight gains that are for most women considered inadequate (less than 16 pounds).

In 1996 all States except California reported information on weight gain. Births to mothers residing in these States

accounted for 86 percent of all births in the United States. In 1996 the majority of women (63 percent) gained 26 pounds or more during pregnancy. (See tables 22 and 23 for data on maternal weight gain and low birthweight by weight gain.) The median weight gain changed very little during the 1989–96 period and was 30.4 pounds in 1996. Despite the consistency in the median weight gain, the percent of mothers who gained at either end of the weight gain spectrum was higher in 1996 than in 1989—weight gains of less than 16 pounds increased from 9.4 percent in 1989 to 11.1 in 1996 while weight gains of 46 pounds or more increased from 9.1 percent in 1989 to 11.0 percent in 1996.

The weight gain of women during pregnancy varied considerably by period of gestation. Mothers who had preterm infants (gestations of under 37 completed weeks) gained nearly 4 pounds less during pregnancy (27.1 pounds) than mothers who had babies with gestations of 40 weeks and over (30.8 pounds). The percent of mothers who gained less than 16 pounds was nearly twice as high for gestations of under 37 weeks as for gestations of 40 weeks and over—18.2 compared with 9.7 percent.

The median weight gain for non-Hispanic white women (30.7 pounds) was higher than for either non-Hispanic black women (29.0 pounds) or Hispanic women (29.6 pounds). The greatest disparities in weight gains were for gestations of under 37 weeks where the median weight gain for non-Hispanic white women was 3.7 pounds heavier than for non-Hispanic black women and 2.9 pounds heavier than for Hispanic women. For gestations of 40 weeks and over, the disparity in weight gain between groups was less than a pound.

The percent of non-Hispanic black mothers who had weight gains of less than 16 pounds (16.9 percent) was much higher than for Asian or Pacific Islander (API) mothers (9.2 percent) and non-Hispanic white mothers (9.4 percent) while American Indian mothers were intermediate (15.1 percent) (tables 24 and 25). There was wide variation among API subgroups in the percent of mothers who gained less than 16 pounds, ranging from 6.3 percent of Chinese mothers to

10.6 percent of "other" API mothers. These differences in weight gain are reflected in differences among groups in the percent of births born preterm.

Within Hispanic subgroups, the percent of Mexican mothers who gained less than 16 pounds (14.7 percent) was twice as high as for Cuban mothers (7.2 percent) while the remaining groups were intermediate (table 25). A smaller proportion of Hispanic women who were born in the 50 States and the District of Columbia gained less than 16 pounds than Hispanic women born outside this area (except for other and unknown Hispanic women).

As mentioned above, maternal weight gain has been shown to have a positive correlation with the birthweight of the infant. This relationship is substantiated by the data in table 23, which shows the percent of infants with low birthweight by the weight gain of the mother, according to the infant's gestational age. Overall, the percent of infants with low birthweight drops steadily with increasing weight gain through 45 pounds and then increases slightly for mothers who gained 46 pounds or more. This pattern is generally replicated when the data are examined according to the period of gestation. For example, among infants born after 37–39 completed weeks of gestation, the percent low birthweight for births to mothers gaining less than 16 pounds (7.1 percent) was double the percent low birthweight for births to mothers gaining 31 pounds or more (3.1–3.5 percent). Regardless of gestational period, the decline in low birthweight with additional maternal weight gain was present for all groups.

Medical risk factors

Maternal medical risk factors can severely complicate pregnancy and result in poor birth outcomes, particularly when not adequately treated. For example, the hypertensive disorders (preeclampsia and pregnancy-associated and chronic hypertension) have been linked to inadequate birthweight, shortened gestations, and infant death; diabetes has been associated with hyaline membrane disease/respiratory distress syndrome, and developmental abnormalities (37–39).

Sixteen medical risk factors affecting pregnancy are separately identified on the

birth certificate. Although data for this item were missing from only 1.3 percent of records for 1996 (table 26), birth certificate data may underreport medical risk factor prevalence (40). Also, rates for less common medical risk factors and for smaller population groups can vary widely from year to year and should be interpreted with caution.

Pregnancy-associated hypertension, the most frequently reported medical risk factor, increased for the fifth consecutive year, rising from 34.1 to 35.9 per 1,000 for 1995–96. (See table 26 for 1996 data.) Pregnancy-associated hypertension has risen 32 percent since the early 1990's. However, the rate of chronic hypertension was largely unchanged (from 6.7 for 1995 to 6.8 per 1,000 for 1996), and the eclampsia rate was down slightly from 3.7 to 3.5 per 1,000 for 1995–96, lower than the levels reported for 1989–92.

Diabetes and anemia are the second and third most frequently reported complications of pregnancy. The diabetes rate for the current year was 26.3 per 1,000 compared with 25.2 for 1995. Diabetes prevalence rose between 1990 and 1992 (from 21.3 to 25.9), but has been basically stable since. The maternal anemia rate was 19.6 per 1,000 for 1996, compared with 20.5 for 1995. Only moderate change has been reported in anemia rates since 1990.

The prevalence of lung disease (e.g., asthma, tuberculosis) was 8.3 per 1,000 for 1996, higher than the 1995 rate of 6.9. Although still comparatively rare—reported for less than 1 percent of mothers—the level of acute or chronic lung disease has more than doubled since 1990 (3.0). Similarly, the rate of hydramnios/oligohydramnios (the excess or shortage of amniotic fluid) during pregnancy rose again for 1996 to 12.5 per 1,000, having more than doubled since 1990, from 5.9.

Most of the medical risk factors reported on the birth certificate vary quite widely by maternal age. For example, anemia is more common among younger than among older mothers. Conversely, chronic conditions such as cardiac disease, diabetes and chronic hypertension occur more frequently among mothers 30 years of age and over. Other risk factors, such as hydramnios/oligohydramnios and

pregnancy-associated hypertension, follow a U-shaped pattern, with the highest levels at the extremes of the maternal age distribution.

Rates for medical risk factors also differ by population subgroup. Anemia and chronic hypertension are twice as common among black compared with white mothers, and although overall levels are similar, older black mothers are much more likely than their white counterparts to suffer from diabetes and pregnancy-associated hypertension. Overall trends and differences for the current year in the medical risk factor rates discussed above generally were applicable for both groups. Two notable exceptions, however, are first, the more pronounced rise in the level of hemoglobinopathy (a blood disorder) among black mothers since 1990 (1.2–3.1 per 1,000), and second, the increase in black mothers reported with incompetent cervix over the same time period (3.2–4.2 per 1,000).

As in previous years, reported levels of anemia, diabetes and pregnancy-associated hypertension were higher for American Indian mothers than for mothers of other racial or ethnic groups. About 5 percent of American Indian mothers were reported with each of these risk factors for 1996 (table 27).

Among Asian or Pacific Islander subgroups maternal anemia rates ranged from 9.9 for Chinese mothers to 35.9 for Hawaiian mothers. Diabetes was more common among Chinese (43.6) and Filipino (41.1) women than among women of other racial or ethnic subgroups except American Indian.

Rates for the most prevalent medical risk factors—anemia, diabetes, pregnancy-associated hypertension, and uterine bleeding—among all Hispanic mothers were comparable to, or lower than those for non-Hispanic white women (table 28). Rates varied by Hispanic subgroup, however. For example, Mexican women were substantially less likely than Puerto Rican women to have diabetes (22.9 compared with 33.5).

Tobacco use during pregnancy

Smoking during pregnancy continued to decline according to birth certificate data. In 1996, 13.6 percent of women

giving birth were reported to have smoked, down 2 percent compared with 1995 (13.9 percent) and 30 percent since 1989 (19.5 percent), when this information first became available on the birth certificate (41). Tobacco use was reported on the birth certificate in 1996 by 46 States, the District of Columbia, and New York City, comprising 80 percent of U.S. births. Information was not available for California, Indiana, South Dakota, and the remainder of New York State. (See tables 24, 25, and 29–32 for 1996 data.) 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 (7, 42).

Tobacco use during pregnancy is associated with a variety of adverse outcomes, including low birthweight, intrauterine growth retardation, and infant mortality, as well as negative consequences for child health and development (43–45). The mechanisms through which tobacco adversely affects pregnancy and birth outcome have been described elsewhere (46,47).

Maternal smoking increased for Puerto Rican, Cuban, American Indian, and Filipino women, was unchanged for Mexican women, and declined for non-Hispanic white and black women and women in other racial groups. As in previous years, rates were highest for non-Hispanic white, American Indian, and Hawaiian women (16–21 percent), and lowest for Mexican, Cuban, Central and South American, and Asian or Pacific Islander women (API) (except Hawaiian), 1–5 percent. Puerto Rican and non-Hispanic black women had smoking rates of 10–11 percent. Mexican and Central and South American women as well as women in API subgroups are disproportionately underrepresented in the areas reporting tobacco use. However, their generally low smoking rates based on information from birth certificates have been confirmed by other studies (48,49). Women born in the 50 States and the District of Columbia had substantially higher smoking rates than women born elsewhere, a pattern that has been described elsewhere (tables 24 and 25) (50).

Maternal smoking among teenagers increased about 2 percent overall, but among young teenagers aged 15–17 years, the rate rose 5 percent to 15.4 percent, with an even greater relative increase for young non-Hispanic black teenagers, from 4.3 to 5.0 percent. (See table 30 for 1996 data.) The increase for non-Hispanic black teenagers was the second consecutive year of increase, following steady declines from 1989, when this information first became available (41,51). Despite these increases, smoking rates for non-Hispanic white teenagers are still 4–6 times the rates for non-Hispanic black teenagers. Smoking rates rose as well in 1996 for Mexican and Puerto Rican teenagers aged 15–17 years. Smoking during pregnancy generally declined for women in age groups 20–44 years.

Non-Hispanic white women aged 18–19 years had the highest smoking rate, 29 percent (table 30). Patterns of smoking rates by age differ considerably by race and Hispanic origin (figure 5). At ages under 30 years, rates for non-Hispanic white women are sharply higher than for non-Hispanic black or Hispanic women (table 29). At ages 30 years and over, rates are highest for non-Hispanic black women. Rates for Hispanic women are consistently low, regardless of age, ranging from 3 to 5 percent.

Among smokers, the proportion of women smoking at least half a pack of cigarettes daily has declined steadily in recent years—to 33 percent in 1996 (compared with 42 percent in 1989) (41). Non-Hispanic white mothers were about twice

as likely as non-Hispanic black mothers to smoke half a pack or more (37 percent compared with 19 percent). The number of cigarettes smoked increases steadily with age for both white and black mothers (table 29) as well as for non-Hispanic white and black mothers and Hispanic mothers (tabular data not shown).

Rates of maternal smoking vary in a distinct pattern according to maternal educational attainment (table 31). Smoking rates are persistently highest for women with 9–11 years of education, 26 percent in 1996, followed by those with 12 years of education, 18 percent. Rates were lower for women with a grade school education (12 percent) and women with some college (10 percent), with the lowest rate of all reported by women with 4 years or more of college, 3 percent. Even among women aged 20 years and over, smoking rates were highest for mothers who attended but did not graduate from high school—31 percent overall. About half of non-Hispanic white women in this age and educational category were reported to have smoked during pregnancy (tabular data not shown).

Smoking rates were highest for non-Hispanic white women in every educational attainment category, with the largest disparity for women with a grade school education. Among Hispanic mothers smoking rates by educational level were consistently lower than for non-Hispanic white and black mothers. Compared with 1995, smoking rates declined for women in all education categories.

Babies born to mothers who smoke during pregnancy are at greatly elevated risk of low birthweight, a finding documented in birth certificate data as well as in numerous other studies (43, 46, and 52). In 1996, 12.1 percent of infants born to smokers weighed less than 2,500 grams (5 lb 8 oz) compared with 6.9 percent of births to nonsmokers (table 32). This nearly twofold differential has been observed since 1989 (41). The low birthweight (LBW) disparity by smoking status is nearly 2 times for non-Hispanic white and black infants and for Hispanic infants (tabular data not shown). Advancing maternal age exacerbates the risk; among women age 30 years and over, the LBW rate for births to smokers was at least 2.3 times that for births to nonsmokers. Some of this pattern is probably related to the much greater cigarette consumption among older women (table 29). Studies have shown that older mothers are more likely than younger mothers to continue smoking through pregnancy (53).

While LBW levels are consistently higher for births to women who smoke, regardless of how many cigarettes smoked, the risk is heightened as the number of cigarettes increases. Among the lightest smokers (1 to 5 cigarettes daily), the LBW rate was 11.1 percent, 61 percent higher than for nonsmokers. For mothers smoking more than a pack per day, the rate of LBW was 15.0 percent, one-third higher than that for light smokers and more than double the rate for nonsmokers (6.9 percent) (tabular data not shown).

Alcohol use during pregnancy

Pregnancy and birth outcome can be jeopardized by maternal alcohol use during pregnancy. While the most severe adverse effect of excessive drinking is fetal alcohol syndrome (FAS), even low-to-moderate alcohol use has been shown to negatively impact birth outcome, independent of other risk factors such as tobacco use and other maternal risk factors (54). All States except California and South Dakota included items on alcohol use on their birth certificates in 1996. This reporting area accounted for 86 percent of U.S. births.

Alcohol use during pregnancy is clearly substantially underreported on the birth certificate (40). A recent study

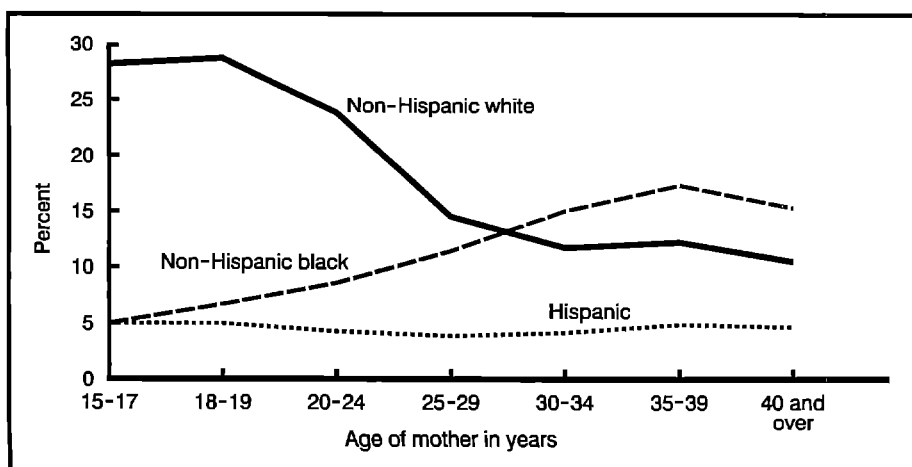


Figure 5. Percent of mothers who smoked during pregnancy by age and race/Hispanic origin of mother: United States, 1996

reported that about 19 percent of women used alcohol during pregnancy (48). According to birth certificate data, alcohol use declined again in 1996 to just 1.4 percent of mothers reporting any alcohol use compared with 1.5 percent in 1995 and 4.1 percent in 1989, the first year this information was reported on the birth certificates (41,51). Alcohol use varies considerably among racial and Hispanic origin populations (tables 24 and 25).

It is likely that the birth certificate questions on alcohol use have unintentionally affected the levels of reporting because they focus on the number of drinks per week, whereas other studies inquire about drinks per month. Women who drink one to two drinks per month may believe that their alcohol consumption is too little to report in response to the birth certificate questions. The stigma associated with alcohol use also contributes to the underreporting (32,55).

Even taking into account the severe underreporting of alcohol use on the birth certificate, these data do show a distinct pattern of elevated risk of low birthweight (LBW) among births to mothers reporting alcohol use, especially among women who also smoke. For example, in 1996, 22 percent of births to women aged 20 years and over who smoked and drank during pregnancy weighed less than 2,500 grams, compared with 7 percent of births to women who did not smoke or drink (tabular data not shown).

Medical services utilization

Prenatal care

The proportion of mothers beginning prenatal care in the first trimester of pregnancy increased for the seventh consecutive year rising to 81.9 percent for 1996, from 81.3 percent for 1995. (See text table D and figure 6.) Essentially unchanged throughout the 1980's, the proportion of mothers with first trimester care has risen slowly but steadily since 1989, and includes quite a substantial improvement among some subgroups. Concurrent with the 1995-96 rise in timely care, the proportion of mothers with delayed (care beginning in the third trimester), or no care at all, declined

Table D. First trimester prenatal care by race and Hispanic origin of mother: United States, 1980, 1985, and 1990-96

Year	All races ¹	Non-Hispanic		Hispanic ²
		White	Black	
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.
¹Includes races other than white and black and origin not stated.
²Persons of Hispanic origin may be of any race.

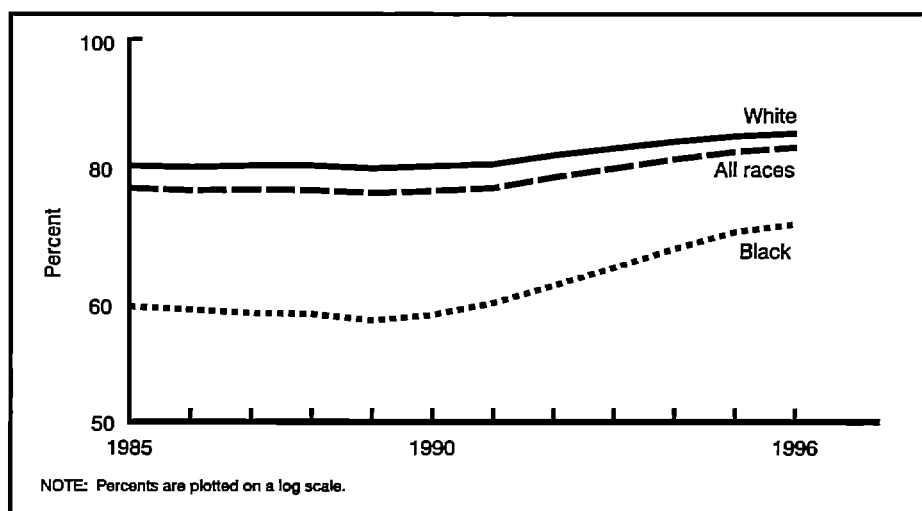


Figure 6. Percent of mothers with first trimester prenatal care by race of mother: United States, 1985-96

slightly from 4.2 to 4.0 percent. The percent of mothers with late or no care has fallen by more than a third (from 6.4 percent) since 1989.

The effects of prenatal care are difficult to measure (56,57), but early, comprehensive care can promote healthier pregnancies by detecting and managing preexisting medical conditions, providing health behavior advice, and assessing the risk of pregnancy outcomes such as low birthweight and preterm birth (58). Prenatal care can also be vital to maternal health and can serve as a gateway into the health care system, especially for socially disadvantaged women (57).

Gains in the proportion of mothers beginning prenatal care in the first trimester were reported for mothers of all racial or ethnic groups, except Japanese and

Cuban for 1995-96. For 1996, levels ranged from 67.7 percent for American Indian to 89.2 percent for Cuban and 89.3 percent for Japanese mothers. (See tables 24 and 25 for 1996 data.)

Since 1989, prenatal care utilization, as measured by the proportion of women with care beginning in the first trimester, and the proportion with late or no care, has improved markedly for groups with the least favorable levels of care, i.e., non-Hispanic black, Hispanic (specifically, Mexican, Puerto Rican, and Central and South American), Hawaiian, and American Indian mothers (tables 24 and 25) (2).

Among non-Hispanic black women, first trimester care continued to rise between 1995 and 1996, from 70.4 to 71.5 percent, and the percent of women

with late or no care declined from 7.6 to 7.3 percent. Since 1989, the proportion of non-Hispanic black mothers who began care in the first trimester of pregnancy has risen 19 percent (from 59.9 percent). Between 1995 and 1996, prenatal care utilization among black non-Hispanic mothers improved for all age groups except for those less than 15 years of age. (See tables 33–35 for 1996 data.)

Among all Hispanic mothers, first trimester prenatal care rose from 70.8 to 72.2 percent, and late or no care declined from 7.4 to 6.7 percent for 1995–96. (See table 25 for 1996 data.) Since 1989, prenatal care utilization among Hispanic mothers has improved markedly; early care has risen 21 percent (from 59.5 percent) and late or no care has fallen by nearly half, from 13.0 to 6.7 percent. Over this time period, substantial gains in timely care have occurred among both Hispanic women born within the 50 States and the District of Columbia and those born outside. In 1989 only 63.2 percent of those born within the 50 States and the District of Columbia, and 57.0 percent of those born outside received first trimester care, compared with 75.4 and 70.3 percent, respectively, for 1996.

Mexican mothers registered the largest gains in prenatal care utilization between 1989 and 1996, rising 25 percent from 56.7 to 70.7 percent. Other Hispanic subgroups reporting pronounced gains over this period were Puerto Rican mothers with a 20 percent rise (from 62.7 to 75.0 percent) and Central and South American mothers with a 23 percent rise (from 60.8 to 75.0 percent). Despite these improvements, wide differences in prenatal care utilization continued among Hispanic subgroups, however. For 1996, 89.2 percent of Cuban women received care in the first trimester compared with 70.7 percent of Mexican women.

Among non-Hispanic white women, the percent of mothers receiving first trimester care rose slightly to 87.4 for 1996, from 87.1 percent for 1995. The proportion of women with late or no care was down very slightly from 2.5 to 2.4 percent. Since 1989, first trimester care has risen 6 percent (from 82.7 percent) for this group.

The proportion of American Indian mothers with timely care was 67.7 percent for 1996, a slight increase over the level reported for 1995 (66.7 percent), and 17 percent higher than that reported for 1989 (57.9 percent). The percent of American Indian mothers with late or no care declined to 8.6 percent for 1996, compared with 9.5 percent in 1995, and 13.4 percent for 1989. (See table 24 for 1996 data.)

Among Asian or Pacific Islander mothers, timely care increased for 1995–96 by 1 to 3 percent for Chinese (85.7 to 86.8 percent), Hawaiian (75.9 to 78.5 percent) and Filipino mothers (80.9 to 82.5 percent), but declined very slightly for Japanese mothers (from 89.7 to 89.3 percent). The percent of Hawaiian mothers with first trimester care has risen from 66.8 percent since 1989, an increase of 18 percent. (See table 24 for current year data.)

The proportion of women beginning care in the first trimester and the percent with late or no care by race and Hispanic origin by State are shown in table 34. The proportion of women with first trimester care in 1996 ranged from 64.6 percent for the District of Columbia, to 89.9 percent for Maine. The majority of States reported only slight or no improvement in timely prenatal care. One notable exception to this trend was the District of Columbia with a 1996 level 8 percent higher than that for 1995 (from 59.8).

The Adequacy of Prenatal Care Utilization Index (APNCU) was developed by Milton Kotelchuck, Ph.D., to correct for some of the weaknesses of the trimester care began and the Kessner Index as measures of prenatal care utilization (59). The APNCU compares the actual number of prenatal care visits to the expected number based on the full American College of Obstetricians and Gynecologists (ACOG) recommendations, adjusting for

the month care began and gestational age at delivery. The APNCU also includes a category for “intensive use” of prenatal care services that was developed to identify women for whom the number of visits exceeds ACOG recommendations by a ratio of observed to expected visits of at least 110 percent.

The APNCU indicates that in 1996, for 73.1 percent of all mothers, prenatal care utilization was at least adequate (including 29.3 percent with intensive use of care), and 26.9 percent of mothers received less than adequate care (including 9.8 percent with inadequate or no care) (table E). These figures represent an increase over 1995 in the proportion of mothers with intensive use (from 28.8 percent) and a decline for all other categories of prenatal care utilization. A recent study found that intensive prenatal care utilization has risen from 18.4 percent in 1981, while the proportion of women with adequate care remained essentially unchanged (60).

Obstetric procedures

The most prevalent obstetric procedure in 1996 was electronic fetal monitoring (EFM), reported for nearly 3.2 million births, or 83 percent of all live births (table 36). EFM usage in 1996 rose for the seventh consecutive year, reflecting continuing increases in all age groups. Non-Hispanic white mothers had the highest (85 percent) and Mexican mothers had the lowest (74 percent) rates in EFM usage in 1996 (tables 27 and 28). Six specific obstetric procedures are reported on the birth certificate. It has been shown that these procedures are underreported (61).

According to data from the birth certificate, 64 percent of mothers who had live births in 1996 received ultrasound, a 5 percent increase from 1995 and a 33 percent increase over 1989 (48 percent).

Table E. Adequacy of Prenatal Care Utilization Index: United States, 1995–96

	Intensive use	Adequate	Intermediate	Inadequate	No care
1996	29.3	43.8	17.1	8.7	1.1
1995	28.6	43.9	17.2	8.9	1.2

NOTE: See reference 59 for information on calculation of this measure.

The overall rates of stimulation of labor and induction of labor in 1996 were both 169 per 1,000 live births, 5 to 6 percent higher than in 1995. The rates of both of these procedures have been rising steadily every year since 1989 (62).

Amniocentesis, an invasive prenatal diagnostic procedure performed to detect genetic disorders, was reported for 32 of every 1,000 live births in 1996. The rate of amniocentesis for mothers in their forties was 21 times the rate for teenage mothers, 192 per 1,000 compared with 9 per 1,000.

Complications of labor and/or delivery

Of the 15 reported complications of labor and/or delivery, 3 were reported at a rate greater than or equal to 30 per 1,000 live births in 1996: meconium, moderate/heavy (58 per 1,000), fetal distress (42 per 1,000), and breech/malpresentation (38 per 1,000) (table 37). Rates for these three complications varied by race and Hispanic origin (tables 27 and 28). It has been shown that levels of these complications may be underreported on the birth certificate (61).

Although not frequent, placenta previa is a serious complication that occurred in nearly 13,000 births in 1996. Data from birth certificates identify increasing age of mother and live-birth order as two risk factors for this complication (63).

Attendant at birth and place of delivery

More than 9 out of 10 births in 1996 (92.9 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 1996 than in 1995 (93.4 percent) and has declined from 98.4 percent in 1975. For physician-attended births, only about 4 percent were by doctors of osteopathy (DO's) and 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 1996 (6.5 percent). About 95 percent of midwife-attended births in 1996 were by certified nurse midwives (CNM's), and the remaining 5 percent by "other" midwives. CNM-attended deliveries were almost universally in hospitals (96 percent) whereas deliveries by "other" midwives were most likely in a residence (61 percent). A recent article presents more detailed information on the trends and characteristics of midwife-attended births (64).

About 99 percent of births in 1996 were delivered in hospitals, almost unchanged from the 1975 level. The majority of out-of-hospital births were in a residence (64 percent) while 28 percent were in a freestanding birthing center.

About 94 percent of births to non-Hispanic white women were attended by a physician in a hospital compared with about 92 percent of births to non-Hispanic black women and 91 percent of births to Hispanic women. Non-Hispanic black women and Hispanic women were more likely to have midwife-attended hospital births, comprising 7 and 8 percent of all births in their respective groups, than were non-Hispanic white women (5 percent). Altogether, 99 percent of births to women in each group were in hospitals. For out-of-hospital births, the majority of Hispanic women gave birth in a freestanding birthing center (53 percent) whereas non-Hispanic white and black women giving birth out of the hospital were most likely to have a residence as the birth setting (68 and 73 percent, respectively).

Method of delivery

The rate of cesarean delivery declined slightly between 1995 and 1996 (from 20.8 per 100 live births to 20.7), continuing a steady decline in the rate since 1989 (22.8), the first year this information was available on the birth certificate (table F and table 39). In total, the cesarean rate was 9 percent lower in 1996 than in 1989. Similarly, the primary cesarean rate (first cesareans per 100 live births to women who had no previous cesarean) also declined each year and was 9 percent lower in 1996 (14.6) than in 1989 (16.1). Concomitant with the decline in cesarean rates during this period was a 50-percent increase in the rate of vaginal birth after previous cesarean delivery (VBAC)—from 18.9 in 1989 to 28.3 in 1996.

Overall cesarean rates increased steadily by age of the mother and were more than twice as high for mothers 40–49 years of age (31.6) than for teenagers (14.5) (table 40). Primary cesarean rates increased with age after age 24 but the differences between age categories were smaller than for the overall cesarean rates. VBAC rates declined with increasing age—a third of teenagers who had a previous cesarean had a VBAC delivery compared with 22 percent of mothers 40–49 years of age. Compared with 1995, total and primary cesarean rates in 1996 were lower for all age groups under 30 years but remained unchanged for mothers in age groups 30 years and over. All age groups experienced increases in VBAC rates between 1995 and 1996.

Non-Hispanic black women had a higher cesarean rate in 1996 (21.7) than either non-Hispanic white women (20.8) or Hispanic women (20.0) (tables 39–40). Between 1989 and 1996 the cesarean rate for non-Hispanic black women declined only 2 percent while the declines for non-Hispanic white and Hispanic women were 12 and 7 percent, respectively. Similar to the total cesarean rate, the primary cesarean rate in 1996 was higher for non-Hispanic black women (15.7) than for non-Hispanic white (14.8) and Hispanic women (13.4) and the decline for non-Hispanic black mothers since 1989 was smaller. The VBAC rate in 1996 was highest for non-Hispanic white women (29.5), lowest for Hispanic women (24.8), and intermediate for non-Hispanic black women (26.9). A recent report provides a more detailed analysis of the changes in cesarean and VBAC rates between 1991 and 1995 (65).

American Indian and Asian and Pacific Islander (API) mothers had lower cesarean rates (18.1 and 18.6, respectively) than either non-Hispanic white or black mothers (20.8 and 21.7, respectively) (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 lowest cesarean rate of all API subgroups was for Hawaiian mothers (16.0). Japanese mothers who were born outside the 50 States and the District of Columbia had a much lower cesarean rate in 1996 (14.4) than their

Table F. Total and primary cesarean rates and vaginal birth after previous cesarean delivery rates: United States, 1989–96

Year	Cesarean rate		VBAC rate ³
	Total ¹	Primary ²	
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

¹Percent of all live births by cesarean delivery.²Number of primary cesareans per 100 live births to women who have not had a previous cesarean.³Number of vaginal births after previous cesarean (VBAC) delivery per 100 live births to women with a previous cesarean delivery.

counterparts who were born in the 50 States and the District of Columbia (19.8). For the remaining API subgroups (except for Hawaiian), those born in the 50 States and the District of Columbia had lower cesarean rates than those born outside this area. The rate of cesarean delivery varied between 19.4 and 21.3 for all Hispanic subgroups except for Cuban mothers whose rate was much higher (30.3) (table 25). Except for Mexican mothers, Hispanic women who were born in the 50 States and the District of Columbia had lower cesarean rates than their counterparts who were born outside this area.

There was considerable variation in cesarean rates by State ranging from a high of 26.6 in Mississippi to a low of 15.1 in Colorado (table 41). Colorado was the only State in 1996 whose cesarean rate met the year 2000 national health objective of 15 percent or lower (66). VBAC rates ranged between 41.7 in Vermont to 12.9 in Louisiana with 14 States having VBAC rates that met the year 2000 goal of 35.0 or higher (66).

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 21.5 for mothers with Rh sensitization to 47.8 for mothers with eclampsia. Other medical risk factors in which more than a third of births were by cesarean were chronic hypertension (38.6), hydramnios/oligohydramnios (37.0), pregnancy-associated hypertension (36.1), genital herpes (36.0) and diabetes (35.2). Certain complications of labor and/or delivery are also associated with high cesarean rates. Nearly

all births with cephalopelvic disproportion were cesarean deliveries (96.5) while the cesarean rates for breech/malpresentation (84.7) and placenta previa (81.6) were also very high. In addition, more than half of births with cord prolapse (66.4), dysfunctional labor (63.1), abruptio placenta (58.1), and fetal distress (54.5) were by cesarean delivery. Cesarean rates for most of the medical risk factors and complications of labor and/or delivery have declined since 1989.

During the 1989–96 period, the percent of births that were delivered by either forceps or vacuum extraction increased only slightly, from 9.0 to 9.4 percent. During that period, however, there was a shift as the number and percent of births delivered by forceps declined each year while the use of vacuum extraction consistently increased. In 1996, 3.2 percent of births were delivered by forceps compared with 5.5 percent in 1989—a 42 percent decline. Vacuum extraction was used in 6.2 percent of births in 1996, a 77 percent increase compared with 1989 (3.5). As in previous years, forceps and vacuum extraction deliveries were slightly more common in births to white than black mothers.

Infant health characteristics

Period of gestation

The preterm birth rate for 1996 was 11.0, unchanged from 1995. Since 1981, the proportion of preterm births (infants born prior to 37 completed weeks of

gestation) has risen 17 percent (from 9.4 percent). Put another way, the increase in the preterm rate over this time period represents at least 55,000 more preterm babies in 1996 than would have been born had the level remained stable. (See tables 43 and 44 and figure 7.) Preterm newborns are at greater risk than infants born at longer gestations of neurodevelopmental and respiratory disorders (67) and are nearly 7 times more likely to die within the first year of life (68).

The primary method used to determine the gestational age of the newborn from birth certificate data 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. See Technical notes for additional information on procedures for measuring gestational age.

Preterm births are primarily the result of three nonmutually exclusive categories: spontaneous preterm labor, preterm premature rupture of the membranes (PROM), and medical induction. Birth certificate data indicate that the rate of PROM has declined slightly since 1989, but that the percent of preterm births that were medically induced has nearly doubled, rising from 6.7 to 11.8 percent (41, 62).

The proportion of preterm births to non-Hispanic white mothers rose from 9.4 to 9.5 percent between 1995 and 1996 (see table 25 for 1996 data). The percent preterm among this group has risen from 8.4 since 1989, and among births to all white mothers (i.e., including Hispanic), from 7.9 to 9.8 percent between 1981 and 1996. Much of the increase for 1995–96 among non-Hispanic white births was the result of an increase in multiple births that are more likely to be born preterm. The preterm rate among singleton non-Hispanic white births was unchanged at 8.1 percent.

The proportion preterm among births to black mothers fell from 17.7 to 17.4 percent for 1995–96 but remained substantially higher than that of any other racial and ethnic group. (Among non-Hispanic black births levels were very

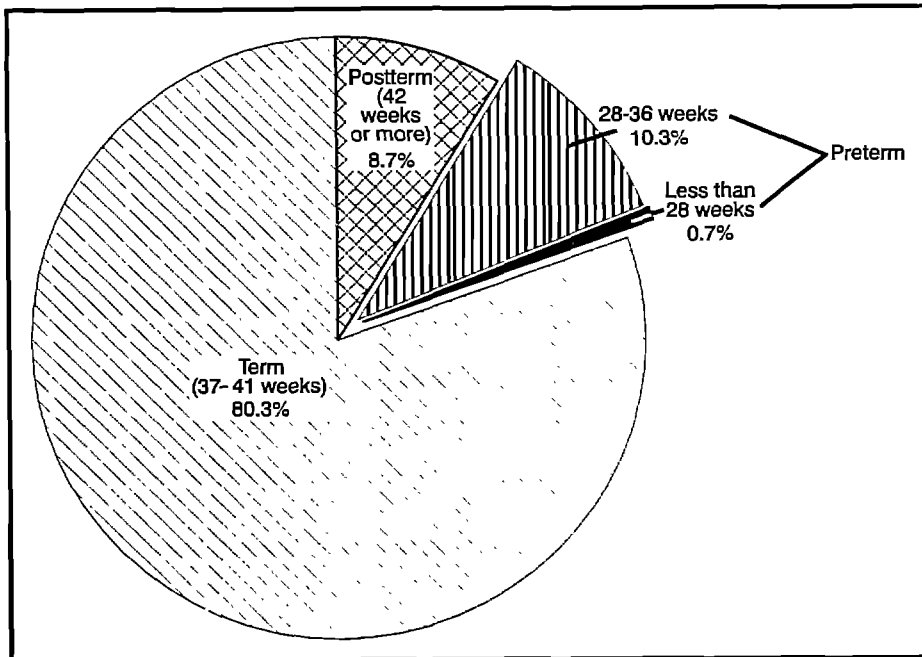


Figure 7. Gestation distribution: United States, 1996

similar, 17.8 and 17.5 percent.) The preterm rate among black infants had risen to a high of 18.9 percent during the late 1980's and early 1990's, but has been declining since 1993. The current level is the lowest reported since 1982. Declines for 1995-96 were noted for gestational ages below and equal to or over 32 completed weeks. Since 1993, preterm levels have dropped among infants born to black mothers of all age groups except those 40-44 years of age.

The level of preterm birth for Hispanic mothers was unchanged at 10.9 percent for 1996. Rates among the Hispanic subgroups ranged from 10.3 percent for births to Cuban women to 13.2 percent for Puerto Rican births. Mexican women born in the 50 States and the District of Columbia were more likely than their counterparts born elsewhere to have a preterm infant, but this pattern was reversed among Puerto Rican and Cuban women.

For 1996, 11.9 percent of births to American Indian mothers were born preterm, an improvement over the level reported for 1995 (12.4 percent). (See table 24 for 1996 data.) As in previous years, the lowest preterm birth rates of any racial or ethnic group were reported for births to Chinese (7.4) and Japanese mothers (8.2). Rates for Hawaiian and Filipino births were substantially higher at 11.5.

Birthweight

The percent low birthweight (LBW) (less than 2,500 grams) was 7.4 for 1996, up from 7.3 percent for 1995. Low birthweight declined during the 1970's and early 1980's, but has risen 10 percent since 1984 (from 6.7 percent). (See table 44 and figure 8.) The percent very low birthweight (VLBW) (less than 1,500 grams) was 1.37 percent for 1996, compared with 1.35 for 1995 (table 44). This level has increased slightly since 1980, from 1.15 percent. Recent medical advances have greatly lessened the risk of death for smaller infants (69-71), but they continue to be at much greater risk than heavier infants. For 1995 the mortality rate (infant deaths under 1 year of age per 1,000 live births) for infants born VLBW was 268.4, compared with 18.2 for those weighing 1,500-2,499 grams, and 3.0 for heavier infants (68).

The rise in overall LBW for 1995-96 is primarily the result of the increase in LBW among infants born to non-Hispanic white women (6.2 to 6.4 percent). (See table 45 for 1996 data.) Most of the current year increase in LBW, and the very slight rise in VLBW for non-Hispanic white births (1.04 to 1.08 percent), is attributable to an increase in the proportion of multiple births among these mothers (multiple births are much more likely than singletons to be LBW), and to

a slight increase in LBW for multiple births; the LBW rate among singleton births to non-Hispanic white women was unchanged at 4.9 percent. Since 1992, however, non-Hispanic white singleton LBW has risen from 4.6 percent, and thus, increases in multiple births cannot account for all of the rise in total non-Hispanic white LBW over this period.

Among births to non-Hispanic black mothers, LBW declined from 13.2 to 13.1 percent between 1995 and 1996, but was still higher than that of any racial or ethnic group and more than twice that of non-Hispanic white births. LBW among non-Hispanic black births has decreased each year since 1993, from 13.4 percent. For 1996, the percent VLBW for black non-Hispanic births was 3.02 compared with 2.98 for 1995. Among births to all black mothers (including Hispanic, which account for less than 3 percent of all black births in 1996), LBW rose during the mid 1980's through the early 1990's, but has declined each year since 1993.

The comparatively high incidence of LBW for births to non-Hispanic black mothers can be largely attributed to their greater likelihood of being born preterm (17.5 percent compared with 11.0 percent of births to mothers of all races). Babies born preterm are much more likely to be LBW than babies born at longer gestations. (See table 43.) Non-Hispanic black births are also, however, more likely to be LBW when born preterm; 49.5 percent compared with 43.5 percent of white non-Hispanic, and 35.9 percent of Hispanic births, and are twice as likely as white non-Hispanic and Hispanic births to be LBW when born at term; 5.5 compared with 2.5, and 2.7 percent, respectively.

Overall Hispanic LBW was 6.3 percent, unchanged from 1995, but slightly higher than levels reported for the early 1990's (6.1 percent) (2). (See tables 25, 43, and 45 for 1996 data.) Despite a higher prevalence of risk factors for poor pregnancy outcome such as younger maternal age, lower education, and less utilization of prenatal care, the LBW level for all Hispanic births, and especially that for Mexican births (5.9 percent), compares favorably with that of non-Hispanic white births (6.4 percent), and most other racial or ethnic groups. Risk does vary widely by Hispanic subgroup, however,

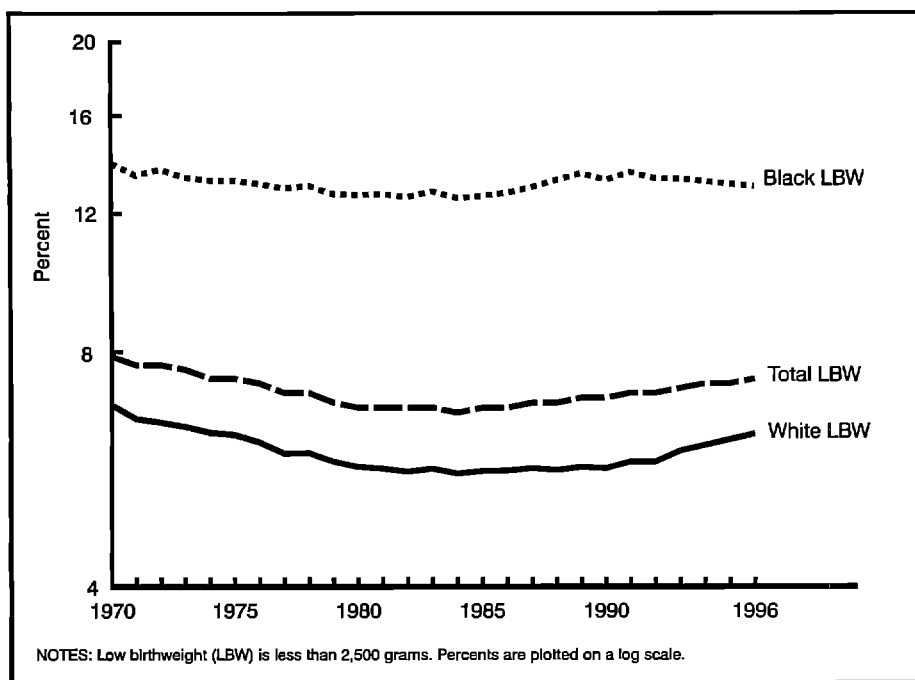


Figure 8. Percent low birthweight by race: United States, 1970-96

with rates ranging from 5.9 percent of Mexican to 9.2 percent of Puerto Rican births. Low birthweight rates also tend to be lower for births to Hispanic women born outside of the 50 States and the District of Columbia, but this pattern varies by subgroup (table 25).

For 1996, 6.5 percent of American Indian infants weighed less than 2,500 grams at birth (table 24), compared with 6.6 percent for 1995. Although the LBW proportion for American Indian infants is similar to that of white births, American Indian infants are much more likely to die within the first year of life (9.0 compared with 6.3 per thousand for 1995), the result of higher mortality among infants aged 28 days through 11 months (68).

No substantial change in low birthweight was noted among the Asian or Pacific Islander subgroups for 1996 (table 24). For the current year, levels ranged from 5.0 percent for births to Chinese women, to 7.9 percent of Filipino births.

The risk of LBW varies by maternal age with the lowest risk for mothers aged 25-34 years, and the highest for those under age 20, and 40 years of age and over (table 45). Although overall levels of LBW are slightly more elevated for births to mothers 40 years of age and over, singletons born to older mothers are less

likely than singletons born to mothers under 20 years of age to be LBW (7.8 compared with 8.5 percent) (tabular data not shown).

The median birthweight for 1996 was 3,350 grams (7 lb 7 oz) unchanged from 1995, the lowest figure reported since 1978. The percent macrosomia (birthweight of at least 4,000 grams) for 1996 was 10.2, compared with 10.3 percent for 1995. The proportion of macrosomic births has been decreasing since 1991, after peaking at about 11 percent in the 1980's.

For the majority of States LBW for non-Hispanic white births increased or was unchanged between 1995 and 1996. A decline of at least 5 percent occurred for only two States: Idaho and New Hampshire. Rates ranged from 4.6 percent in New Hampshire, to 8.4 percent in Colorado (table 46). Rates of VLBW for non-Hispanic white births ranged from 0.7 percent (Alaska) to 1.3 percent (Alabama, Arkansas, Delaware, North Carolina, and Tennessee) (table 47). Of the 35 areas reporting at least 1,000 non-Hispanic black births, LBW declined by 5 percent or more in 6 States: Arizona, Colorado, Missouri, Nebraska, Virginia, and Wisconsin. Low birthweight levels for non-Hispanic black infants ranged from 10.7 and 10.9 in Nebraska and Washington, to 16.7 percent for the District of Columbia;

VLBW levels ranged from 2.4 percent (Colorado) to 4.4 percent (District of Columbia).

Apgar score

The Apgar score was developed by the late Virginia Apgar, M.D., as a means of evaluating the physical condition of newborns shortly after delivery (72). The score considers five characteristics of the baby that are easily identifiable—heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these characteristics 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 and a score of 7 or greater indicates that the baby is in good-to-excellent physical condition. The Apgar score is assessed at 1 and 5 minutes after delivery and used to predict the newborn's chances of survival with the 5-minute score regarded as the better measure on which to make predictions.

In 1996 NCHS collected information on the 5-minute score only. All States except California and Texas collected information on the 5-minute Apgar score in 1996. Births to residents in these States accounted for 78 percent of all births in the United States. Only 1.4 percent of babies had Apgar scores that were considered low (less than 7) at 5 minutes after birth, unchanged from 1993-95 (table 24). The percent of infants with low 5-minute Apgar scores declined sharply between 1984-90, from 2.0 to 1.5 (data not shown), but has changed very little since then.

Of all racial groups, Asian or Pacific Islander babies were in the best physical condition shortly after delivery (tables 24 and 25). This was particularly true for Japanese and Chinese babies—only 0.7 percent had low 5-minute scores. The percent of babies with low scores was intermediate for non-Hispanic white and American Indian mothers, between 1.2 and 1.4, while 2.5 percent of non-Hispanic black babies had low 5-minute scores. Among Hispanic subgroups, the percent of babies with low 5-minute scores ranged from 0.8 for Cuban mothers to 1.4 percent for Puerto Rican and other and unknown Hispanic mothers.

In general, the variation among racial and ethnic groups in the percent of babies with low 5-minute Apgar scores was con-

sistent with the percent of babies that were born preterm or with low birth-weight (tables 24 and 25).

Abnormal conditions of the newborn

Of the eight specific abnormal conditions reported on the birth certificate, the rates per 1,000 live births in 1996 were highest for assisted ventilation less than 30 minutes (21 per 1,000), assisted ventilation 30 minutes or longer (9 per 1,000), and hyaline membrane disease/respiratory distress syndrome (RDS) (7 per 1,000) (table 48). Other studies have found that these conditions may be underreported on the birth certificate (61).

Rates of hyaline membrane disease/RDS were far higher for low birth-weight infants (less than 2,500 grams) than among infants weighing 2,500 grams or more (53 compared with 3 per 1,000 live births); there were similar large differences in rates by birthweight for assisted ventilation 30 minutes or longer (69 and 4 per 1,000 live births) (tabular data not shown).

Congenital anomalies

In 1996 congenital anomalies were reported on the birth certificates of the District of Columbia and all States except New Mexico. These areas included 99 percent of births in the United States. It has been shown that these anomalies are underreported on the birth certificate (61,73).

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. Caution should 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.

Rates for many of the anomalies reported on the birth certificates vary considerably by age of mother (table 49). As an example, the rate for Down's syndrome for births to mothers aged 40-49 years, 350 per 100,000 live births, was 15 times the rate of 24 for mothers aged 20-24 years.

Multiple births

There were 106,689 live births in multiple deliveries in 1996; 100,750 twins, 5,298 triplets, 560 quadruplets, and 81 quintuplet and other higher order multiple births. (See table 50 and table G.) For 1996 the number of twin births rose 4 percent over the previous year, and the number of higher order multiple births (triplets, quadruplets, quintuplets, and other higher order multiple births) by 19 percent, the largest single year increase in higher order multiples in at least 25 years (74).

The multiple birth rate (the number of multiple births per 1,000 live births), which is primarily a measure of twin births, rose 5 percent, from 26.1 to 27.4 for 1995-96. The twinning rate (the number of twin births per 1,000 live births) grew 4 percent (from 24.8 to 25.9). Since 1980, the number of twins has risen 47 percent (from 68,339), and the twin birth rate by 37 percent (from 18.9). (See table 50 for 1996 data.)

The higher order multiple birth rate (the number of triplet, quadruplet, quintuplet, and other higher order multiples per 100,000 births), climbed 20 percent, from 127.5 to 152.6 per 100,000 between 1995 and 1996. This rate has doubled since 1990 (72.8), quadrupled since 1980 (37.0), and quintupled since 1971 (29.1) (figure 9). In the early 1970's only about 1 of 3,500 births was a higher order multiple, but by 1996, this rate had lowered to 1 of 655 births (74). Triplets comprise the bulk (89 percent in 1996) of higher order multiple births, but the number of quadruplets and quintuplets and other higher order multiples have also risen markedly in recent years, and have at least doubled since the early 1990's (table G).

It is estimated that about one-third of the increase in multiple births is the result of the shift towards older childbearing (the risk of multiple delivery generally increases with maternal age). Most of the rise in multiple births since the early 1980's, however, has been attributed to the increased use of fertility enhancing therapies (ovulation-inducing drugs and assisted reproductive techniques (ART) such as in vitro fertilization) which are more likely to result in a multiple gestation (74-76). A recent study found that 37 percent of live births resulting from ART were multiple births (77).

Multiple births, and especially higher order multiple births, occur more frequently among certain racial or ethnic groups. For example, the Hispanic twinning rate (18.6) is substantially lower than the non-Hispanic white (27.8), and non-Hispanic black (29.2) rates, and the higher order multiple birth rate for non-Hispanic white women (207.1) is dramatically higher than that of other groups (73.5 for non-Hispanic black and 58.3 for Hispanic women). Indeed, in 1996 most all higher order births were born to non-Hispanic white women; 82 percent of all higher order multiples were born to white non-Hispanic women compared with 60 percent of singletons.

The greater likelihood of white non-Hispanic mothers to seek infertility services (16) likely accounts for much of the disparity in higher order multiple birth rates. In the 1970's, before fertility therapies became widely available, the higher order multiple birth rate among white women was similar to, or lower than that of black women (74). Thus, although rates have risen among both white and black mothers, the increase from 1971 to 1996 is much more pronounced among white women, 513

Table G. Numbers of twin, triplet, quadruplet and quintuplet and other higher order multiple births: United States, 1989-96

Year	Twins	Triplets	Quadruplets	Quintuplets and other higher order multiples
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

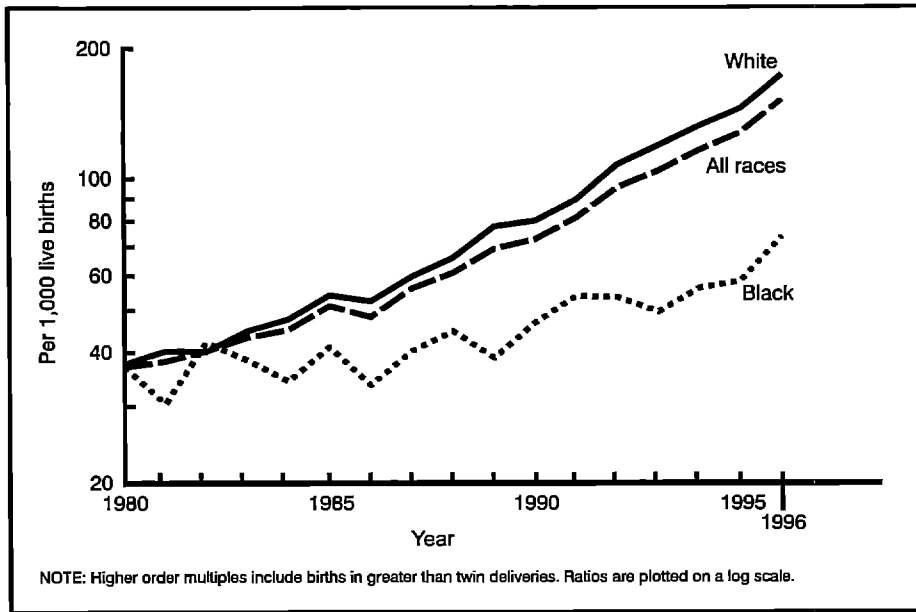


Figure 9. Higher order multiple birth ratios by race of mother, 1980-96

compared with 108 percent, respectively. (Comparable data by Hispanic origin are not available for much of this time period.)

Multiple birth rates increase with maternal age through the thirties, drop slightly for women aged 40-44 years, then rise sharply for the age group 45-49 years. In illustration, for 1996, 1 percent of all births to teenage non-Hispanic white mothers was a multiple compared with 4 percent of births to mothers aged 30-44 years, and 16 percent of births to mothers 45 years of age and over. (See table 50.)

State variation in rates of twins and higher order multiple births are often wide, and cannot be accounted for by State differences in maternal age distributions. For combined years 1992-94, Massachusetts reported both the highest proportion of twins and higher order multiple births with a twinning rate of 27.7 (compared with the U.S. rate of 25.5 per 1,000), and a higher order multiple birth rate of 215.9 (compared with 105.5 for the United States) (74,78).

Multiple births are more likely than singletons to be LBW and/or preterm. (For 1996, 53 percent of twins and 93 percent of triplets were LBW compared with 6 percent of singletons; 53 percent of twins and 92 percent of triplets were preterm compared with 8 percent of singletons.) There is evidence, however, for distinct differences in intrauterine growth patterns among twins, triplets, and singletons, and

even between twins and triplets; that is, that the optimum birthweight and gestational period for twins is lower and shorter than that of singletons, and that for triplets is lower, and shorter still. This difference underscores the importance of the use of plurality-specific growth curves to detect multiple gestations at risk of fetal growth retardation (79).

Both mother and child are at high risk of poor outcome in a multiple gestation. Maternal risks include higher rates of anemia, toxemia, and postpartum hemorrhage (80). Although holding a survival advantage at lower birthweights and shorter gestations (81,82), multiples are more likely than singletons to suffer early mortality. For 1995, multiples comprised less than 3 percent of births, but 16 percent of neonatal deaths (83). Largely as a result of their lower birthweights and shorter gestations, multiple births incur more health care dollars—the average cost at one Boston hospital for each birth in a twin delivery was 2 times and a triplet, 3½ times as high as that for a singleton (84).

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Geographic area:																									
States ¹										10	11	12								19					
United States 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						⁴ 6	⁴ 7	⁴ 8	⁴ 9			⁴ 12		⁴ 14			⁶ 17	⁶ 18	⁶ 19		⁶ 22	⁴ 23		⁴ 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																				³ 20					
Race of mother	² 1	² 2	² 3	² 4	³ 5	⁴ 6	⁴ 7	⁴ 8	⁴ 9		² 11	⁴ 12	⁶ 13	⁴ 14	³ 15	³ 16	⁶ 17	⁶ 18	⁶ 19		³ 21	⁶ 22	⁴ 23	⁵ 24	⁴ 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:																										
States ¹									34							41						46	47			
United States 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:																										
Current year only	26	27	28	29	30	31	32	33	34	35	36	37	38		40	41	42				45	46	47	48	49	50
Trend														39					44							
Type of entry:																										
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:																										
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			⁴ 28	⁴ 30		⁶ 32	⁶ 33	⁶ 34	⁶ 35				⁶ 38	⁶ 39	⁶ 40	⁶ 41		⁶ 43		⁶ 45	⁶ 46	⁶ 47		⁶ 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	³ 26	⁵ 27	⁴ 28	³ 29	⁴ 30	³ 31	⁶ 32	⁶ 33	⁶ 34	⁶ 35	³ 36	³ 37	⁶ 38	⁶ 39	⁶ 40	⁶ 41		⁶ 43	³ 44	⁶ 45	⁶ 46	⁶ 47	³ 48	³ 49	⁶ 50	
Tobacco use				29	30	31	32																			

¹Includes data for Puerto Rico, Virgin Islands, and Guam.
²Includes white, black, American Indian, and Asian or Pacific Islander.
³Includes white and black
⁴Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black.
⁵Includes white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and other Asian or Pacific Islanders.
⁶Includes Hispanic, total white, non-Hispanic white, total black, and non-Hispanic black.

Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940-55 and each year, 1960-96

[Birth rates are live births per 1,000 population in specified group. Fertility rates 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 ¹	White	Black	American Indian ²	Asian or Pacific Islander	All races ¹	White	Black	American Indian ²	Asian or Pacific Islander	All races ¹	White	Black	American Indian ²	Asian or Pacific Islander
Registered births															
Race of mother:															
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 ³	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 ³	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 ³	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 ³	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 ³	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
Race of child:															
1980 ³	3,612,258	2,898,732	589,616	36,797	—	15.9	14.9	22.1	—	—	68.4	64.7	88.1	—	—
1979 ³	3,494,398	2,808,420	577,855	34,269	—	15.6	14.5	22.0	—	—	67.2	63.4	88.3	—	—
1978 ³	3,333,279	2,681,116	551,540	33,160	—	15.0	14.0	21.3	—	—	65.5	61.7	86.7	—	—
1977 ³	3,326,632	2,691,070	544,221	30,500	—	15.1	14.1	21.4	—	—	66.8	63.2	88.1	—	—
1976 ³	3,167,788	2,567,614	514,479	29,009	—	14.6	13.6	20.5	—	—	65.0	61.5	85.8	—	—
1975 ³	3,144,198	2,551,996	511,581	27,546	—	14.6	13.6	20.7	—	—	66.0	62.5	87.9	—	—
1974 ³	3,159,958	2,575,792	507,162	26,631	—	14.8	13.9	20.8	—	—	67.8	64.2	89.7	—	—
1973 ³	3,136,965	2,551,030	512,597	26,464	—	14.8	13.8	21.4	—	—	68.8	64.9	93.6	—	—
1972 ³	3,258,411	2,655,558	531,329	27,368	—	15.6	14.5	22.5	—	—	73.1	68.9	99.9	—	—
1971 ⁴	3,555,970	2,919,746	564,960	27,148	—	17.2	16.1	24.4	—	—	81.6	77.3	109.7	—	—
1970 ⁴	3,731,386	3,091,264	572,362	25,864	—	18.4	17.4	25.3	—	—	87.9	84.1	115.4	—	—
1969 ⁴	3,600,206	2,993,614	543,132	24,008	—	17.9	16.9	24.4	—	—	86.1	82.2	112.1	—	—
1968 ⁴	3,501,564	2,912,224	531,152	24,156	—	17.6	16.6	24.2	—	—	85.2	81.3	112.7	—	—
1967 ⁵	3,520,959	2,922,502	543,976	22,665	—	17.8	16.8	25.1	—	—	87.2	82.8	118.5	—	—
1966 ⁴	3,606,274	2,993,230	558,244	23,014	—	18.4	17.4	26.2	—	—	90.8	86.2	124.7	—	—
1965 ⁴	3,760,350	3,123,860	581,126	24,066	—	19.4	18.3	27.7	—	—	96.3	91.3	133.2	—	—
1964 ⁴	4,027,490	3,369,160	607,556	24,382	—	21.1	20.0	29.5	—	—	104.7	99.8	142.6	—	—
1963 ^{4, 6}	4,098,020	3,326,344	580,658	22,358	—	21.7	20.7	—	—	—	108.3	103.6	—	—	—
1962 ^{4, 6}	4,167,362	3,394,068	584,610	21,968	—	22.4	21.4	—	—	—	112.0	107.5	—	—	—
1961 ⁴	4,268,326	3,600,864	611,072	21,464	—	23.3	22.2	—	—	—	117.1	112.3	—	—	—
1960 ⁴	4,257,850	3,600,744	602,264	21,114	—	23.7	22.7	31.9	—	—	118.0	113.2	153.5	—	—
Births adjusted for underregistration															
Race of child:															
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.

¹ For 1960-91 includes births to races not shown separately.

² Includes births to Aleuts and Eskimos.

³ Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

⁴ Based on a 50-percent sample of births.

⁵ Based on a 20- to 50-percent sample of births.

⁶ Figures by race exclude New Jersey.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 1996

[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	
			Total	15 years	16 years	17 years	18 years							19 years
All races	3,891,494	11,148	491,577	28,540	60,287	96,894	135,059	170,797	945,210	1,071,287	897,913	399,510	71,804	3,045
First child	1,589,512	10,820	381,910	27,040	54,337	81,263	102,714	116,556	442,949	401,788	249,272	87,279	14,866	628
Second child	1,251,760	249	88,895	1,291	5,189	13,554	26,729	42,132	318,896	371,734	324,102	127,960	19,317	607
Third child	624,631	6	15,521	44	356	1,404	4,296	9,421	126,452	185,197	189,625	92,517	14,791	522
Fourth child	240,074	1	2,190	-	27	127	521	1,515	38,067	68,228	76,327	46,016	8,888	357
Fifth child	89,795	-	259	1	6	15	41	196	10,402	23,939	29,314	20,582	5,046	253
Sixth child	37,340	-	37	-	-	2	5	30	2,621	8,893	12,627	10,066	2,970	126
Seventh child	17,274	-	11	-	1	1	3	6	632	3,455	5,860	5,346	1,841	129
Eighth child and over	17,966	-	9	-	-	-	1	8	247	1,975	5,077	6,802	3,467	389
Not stated	23,142	72	2,745	164	371	528	749	933	4,944	6,078	5,709	2,942	618	34
White	3,093,057	5,526	344,685	16,978	39,401	66,997	96,246	125,063	726,669	878,449	747,436	329,782	58,062	2,448
First child	1,271,157	5,377	275,543	16,251	36,207	57,856	76,050	89,179	355,805	338,428	209,516	73,393	12,564	531
Second child	1,014,793	111	57,940	613	2,760	8,079	17,244	29,244	249,076	311,204	273,609	106,553	15,798	502
Third child	496,684	3	8,317	16	182	645	2,209	5,265	89,241	149,753	160,011	77,094	11,815	450
Fourth child	182,191	-	929	-	6	54	213	656	22,623	51,155	62,312	37,806	7,079	287
Fifth child	63,327	-	95	-	2	5	20	68	4,962	15,763	22,143	16,232	3,946	136
Sixth child	24,967	-	13	-	-	1	1	11	1,028	5,083	8,787	7,663	2,311	92
Seventh child	11,065	-	5	-	-	-	2	3	228	1,653	3,718	3,944	1,415	102
Eighth child and over	11,341	-	3	-	-	-	1	2	100	756	2,806	4,750	2,646	280
Not stated	17,532	35	1,840	98	244	357	506	635	3,606	4,654	4,534	2,347	488	28
Black	594,781	5,193	130,596	10,498	18,753	26,775	34,394	40,176	179,361	133,204	94,295	43,716	8,124	292
First child	230,370	5,037	93,631	9,800	16,225	20,796	23,270	23,540	66,830	35,718	20,391	7,535	1,184	44
Second child	171,424	117	28,159	609	2,238	5,053	8,677	11,582	58,271	42,034	29,060	11,890	1,830	63
Third child	100,149	2	6,633	24	154	696	1,921	3,838	32,607	28,014	21,028	10,055	1,778	32
Fourth child	47,035	1	1,138	-	16	63	272	787	13,751	14,035	10,821	6,039	1,203	47
Fifth child	21,555	-	153	1	4	8	19	121	4,833	6,720	5,687	3,358	762	42
Sixth child	9,981	-	20	-	-	-	3	17	1,408	3,138	3,045	1,882	463	25
Seventh child	4,843	-	4	-	1	1	-	2	359	1,456	1,667	1,060	291	6
Eighth child and over	4,864	-	6	-	-	-	-	6	133	974	1,748	1,458	516	29
Not stated	4,560	36	852	64	115	158	232	283	1,169	1,115	848	439	97	4
American Indian ¹	37,880	202	7,731	524	1,072	1,492	2,115	2,528	12,142	8,844	5,816	2,606	524	15
First child	13,654	194	6,010	500	976	1,271	1,599	1,664	4,469	1,787	856	285	51	2
Second child	10,131	7	1,411	21	84	196	430	680	4,298	2,502	1,320	510	81	2
Third child	6,526	-	253	1	6	17	76	153	2,187	2,101	1,353	530	100	2
Fourth child	3,677	-	35	-	-	1	8	26	828	1,272	976	475	86	5
Fifth child	1,916	-	2	-	-	-	1	1	238	689	627	296	64	-
Sixth child	950	-	1	-	-	1	-	-	65	282	353	197	51	1
Seventh child	459	-	-	-	-	-	-	-	12	108	178	126	33	2
Eighth child and over	429	-	-	-	-	-	-	-	2	63	135	171	57	1
Not stated	138	1	19	2	6	6	1	4	43	40	18	16	1	-
Asian or Pacific Islander	165,776	227	8,565	540	1,061	1,630	2,304	3,030	27,038	50,790	50,366	23,406	5,094	290
First child	74,331	212	6,726	489	929	1,340	1,795	2,173	15,845	25,855	18,509	6,066	1,067	51
Second child	55,412	14	1,365	48	107	226	378	626	7,251	15,994	20,113	9,007	1,608	40
Third child	21,272	1	318	3	14	46	90	165	2,417	5,329	7,233	4,838	1,098	38
Fourth child	7,171	-	88	-	5	9	28	46	865	1,766	2,218	1,696	520	18
Fifth child	2,997	-	9	-	-	2	1	6	369	767	857	696	274	25
Sixth child	1,442	-	3	-	-	-	1	2	120	390	442	324	145	18
Seventh child	907	-	2	-	-	-	1	1	33	238	297	216	102	19
Eighth child and over	1,332	-	-	-	-	-	-	-	12	182	388	423	248	79
Not stated	912	-	34	-	6	7	10	11	126	269	309	140	32	2

- Quantity zero.
¹ Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 1996

[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 ¹	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
			Total	15-17 years	18-19 years						
All races	65.3	1.2	54.4	33.8	86.0	110.4	113.1	83.9	35.3	6.8	0.3
First child	26.8	1.2	42.5	29.8	62.0	52.0	42.7	23.4	7.8	1.4	0.1
Second child	21.1	0.0	9.9	3.7	19.5	37.4	39.5	30.5	11.4	1.9	0.1
Third child	10.5	*	1.7	0.3	3.9	14.8	19.7	17.8	8.2	1.4	0.1
Fourth child	4.1	*	0.2	0.0	0.6	4.5	7.2	7.2	4.1	0.9	0.0
Fifth child	1.5	*	0.0	0.0	0.1	1.2	2.5	2.8	1.8	0.5	0.0
Sixth and seventh child	0.9	*	0.0	*	0.0	0.4	1.3	1.7	1.4	0.5	0.0
Eighth child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.6	0.3	0.0
White	64.3	0.8	48.1	28.4	78.4	107.2	116.1	86.3	35.6	6.7	0.3
First child	26.6	0.7	38.7	25.6	58.8	52.8	45.0	24.3	8.0	1.5	0.1
Second child	21.2	0.0	8.1	2.7	16.6	36.9	41.4	31.8	11.6	1.8	0.1
Third child	10.4	*	1.2	0.2	2.7	13.2	19.9	18.6	8.4	1.4	0.1
Fourth child	3.8	*	0.1	0.0	0.3	3.4	6.8	7.2	4.1	0.8	0.0
Fifth child	1.3	*	0.0	*	0.0	0.7	2.1	2.6	1.8	0.5	0.0
Sixth and seventh child	0.8	*	*	*	*	0.2	0.9	1.5	1.3	0.4	0.0
Eighth child and over	0.2	*	*	*	*	0.0	0.1	0.3	0.5	0.3	0.0
Black	70.7	3.6	91.4	64.7	132.5	136.8	98.2	63.3	29.1	6.1	0.3
First child	27.6	3.5	65.9	54.4	83.7	51.3	26.5	13.8	5.1	0.9	0.0
Second child	20.5	0.1	19.8	9.2	36.2	44.7	31.2	19.7	8.0	1.4	0.1
Third child	12.0	*	4.7	1.0	10.3	25.0	20.8	14.2	6.8	1.4	0.0
Fourth child	5.6	*	0.8	0.1	1.9	10.6	10.4	7.3	4.1	0.9	0.0
Fifth child	2.6	*	0.1	*	0.3	3.7	5.0	3.9	2.3	0.6	0.0
Sixth and seventh child	1.8	*	0.0	*	0.0	1.4	3.4	3.2	2.0	0.6	0.0
Eighth child and over	0.6	*	*	*	*	0.1	0.7	1.2	1.0	0.4	0.0
American Indian ²	68.7	1.7	73.9	46.4	122.3	133.9	98.5	63.2	28.5	6.3	*
First child	24.9	1.7	57.6	41.4	86.1	49.5	20.0	9.3	3.1	0.6	*
Second child	18.4	*	13.5	4.5	29.3	47.6	28.0	14.4	5.6	1.0	*
Third child	11.9	*	2.4	0.4	6.0	24.2	23.5	14.7	5.8	1.2	*
Fourth child	6.7	*	0.3	*	0.9	9.2	14.2	10.6	5.2	1.0	*
Fifth child	3.5	*	*	*	*	2.6	7.7	6.8	3.3	0.8	*
Sixth and seventh child	2.6	*	*	*	*	0.8	4.4	5.8	3.6	1.0	*
Eighth child and over	0.8	*	*	*	*	0.7	1.5	1.9	1.9	0.7	*
Asian or Pacific Islander	65.9	0.6	24.6	14.9	40.4	70.7	111.2	109.2	52.2	12.2	0.8
First child	29.7	0.6	19.4	12.8	30.2	41.6	56.9	40.4	13.6	2.6	0.1
Second child	22.1	*	4.0	1.8	7.6	19.1	35.2	43.9	20.2	3.9	0.1
Third child	8.5	*	0.9	0.3	1.9	6.3	11.7	15.8	10.8	2.6	0.1
Fourth child	2.9	*	0.3	*	0.6	2.3	3.9	4.8	3.8	1.2	*
Fifth child	1.2	*	*	*	*	1.0	1.7	1.9	1.6	0.7	0.1
Sixth and seventh child	0.9	*	*	*	*	0.4	1.4	1.6	1.2	0.6	0.1
Eighth child and over	0.5	*	*	*	*	*	0.4	0.8	0.9	0.6	0.2

* Figure does not meet standards of reliability or precision.

0.0 Quantity more than zero but less than 0.05.

¹ Rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.

² Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-96, and by age and race of mother: United States, 1980-96

[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, 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
			Total	15-17 years	18-19 years						
All races¹											
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 ²	1,806.5	1.2	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2
1983 ²	1,799.0	1.1	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 ²	1,827.5	1.1	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 ²	1,812.0	1.1	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2
1980 ²	1,839.5	1.1	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2
1979 ²	1,808.0	1.2	52.3	32.3	81.3	112.8	111.4	60.3	19.5	3.9	0.2
1978 ²	1,760.0	1.2	51.5	32.2	79.8	109.9	108.5	57.8	19.0	3.9	0.2
1977 ²	1,789.5	1.2	52.8	33.9	80.9	112.9	111.0	56.4	19.2	4.2	0.2
1976 ²	1,738.0	1.2	52.8	34.1	80.5	110.3	106.2	53.6	19.0	4.3	0.2
1975 ²	1,774.0	1.3	55.6	36.1	85.0	113.0	108.2	52.3	19.5	4.6	0.3
1974 ²	1,835.0	1.2	57.5	37.3	88.7	117.7	111.5	53.8	20.2	4.8	0.3
1973 ²	1,879.0	1.2	59.3	38.5	91.2	119.7	112.2	55.6	22.1	5.4	0.3
1972 ²	2,010.0	1.2	61.7	39.0	96.9	130.2	117.7	59.8	24.8	6.2	0.4
1971 ³	2,266.5	1.1	64.5	38.2	105.3	150.1	134.1	67.3	28.7	7.1	0.4
1970 ³	2,480.0	1.2	68.3	38.8	114.7	167.8	145.1	73.3	31.7	8.1	0.5
White											
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 ²	1,748.5	0.6	42.9	24.3	68.4	102.7	109.8	67.7	22.2	3.6	0.2
1983 ²	1,740.5	0.6	43.9	25.0	68.8	103.8	109.4	65.3	21.3	3.6	0.2
1982 ²	1,767.0	0.6	45.0	25.5	70.8	107.7	111.9	64.0	20.4	3.6	0.2
1981 ²	1,748.0	0.5	44.9	25.4	71.5	108.3	112.3	61.0	19.0	3.4	0.2
1980 ²	1,773.0	0.6	45.4	25.5	73.2	111.1	113.8	61.2	18.8	3.5	0.2
Black											
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	2,109.0	4.5	95.4	69.3	132.4	135.0	100.2	57.9	23.9	4.6	0.3
1984 ²	2,070.5	4.4	94.1	69.2	128.1	132.2	98.4	56.7	23.3	4.8	0.2
1983 ²	2,066.0	4.1	93.9	69.6	127.1	131.9	98.4	56.2	23.3	5.1	0.3
1982 ²	2,106.5	4.0	94.3	69.7	128.9	135.4	101.3	57.5	23.3	5.1	0.4
1981 ²	2,117.5	4.0	94.5	69.3	131.0	136.5	102.3	57.4	23.1	5.4	0.3
1980 ²	2,176.5	4.3	97.8	72.5	135.1	140.0	103.9	59.9	23.5	5.6	0.3

See footnotes at end of table.

Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-96, and by age and race of mother: United States, 1980-96—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, 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
			Total	15-17 years	18-19 years						
American Indian⁴											
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 ²	2,136.0	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 ²	2,180.5	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 ²	2,213.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 ²	2,090.0	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 ²	2,162.5	1.9	82.2	51.5	129.5	143.7	106.6	61.8	28.1	8.2	*
Asian or Pacific Islander											
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 ²	1,892.0	0.5	24.2	12.6	40.7	86.7	124.3	92.4	40.6	8.7	1.0
1983 ²	1,943.5	0.5	26.1	12.9	44.5	94.0	126.2	93.3	39.4	8.2	1.0
1982 ²	2,015.5	0.4	29.4	14.0	50.8	98.9	130.9	94.4	39.2	8.8	1.1
1981 ²	1,976.0	0.3	28.5	13.4	49.5	96.4	129.1	93.4	38.0	8.6	0.9
1980 ²	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.

¹ For 1970-91 includes births to races not shown separately.

² Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

³ Based on a 50-percent sample of births.

⁴ Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980-96

[Rates are live births per 1,000 women aged 15-44 years, 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
All races¹								
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 ²	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 ²	65.7	27.8	21.5	10.1	3.7	1.4	0.9	0.3
1982 ²	67.3	28.6	22.0	10.2	3.8	1.4	0.9	0.3
1981 ²	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 ²	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
White								
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 ²	63.2	26.8	21.4	9.6	3.3	1.2	0.7	0.2
1983 ²	63.4	27.2	21.2	9.5	3.3	1.2	0.7	0.2
1982 ²	64.8	28.0	21.6	9.6	3.4	1.2	0.7	0.3
1981 ²	64.8	28.4	21.1	9.5	3.4	1.2	0.8	0.3
1980 ²	65.6	28.8	21.3	9.6	3.4	1.3	0.8	0.3
Black								
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 ²	78.1	30.9	23.0	13.2	6.0	2.6	1.7	0.6
1983 ²	78.7	31.1	23.1	13.2	6.1	2.7	1.8	0.6
1982 ²	80.9	31.7	23.9	13.8	6.3	2.7	1.8	0.7
1981 ²	82.0	32.3	24.2	13.7	6.3	2.8	1.9	0.8
1980 ²	84.9	33.7	24.7	14.0	6.5	2.9	2.1	0.9

¹ Includes races other than white and black.

² 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 the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1989-96

Measure and year	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
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	679,766	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 ³	4,049,024	643,271	432,047	59,569	11,472	89,031	51,152	3,365,862	2,527,207	657,450
1991 ³	4,094,566	623,085	411,233	59,833	11,058	86,908	54,053	3,434,464	2,589,878	666,758
1990 ⁴	4,092,994	595,073	385,640	58,807	11,311	83,008	56,307	3,457,417	2,626,500	661,701
1989 ⁵	3,903,012	532,249	327,233	56,229	10,842	72,443	65,502	3,297,493	2,526,367	611,269
Birth rate ⁶										
1996	14.7	24.8	27.4	17.9	10.7	⁷ 23.4		13.5	12.4	18.3
1995	14.8	25.2	26.9	19.7	11.0	⁷ 25.3		13.7	12.6	18.8
1994	15.2	25.5	27.0	21.4	10.8	⁷ 25.7		14.0	12.8	20.0
1993	15.5	26.0	27.4	21.9	10.5	⁷ 26.9		14.4	13.1	21.1
1992 ³	15.9	26.5	27.8	23.2	10.1	⁷ 27.9		14.8	13.5	21.9
1991 ⁸	16.3	26.7	29.2	21.0	10.1	⁷ 26.5		15.2	13.9	22.5
1990 ⁴	16.7	26.7	28.7	21.6	10.9	⁷ 27.5		15.7	14.4	23.0
1989 ⁵	16.3	26.2	25.7	23.7	10.0	⁷ 28.3		15.4	14.2	22.8
Fertility rate ⁹										
1996	65.3	104.9	119.3	71.3	58.9	⁷ 90.2		60.3	57.3	72.5
1995	65.6	105.0	117.0	75.7	55.1	⁷ 94.5		60.8	57.6	74.5
1994	66.7	105.6	115.4	81.9	55.9	⁷ 97.7		62.0	58.3	79.0
1993	67.6	106.9	114.8	82.5	55.5	⁷ 105.0		63.1	59.0	82.7
1992 ³	68.9	108.6	116.0	89.9	50.3	⁷ 107.0		64.4	60.2	85.5
1991 ⁸	69.6	108.1	121.6	80.9	49.1	⁷ 99.3		65.4	61.0	87.6
1990 ⁴	71.0	107.7	118.9	82.9	52.6	⁷ 102.7		67.1	62.8	89.0
1989 ⁵	69.2	104.9	106.6	86.6	49.8	⁷ 95.8		65.7	60.5	84.8

¹ Includes origin not stated.
² Includes races other than white and black.
³ Excludes data for New Hampshire, which did not report Hispanic origin.
⁴ Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.
⁵ Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.
⁶ Live births per 1,000 population in specified group.
⁷ Includes Central and South American and other and unknown Hispanic.
⁸ 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.
⁹ Live births per 1,000 women aged 15-44 years in specified group.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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, 1996

[Live-birth order refers to number of children born alive to mother]

Live-birth order and origin of mother ¹	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	
			Total	15 years	16 years	17 years	18 years							19 years
Hispanic														
Total	701,339	3,056	118,878	7,971	16,139	24,234	31,711	38,823	214,173	185,478	119,690	49,812	9,819	433
First child	265,986	2,961	89,249	7,475	14,272	19,565	22,896	25,041	93,352	49,769	22,387	6,977	1,244	47
Second child	209,983	74	23,932	420	1,601	4,045	7,220	10,646	75,151	62,973	34,555	11,490	1,746	62
Third child	124,529	2	4,109	11	128	391	1,179	2,400	31,609	43,255	31,308	12,173	2,012	61
Fourth child	55,839	-	547	-	3	33	140	371	9,388	18,329	17,277	8,686	1,545	67
Fifth child	22,618	-	57	-	2	3	10	42	2,389	6,445	7,676	4,828	1,172	51
Sixth child	9,495	-	4	-	-	-	1	3	584	2,287	3,253	2,537	808	22
Seventh child	4,196	-	2	-	-	-	1	1	115	813	1,400	1,369	460	37
Eighth child and over ..	3,815	-	1	-	-	-	-	1	47	375	1,091	1,442	777	82
Not stated	4,878	19	977	65	133	197	264	318	1,538	1,232	743	310	55	4
Mexican	489,666	2,241	86,524	5,815	11,820	17,624	22,982	28,283	157,857	129,621	76,400	30,600	6,151	272
First child	181,056	2,179	64,674	5,445	10,438	14,220	16,481	18,090	67,124	31,392	11,647	3,392	626	22
Second child	144,241	50	17,746	313	1,189	2,982	5,349	7,913	56,525	43,484	19,843	5,719	852	22
Third child	88,857	1	3,017	9	100	270	854	1,784	23,874	32,246	21,118	7,447	1,124	30
Fourth child	41,534	-	378	-	3	26	103	246	6,991	14,123	12,955	6,039	1,000	48
Fifth child	17,217	-	39	-	2	3	7	27	1,737	4,965	5,957	3,631	854	34
Sixth child	7,331	-	3	-	-	-	1	2	431	1,764	2,522	1,962	636	13
Seventh child	3,250	-	-	-	-	-	-	-	76	577	1,118	1,071	379	29
Eighth child and over ..	3,015	-	-	-	-	-	-	-	32	272	822	1,166	652	71
Not stated	3,165	11	667	48	88	123	187	221	1,067	798	418	173	28	3
Puerto Rican	54,863	337	12,363	916	1,724	2,603	3,334	3,786	16,592	13,075	8,392	3,468	617	19
First child	21,887	323	8,940	861	1,498	2,024	2,313	2,244	6,443	3,633	1,873	571	99	5
Second child	16,507	8	2,605	43	183	468	794	1,117	5,583	4,360	2,790	1,002	154	5
Third child	9,032	-	519	-	11	57	158	293	2,823	2,756	1,906	867	158	3
Fourth child	3,868	-	93	-	-	6	18	69	1,064	1,267	902	461	80	1
Fifth child	1,570	-	16	-	-	-	3	13	318	514	408	255	56	3
Sixth child	648	-	1	-	-	-	-	1	86	214	203	116	28	-
Seventh child	305	-	-	-	-	-	-	-	22	105	86	77	14	1
Eighth child and over ..	277	-	1	-	-	-	-	1	5	60	113	78	19	1
Not stated	769	6	188	12	32	48	48	48	248	166	111	41	9	-
Cuban	12,613	22	941	51	114	160	268	348	2,476	3,512	3,888	1,545	220	9
First child	5,559	22	767	49	109	133	211	265	1,489	1,619	1,254	355	53	-
Second child	4,454	-	153	2	5	24	50	72	729	1,318	1,586	591	72	5
Third child	1,856	-	18	-	-	3	5	10	199	437	769	376	54	3
Fourth child	476	-	1	-	-	-	-	1	34	97	170	149	24	1
Fifth child	123	-	-	-	-	-	-	-	11	20	44	39	9	-
Sixth child	50	-	-	-	-	-	-	-	-	6	26	14	4	-
Seventh child	27	-	-	-	-	-	-	-	-	4	13	9	1	-
Eighth child and over ..	23	-	-	-	-	-	-	-	-	3	13	6	1	-
Not stated	45	-	2	-	-	-	2	-	14	8	13	6	2	-
Central and South American	97,888	206	10,110	553	1,254	1,904	2,760	3,639	23,943	27,881	22,802	10,661	2,179	106
First child	38,437	198	8,068	522	1,137	1,604	2,164	2,641	12,597	9,660	5,573	1,971	356	14
Second child	30,607	5	1,703	30	102	265	501	805	7,607	9,944	7,677	3,138	512	21
Third child	17,199	1	259	-	9	25	74	151	2,749	5,405	5,592	2,642	530	21
Fourth child	6,788	-	26	-	-	-	8	18	666	1,835	2,365	1,539	343	14
Fifth child	2,545	-	-	-	-	-	-	-	158	587	901	690	196	13
Sixth child	1,000	-	-	-	-	-	-	-	33	186	345	320	107	9
Seventh child	396	-	-	-	-	-	-	-	7	61	124	153	45	6
Eighth child and over ..	330	-	-	-	-	-	-	-	6	18	79	143	77	7
Not stated	586	2	54	1	6	10	13	24	120	185	146	65	13	1
Other and unknown Hispanic	46,309	250	8,940	636	1,227	1,943	2,367	2,767	13,305	11,389	8,208	3,538	652	27
First child	19,047	239	6,800	598	1,090	1,584	1,727	1,801	5,699	3,465	2,040	688	110	6
Second child	14,174	11	1,725	32	122	306	526	739	4,707	3,867	2,659	1,040	156	9
Third child	7,585	-	296	2	8	36	88	162	1,964	2,411	1,923	841	146	4
Fourth child	3,173	-	49	-	-	1	11	37	633	1,007	885	498	98	3
Fifth child	1,163	-	2	-	-	-	-	2	165	359	366	213	57	1
Sixth child	466	-	-	-	-	-	-	-	34	117	157	125	33	-
Seventh child	218	-	2	-	-	-	1	1	10	66	59	59	21	1
Eighth child and over ..	170	-	-	-	-	-	-	-	4	22	64	49	28	3
Not stated	313	-	66	4	7	16	14	25	89	75	55	25	3	-

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, 1996 –Con.

[Live-birth order refers to number of children born alive to mother]

Live-birth order and origin of mother ¹	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	
			Total	15 years	16 years	17 years	18 years							19 years
Non-Hispanic														
Total ²	3,133,484	8,007	367,800	20,332	43,614	71,687	101,963	130,204	720,228	870,250	762,064	342,061	60,540	2,534
First child	1,301,780	7,786	288,905	19,355	39,599	60,883	78,761	90,307	344,628	345,825	222,199	78,562	13,314	561
Second child	1,024,248	173	64,259	865	3,559	9,425	19,288	31,122	240,344	303,821	283,857	114,052	17,214	528
Third child	491,760	4	11,290	32	226	999	3,085	6,948	93,575	139,776	155,402	78,752	12,510	451
Fourth child	181,194	1	1,624	-	24	92	376	1,132	28,306	49,072	58,037	36,651	7,218	285
Fifth child	66,019	-	199	1	4	12	31	151	7,910	17,171	21,235	15,491	3,814	199
Sixth child	27,331	-	32	-	-	2	4	26	2,020	6,455	9,194	7,395	2,132	103
Seventh child	12,790	-	9	-	1	1	2	5	513	2,598	4,360	3,875	1,345	90
Eighth child and over ..	13,719	-	8	-	-	-	1	7	198	1,576	3,871	5,176	2,591	299
Not stated	14,643	43	1,474	79	201	273	415	506	2,734	3,956	3,909	2,107	402	18
White	2,358,989	2,532	225,197	9,071	23,312	42,686	64,290	85,838	508,056	683,376	616,224	274,431	47,215	1,958
First child	992,907	2,479	185,808	8,844	22,000	38,220	52,931	63,813	260,283	284,304	183,442	65,035	11,088	468
Second child	794,021	41	34,018	199	1,165	4,059	10,028	18,567	172,565	245,168	234,789	93,219	13,792	429
Third child	367,592	1	4,230	4	55	253	1,045	2,873	57,247	105,460	126,841	63,806	9,625	382
Fourth child	124,926	-	382	-	3	21	72	286	13,146	32,494	44,498	28,724	5,463	219
Fifth child	40,282	-	36	-	-	2	10	24	2,566	9,218	14,312	11,280	2,737	133
Sixth child	15,243	-	8	-	-	1	-	7	450	2,723	5,451	5,064	1,488	59
Seventh child	6,727	-	3	-	-	-	1	2	115	831	2,261	2,521	933	63
Eighth child and over ..	7,212	-	2	-	-	-	1	1	51	378	1,647	3,158	1,786	190
Not stated	10,079	11	710	24	89	130	202	265	1,633	2,800	2,983	1,624	303	15
Black	578,099	5,084	127,616	10,301	18,367	26,134	33,616	39,198	174,958	129,002	91,050	42,279	7,835	275
First child	223,941	4,937	91,388	9,621	15,872	20,271	22,714	22,910	64,915	34,460	19,760	7,300	1,140	41
Second child	166,731	113	27,664	601	2,216	4,974	8,518	11,355	56,838	40,706	28,075	11,513	1,764	58
Third child	97,467	2	6,527	24	152	684	1,886	3,781	32,022	27,209	20,245	9,721	1,711	30
Fourth child	45,881	1	1,124	-	16	63	270	775	13,550	13,695	10,470	5,831	1,167	43
Fifth child	21,040	-	153	1	4	8	19	121	4,767	6,559	5,509	3,265	746	41
Sixth child	9,779	-	20	-	-	-	3	17	1,392	3,083	2,977	1,830	452	25
Seventh child	4,737	-	4	-	1	1	-	2	357	1,430	1,632	1,025	283	6
Eighth child and over ..	4,774	-	6	-	-	-	-	6	133	958	1,712	1,434	502	29
Not stated	3,749	31	730	54	106	133	206	231	984	902	670	360	70	2

- Quantity zero.

¹ Includes only births with stated origin of mother.

² Includes races other than white and black.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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, 1996

[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 ¹	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
			Total	15-17 years	18-19 years						
Hispanic											
Total	104.9	2.6	101.8	69.0	151.1	189.5	161.0	98.1	45.1	10.8	0.6
First child	40.1	2.5	77.1	59.4	103.5	89.2	43.5	18.5	6.4	1.4	0.1
Second child	31.6	0.1	20.7	8.7	38.6	67.0	55.0	28.5	10.5	1.9	0.1
Third child	18.8	*	3.5	0.8	7.7	28.2	37.8	25.8	11.1	2.2	0.1
Fourth child	8.4	*	0.5	0.1	1.1	8.4	16.0	14.2	7.9	1.7	0.1
Fifth child	3.4	*	0.0	*	0.1	2.1	5.6	6.3	4.4	1.3	0.1
Sixth and seventh child	2.1	*	*	*	*	0.6	2.7	3.8	3.6	1.4	0.1
Eighth child and over	0.6	*	*	*	*	0.0	0.3	0.9	1.3	0.9	0.1
Mexican	119.3	2.8	120.7	83.4	174.3	206.3	176.9	103.7	47.6	12.0	0.7
First child	44.4	2.7	90.9	71.7	118.5	88.3	43.1	15.9	5.3	1.2	0.1
Second child	35.4	0.1	25.0	10.7	45.5	74.4	59.7	27.1	9.0	1.7	0.1
Third child	21.8	*	4.2	0.9	9.0	31.4	44.3	28.8	11.7	2.2	0.1
Fourth child	10.2	*	0.5	0.1	1.2	9.2	19.4	17.7	9.4	2.0	0.1
Fifth child	4.2	*	0.1	*	0.1	2.3	6.8	8.1	5.7	1.7	0.1
Sixth and seventh child	2.6	*	*	*	*	0.7	3.2	5.0	4.7	2.0	0.1
Eighth child and over	0.7	*	*	*	*	0.0	0.4	1.1	1.8	1.3	0.2
Puerto Rican	71.3	2.1	82.3	52.2	143.2	148.8	109.4	58.3	25.9	5.6	*
First child	28.8	2.0	60.4	44.4	92.9	58.7	30.8	13.2	4.3	0.9	*
Second child	21.8	*	17.6	7.0	38.9	50.8	36.9	19.6	7.6	1.4	*
Third child	11.9	*	3.5	0.7	9.2	25.7	23.3	13.4	6.5	1.5	*
Fourth child	5.1	*	0.6	*	1.8	9.7	10.7	6.4	3.5	0.7	*
Fifth child	2.1	*	*	*	*	2.9	4.4	2.9	1.9	0.5	*
Sixth and seventh child	1.3	*	*	*	*	1.0	2.7	2.0	1.5	0.4	*
Eighth child and over	0.4	*	*	*	*	*	0.5	0.8	0.6	*	*
Cuban	58.9	0.9	34.0	19.8	54.5	82.5	110.7	85.9	34.3	6.4	*
First child	26.0	0.9	27.8	17.8	42.3	49.9	51.2	27.8	7.9	1.5	*
Second child	20.9	*	5.5	1.9	10.8	24.4	41.6	35.2	13.2	2.1	*
Third child	8.7	*	*	*	*	6.7	13.8	17.1	8.4	1.6	*
Fourth child	2.2	*	*	*	*	1.1	3.1	3.8	3.3	0.7	*
Fifth child	0.6	*	*	*	*	*	0.6	1.0	0.9	*	*
Sixth and seventh child	0.4	*	*	*	*	*	*	0.9	0.5	*	*
Eighth child and over	0.1	*	*	*	*	*	*	*	*	*	*
Other Hispanic²	90.2	2.4	69.8	46.6	103.1	166.5	146.3	105.3	50.4	11.0	0.7
First child	36.2	2.3	54.8	40.8	75.0	82.2	49.2	26.0	9.5	1.8	0.1
Second child	28.2	*	12.6	5.3	23.1	55.3	51.8	35.3	14.9	2.6	0.2
Third child	15.6	*	2.0	0.5	4.3	21.2	29.3	25.7	12.4	2.6	0.1
Fourth child	6.3	*	0.3	*	0.7	5.8	10.7	11.1	7.3	1.7	*
Fifth child	2.3	*	*	*	*	1.5	3.5	4.3	3.2	1.0	*
Sixth and seventh child	1.3	*	*	*	*	0.4	1.6	2.3	2.3	0.8	*
Eighth child and over	0.3	*	*	*	*	*	0.1	0.5	0.7	0.4	*

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, 1996—Con.

[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	Age of mother										
	15-44 years ¹	10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
Non-Hispanic³											
Total ⁴	60.3	1.0	47.3	28.7	76.2	98.4	106.5	82.0	34.2	6.5	0.3
First child	25.2	1.0	37.3	25.5	55.7	47.3	42.6	24.1	7.9	1.4	0.1
Second child	19.8	0.0	8.3	2.9	16.6	33.0	37.3	30.7	11.5	1.8	0.1
Third child	9.5	*	1.5	0.3	3.3	12.8	17.2	16.8	7.9	1.3	0.1
Fourth child	3.5	*	0.2	0.0	0.5	3.9	6.0	6.3	3.7	0.8	0.0
Fifth child	1.3	*	0.0	*	0.1	1.1	2.1	2.3	1.6	0.4	0.0
Sixth and seventh child	0.8	*	0.0	*	0.0	0.3	1.1	1.5	1.1	0.4	0.0
Eighth child and over	0.3	*	*	*	*	0.0	0.2	0.4	0.5	0.3	0.0
White	57.3	0.4	37.6	20.6	63.7	90.1	107.0	83.5	34.0	6.2	0.3
First child	24.2	0.4	31.1	19.1	49.7	46.3	44.7	25.0	8.1	1.5	0.1
Second child	19.4	0.0	5.7	1.5	12.2	30.7	36.5	32.0	11.6	1.8	0.1
Third child	9.0	*	0.7	0.1	1.7	10.2	16.6	17.2	8.0	1.3	0.1
Fourth child	3.1	*	0.1	0.0	0.2	2.3	5.1	6.0	3.6	0.7	0.0
Fifth child	1.0	*	0.0	*	0.0	0.5	1.5	2.0	1.4	0.4	0.0
Sixth and seventh child	0.5	*	*	*	*	0.1	0.6	1.1	0.9	0.3	0.0
Eighth child and over	0.2	*	*	*	*	0.0	0.1	0.2	0.4	0.2	0.0
Black	72.5	3.8	94.2	66.6	136.6	140.9	100.8	64.9	29.7	6.2	0.3
First child	28.3	3.7	67.8	56.0	86.1	52.6	27.1	14.2	5.2	0.9	0.0
Second child	21.1	0.1	20.5	9.5	37.5	46.0	32.0	20.2	8.2	1.4	0.1
Third child	12.3	*	4.8	1.1	10.7	25.9	21.4	14.5	6.9	1.4	0.0
Fourth child	5.8	*	0.8	0.1	2.0	11.0	10.8	7.5	4.1	0.9	0.0
Fifth child	2.7	*	0.1	*	0.3	3.9	5.2	4.0	2.3	0.6	0.0
Sixth and seventh child	1.8	*	0.0	*	0.0	1.4	3.5	3.3	2.0	0.6	0.0
Eighth child and over	0.6	*	*	*	*	0.1	0.8	1.2	1.0	0.4	0.0

* Figure does not meet standards of reliability or precision.
 0.0 Quantity more than zero but less than 0.05.
 1 Rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.
 2 Includes Central and South American and other and unknown Hispanic.
 3 Includes origin not stated.
 4 Includes races other than white and black.

NOTE: Persons of Hispanic origin may be of any race - Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. See Technical notes.

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, 1989-96

[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, enumerated as of April 1 for 1990, and estimated as of July 1 for all other years]

Year and origin/race of mother	Total fertility rate	Fertility rate ¹	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
				Total	15-17 years	18-19 years						
All origins												
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	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	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 ³	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 ⁴	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
Hispanic												
Total												
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 ²	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 ²	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 ³	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 ⁴	2,903.5	104.9	2.3	100.8	—	—	184.4	146.6	92.1	43.5	10.4	0.6
Mexican												
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 ²	3,196.5	116.0	2.5	108.8	—	—	202.3	166.3	99.1	47.7	11.8	0.8
1991 ²	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 ³	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 ⁴	2,916.5	106.6	2.0	94.5	—	—	184.3	153.7	96.1	41.0	11.1	0.6
Puerto Rican												
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 ²	2,644.5	89.9	3.5	110.4	—	—	204.9	106.6	66.7	30.0	6.5	0.3
1991 ²	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 ³	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 ⁴	2,421.0	86.6	3.8	112.7	—	—	171.0	98.0	65.2	26.9	6.3	0.3
Cuban												
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 ²	1,485.5	50.3	1.0	26.3	—	—	51.6	98.4	86.2	28.9	4.7	0.0
1991 ²	1,385.5	49.1	*	27.7	17.5	41.3	61.2	88.8	68.2	26.7	4.0	*
1990 ³	1,459.5	52.6	*	30.3	18.2	46.1	64.6	95.4	67.6	28.2	4.9	*
1989 ⁴	1,479.0	49.8	0.5	25.1	—	—	64.2	101.8	73.7	27.2	3.0	0.3
Other Hispanic⁵												
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 ²	3,076.0	107.0	2.5	112.1	—	—	172.9	157.8	106.6	50.3	12.5	0.5
1991 ²	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 ³	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 ⁴	2,683.0	95.8	1.7	66.4	—	—	159.2	150.4	85.1	60.3	12.7	0.8

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, 1989-96 -Con.

Year and race	Total fertility rate	Fertility rate ¹	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	
				Total	15-17 years							18-19 years
Non-Hispanic⁶												
Total⁷												
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 ²	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 ²	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 ³	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 ⁴	1,921.0	65.7	1.3	53.4	—	—	107.8	113.4	74.7	28.6	4.8	0.2
White												
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 ²	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 ²	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 ³	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 ⁴	1,770.0	60.5	0.4	39.9	—	—	94.7	111.7	75.0	27.8	4.3	0.2
Black												
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 ²	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 ²	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 ³	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 ⁴	2,424.0	84.8	5.2	111.9	—	—	156.3	113.8	65.7	26.3	5.3	0.3

— Data not available.
 * Figure does not meet standards of reliability or precision.
 0.0 Quantity more than zero but less than 0.05.
 1 Rates computed by relating total births, regardless of age of mother, to women 15-44 years.
 2 Excludes data for New Hampshire, which did not report Hispanic origin.
 3 Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.
 4 Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.
 5 Includes Central and South American and other and unknown Hispanic.
 6 Includes origin not stated.
 7 Includes races other than white and black.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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 and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence. Birth rates per 1,000 estimated population in each area; fertility rates 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 ¹	3,891,494	14.7	65.3	2,027.0	54.4	33.8	86.0
Alabama	60,488	14.2	62.1	1,909.0	69.2	45.3	104.1
Alaska	10,037	16.5	71.7	2,359.5	46.4	26.5	75.2
Arizona	75,322	17.0	77.1	2,386.5	73.9	48.9	110.7
Arkansas	36,371	14.5	67.1	2,065.5	75.4	44.9	121.7
California	539,433	16.9	74.8	2,295.0	62.6	39.2	99.1
Colorado	55,807	14.6	63.6	2,036.0	49.5	30.2	79.7
Connecticut	44,469	13.6	61.7	1,870.5	37.4	24.4	58.3
Delaware	10,155	14.0	59.8	1,838.5	56.9	41.0	79.9
District of Columbia	8,390	15.4	62.3	1,998.0	102.1	79.0	132.5
Florida	189,392	13.2	64.5	2,035.0	58.9	36.7	94.1
Georgia	114,043	15.5	64.5	2,001.5	68.2	45.4	103.3
Hawaii	18,401	15.5	72.5	2,299.5	48.1	28.0	76.2
Idaho	18,625	15.7	71.3	2,272.0	47.2	26.5	77.7
Illinois	183,180	15.5	69.0	2,135.5	57.1	36.1	90.9
Indiana	83,513	14.3	62.8	1,956.5	56.1	32.9	91.4
Iowa	37,139	13.0	60.5	1,908.0	37.8	21.4	63.6
Kansas	36,651	14.2	65.1	2,050.5	49.6	27.8	84.2
Kentucky	52,706	13.6	59.4	1,847.5	61.5	36.9	97.9
Louisiana	65,204	15.0	65.1	1,997.5	66.7	42.9	102.3
Maine	13,774	11.1	49.5	1,587.5	31.4	16.8	54.5
Maryland	71,533	14.1	60.1	1,859.5	46.1	29.6	72.3
Massachusetts	80,276	13.2	57.1	1,668.0	32.2	19.9	50.6
Michigan	133,387	13.9	61.1	1,904.5	46.5	28.2	75.5
Minnesota	63,700	13.7	60.6	1,894.0	32.1	18.5	54.2
Mississippi	40,987	15.1	65.6	1,962.5	75.5	52.1	110.5
Missouri	73,832	13.8	62.2	1,959.5	53.7	31.0	89.7
Montana	10,856	12.3	58.5	1,939.5	38.6	21.2	65.8
Nebraska	23,286	14.1	64.2	2,027.5	38.7	22.2	63.7
Nevada	26,125	16.3	75.5	2,411.5	69.6	42.1	113.5
New Hampshire	14,520	12.5	53.3	1,654.0	28.6	15.1	50.9
New Jersey	114,306	14.3	64.9	1,981.5	35.4	22.9	55.3
New Mexico	27,228	15.9	71.6	2,276.5	70.9	45.8	110.7
New York	263,963	14.5	64.7	1,958.5	41.8	25.6	66.4
North Carolina	104,470	14.3	62.9	1,953.5	63.5	40.8	97.5
North Dakota	8,347	13.0	60.6	1,893.5	32.3	16.1	58.1
Ohio	151,692	13.6	60.3	1,884.5	50.4	29.5	82.6
Oklahoma	46,193	14.0	65.0	2,029.0	63.4	37.2	104.7
Oregon	43,658	13.6	62.7	2,031.0	50.8	29.4	84.7
Pennsylvania	148,338	12.3	57.0	1,776.0	39.3	24.5	62.5
Rhode Island	12,652	12.8	56.9	1,720.0	42.5	27.3	65.7
South Carolina	51,117	13.8	59.5	1,827.5	62.9	41.3	94.2
South Dakota	10,473	14.3	66.6	2,121.0	39.5	22.4	66.0
Tennessee	73,754	13.9	60.9	1,905.0	66.1	40.2	105.8
Texas	330,406	17.3	75.0	2,321.0	73.5	48.8	111.3
Utah	42,087	21.0	89.0	2,656.0	42.8	24.3	68.6
Vermont	6,767	11.5	50.2	1,580.0	30.1	15.2	54.1
Virginia	92,354	13.8	58.4	1,784.5	45.5	27.7	71.6
Washington	77,945	14.1	62.0	1,977.0	45.0	26.1	74.5
West Virginia	20,750	11.4	52.5	1,632.5	50.3	28.7	81.9
Wisconsin	67,106	13.0	58.3	1,821.0	36.8	21.7	60.7
Wyoming	6,286	13.1	59.8	1,960.0	44.0	24.9	74.9
Puerto Rico	63,141	16.7	70.8	2,023.5	74.8	55.6	102.7
Virgin Islands	1,905	16.8	76.1	2,328.5	54.9	35.0	84.9
Guam	4,259	29.4	135.1	3,983.5	116.8	69.5	191.5

¹ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 11. Live births by race of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

State	Number				
	All races	White	Black	American Indian ¹	Asian or Pacific Islander
United States ²	3,891,494	3,093,057	594,781	37,880	165,776
Alabama	60,488	40,222	19,575	125	566
Alaska	10,037	6,781	422	2,403	431
Arizona	75,322	66,151	2,342	5,390	1,439
Arkansas	36,371	27,886	7,904	243	338
California	539,433	439,523	38,371	3,343	58,196
Colorado	55,807	51,070	2,577	586	1,574
Connecticut	44,469	37,885	5,243	106	1,235
Delaware	10,155	7,553	2,371	17	214
District of Columbia	8,390	2,057	6,179	4	150
Florida	189,392	142,618	42,275	631	3,868
Georgia	114,043	73,254	38,497	193	2,099
Hawaii	18,401	4,799	515	186	12,901
Idaho	18,625	18,020	75	285	245
Illinois	183,180	140,435	36,237	235	6,273
Indiana	83,513	73,646	8,827	121	919
Iowa	37,139	35,143	1,048	200	748
Kansas	36,651	32,769	2,766	292	824
Kentucky	52,706	47,318	4,860	77	451
Louisiana	65,204	37,366	26,517	260	1,061
Maine	13,774	13,460	85	84	145
Maryland	71,533	45,914	22,937	171	2,511
Massachusetts	80,276	69,171	7,377	157	3,571
Michigan	133,387	105,923	24,171	811	2,482
Minnesota	63,700	56,829	3,111	1,087	2,673
Mississippi	40,987	21,458	18,965	193	371
Missouri	73,832	61,296	11,119	271	1,146
Montana	10,856	9,500	38	1,208	110
Nebraska	23,286	21,322	1,205	333	426
Nevada	26,125	22,343	1,973	423	1,386
New Hampshire	14,520	14,226	112	23	159
New Jersey	114,306	86,386	20,517	224	7,179
New Mexico	27,228	23,195	467	3,174	392
New York	263,963	191,748	55,385	612	16,218
North Carolina	104,470	73,815	27,129	1,552	1,974
North Dakota	8,347	7,404	89	751	103
Ohio	151,692	127,435	22,051	256	1,950
Oklahoma	46,193	36,628	4,484	4,303	778
Oregon	43,658	40,436	893	672	1,657
Pennsylvania	148,338	124,262	20,581	219	3,276
Rhode Island	12,652	11,166	945	139	402
South Carolina	51,117	32,360	18,002	114	641
South Dakota	10,473	8,657	83	1,637	96
Tennessee	73,754	56,525	16,018	191	1,020
Texas	330,406	281,810	38,856	833	8,907
Utah	42,087	39,955	324	631	1,177
Vermont	6,767	6,685	19	9	54
Virginia	92,354	67,326	20,907	174	3,947
Washington	77,945	67,577	3,115	1,855	5,398
West Virginia	20,750	19,856	742	11	141
Wisconsin	67,106	57,934	6,431	849	1,892
Wyoming	6,286	5,959	49	216	62
Puerto Rico	63,141	58,079	5,003	---	---
Virgin Islands	1,905	350	1,503	46	6
Guam	4,259	427	48	7	3,777

--- Data not available.

¹ Includes births to Aleuts and Eskimos.

² Excludes data for Puerto Rico, Virgin Islands, and Guam.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[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 ¹	White	Black	
United States ²	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099	56,671
Alabama	60,488	936	605	125	18	141	47	59,524	39,326	19,536	28
Alaska	10,037	651	249	51	8	59	284	9,363	6,300	387	23
Arizona	75,322	27,901	26,746	289	38	507	321	47,246	38,602	2,249	175
Arkansas	36,371	1,315	1,080	31	5	149	50	35,010	26,572	7,871	46
California	539,433	254,895	218,625	1,974	770	26,370	7,156	282,499	185,659	37,133	2,039
Colorado	55,807	12,375	8,142	180	39	355	3,659	43,106	38,667	2,452	326
Connecticut	44,469	5,651	319	3,808	88	1,130	306	36,700	30,617	4,845	2,118
Delaware	10,155	660	292	249	2	90	27	9,475	6,899	2,348	20
District of Columbia	8,390	777	33	10	1	688	45	7,530	1,247	6,131	83
Florida	189,392	35,699	7,021	6,513	8,624	11,860	1,681	153,554	107,900	41,305	139
Georgia	114,043	6,266	4,697	438	88	778	265	106,725	66,346	38,167	1,052
Hawaii	18,401	2,164	417	628	11	86	1,022	16,220	4,118	489	17
Idaho	18,625	2,180	1,849	10	1	62	258	16,179	15,614	72	266
Illinois	183,180	32,849	27,067	2,885	192	858	1,847	150,222	107,706	36,014	1,09
Indiana	83,513	2,950	2,307	258	22	137	226	80,311	70,539	8,759	252
Iowa	37,139	1,481	1,164	32	7	164	114	35,171	33,311	981	487
Kansas	36,651	3,225	2,781	64	15	136	229	33,106	29,288	2,740	320
Kentucky	52,706	555	349	59	22	85	40	52,074	46,727	4,830	77
Louisiana	65,204	1,267	400	165	60	177	465	63,870	36,184	26,438	67
Maine	13,774	115	22	5	4	13	71	13,248	12,951	80	411
Maryland	71,533	3,234	558	231	44	1,704	697	67,308	42,214	22,497	991
Massachusetts	80,276	7,732	282	4,080	109	3,014	247	71,608	62,052	5,886	936
Michigan	133,387	5,050	3,636	367	62	288	697	121,873	94,990	23,792	6,464
Minnesota	63,700	2,324	1,768	83	18	232	223	57,385	50,726	3,049	3,991
Mississippi	40,987	278	136	17	11	21	93	40,677	21,156	18,958	32
Missouri	73,832	1,516	1,131	75	23	145	142	72,238	59,757	11,089	78
Montana	10,856	298	173	12	3	7	103	10,226	8,894	31	332
Nebraska	23,286	1,866	1,436	25	12	184	209	20,984	19,050	1,193	436
Nevada	26,125	6,966	5,695	134	138	725	274	19,038	15,386	1,941	121
New Hampshire	14,520	231	58	73	3	13	84	13,925	13,649	98	364
New Jersey	114,306	19,451	2,292	7,188	875	8,893	203	93,691	67,216	19,227	1,164
New Mexico	27,228	13,255	4,871	58	56	91	8,179	13,971	10,085	439	2
New York	263,963	52,684	6,299	15,314	475	24,690	5,906	183,837	119,291	48,096	27,442
North Carolina	104,470	5,433	3,867	445	91	799	231	99,001	68,481	27,029	36
North Dakota	8,347	137	78	7	2	14	36	8,067	7,135	86	143
Ohio	151,692	3,004	1,323	1,147	44	207	283	148,325	124,295	21,876	363
Oklahoma	46,193	2,881	2,104	111	11	104	551	43,252	33,772	4,459	60
Oregon	43,658	5,458	5,049	59	39	208	103	38,144	34,990	873	56
Pennsylvania	148,338	6,737	838	4,599	99	698	503	141,199	117,509	20,237	402
Rhode Island	12,652	1,667	79	564	16	895	113	9,447	8,210	750	1,538
South Carolina	51,117	973	567	113	21	149	123	50,111	31,427	17,973	33
South Dakota	10,473	146	101	5	1	14	25	10,313	8,520	80	14
Tennessee	73,754	1,425	877	130	32	150	236	72,289	55,120	15,985	40
Texas	330,406	142,831	128,180	913	246	6,955	6,537	187,002	138,925	38,497	573
Utah	42,087	3,944	2,985	68	41	465	385	38,036	36,006	252	107
Vermont	6,767	39	8	10	1	8	12	6,431	6,357	13	297
Virginia	92,354	5,150	1,023	463	90	2,956	618	87,075	62,192	20,808	129
Washington	77,945	8,930	7,296	198	20	237	1,179	66,585	56,950	2,886	2,430
West Virginia	20,750	125	51	9	3	10	52	20,610	19,757	738	15
Wisconsin	67,106	3,139	2,319	580	10	158	72	63,948	54,863	6,386	19
Wyoming	6,286	523	421	11	2	9	80	5,755	5,441	48	8
Puerto Rico	63,141	---	---	---	---	---	---	---	---	---	63,141
Virgin Islands	1,905	321	8	234	-	22	57	1,505	98	1,359	79
Guam	4,259	45	24	9	1	3	8	4,186	390	44	28

- Quantity zero.
 --- Data not available.
¹ Includes races other than white and black.
² Excludes data for Puerto Rico, Virgin Islands, and Guam.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. See Technical notes.

Table 13. Total number of births, rates, and percent of births with selected demographic characteristics, by specified race of mother and place of birth of mother: United States, 1996

Characteristic	All races	White	Black	American Indian ¹	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
Number										
Births	3,891,494	3,093,057	594,781	37,880	165,776	28,500	8,902	5,907	31,106	91,361
Rate										
Birth rate ²	14.7	14.1	17.8	16.6	17.0	—	—	—	—	—
Fertility rate ³	65.3	64.3	70.7	68.7	65.9	—	—	—	—	—
Total fertility rate ⁴	2,027.0	2,005.5	2,144.0	2,030.0	1,907.5	—	—	—	—	—
Sex Ratio ⁵	1,047	1,050	1,028	1,031	1,061	1,090	1,053	1,062	1,061	1,053
Percent										
All births										
Births to mothers under 20 years	12.9	11.3	22.8	20.9	5.3	0.9	2.5	18.4	6.1	5.8
Fourth- and higher-order births	10.4	9.5	15.0	19.7	8.4	2.5	3.8	13.8	7.2	10.7
Births to unmarried mothers	32.4	25.7	69.8	58.0	16.7	9.2	11.4	49.9	19.4	16.5
Mothers completing 12 years or more of school	77.6	78.4	71.8	67.0	85.0	87.2	97.3	83.1	92.6	80.6
Mothers born in the 50 States and D.C.	80.8	82.4	89.8	96.6	15.5	9.5	45.7	98.3	17.1	8.6
Mothers born in the 50 States and D.C.										
Births to mothers under 20 years	13.9	11.5	24.6	21.4	14.9	3.9	4.7	18.5	18.0	19.1
Fourth- and higher-order births	9.8	8.5	15.1	20.0	7.9	4.0	4.2	13.8	7.7	6.8
Births to unmarried mothers	33.0	24.5	72.3	59.0	32.5	15.0	17.2	50.0	36.9	30.7
Mothers completing 12 years or more of school	82.0	84.5	71.0	66.8	87.5	96.2	96.3	83.1	87.1	83.3
Mothers born outside the 50 States and D.C.										
Births to mothers under 20 years	8.8	10.2	7.6	8.4	3.5	0.6	0.7	18.0	3.6	4.6
Fourth- and higher-order births	13.0	14.1	13.7	11.6	8.5	2.3	3.4	14.1	7.1	11.1
Births to unmarried mothers	29.2	31.2	47.1	29.6	13.7	8.6	6.5	44.0	15.8	15.1
Mothers completing 12 years or more of school	58.7	49.8	79.4	74.3	84.5	86.2	98.2	83.8	93.7	80.3

— Data not available.

¹ Includes births to Aleuts and Eskimos.

² Rate per 1,000 population.

³ Rate per 1,000 women aged 15-44 years.

⁴ Rates are sums of birth rates for 5-year age groups multiplied by 5.

⁵ Male live births per 1,000 female live births.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 14. Total number of births, rates, 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, 1996

Characteristic	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
Births	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099
Rate										
Birth rate ³	14.7	24.8	27.4	17.9	10.7	⁷ 23.4		13.5	12.4	18.3
Fertility rate ⁴	65.3	104.9	119.3	71.3	58.9	⁷ 90.2		60.3	57.3	72.5
Total fertility rate ⁵	2,027.0	3,047.5	3,353.5	2,163.0	1,774.5	⁷ 2,762.0		1,881.0	1,795.5	2,204.0
Sex Ratio ⁶	1,047	1,041	1,039	1,037	1,044	1,046	1,058	1,048	1,053	1,027
Percent										
All births										
Births to mothers under 20 years	12.9	17.4	18.1	23.1	7.6	10.5	19.8	12.0	9.7	23.0
Fourth- and higher-order births	10.4	13.8	14.9	12.3	5.6	11.4	11.3	9.7	8.3	15.0
Births to unmarried mothers	32.4	40.7	37.9	60.7	24.7	44.1	43.5	30.6	21.5	70.0
Mothers completing 12 years or more of school	77.6	48.6	42.3	61.9	85.5	59.2	67.0	83.9	87.0	72.0
Mothers born in the 50 States and D.C.	80.8	38.2	38.2	61.5	36.9	8.1	74.6	90.2	95.1	91.0
Mothers born in the 50 States and D.C.										
Births to mothers under 20 years	13.9	26.1	27.2	25.3	12.1	23.5	23.2	12.8	9.9	24.5
Fourth- and higher-order births	9.8	11.3	11.9	11.0	4.7	5.0	11.0	9.6	8.2	15.1
Births to unmarried mothers	33.0	47.3	45.3	62.7	24.8	46.7	46.3	31.8	21.9	72.4
Mothers completing 12 years or more of school	82.0	63.6	61.7	62.1	86.9	77.4	68.9	83.7	86.8	71.1
Mothers born outside the 50 States and D.C.										
Births to mothers under 20 years	8.8	12.0	12.5	19.8	5.0	9.4	10.1	4.2	3.9	6.9
Fourth- and higher-order births	13.0	15.3	16.7	14.4	6.1	11.9	12.1	9.8	9.6	13.9
Births to unmarried mothers	29.2	36.6	33.3	57.4	24.7	43.8	34.0	19.0	13.6	45.2
Mothers completing 12 years or more of school	58.7	39.2	30.2	61.7	84.7	57.6	61.7	86.1	89.9	81.6

1 Includes origin not stated.
 2 Includes races other than white and black.
 3 Rate per 1,000 population.
 4 Rate per 1,000 women aged 15-44 years.
 5 Rates are sums of birth rates for 5-year age groups multiplied by 5.
 6 Male live births per 1,000 female live births.
 7 Includes Central and South American and other and unknown Hispanic.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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, 1996

[Rates on an annual basis per 1,000 population for specified month. Birth rates based on the total population. Fertility rates based on women aged 15-44 years]

Month	Number			Observed		Seasonally adjusted ¹	
	All races ²	White	Black	Birth rate	Fertility rate	Birth rate	Fertility rate
Total	3,891,494	3,093,057	594,781	14.7	65.3	...	...
January	314,283	246,948	50,605	14.0	62.2	14.8	65.2
February	301,763	239,049	46,953	14.9	66.1	14.6	65.1
March	322,581	257,722	48,139	14.4	63.8	14.5	65.1
April	312,595	251,404	44,914	14.4	63.8	14.7	65.1
May	325,708	262,378	46,232	14.5	64.4	14.7	65.1
June	318,525	254,966	47,090	14.6	65.0	14.4	65.2
July	345,162	274,643	53,053	15.3	68.2	14.8	65.2
August	346,317	274,797	53,834	15.4	68.4	14.7	65.3
September	336,348	266,722	51,935	15.4	68.6	14.7	65.3
October	336,346	267,413	51,224	14.9	66.4	15.1	65.3
November	309,397	243,861	48,790	14.1	63.1	14.6	65.3
December	322,469	253,154	52,012	14.3	63.6	14.6	65.3

... Category not applicable.

¹ 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).

² Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1996

Day of week and race of mother	Average number of births	Total ²	Index of occurrence ¹			
			Vaginal	Method of delivery		
				Total	Cesarean Primary	Repeat
All races ³	10,632	100.0	100.0	100.0	100.0	100.0
Sunday	7,949	74.8	79.7	56.2	66.2	39.0
Monday	10,742	101.0	100.2	104.1	97.1	116.1
Tuesday	11,903	111.9	110.0	119.1	115.8	124.8
Wednesday	11,712	110.2	108.4	116.8	114.8	120.3
Thursday	11,631	109.4	107.9	115.0	112.6	119.1
Friday	11,690	109.9	106.5	122.1	115.6	133.2
Saturday	8,774	82.5	86.9	66.3	77.7	46.7
White	8,451	100.0	100.0	100.0	100.0	100.0
Sunday	6,154	72.8	77.9	53.7	64.1	36.2
Monday	8,583	101.6	100.7	105.0	97.6	117.3
Tuesday	9,537	112.8	110.9	120.1	116.8	125.7
Wednesday	9,377	111.0	109.2	117.8	115.7	121.4
Thursday	9,303	110.1	108.6	115.5	113.1	119.6
Friday	9,349	110.6	107.0	123.4	116.4	135.1
Saturday	6,830	80.8	85.3	64.0	75.9	43.9
Black	1,625	100.0	100.0	100.0	100.0	100.0
Sunday	1,334	82.1	86.6	66.0	74.3	50.9
Monday	1,605	98.8	98.3	100.5	94.8	110.7
Tuesday	1,769	108.9	107.0	115.5	112.2	121.4
Wednesday	1,745	107.4	105.7	113.3	111.6	116.4
Thursday	1,735	106.8	105.2	112.7	110.5	116.5
Friday	1,739	107.0	104.1	116.4	111.8	124.6
Saturday	1,446	89.0	92.8	75.4	84.6	58.9

¹ 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.

² Includes method of delivery not stated.

³ Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 17. Number, rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 1996

Measure and age of mother	All races ¹	White		Black		Hispanic ²
		Total	Non-Hispanic	Total	Non-Hispanic	
Number						
All ages	1,260,306	795,432	508,157	415,213	404,575	285,501
Under 15 years	10,460	4,959	2,378	5,147	5,044	2,639
15-19 years	373,289	236,815	156,073	124,602	121,926	80,501
15 years	25,776	14,510	8,123	10,359	10,169	6,444
16 years	51,901	31,831	19,535	18,377	18,012	12,345
17 years	79,161	50,652	33,128	26,068	25,469	17,484
18 years	101,731	65,706	44,571	32,835	32,136	20,989
19 years	114,720	74,116	50,716	36,963	36,140	23,239
20-24 years	431,462	272,673	174,880	142,903	139,710	96,904
25-29 years	235,651	148,498	90,385	76,489	74,164	57,872
30-34 years	133,048	83,108	51,820	43,057	41,526	31,160
35-39 years	62,656	40,109	26,478	19,353	18,687	13,392
40 years and over	13,740	9,270	6,143	3,662	3,518	3,033
Rate per 1,000 unmarried women in specified group						
15-44 years ³	44.8	37.6	28.3	74.4	—	93.2
15-19 years	42.9	34.5	27.0	89.2	—	74.5
15-17 years	29.0	22.7	16.9	64.0	—	53.4
18-19 years	65.9	54.1	43.8	129.2	—	110.4
20-24 years	70.7	59.0	44.5	125.8	—	146.5
25-29 years	56.8	49.9	35.7	84.5	—	139.1
30-34 years	41.1	36.1	26.6	54.5	—	90.8
35-39 years	20.1	17.8	13.9	25.5	—	42.3
40-44 years ⁴	4.8	4.3	3.3	6.1	—	12.3
Percent of births to unmarried women						
All ages	32.4	25.7	21.5	69.8	70.0	40.7
Under 15 years	93.8	89.7	93.9	99.1	99.2	86.4
15-19 years	75.9	68.7	69.3	95.4	95.5	67.7
15 years	90.3	85.5	89.5	98.7	98.7	80.8
16 years	86.1	80.8	83.8	98.0	98.1	76.5
17 years	81.7	75.6	77.6	97.4	97.5	72.1
18 years	75.3	68.3	69.3	95.5	95.6	66.2
19 years	67.2	59.3	59.1	92.0	92.2	59.9
20-24 years	45.6	37.5	34.4	79.7	79.9	45.2
25-29 years	22.0	16.9	13.2	57.4	57.5	31.2
30-34 years	14.8	11.1	8.4	45.7	45.6	26.0
35-39 years	15.7	12.2	9.6	44.3	44.2	26.9
40 years and over	18.4	15.3	12.5	43.5	43.4	29.6

— Data not available.

¹ Includes races other than white and black and origin not stated.

² Persons of Hispanic origin may be of any race.

³ Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.

⁴ Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.

NOTES: For 45 States and the District of Columbia, marital status of mother is reported on the birth certificate; for 5 States, 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 1980-96, and by age, race and Hispanic origin of mother: United States, 1980-96

[Rates are live births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1]

Year and race and Hispanic origin	Age of Mother								
	15-44 years ¹	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years ²
		Total	15-17 years	18-19 years					
All races ³									
1996 ⁴	44.8	42.9	29.0	65.9	70.7	56.8	41.1	20.1	4.8
1995 ⁴	45.1	44.4	30.5	67.6	70.3	56.1	39.6	19.5	4.7
1994 ⁴	46.9	46.4	32.0	70.1	72.2	59.0	40.1	19.8	4.7
1993 ⁴	45.3	44.5	30.6	66.9	69.2	57.1	38.5	19.0	4.4
1992 ⁴	45.2	44.6	30.4	67.3	68.5	56.5	37.9	18.8	4.1
1991 ⁴	45.2	44.8	30.9	65.7	68.0	56.5	38.1	18.0	3.8
1990 ⁴	43.8	42.5	29.6	60.7	65.1	56.0	37.6	17.3	3.6
1989 ⁴	41.6	40.1	28.7	56.0	61.2	52.8	34.9	16.0	3.4
1988 ⁴	38.5	36.4	26.4	51.5	56.0	48.5	32.0	15.0	3.2
1987 ⁴	36.0	33.8	24.5	48.9	52.6	44.5	29.6	13.5	2.9
1986 ⁴	34.2	32.3	22.8	48.0	49.3	42.2	27.2	12.2	2.7
1985 ⁴	32.8	31.4	22.4	45.9	46.5	39.9	25.2	11.6	2.5
1984 ^{4,5}	31.0	30.0	21.9	42.5	43.0	37.1	23.3	10.9	2.5
1983 ^{4,5}	30.3	29.5	22.0	40.7	41.8	35.5	22.4	10.2	2.6
1982 ^{4,5}	30.0	28.7	21.5	39.6	41.5	35.1	21.9	10.0	2.7
1981 ^{4,5}	29.5	27.9	20.9	39.0	41.1	34.5	20.8	9.8	2.6
1980 ^{4,5}	29.4	27.6	20.6	39.0	40.9	34.0	21.1	9.7	2.6
1980 ^{5,6}	28.4	27.5	20.7	38.7	39.7	31.4	18.5	8.4	2.3
1975 ^{5,6}	24.5	23.9	19.3	32.5	31.2	27.5	17.9	9.1	2.6
1970 ^{6,7}	26.4	22.4	17.1	32.9	38.4	37.0	27.1	13.6	3.5
White, total									
1996 ⁴	37.6	34.5	22.7	54.1	59.0	49.9	36.1	17.8	4.3
1995 ⁴	37.5	35.5	23.6	55.4	58.0	48.7	34.2	16.9	4.2
1994 ⁴	38.3	36.2	24.1	56.4	58.1	49.7	34.2	17.3	4.3
1993 ⁴	35.9	33.6	22.1	52.4	54.2	46.7	32.2	16.4	3.9
1992 ⁴	35.2	33.0	21.6	51.5	52.7	45.4	31.5	16.2	3.6
1991 ⁴	34.6	32.8	21.8	49.6	51.5	44.6	31.1	15.2	3.2
1990 ⁴	32.9	30.6	20.4	44.9	48.2	43.0	29.9	14.5	3.2
1989 ⁴	30.2	28.0	19.3	40.2	43.8	39.1	26.8	13.1	2.9
1988 ⁴	27.4	25.3	17.6	36.8	39.2	35.4	24.2	12.1	2.7
1987 ⁴	25.3	23.2	16.2	34.5	36.6	32.0	22.3	10.7	2.4
1986 ⁴	23.9	21.8	14.9	33.5	34.2	30.5	20.1	9.7	2.2
1985 ⁴	22.5	20.8	14.5	31.2	31.7	28.5	18.4	9.0	2.0
1984 ^{4,5}	20.6	19.3	13.7	27.9	28.5	25.5	16.8	8.4	2.0
1983 ^{4,5}	19.8	18.7	13.6	26.4	27.1	23.8	15.9	7.8	2.0
1982 ^{4,5}	19.3	18.0	13.1	25.3	26.5	23.1	15.3	7.4	2.1
1981 ^{4,5}	18.6	17.2	12.6	24.6	25.8	22.3	14.2	7.2	1.9
1980 ^{4,5}	18.1	16.5	12.0	24.1	25.1	21.5	14.1	7.1	1.8
White, non-Hispanic									
1996 ⁴	28.3	27.0	16.9	43.8	44.5	35.7	26.6	13.9	3.3
1995 ⁴	28.2	27.7	17.6	44.5	43.8	34.9	25.3	13.0	3.2
1994 ⁴	28.5	28.1	18.0	45.0	43.8	35.0	24.8	12.9	3.1
1993 ⁴	---	---	---	---	---	---	---	---	---
1992 ⁴	---	---	---	---	---	---	---	---	---
1991 ⁴	---	---	---	---	---	---	---	---	---
1990 ^{4,8}	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 1980-96, and by age, race and Hispanic origin of mother: United States, 1980-96--Con.

[Rates are live births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1]

Year and race	Age of Mother								
	15-44 years ¹	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years ²
		Total	15-17 years	18-19 years					
Black									
1996 ⁴	74.4	89.2	64.0	129.2	125.8	84.5	54.5	25.5	6.1
1995 ⁴	75.9	92.8	68.6	131.2	127.7	84.8	54.3	25.6	6.0
1994 ⁴	82.1	100.9	75.1	141.6	138.1	93.6	57.2	26.3	5.9
1993 ⁴	84.0	102.4	76.8	141.6	142.2	94.5	57.3	25.9	5.8
1992 ⁴	86.5	105.9	78.0	147.8	144.3	98.2	57.7	25.8	5.4
1991 ⁴	89.5	108.5	80.4	148.7	147.5	100.9	60.1	25.6	5.4
1990 ⁴	90.5	106.0	78.8	143.7	144.8	105.3	61.5	25.5	5.1
1989 ⁴	90.7	104.5	78.9	140.9	142.4	102.9	60.5	24.9	5.0
1988 ⁴	86.5	96.1	73.5	130.5	133.6	97.2	57.4	24.1	5.0
1987 ⁴	82.6	90.9	69.9	123.0	126.1	91.6	53.1	22.4	4.7
1986 ⁴	79.0	88.5	67.0	121.1	118.0	84.6	50.0	20.6	4.4
1985 ⁴	77.0	87.6	66.8	117.9	113.1	79.3	47.5	20.4	4.3
1984 ^{4,5}	75.2	86.1	66.5	113.6	107.9	77.8	43.8	19.4	4.3
1983 ^{4,5}	76.2	85.5	66.8	111.9	107.2	79.7	43.8	19.4	4.8
1982 ^{4,5}	77.9	85.1	66.3	112.7	109.3	82.7	44.1	19.5	5.2
1981 ^{4,5}	79.4	85.0	65.9	114.2	110.7	83.1	45.5	19.6	5.6
1980 ^{4,5}	81.1	87.9	68.8	118.2	112.3	81.4	46.7	19.0	5.5
Hispanic⁹									
1996 ⁴	93.2	74.5	53.4	110.4	146.5	139.1	90.8	42.3	12.3
1995 ⁴	95.0	78.7	56.3	117.9	148.9	133.8	89.2	43.4	12.2
1994 ⁴	101.2	82.6	59.0	123.6	154.8	141.6	95.5	48.4	14.0
1993 ⁴	95.2	74.6	51.9	114.6	140.5	137.7	90.9	47.8	14.1
1992 ⁴	95.3	72.9	51.0	110.5	142.2	138.3	91.8	48.1	14.5
1991 ⁴	93.7	72.4	50.5	109.6	135.4	137.5	89.1	47.7	14.2
1990 ⁴	89.6	65.9	45.9	98.9	129.8	131.7	88.1	50.8	13.7

— Data not available.

1 Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.

2 Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.

3 Includes races other than white and black.

4 Data for States in which marital status was not reported have been inferred and included with data from the remaining States; see Technical notes.

5 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

6 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.

7 Based on a 50-percent sample of births.

8 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.

9 Persons of Hispanic origin may be 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 and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

State	Births to unmarried women						Percent unmarried					
	All races ¹	White		Black		Hispanic ²	All races ¹	White		Black		Hispanic ²
		Total	Non-Hispanic	Total	Non-Hispanic			Total	Non-Hispanic	Total	Non-Hispanic	
United States ³	1,260,306	795,432	508,157	415,213	404,575	285,501	32.4	25.7	21.5	69.8	70.0	40.7
Alabama	20,366	6,597	6,385	13,651	13,634	232	33.7	16.4	16.2	69.7	69.8	24.8
Alaska	3,110	1,520	1,371	170	152	207	31.0	22.4	21.8	40.3	39.3	31.8
Arizona	29,243	23,818	10,032	1,503	1,437	14,051	38.8	36.0	26.0	64.2	63.9	50.4
Arkansas	12,335	6,321	5,898	5,859	5,832	436	33.9	22.7	22.2	74.1	74.1	33.2
California	169,313	137,061	41,910	23,201	22,509	95,897	31.4	31.2	22.6	60.5	60.6	37.6
Colorado	13,863	11,826	6,888	1,496	1,410	5,013	24.8	23.2	17.8	58.1	57.5	40.5
Connecticut	13,940	9,709	5,792	3,706	3,423	3,659	31.3	25.6	18.9	70.7	70.7	64.7
Delaware	3,603	1,840	1,505	1,731	1,713	346	35.5	24.4	21.8	73.0	73.0	52.4
District of Columbia	5,547	574	150	4,933	4,908	430	66.1	27.9	12.0	79.8	80.1	55.3
Florida	68,077	38,571	26,716	28,669	28,119	12,413	35.9	27.0	24.8	67.8	68.1	34.8
Georgia	39,928	13,983	12,223	25,640	25,484	1,634	35.0	19.1	18.4	66.6	66.8	26.1
Hawaii	5,569	817	630	111	99	980	30.3	17.0	15.3	21.6	20.2	45.3
Idaho	3,969	3,754	3,068	24	22	632	21.3	20.8	19.6	32.0	30.6	29.0
Illinois	61,743	32,994	20,135	28,193	28,053	12,974	33.7	23.5	18.7	77.8	77.9	39.5
Indiana	27,002	20,049	18,775	6,806	6,757	1,223	32.3	27.2	26.6	77.1	77.1	41.5
Iowa	9,760	8,734	8,062	754	707	565	26.3	24.9	24.2	71.9	72.1	38.1
Kansas	9,847	7,670	6,425	1,889	1,869	1,229	26.9	23.4	21.9	68.3	68.2	38.1
Kentucky	15,693	11,996	11,829	3,581	3,563	159	29.8	25.4	25.3	73.7	73.8	28.6
Louisiana	28,320	8,548	8,195	19,460	19,429	395	43.4	22.9	22.6	73.4	73.5	31.2
Maine	3,959	3,851	3,681	37	35	29	28.7	28.6	28.4	43.5	43.8	25.2
Maryland	23,977	9,299	7,958	14,408	14,203	1,234	33.5	20.3	18.9	62.8	63.1	38.2
Massachusetts	20,458	15,371	11,297	4,344	3,493	4,651	25.5	22.2	18.2	58.9	59.3	60.2
Michigan	45,052	25,878	21,768	18,487	18,230	2,109	33.8	24.4	22.9	76.5	76.6	41.8
Minnesota	15,798	12,182	10,701	2,105	2,067	1,087	24.8	21.4	21.1	67.7	67.8	46.8
Mississippi	18,463	4,000	3,915	14,262	14,258	84	45.0	18.6	18.5	75.2	75.2	30.2
Missouri	24,483	15,470	14,909	8,685	8,668	563	33.2	25.2	24.9	78.1	78.2	37.1
Montana	3,026	2,180	1,976	16	14	106	27.9	22.9	22.2	*	*	35.6
Nebraska	5,765	4,594	3,765	861	854	741	24.8	21.5	19.8	71.5	71.6	39.7
Nevada	11,145	8,819	4,998	1,515	1,495	3,827	42.7	39.5	32.5	76.8	77.0	54.9
New Hampshire	3,400	3,330	3,105	44	40	103	23.4	23.4	22.7	39.3	40.8	44.6
New Jersey	31,959	17,624	8,476	13,712	12,997	9,621	28.0	20.4	12.6	66.8	67.6	49.5
New Mexico	11,470	8,832	2,431	286	272	6,491	42.1	38.1	24.1	61.2	62.0	49.0
New York	104,416	60,106	25,149	39,480	34,251	33,292	39.6	31.3	21.1	71.3	71.2	63.2
North Carolina	33,419	14,069	12,173	18,252	18,200	1,942	32.0	19.1	17.8	67.3	67.3	35.7
North Dakota	2,099	1,528	1,437	22	21	46	25.1	20.6	20.1	24.7	24.4	33.6
Ohio	50,265	33,098	31,571	16,862	16,734	1,507	33.1	26.0	25.4	76.5	76.5	50.2
Oklahoma	14,267	9,074	8,139	3,109	3,095	955	30.9	24.8	24.1	69.3	69.4	33.1
Oregon	12,959	11,618	9,640	623	609	2,006	29.7	28.7	27.6	69.8	69.8	36.8
Pennsylvania	47,976	31,163	27,050	16,160	15,920	4,213	32.3	25.1	23.0	78.5	78.7	62.5
Rhode Island	4,208	3,318	2,018	646	516	1,001	33.3	29.7	24.6	68.4	68.8	60.0
South Carolina	19,075	6,491	6,218	12,453	12,439	285	37.3	20.1	19.8	69.2	69.2	29.3
South Dakota	3,091	1,837	1,791	25	23	59	29.5	21.2	21.0	30.1	28.8	40.4
Tennessee	24,645	12,601	12,178	11,769	11,743	443	33.4	22.3	22.1	73.5	73.5	31.1
Texas	100,573	74,748	26,585	24,609	24,408	48,256	30.4	26.5	19.1	63.3	63.4	33.8
Utah	6,809	6,108	4,709	156	136	1,419	16.2	15.3	13.1	48.1	54.0	36.0
Vermont	1,786	1,759	1,646	11	10	7	26.4	26.3	25.9	*	*	*
Virginia	26,634	12,920	10,999	13,255	13,224	1,939	28.8	19.2	17.7	63.4	63.6	37.7
Washington	21,287	17,432	13,744	1,743	1,641	3,339	27.3	25.8	24.1	56.0	56.9	37.4
West Virginia	6,504	5,935	5,908	549	545	30	31.3	29.9	29.9	74.0	73.8	24.0
Wisconsin	18,413	12,292	10,920	5,328	5,293	1,424	27.4	21.2	19.9	82.8	82.9	45.4
Wyoming	1,697	1,523	1,313	22	21	217	27.0	25.6	24.1	44.9	43.8	41.5
Puerto Rico	27,886	24,821	--	3,055	--	--	44.2	42.7	--	61.1	--	--
Virgin Islands	1,224	171	35	1,045	952	188	64.3	48.9	35.7	69.5	70.1	58.6
Guam	2,066	73	66	10	10	9	48.5	17.1	16.9	*	*	*

* Figure does not meet standards of reliability or precision.
 -- Data not available.
¹ Includes races other than white and black and origin not stated.
² Persons of Hispanic origin may be of any race.
³ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 20. Birth rates by age and race of father: United States, 1980-96

[Rates are live births per 1,000 men in specified group, 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 ¹	Age of father								
		15-19 years ²	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 races³										
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 ⁴	55.0	17.8	80.7	111.4	89.9	46.0	17.8	6.3	2.4	0.4
1983 ⁴	55.1	18.2	82.6	113.0	89.1	45.2	17.4	6.4	2.3	0.4
1982 ⁴	56.4	18.6	86.5	117.3	90.3	44.5	17.5	6.4	2.3	0.4
1981 ⁴	56.3	18.4	88.4	119.1	88.7	43.3	17.0	6.2	2.3	0.4
1980 ⁴	57.0	18.8	92.0	123.1	91.0	42.8	17.1	6.1	2.2	0.3
White										
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 ⁴	51.8	14.0	74.3	108.8	87.9	43.5	16.0	5.3	1.9	0.3
1983 ⁴	52.0	14.4	76.3	110.2	86.8	42.6	15.5	5.3	1.8	0.3
1982 ⁴	53.1	14.9	80.1	114.2	87.5	41.7	15.6	5.3	1.9	0.3
1981 ⁴	52.9	15.0	81.7	115.8	85.8	40.3	15.0	5.2	1.8	0.3
1980 ⁴	53.4	15.4	84.9	119.4	87.8	39.7	15.0	5.1	1.8	0.3
Black										
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 ⁴	76.7	40.9	128.0	132.2	98.3	58.4	29.3	13.3	6.1	1.2
1983 ⁴	77.2	40.7	129.1	134.4	99.0	59.6	29.6	13.5	6.0	1.2
1982 ⁴	79.5	40.3	133.4	141.2	103.6	61.1	29.6	13.9	6.0	1.2
1981 ⁴	80.4	38.9	138.4	145.6	104.3	61.3	29.7	13.3	5.7	1.2
1980 ⁴	83.0	40.1	145.3	152.8	109.6	62.0	31.2	13.6	5.9	1.1

¹ Rates computed by relating total births, regardless of age of father, to men aged 15-54 years.
² Rates computed by relating births of fathers under 20 years of age to men aged 15-19 years.
³ Includes races other than white and black.
⁴ 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 the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the father's reported race; see Technical notes.

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, 1996

Age and race of mother	Total	Years of school completed by mother					Not Stated	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			
All races¹									
All ages	3,891,494	233,596	626,175	1,281,198	847,139	847,824	55,562	77.6	22.1
Under 15 years	11,148	8,455	2,317	-	-	-	376	-	-
15-19 years	491,577	45,535	261,949	153,821	22,254	-	8,018	36.4	-
15 years	28,540	9,440	18,342	-	-	-	758	-	-
16 years	60,287	8,316	49,260	1,555	-	-	1,156	2.6	-
17 years	96,894	8,150	72,782	14,000	323	-	1,639	15.0	-
18 years	135,059	9,102	65,114	54,853	3,949	-	2,041	44.2	-
19 years	170,797	10,527	56,451	83,413	17,982	-	2,424	60.2	-
20-24 years	945,210	63,020	187,992	414,079	219,077	47,694	13,348	73.1	5.1
25-29 years	1,071,287	53,792	99,745	357,007	279,400	267,152	14,191	85.5	25.3
30-34 years	897,913	37,532	50,607	238,990	218,714	340,048	12,022	90.1	38.4
35-39 years	399,510	19,576	19,830	100,150	91,401	162,427	6,126	90.0	41.3
40 years and over	74,849	5,686	3,735	17,151	16,293	30,503	1,481	87.2	41.6
White									
All ages	3,093,057	202,837	456,141	992,327	673,793	728,558	39,401	78.4	23.9
Under 15 years	5,526	4,195	1,133	-	-	-	198	-	-
15-19 years	344,685	37,168	178,776	108,439	15,050	-	5,252	36.4	-
15 years	16,978	5,980	10,566	-	-	-	432	-	-
16 years	39,401	6,385	31,228	1,052	-	-	736	2.7	-
17 years	66,997	6,980	49,296	9,445	227	-	1,049	14.7	-
18 years	96,246	8,187	46,154	37,887	2,656	-	1,362	42.7	-
19 years	125,063	9,636	41,532	60,055	12,167	-	1,673	58.5	-
20-24 years	726,669	58,273	143,121	313,425	164,541	37,759	9,550	71.9	5.3
25-29 years	878,449	48,504	78,562	284,959	226,946	229,276	10,202	85.4	26.4
30-34 years	747,436	33,179	37,850	192,765	179,995	294,919	8,728	90.4	39.9
35-39 years	329,782	16,931	14,164	79,655	74,209	140,416	4,407	90.4	43.2
40 years and over	60,510	4,587	2,535	13,084	13,052	26,188	1,064	88.0	44.1
Black									
All ages	594,781	18,573	145,688	229,655	131,046	58,299	11,520	71.8	10.0
Under 15 years	5,193	3,961	1,084	-	-	-	148	-	-
15-19 years	130,596	7,224	74,679	40,008	6,306	-	2,379	36.1	-
15 years	10,498	3,145	7,066	-	-	-	287	-	-
16 years	18,753	1,719	16,232	441	-	-	361	2.4	-
17 years	26,775	994	21,175	4,025	79	-	502	15.6	-
18 years	34,394	711	16,982	15,005	1,124	-	572	47.7	-
19 years	40,176	655	13,224	20,537	5,103	-	657	64.9	-
20-24 years	179,361	2,486	38,471	84,024	44,520	6,974	2,886	76.8	4.0
25-29 years	133,204	1,913	16,592	54,729	38,536	18,781	2,653	85.8	14.4
30-34 years	94,295	1,584	9,680	33,483	27,524	19,898	2,126	87.8	21.6
35-39 years	43,716	1,067	4,303	14,635	12,044	10,570	1,097	87.4	24.8
40 years and over	8,416	338	879	2,776	2,116	2,076	231	85.1	25.4

- Quantity zero.

¹ Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

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, 1996

Period of gestation ¹ and race and Hispanic origin of mother	All births	Weight gain during pregnancy									Median weight gain in pounds
		Less than 16 pounds	16-20 pounds	21-25 pounds	26-30 pounds	31-35 pounds	36-40 pounds	41-45 pounds	46 pounds or more	Not stated	
Number											
All gestation periods ²											
All races ³	3,352,061	340,578	336,239	443,745	579,778	438,917	386,286	202,425	337,382	286,711	...
White, total	2,653,534	244,006	255,287	354,491	472,052	364,556	317,408	167,131	270,370	208,233	...
White, non-Hispanic	2,173,330	191,046	203,177	294,212	395,718	310,927	270,774	143,279	231,818	132,379	...
Black, total	556,410	83,217	65,462	68,946	82,549	55,849	54,003	28,093	56,603	61,688	...
Black, non-Hispanic	540,966	81,529	63,881	67,007	80,361	54,098	52,450	27,181	54,894	59,565	...
Hispanic ⁴	136,689	12,868	14,971	19,643	24,317	17,872	14,367	6,899	9,911	15,841	...
Under 37 weeks											
All races ³	372,057	59,672	46,998	49,258	55,691	36,926	32,380	16,608	30,636	43,888	...
White, total	260,087	36,344	31,628	35,308	40,873	28,076	24,229	12,680	22,854	28,095	...
White, non-Hispanic	207,134	28,002	25,099	28,896	33,349	23,424	20,243	10,775	19,376	17,970	...
Black, total	97,106	21,172	13,491	11,809	12,536	7,382	6,946	3,352	6,814	13,604	...
Black, non-Hispanic	95,108	20,816	13,244	11,551	12,287	7,228	6,782	3,263	6,657	13,280	...
Hispanic ⁴	14,303	2,081	1,820	2,060	2,205	1,415	1,159	562	930	2,071	...
37-39 weeks											
All races ³	1,500,905	148,525	153,852	207,836	269,887	200,848	171,833	87,729	141,101	119,294	...
White, total	1,185,674	107,547	116,784	165,941	218,926	165,736	140,192	71,796	111,992	86,760	...
White, non-Hispanic	971,227	83,992	92,818	137,633	183,525	141,312	119,377	61,271	95,699	55,600	...
Black, total	247,197	34,803	29,279	31,731	38,440	26,043	24,632	12,637	24,594	25,038	...
Black, non-Hispanic	240,587	34,096	28,584	30,850	37,454	25,277	23,965	12,246	23,890	24,225	...
Hispanic ⁴	65,544	5,936	7,522	9,856	12,081	8,776	6,811	3,149	4,302	7,111	...
40 weeks and over											
All races ³	1,464,334	131,407	134,630	185,804	253,158	200,385	181,423	97,781	165,092	114,654	...
White, total	1,197,570	99,523	106,401	152,736	211,538	170,258	152,540	82,429	135,161	86,984	...
White, non-Hispanic	988,195	78,656	84,917	127,279	178,280	145,813	130,779	71,050	116,465	54,956	...
Black, total	209,193	26,951	22,522	25,279	31,407	22,323	22,340	12,060	25,087	21,224	...
Black, non-Hispanic	202,668	26,336	21,886	24,481	30,462	21,495	21,621	11,631	24,244	20,512	...
Hispanic ⁴	55,386	4,767	5,525	7,534	9,883	7,531	6,290	3,160	4,605	6,091	...
Percent distribution											
All gestation periods ²											
All races ³	100.0	11.1	11.0	14.5	18.9	14.3	12.6	6.6	11.0	...	30.4
White, total	100.0	10.0	10.4	14.5	19.3	14.9	13.0	6.8	11.1	...	30.6
White, non-Hispanic	100.0	9.4	10.0	14.4	19.4	15.2	13.3	7.0	11.4	...	30.7
Black, total	100.0	16.8	13.2	13.9	16.7	11.3	10.9	5.7	11.4	...	29.1
Black, non-Hispanic	100.0	16.9	13.3	13.9	16.7	11.2	10.9	5.6	11.4	...	29.0
Hispanic ⁴	100.0	10.6	12.4	16.3	20.1	14.8	11.9	5.7	8.2	...	29.6
Under 37 weeks											
All races ³	100.0	18.2	14.3	15.0	17.0	11.3	9.9	5.1	9.3	...	27.1
White, total	100.0	15.7	13.6	15.2	17.6	12.1	10.4	5.5	9.9	...	28.3
White, non-Hispanic	100.0	14.8	13.3	15.3	17.6	12.4	10.7	5.7	10.2	...	28.8
Black, total	100.0	25.4	16.2	14.1	15.0	8.8	8.3	4.0	8.2	...	25.2
Black, non-Hispanic	100.0	25.4	16.2	14.1	15.0	8.8	8.3	4.0	8.1	...	25.1
Hispanic ⁴	100.0	17.0	14.9	16.8	18.0	11.6	9.5	4.6	7.6	...	25.9
37-39 weeks											
All races ³	100.0	10.8	11.1	15.0	19.5	14.5	12.4	6.3	10.2	...	30.3
White, total	100.0	9.8	10.6	15.1	19.9	15.1	12.8	6.5	10.2	...	30.5
White, non-Hispanic	100.0	9.2	10.1	15.0	20.0	15.4	13.0	6.7	10.5	...	30.6
Black, total	100.0	15.7	13.2	14.3	17.3	11.7	11.1	5.7	11.1	...	29.5
Black, non-Hispanic	100.0	15.8	13.2	14.3	17.3	11.7	11.1	5.7	11.0	...	29.4
Hispanic ⁴	100.0	10.2	12.9	16.9	20.7	15.0	11.7	5.4	7.4	...	29.2
40 weeks and over											
All races ³	100.0	9.7	10.0	13.8	18.8	14.8	13.4	7.2	12.2	...	30.8
White, total	100.0	9.0	9.6	13.8	19.0	15.3	13.7	7.4	12.2	...	30.9
White, non-Hispanic	100.0	8.4	9.1	13.6	19.1	15.6	14.0	7.6	12.5	...	31.0
Black, total	100.0	14.3	12.0	13.4	16.7	11.9	11.9	6.4	13.3	...	30.3
Black, non-Hispanic	100.0	14.5	12.0	13.4	16.7	11.8	11.9	6.4	13.3	...	30.3
Hispanic ⁴	100.0	9.7	11.2	15.3	20.0	15.3	12.8	6.4	9.3	...	30.2

... Category not applicable.

¹ Expressed in completed weeks.

² Includes births with period of gestation not stated.

³ Includes races other than white and black and origin not stated.

⁴ Persons of Hispanic origin may be 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, 1996

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

Period of gestation ¹ and race and Hispanic origin of mother	Total	Weight gain during pregnancy								
		Less than 16 pounds	16-20 pounds	21-25 pounds	26-30 pounds	31-35 pounds	36-40 pounds	41-45 pounds	46 pounds or more	Not stated
All gestation periods ²										
All races ³	7.6	14.5	10.5	7.7	6.0	5.1	4.8	4.7	5.1	11.7
White, total	6.5	12.0	9.2	6.7	5.3	4.5	4.3	4.3	4.7	9.9
White, non-Hispanic	6.4	12.1	9.4	6.8	5.2	4.5	4.3	4.3	4.8	10.4
Black, total	13.1	22.2	16.2	12.7	10.4	8.7	7.9	7.3	7.1	18.4
Black, non-Hispanic	13.2	22.3	16.3	12.8	10.5	8.8	7.9	7.4	7.1	18.5
Hispanic, total ⁴	6.8	11.5	8.0	6.7	5.4	4.6	4.4	4.1	4.4	8.9
Mexican ⁴	6.3	10.2	7.0	5.9	5.0	4.2	3.9	3.7	4.1	8.2
Puerto Rican ⁴	9.3	17.0	12.5	9.5	7.5	6.5	6.0	5.1	5.3	14.4
Cuban ⁴	6.5	12.8	11.1	7.3	6.7	3.9	3.9	4.3	5.1	9.9
Central and South American ⁴	6.1	11.6	8.0	6.4	4.5	4.4	4.6	3.9	4.2	7.6
Other and unknown Hispanic ⁴	8.0	13.4	9.3	8.1	6.4	5.4	5.3	4.4	4.6	12.8
Under 37 weeks										
All races ³	44.2	58.5	48.9	42.5	37.9	35.6	34.9	34.3	35.2	53.6
White, total	42.5	56.5	47.9	41.5	36.9	35.0	34.4	34.3	35.5	51.7
White, non-Hispanic	43.6	58.6	49.9	42.6	38.0	35.9	35.3	35.3	36.7	55.8
Black, total	49.5	62.7	52.1	46.5	41.8	39.0	37.4	36.0	34.9	58.6
Black, non-Hispanic	49.5	62.8	52.2	46.5	41.9	39.1	37.4	36.3	34.9	58.5
Hispanic ⁴	37.4	48.8	39.5	36.2	31.3	29.9	29.7	26.7	28.4	43.3
37-39 weeks										
All races ³	4.4	7.1	6.0	4.8	3.9	3.5	3.1	3.3	3.4	5.5
White, total	3.8	6.0	5.3	4.2	3.4	3.1	2.8	3.0	3.1	4.6
White, non-Hispanic	3.8	6.0	5.4	4.2	3.4	3.1	2.8	2.9	3.1	4.4
Black, total	7.2	10.7	9.0	7.6	6.5	5.6	4.9	5.1	4.8	8.5
Black, non-Hispanic	7.3	10.7	9.1	7.7	6.6	5.6	4.9	5.1	4.8	8.6
Hispanic ⁴	4.1	6.0	4.9	4.2	3.6	3.3	2.9	3.2	3.1	4.9
40 weeks and over										
All races ³	1.5	2.9	2.3	1.7	1.3	1.1	1.0	0.9	1.0	2.2
White, total	1.3	2.3	2.0	1.5	1.1	0.9	0.9	0.8	0.8	1.7
White, non-Hispanic	1.2	2.2	2.0	1.4	1.1	0.9	0.8	0.8	0.8	1.6
Black, total	3.1	5.2	4.0	3.4	2.7	2.3	2.0	1.8	1.7	4.1
Black, non-Hispanic	3.1	5.3	4.1	3.4	2.7	2.3	2.0	1.7	1.7	4.1
Hispanic ⁴	1.5	2.5	1.9	1.7	1.3	1.1	1.1	0.9	1.0	1.9

¹ Expressed in completed weeks.² Includes births with period of gestation not stated.³ Includes races other than white and black and origin not stated.⁴ Persons of Hispanic origin may be 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 specified race of mother, by place of birth of mother: United States, 1996

Characteristic	All races	White	Black	American Indian ¹	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
All Births										
Mother										
Prenatal care beginning in the first trimester	81.9	84.0	71.4	67.7	81.2	86.8	89.3	78.5	82.5	78.4
Late or no prenatal care	4.0	3.3	7.3	8.6	3.9	2.5	2.2	5.0	3.3	4.6
Smoker ²	13.6	14.7	10.2	21.3	3.3	0.7	4.8	15.3	3.5	2.7
Drinker ³	1.4	1.3	2.0	4.0	0.4	0.2	0.8	1.3	0.4	0.4
Weight gain of less than 16 lbs ⁴	11.1	10.0	16.8	15.1	9.2	6.3	9.6	8.4	7.0	10.6
Median weight gain ⁴	30.4	30.6	29.1	30.1	30.0	30.2	27.0	32.0	30.5	29.2
Cesarean delivery rate	20.7	20.6	21.7	18.1	18.6	19.0	16.9	16.0	22.3	17.5
Infant										
Preterm births ⁵	11.0	9.8	17.4	11.9	10.0	7.4	8.2	11.5	11.5	10.4
Birthweight										
Very low birthweight ⁶	1.4	1.1	3.0	1.2	1.0	0.6	0.8	1.0	1.2	1.0
Low birthweight ⁷	7.4	6.3	13.0	6.5	7.1	5.0	7.3	6.8	7.9	7.4
4,000 grams or more ⁸	10.2	11.4	5.4	12.3	6.0	6.6	5.3	8.4	6.3	5.7
5-minute Apgar score of less than 7 ⁹ ..	1.4	1.2	2.5	1.4	1.0	0.7	0.7	1.2	1.1	1.1
Births to mothers born in the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	83.5	86.3	71.2	67.5	82.4	91.7	91.2	78.5	81.1	78.4
Late or no prenatal care	3.5	2.6	7.4	8.6	3.8	1.6	1.9	5.0	3.5	4.8
Smoker ²	15.5	16.5	11.1	21.8	10.5	4.2	6.2	15.5	8.6	10.1
Drinker ³	1.5	1.4	2.1	4.1	1.1	*	*	1.3	*	1.5
Weight gain of less than 16 lbs ⁴	11.0	9.7	17.2	15.2	8.2	6.4	8.2	8.5	7.6	8.8
Median weight gain ⁴	30.5	30.7	29.0	30.2	30.7	30.4	29.8	32.0	30.8	30.7
Cesarean delivery rate	20.9	20.8	21.6	18.0	17.0	17.6	19.8	16.1	16.2	16.6
Infant										
Preterm births ⁵	11.1	9.7	17.8	11.9	10.7	9.2	9.3	11.5	11.1	11.0
Birthweight										
Very low birthweight ⁶	1.4	1.1	3.0	1.2	1.1	1.1	0.7	1.0	1.5	1.2
Low birthweight ⁷	7.6	6.5	13.4	6.4	7.8	7.3	8.3	6.9	8.6	7.8
4,000 grams or more ⁸	10.5	11.7	5.0	12.5	7.4	7.1	6.3	8.5	5.9	8.4
5-minute Apgar score of less than 7 ⁹ ..	1.5	1.2	2.5	1.4	1.1	*	*	1.2	*	1.3
Births to mothers born outside the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	74.9	73.3	74.7	74.3	81.0	86.3	87.8	77.1	82.8	78.4
Late or no prenatal care	6.1	6.7	6.4	8.0	3.9	2.5	2.4	*	3.2	4.6
Smoker ²	3.1	3.6	2.0	6.3	1.9	0.4	3.6	*	2.4	2.0
Drinker ³	0.6	0.6	0.5	*	0.3	0.1	1.0	*	0.3	0.3
Weight gain of less than 16 lbs ⁴	11.9	12.3	13.2	12.1	9.4	6.3	10.6	*	6.9	10.7
Median weight gain ⁴	29.6	29.5	30.0	29.8	29.5	30.2	25.8	30.8	30.4	28.9
Cesarean delivery rate	19.7	19.5	23.4	19.2	18.9	19.1	14.4	*	23.5	17.6
Infant										
Preterm births ⁵	10.3	10.0	13.5	11.3	9.9	7.2	7.4	*	11.6	10.4
Birthweight										
Very low birthweight ⁶	1.1	1.0	2.4	1.6	1.0	0.6	0.9	*	1.1	1.0
Low birthweight ⁷	6.2	5.7	9.2	7.4	6.9	4.8	6.4	*	7.8	7.4
4,000 grams or more ⁸	9.1	10.0	8.5	8.0	5.8	6.5	4.5	*	6.4	5.4
5-minute Apgar score of less than 7 ⁹ ..	1.2	1.1	1.9	*	1.0	0.6	*	*	1.2	1.0

* Figure does not meet standards of reliability or precision.

1 Includes births to Aleuts and Eskimos.

2 Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not report tobacco use on the birth certificate.

3 Excludes data for California and South Dakota, which did not report alcohol use on the birth certificate.

4 Excludes data for California, which did not report weight gain on the birth certificate. Median weight shown in pounds.

5 Born prior to 37 completed weeks of gestation.

6 Birthweight of less than 1,500 grams (3 lb 4 oz).

7 Birthweight of less than 2,500 grams (5 lb 8 oz).

8 Equivalent to 8 lb 14 oz.

9 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 the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1996

Characteristic	All origins ¹	Origin of mother								
		Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
All Births										
Mother										
Prenatal care beginning in the first trimester	81.9	72.2	70.7	75.0	89.2	75.0	74.6	84.0	87.4	71.5
Late or no prenatal care	4.0	6.7	7.2	5.7	1.6	5.5	5.9	3.4	2.4	7.3
Smoker ³	13.6	4.3	3.1	11.0	4.7	1.8	9.1	15.1	16.9	10.3
Drinker ⁴	1.4	0.7	0.6	1.1	0.4	0.4	1.7	1.5	1.4	2.0
Weight gain of less than 16 lbs ⁵	11.1	13.4	14.7	12.4	7.2	10.9	13.2	10.8	9.4	16.9
Median weight gain ⁵	30.4	29.6	28.4	30.4	31.3	30.2	30.1	30.5	30.7	29.0
Cesarean delivery rate	20.7	20.0	19.4	20.8	30.3	21.3	19.9	20.8	20.8	21.7
Infant										
Preterm births ⁶	11.0	10.9	10.5	13.2	10.3	10.9	12.0	11.0	9.5	17.5
Birthweight										
Very low birthweight ⁷	1.4	1.1	1.0	1.7	1.3	1.1	1.5	1.4	1.1	3.0
Low birthweight ⁸	7.4	6.3	5.9	9.2	6.5	6.0	7.7	7.6	6.4	13.1
4,000 grams or more ⁹	10.2	9.0	9.3	7.0	9.7	9.2	7.7	10.5	12.1	5.3
5-minute Apgar score of less than 7 ¹⁰ ...	1.4	1.2	1.2	1.4	0.8	1.0	1.4	1.5	1.2	2.5
Births to mothers born in the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	83.5	75.4	75.0	75.4	89.1	79.6	74.7	84.3	87.5	71.2
Late or no prenatal care	3.5	5.2	5.2	5.5	1.7	3.8	5.7	3.3	2.3	7.4
Smoker ³	15.5	7.7	5.7	12.6	5.6	5.7	11.1	16.1	17.3	11.1
Drinker ⁴	1.5	1.2	1.0	1.1	0.7	1.2	2.2	1.6	1.4	2.1
Weight gain of less than 16 lbs ⁵	11.0	12.5	13.1	11.7	6.6	8.5	13.2	10.9	9.4	17.3
Median weight gain ⁵	30.5	28.6	28.4	30.4	31.3	30.2	30.1	30.5	30.7	29.0
Cesarean delivery rate	20.9	20.6	20.8	20.5	25.6	18.6	19.8	20.9	20.9	21.6
Infant										
Preterm births ⁶	11.1	11.7	11.4	12.8	9.5	10.7	12.2	11.1	9.5	17.8
Birthweight										
Very low birthweight ⁷	1.4	1.3	1.2	1.7	1.2	1.3	1.5	1.4	1.1	3.0
Low birthweight ⁸	7.6	7.2	6.7	9.1	6.2	6.1	8.2	7.7	6.4	13.4
4,000 grams or more ⁹	10.5	8.2	8.5	7.0	9.5	8.6	7.4	10.7	12.1	5.0
5-minute Apgar score of less than 7 ¹⁰ ...	1.5	1.2	1.2	1.3	0.7	1.0	1.4	1.5	1.2	2.5
Births to mothers born outside the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	74.9	70.3	68.1	74.4	89.3	74.6	74.8	81.4	84.3	75.5
Late or no prenatal care	6.1	7.5	8.4	6.0	1.5	5.6	6.4	4.2	3.6	6.2
Smoker ³	3.1	1.9	1.1	8.5	4.1	1.5	2.3	4.4	8.0	1.9
Drinker ⁴	0.6	0.4	0.3	1.0	0.3	0.4	0.4	0.7	1.3	0.5
Weight gain of less than 16 lbs ⁵	11.9	14.0	16.0	13.3	7.6	11.2	13.1	9.7	8.1	13.4
Median weight gain ⁵	29.6	28.3	26.6	30.1	30.9	30.1	28.9	30.2	30.6	30.0
Cesarean delivery rate	19.7	19.6	18.6	21.2	33.1	21.5	20.4	19.8	19.3	23.4
Infant										
Preterm births ⁶	10.3	10.4	10.0	13.6	10.8	10.9	11.0	10.1	8.6	13.8
Birthweight										
Very low birthweight ⁷	1.1	1.0	0.9	1.7	1.4	1.1	1.1	1.2	1.0	2.5
Low birthweight ⁸	6.2	5.7	5.3	9.4	6.6	6.0	5.7	6.9	5.8	9.4
4,000 grams or more ⁹	9.1	9.6	9.9	7.1	9.8	9.2	8.6	8.3	11.4	8.4
5-minute Apgar score of less than 7 ¹⁰ ...	1.2	1.1	1.2	1.5	0.8	1.0	1.2	1.2	1.0	2.0

¹ Includes origin not stated.
² Includes races other than white and black.
³ Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not report tobacco use on the birth certificate.
⁴ Excludes data for California and South Dakota, which did not report alcohol use on the birth certificate.
⁵ Excludes data for California, which did not report weight gain on the birth certificate. Median weight gain shown in pounds.
⁶ Born prior to 37 completed weeks of gestation.
⁷ Birthweight of less than 1,500 grams (3 lb 4 oz).
⁸ Birthweight of less than 2,500 grams (5 lb 8 oz).
⁹ Equivalent to 8 lb 14 oz.
¹⁰ Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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, 1996

[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 ¹	Medical risk factor reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races²										
Anemia	3,891,494	75,400	19.6	28.5	23.7	17.5	15.2	15.2	16.3	51,830
Cardiac disease	3,891,494	19,226	5.0	3.1	3.6	4.9	6.3	7.3	8.8	51,830
Acute or chronic lung disease	3,891,494	32,006	8.3	11.3	9.3	7.5	7.0	7.6	8.4	51,830
Diabetes	3,891,494	100,645	26.3	8.6	16.5	25.8	34.4	47.4	64.5	51,830
Genital herpes ³	3,561,088	31,795	9.1	6.4	7.8	8.9	10.3	12.0	13.0	48,599
Hydramnios/Oligohydramnios	3,891,494	47,824	12.5	13.9	12.8	11.5	11.7	13.3	16.7	51,830
Hemoglobinopathy	3,891,494	2,979	0.8	1.1	0.9	0.7	0.6	0.7	0.7	51,830
Hypertension, chronic	3,891,494	26,221	6.8	2.4	4.1	6.0	8.5	13.9	24.5	51,830
Hypertension, pregnancy-associated	3,891,494	137,724	35.9	42.1	35.9	34.5	32.7	36.7	46.4	51,830
Eclampsia	3,891,494	13,591	3.5	5.3	3.9	3.1	2.8	3.3	4.4	51,830
Incompetent cervix	3,891,494	9,817	2.6	1.1	1.9	2.6	3.2	4.1	4.4	51,830
Previous infant 4000+ grams	3,891,494	42,170	11.0	1.4	6.4	11.5	15.9	19.3	22.9	51,830
Previous preterm or small-for-gestational-age infant	3,891,494	44,875	11.7	5.0	11.7	12.0	13.1	15.0	17.2	51,830
Renal disease ⁴	3,831,006	10,372	2.7	3.3	3.2	2.7	2.3	2.2	2.5	52,640
Rh sensitization ⁵	3,854,843	24,396	6.4	5.2	6.0	6.6	6.9	7.3	6.8	53,060
Uterine bleeding ³	3,561,088	25,671	7.3	5.3	6.3	7.4	8.1	9.2	10.2	48,599
White										
Anemia	3,093,057	51,039	16.7	24.3	19.8	15.2	13.5	13.7	14.5	42,372
Cardiac disease	3,093,057	16,109	5.3	3.0	3.6	5.3	6.6	7.6	9.4	42,372
Acute or chronic lung disease	3,093,057	24,640	8.1	10.7	8.8	7.4	7.1	7.6	8.3	42,372
Diabetes	3,093,057	78,249	25.6	8.8	16.5	25.0	32.3	44.1	60.3	42,372
Genital herpes ³	2,811,247	25,488	9.2	5.7	7.1	8.8	11.0	13.1	14.8	39,542
Hydramnios/Oligohydramnios	3,093,057	36,264	11.9	13.1	12.4	10.9	11.3	12.7	15.9	42,372
Hemoglobinopathy	3,093,057	981	0.3	0.3	0.3	0.3	0.3	0.4	0.5	42,372
Hypertension, chronic	3,093,057	18,134	5.9	2.1	3.6	5.4	7.2	11.4	19.4	42,372
Hypertension, pregnancy-associated	3,093,057	110,492	36.2	42.4	36.9	35.3	32.9	36.1	45.8	42,372
Eclampsia	3,093,057	10,072	3.3	4.7	3.6	3.0	2.7	3.1	4.2	42,372
Incompetent cervix	3,093,057	7,043	2.3	1.0	1.6	2.2	2.9	3.9	4.2	42,372
Previous infant 4000+ grams	3,093,057	38,111	12.5	1.5	7.0	12.7	17.6	21.5	25.9	42,372
Previous preterm or small-for-gestational-age infant	3,093,057	34,242	11.2	4.4	10.8	11.4	12.8	14.6	16.8	42,372
Renal disease ⁴	3,052,835	8,620	2.9	3.6	3.4	2.8	2.4	2.3	2.7	43,122
Rh sensitization ⁵	3,060,288	22,024	7.3	6.2	6.8	7.4	7.7	8.3	7.8	43,469
Uterine bleeding ³	2,811,247	21,195	7.6	5.8	6.6	7.7	8.3	9.4	10.6	39,542
Black										
Anemia	594,781	19,881	33.8	37.9	37.8	31.1	28.2	26.2	26.7	6,765
Cardiac disease	594,781	2,554	4.3	3.4	4.0	3.9	5.6	6.6	8.1	6,765
Acute or chronic lung disease	594,781	6,348	10.8	13.1	11.8	9.2	8.5	9.1	11.8	6,765
Diabetes	594,781	14,568	24.8	7.7	15.7	27.6	42.0	58.5	80.2	6,765
Genital herpes ³	555,925	5,464	9.9	8.4	11.4	11.2	8.9	7.2	8.0	6,557
Hydramnios/Oligohydramnios	594,781	9,140	15.5	16.1	14.7	14.7	15.9	17.5	23.3	6,765
Hemoglobinopathy	594,781	1,844	3.1	3.2	3.5	3.2	2.6	2.7	2.5	6,765
Hypertension, chronic	594,781	7,094	12.1	3.3	6.6	11.6	20.5	35.2	63.6	6,765
Hypertension, pregnancy-associated	594,781	22,099	37.6	41.9	33.6	34.9	37.4	45.3	57.5	6,765
Eclampsia	594,781	2,941	5.0	6.8	4.7	4.0	4.4	4.9	6.4	6,765
Incompetent cervix	594,781	2,465	4.2	1.5	3.1	5.5	7.0	6.7	6.6	6,765
Previous infant 4000+ grams	594,781	2,657	4.5	1.0	3.6	5.7	7.4	8.5	9.5	6,765
Previous preterm or small-for-gestational-age infant	594,781	8,748	14.9	6.6	15.8	18.0	18.1	19.1	21.4	6,765
Renal disease ⁴	575,206	1,335	2.3	2.4	2.7	2.2	2.0	1.9	2.5	6,819
Rh sensitization ⁵	592,015	1,967	3.4	3.2	3.3	3.2	3.8	3.7	3.6	6,867
Uterine bleeding ³	555,925	3,227	5.9	4.4	5.3	6.4	7.1	7.8	7.4	6,557

¹ Total number of births to residents of areas reporting specified medical risk factor.

² Includes races other than white and black.

³ Texas does not report this risk factor.

⁴ Alabama does not report this risk factor.

⁵ Kansas does not report this risk factor.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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 specified race of mother: United States, 1996

[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, and obstetric procedure	All races	White	Black	American Indian ¹	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
Number										
Medical risk factors										
Anemia	75,400	51,039	19,881	1,788	2,692	280	132	211	456	1,613
Diabetes	100,845	78,249	14,568	1,717	6,311	1,231	226	166	1,272	3,416
Hypertension, pregnancy-associated	137,724	110,492	22,099	1,902	3,231	366	165	170	870	1,660
Uterine bleeding ²	25,671	21,195	3,227	299	950	171	85	59	187	448
Complications of labor and/or delivery										
Meconium, moderate/heavy	223,536	163,798	48,020	2,266	9,452	1,552	349	384	1,980	5,187
Premature rupture of membrane	113,112	86,973	19,710	1,608	4,821	842	349	219	909	2,502
Dysfunctional labor	105,749	85,113	15,076	1,295	4,265	752	297	220	768	2,228
Breech/Malpresentation	146,431	121,992	17,526	1,355	5,558	951	344	245	1,091	2,927
Cephalopelvic disproportion	90,105	73,728	11,344	771	4,262	806	218	157	953	2,128
Fetal distress ³	147,814	111,299	29,961	1,272	5,282	818	205	169	1,008	3,082
Obstetric procedures										
Amniocentesis	124,711	106,391	10,722	824	6,774	1,834	795	234	1,310	2,601
Electronic fetal monitoring	3,184,945	2,540,938	487,391	29,711	126,905	21,944	6,995	4,781	23,462	69,723
Induction of labor	653,877	554,925	73,716	6,419	18,817	3,020	1,171	965	3,256	10,405
Ultrasound ⁴	2,457,576	1,992,208	344,461	22,605	98,302	17,349	6,028	3,839	18,788	52,298
Stimulation of labor	652,196	529,023	91,358	5,555	26,260	4,721	1,426	781	4,226	15,106
Rate										
Medical risk factors										
Anemia	19.6	16.7	33.8	48.3	16.4	9.9	14.9	35.9	14.7	17.9
Diabetes	26.3	25.6	24.8	46.4	38.5	43.6	25.6	28.2	41.1	37.9
Hypertension, pregnancy-associated	35.9	36.2	37.6	51.4	19.7	13.0	18.7	28.9	28.1	18.4
Uterine bleeding ²	7.3	7.6	5.9	8.3	6.1	6.3	9.9	10.1	6.3	5.3
Complications of labor and/or delivery										
Meconium, moderate/heavy	58.1	53.6	81.5	61.1	57.5	54.9	39.5	65.2	63.9	57.4
Premature rupture of membrane	29.4	28.4	33.4	43.4	29.3	29.8	39.5	37.2	29.3	27.7
Dysfunctional labor	27.5	27.8	25.6	34.9	25.9	26.6	33.6	37.3	24.8	24.7
Breech/Malpresentation	38.0	39.9	29.7	36.6	33.8	33.6	38.9	41.6	35.2	32.4
Cephalopelvic disproportion	23.4	24.1	19.2	20.8	25.9	28.5	24.7	26.7	30.7	23.5
Fetal distress ³	42.0	40.1	54.4	35.1	34.0	30.3	23.8	29.0	33.7	36.7
Obstetric procedures										
Amniocentesis	32.3	34.7	18.2	22.2	41.1	64.7	89.8	39.7	42.2	28.7
Electronic fetal monitoring	825.3	828.6	825.1	799.2	770.4	773.7	789.8	810.2	756.1	769.8
Induction of labor	169.4	181.0	124.8	172.7	114.2	106.5	132.2	163.5	104.9	114.9
Ultrasound ⁴	638.7	651.5	585.6	608.4	597.6	612.3	681.2	651.0	606.0	578.4
Stimulation of labor	169.0	172.5	154.7	149.4	159.4	166.5	161.0	132.4	136.2	166.8

¹ Includes births to Aleuts and Eskimos.

² Texas does not report this risk factor.

³ Texas does not report this complication.

⁴ Delaware does not report this procedure.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1996

[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, and obstetric procedure	All origins ¹	Origin of mother								
		Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
Medical risk factors										
Anemia	75,400	13,086	8,269	1,576	248	1,564	1,429	60,946	37,296	19,376
Diabetes	100,845	17,094	11,169	1,790	304	2,592	1,239	82,045	60,239	14,013
Hypertension, pregnancy-associated	137,724	18,599	12,436	1,480	373	2,678	1,632	117,210	90,765	21,508
Uterine bleeding ³	25,671	2,732	1,564	358	57	490	263	22,435	18,123	3,137
Complications of labor and/or delivery										
Meconium, moderate/heavy	223,536	41,368	27,373	3,746	566	6,909	2,774	178,978	121,146	46,532
Premature rupture of membrane	113,112	13,807	8,024	1,701	350	2,312	1,420	96,901	71,677	19,050
Dysfunctional labor	105,749	15,611	8,834	1,771	578	2,809	1,619	87,138	67,362	14,426
Breech/Malpresentation	146,431	20,679	13,763	1,818	510	2,976	1,612	123,454	99,799	16,976
Cephalopelvic disproportion	90,105	12,378	8,665	984	238	1,607	884	76,620	60,660	11,091
Fetal distress ⁴	147,814	19,589	11,828	2,225	378	3,549	1,609	125,878	90,343	29,194
Obstetric procedures										
Amniocentesis	124,711	10,240	5,114	1,360	360	2,332	1,074	110,958	93,258	10,332
Electronic fetal monitoring	3,184,945	532,841	361,613	46,789	11,014	75,728	37,697	2,608,232	1,983,272	473,717
Induction of labor	653,877	77,744	50,990	6,918	2,420	10,424	6,992	564,298	468,389	71,663
Ultrasound ⁵	2,457,576	363,733	241,719	34,334	7,715	50,644	29,321	2,055,041	1,604,056	334,490
Stimulation of labor	652,196	105,099	70,023	10,276	2,177	15,214	7,409	535,806	416,556	88,489
Rate										
Medical risk factors										
Anemia	19.6	18.8	17.0	29.5	19.8	16.2	31.3	19.7	16.0	33.9
Diabetes	26.3	24.6	22.9	33.5	24.2	26.8	27.2	26.5	25.9	24.5
Hypertension, pregnancy-associated	35.9	26.8	25.5	27.7	29.7	27.7	35.8	37.9	39.0	37.6
Uterine bleeding ³	7.3	4.9	4.4	6.8	4.6	5.5	6.7	7.7	8.3	5.9
Complications of labor and/or delivery										
Meconium, moderate/heavy	58.1	59.3	56.0	70.1	45.1	71.2	60.6	57.8	52.0	81.1
Premature rupture of membrane	29.4	19.8	16.4	31.8	27.9	23.8	31.0	31.3	30.8	33.2
Dysfunctional labor	27.5	22.4	18.1	33.2	46.0	28.9	35.4	28.1	28.9	25.2
Breech/Malpresentation	38.0	29.7	28.2	34.0	40.6	30.7	35.2	39.8	42.8	29.6
Cephalopelvic disproportion	23.4	17.8	17.7	18.4	18.9	16.6	19.3	24.7	26.0	19.3
Fetal distress ⁴	42.0	35.4	32.9	42.4	30.7	39.4	41.1	43.3	41.2	54.6
Obstetric procedures										
Amniocentesis	32.3	14.7	10.5	25.4	28.6	24.0	23.4	35.7	39.9	18.0
Electronic fetal monitoring	825.3	763.5	740.0	872.2	876.5	779.1	822.4	839.3	848.2	824.5
Induction of labor	169.4	111.4	104.3	129.0	192.6	107.2	152.5	181.6	200.3	124.7
Ultrasound ⁵	638.7	521.7	494.9	643.1	614.1	521.6	640.0	663.5	688.3	584.6
Stimulation of labor	169.0	150.6	143.3	191.6	173.2	156.5	161.6	172.4	178.1	154.0

¹ Includes origin not stated.
² Includes races other than white and black.
³ Texas does not report this risk factor.
⁴ Texas does not report this complication.
⁵ Delaware does not report this procedure.

NOTE: Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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 46 reporting States, the District of Columbia, and New York City, 1996

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	40-49 years
			Total	15-17 years	18-19 years					
Number										
All races¹										
Total	3,117,068	9,252	404,128	153,003	251,125	767,447	859,364	710,346	310,239	56,292
Smoker	418,280	705	68,542	23,276	45,266	127,031	104,257	76,388	35,787	5,570
Nonsmoker	2,649,899	8,422	330,076	127,672	202,406	629,421	741,462	622,014	268,937	49,565
Not stated	48,889	125	5,508	2,055	3,453	10,995	13,645	11,944	5,515	1,157
White										
Total	2,449,057	4,150	273,392	97,144	176,248	576,829	700,767	591,857	256,455	45,607
Smoker	354,854	536	59,582	19,972	39,610	110,094	88,820	62,771	28,683	4,368
Nonsmoker	2,056,100	3,555	209,962	75,810	134,152	458,488	601,032	519,428	223,293	40,342
Not stated	38,103	59	3,848	1,362	2,486	8,247	10,915	9,658	4,479	897
Black										
Total	135,145	304	12,095	4,681	7,414	28,093	40,148	35,476	15,664	3,365
Smoker	9,966	30	1,961	765	1,196	3,191	2,307	1,632	716	129
Nonsmoker	122,258	261	9,826	3,797	6,029	24,293	37,021	33,105	14,608	3,144
Not stated	2,921	13	308	119	189	609	820	739	340	92
Percent										
Smoker ¹	13.6	7.7	17.2	15.4	18.3	16.8	12.3	10.9	11.7	10.1
White	14.7	13.1	22.1	20.9	22.8	19.4	12.9	10.8	11.4	9.8
Black	10.2	2.9	6.0	5.0	6.7	8.6	11.3	14.7	17.1	15.0
Percent distribution										
All races¹										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	26.2	51.1	33.9	37.5	32.1	26.3	24.0	23.8	23.0	21.4
6-10 cigarettes	40.4	32.6	41.9	41.3	42.3	41.9	40.5	38.8	36.8	35.4
11-15 cigarettes	6.4	*	4.6	4.1	4.8	6.0	6.9	7.4	7.4	7.3
16-20 cigarettes	22.7	12.7	17.2	15.2	18.2	22.2	24.0	24.7	26.2	27.9
21-30 cigarettes	2.9	*	1.6	1.3	1.8	2.5	3.2	3.6	4.4	4.8
31-40 cigarettes	1.1	*	0.6	0.4	0.7	0.9	1.1	1.5	2.0	2.9
41 cigarettes or more	0.2	*	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4
White										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	23.5	45.0	30.9	34.2	29.2	23.5	21.4	21.2	20.3	19.1
6-10 cigarettes	40.7	36.4	43.3	43.1	43.4	42.4	40.6	38.1	35.7	33.6
11-15 cigarettes	6.9	*	4.9	4.4	5.1	6.5	7.5	8.2	8.2	8.4
16-20 cigarettes	24.2	14.1	18.4	16.3	19.4	23.8	25.6	26.6	28.3	29.8
21-30 cigarettes	3.2	*	1.8	1.4	2.0	2.7	3.5	4.0	5.1	5.5
31-40 cigarettes	1.2	*	0.6	0.4	0.7	0.9	1.2	1.6	2.2	3.3
41 cigarettes or more	0.2	*	0.1	0.1	0.1	0.2	0.2	0.2	0.3	*
Black										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	39.0	*	47.5	52.0	44.8	39.7	36.8	33.6	32.7	30.9
6-10 cigarettes	38.0	*	36.8	33.7	38.7	39.8	38.6	37.0	35.9	33.6
11-15 cigarettes	4.9	*	3.3	3.3	3.3	4.2	6.1	6.3	5.6	*
16-20 cigarettes	15.5	*	10.9	9.9	11.5	14.1	15.8	19.8	21.2	28.2
21-30 cigarettes	1.8	*	*	*	*	1.4	2.2	2.3	3.5	*
31-40 cigarettes	0.6	*	*	*	*	*	*	*	*	*
41 cigarettes or more	*	*	*	*	*	*	*	*	*	*

* Figure does not meet standards of reliability or precision.
¹ Includes races other than white and black.

NOTES: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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 46 reporting States, the District of Columbia, and New York City, 1996

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	40-49 years
							Total	15-17 years	18-19 years					
All origins ¹	3,117,068	418,280	2,649,899	48,889	13.6	7.7	17.2	15.4	18.3	16.8	12.3	10.9	11.7	10.1
Hispanic	431,574	18,478	408,212	4,884	4.3	3.4	5.0	5.0	5.0	4.3	3.9	4.2	4.9	4.7
Mexican	267,473	8,222	257,468	1,783	3.1	3.0	3.6	3.8	3.5	2.9	2.7	3.2	3.7	3.9
Puerto Rican	50,118	5,367	43,439	1,312	11.0	*	10.1	9.0	10.9	11.6	11.1	10.7	12.1	10.3
Cuban	11,658	539	11,051	68	4.7	*	6.1	*	6.6	4.8	3.9	4.1	6.6	*
Central and South American	66,915	1,211	64,786	918	1.8	*	2.0	2.2	2.0	1.6	1.5	2.0	2.5	3.0
Other and unknown Hispanic	35,410	3,139	31,468	803	9.1	*	9.6	9.3	9.9	9.6	8.4	8.5	9.3	8.6
Non-Hispanic ²	2,655,953	395,695	2,220,401	39,857	15.1	8.9	20.0	18.1	21.2	19.4	13.6	11.7	12.5	10.7
White	2,006,908	333,703	1,643,152	30,053	16.9	21.5	28.6	28.2	28.7	23.8	14.5	11.7	12.2	10.5
Black	519,105	52,566	459,361	7,178	10.3	2.9	5.9	5.0	6.7	8.6	11.4	15.0	17.3	15.3

* Figure does not meet standards of reliability or precision.

¹ Includes origin not stated.

² Includes races other than white and black.

NOTES: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated 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 of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996

Smoking measure, and race of mother	Total	Years of school completed by mother					
		0-8 years	9-11 years	12 years	13-15 years	16 years or more	Not Stated
All births							
All races ¹	3,117,068	150,203	493,234	1,048,303	686,019	693,982	45,327
White	2,449,057	125,544	342,760	800,506	544,491	604,043	31,713
Black	532,866	17,495	132,675	205,683	115,484	51,564	9,965
Percent							
Smoker ¹	13.6	12.3	26.0	17.5	10.3	2.6	13.1
White	14.7	13.0	30.1	19.8	11.3	2.7	13.6
Black	10.2	9.8	16.1	10.1	6.7	2.6	14.2
Percent distribution							
All races ¹							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	66.7	61.5	66.2	66.0	68.7	74.0	67.5
11-20 cigarettes	29.1	31.6	29.1	29.9	27.8	23.3	27.6
21 cigarettes or more	4.3	7.0	4.7	4.0	3.5	2.7	4.9
White							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	64.2	59.3	62.8	63.7	66.8	73.2	64.1
11-20 cigarettes	31.2	33.2	31.9	31.9	29.4	23.9	30.3
21 cigarettes or more	4.6	7.5	5.3	4.4	3.8	2.9	5.6
Black							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	81.2	78.3	80.7	81.7	82.7	82.4	76.4
11-20 cigarettes	16.7	18.6	16.9	16.4	15.7	16.3	20.4
21 cigarettes or more	2.1	3.1	2.4	1.9	1.6	*	3.2

* Figure does not meet standards of reliability or precision.
¹ Includes races other than white and black.

NOTES: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

Smoking status 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	40-49 years
			Total	15-17 years	18-19 years					
All races ¹										
Total	7.6	13.5	9.7	10.4	9.2	7.7	6.7	7.0	8.4	9.8
Smoker	12.1	16.7	11.2	11.6	10.9	10.4	11.6	13.6	17.0	19.2
Nonsmoker	6.9	13.2	9.3	10.2	8.7	7.1	6.0	6.2	7.2	8.7
Not stated	9.8	*	12.7	13.5	12.2	9.7	8.7	9.3	10.6	12.4
White, total										
Total	6.5	11.1	8.2	8.9	7.8	6.5	5.8	6.1	7.2	8.5
Smoker	10.7	16.4	10.6	11.0	10.5	9.7	10.2	11.4	14.3	16.5
Nonsmoker	5.7	10.3	7.4	8.2	6.9	5.7	5.1	5.4	6.3	7.6
Not stated	8.6	*	11.5	12.6	10.9	8.7	7.6	7.8	9.5	10.5
White, non-Hispanic										
Total	6.4	11.7	8.2	8.8	7.9	6.5	5.8	6.0	7.1	8.3
Smoker	10.6	16.7	10.6	11.1	10.4	9.6	10.1	11.2	14.2	16.4
Nonsmoker	5.6	10.2	7.2	7.8	6.8	5.5	5.0	5.3	6.1	7.4
Not stated	8.3	*	11.3	11.5	11.2	8.2	7.4	7.5	9.5	9.3
Black, total										
Total	13.1	15.8	13.2	13.6	12.9	12.0	12.4	13.9	16.3	18.2
Smoker	21.9	19.9	16.1	16.6	15.8	17.1	22.0	25.8	29.3	31.7
Nonsmoker	12.0	15.6	13.0	13.4	12.7	11.5	11.1	11.8	13.6	15.7
Not stated	16.3	*	16.6	16.3	16.9	14.2	16.1	17.5	18.7	21.7
Black, non-Hispanic										
Total	13.2	15.8	13.3	13.7	13.0	12.1	12.5	14.1	16.5	18.3
Smoker	22.0	19.8	16.1	16.6	15.9	17.2	22.1	25.9	29.2	31.8
Nonsmoker	12.1	15.7	13.1	13.5	12.8	11.6	11.2	12.0	13.7	15.8
Not stated	16.4	*	16.9	16.4	17.3	14.2	16.2	17.3	19.2	22.4
Hispanic ²										
Total	6.8	10.5	8.1	9.1	7.5	6.5	5.8	6.7	8.2	9.6
Smoker	12.4	*	10.7	10.9	10.6	11.0	12.4	14.4	17.3	17.4
Nonsmoker	6.4	10.3	7.9	8.9	7.2	6.1	5.5	6.2	7.6	9.0
Not stated	10.4	*	12.4	15.3	10.2	10.8	9.2	10.1	9.6	14.3

* Figure does not meet standards of reliability or precision.
¹ Includes races other than white and black and origin not stated.
² Persons of Hispanic origin may be of any race.

NOTE: Excludes data for California, Indiana, New York State (but includes New York City), 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, 1996

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 ¹	3,891,494	3,102,972	2,351,222	751,750	536,402	151,302	106,759	44,543	100,818	81.9	4.0
Under 15 years	11,148	5,063	2,952	2,111	3,959	1,651	1,159	492	475	47.4	15.5
15-19 years	491,577	320,094	210,384	109,710	122,329	34,726	25,366	9,360	14,428	67.1	7.3
15 years	28,540	15,593	9,534	6,059	9,000	2,941	2,111	830	1,006	56.6	10.7
16 years	60,287	36,017	22,462	13,555	17,181	5,195	3,834	1,361	1,894	61.7	8.9
17 years	96,894	62,038	40,147	21,891	24,966	7,002	5,091	1,911	2,888	66.0	7.4
18 years	135,059	88,913	58,831	30,082	33,067	9,168	6,740	2,428	3,911	67.8	7.0
19 years	170,797	117,533	79,410	38,123	38,115	10,420	7,590	2,830	4,729	70.8	6.3
20-24 years	945,210	704,976	508,087	196,889	168,042	46,825	33,888	12,937	25,367	76.6	5.1
25-29 years	1,071,287	895,028	697,509	197,519	117,865	32,810	22,934	9,876	25,584	85.6	3.1
30-34 years	897,913	776,044	616,943	159,101	78,142	21,887	14,695	7,192	21,840	88.6	2.5
35-39 years	399,510	340,757	268,447	72,310	37,345	10,712	6,945	3,767	10,696	87.6	2.8
40 years and over	74,849	61,010	46,900	14,110	8,720	2,691	1,772	919	2,428	84.2	3.7
White, total	3,093,057	2,541,849	1,945,679	596,170	383,106	100,212	74,080	26,132	67,890	84.0	3.3
Under 15 years	5,526	2,759	1,645	1,114	1,776	781	550	231	210	51.9	14.7
15-19 years	344,685	233,463	154,153	79,310	80,636	21,926	16,520	5,406	8,660	69.5	6.5
15 years	16,978	9,930	6,144	3,786	4,954	1,609	1,173	436	485	60.2	9.8
16 years	39,401	24,697	15,547	9,150	10,450	3,159	2,411	748	1,095	64.5	8.2
17 years	66,997	44,644	29,008	15,636	16,240	4,432	3,338	1,094	1,681	68.4	6.8
18 years	96,246	65,541	43,504	22,037	22,407	5,874	4,435	1,439	2,424	69.9	6.3
19 years	125,063	88,651	59,950	28,701	26,585	6,852	5,163	1,689	2,975	72.6	5.6
20-24 years	726,669	556,825	403,456	153,369	121,045	31,891	24,010	7,881	16,908	78.5	4.5
25-29 years	878,449	751,034	590,273	160,761	87,583	22,293	16,485	5,808	17,539	82.2	2.6
30-34 years	747,436	659,551	528,368	131,183	58,144	14,378	10,305	4,073	15,363	90.1	2.0
35-39 years	329,782	287,702	228,513	59,189	27,526	7,078	4,924	2,154	7,476	89.3	2.2
40 years and over	60,510	50,515	39,271	11,244	6,396	1,865	1,266	579	1,734	85.9	3.2
White, non-Hispanic	2,358,989	2,024,891	1,581,949	442,942	238,182	54,570	40,713	13,857	41,346	87.4	2.4
Under 15 years	2,532	1,311	780	531	790	346	245	101	85	53.6	14.1
15-19 years	225,197	160,600	107,408	53,192	48,736	11,382	8,758	2,624	4,479	72.8	5.2
15 years	9,071	5,515	3,446	2,069	2,581	782	576	206	193	62.1	8.8
16 years	23,312	15,245	9,726	5,519	5,921	1,596	1,249	347	550	67.0	7.0
17 years	42,686	29,873	19,570	10,303	9,662	2,308	1,769	539	843	71.4	5.5
18 years	64,290	46,071	30,912	15,159	13,917	3,046	2,365	681	1,256	73.1	4.8
19 years	85,838	63,896	43,754	20,142	16,655	3,650	2,799	851	1,637	75.9	4.3
20-24 years	508,056	409,354	303,034	106,320	72,862	16,496	12,651	3,845	9,344	82.1	3.3
25-29 years	683,376	606,950	486,359	120,591	53,708	11,991	8,899	3,092	10,727	90.2	1.8
30-34 years	616,224	558,562	453,332	105,230	38,619	8,699	6,237	2,462	10,344	92.2	1.4
35-39 years	274,431	245,657	197,534	48,123	19,088	4,464	3,110	1,354	5,222	91.3	1.7
40 years and over	49,173	42,457	33,502	8,955	4,379	1,192	813	379	1,145	88.4	2.5
Black, total	594,781	406,278	291,968	114,310	120,726	41,737	25,249	16,488	26,040	71.4	7.3
Under 15 years	5,193	2,130	1,211	919	2,014	803	563	240	246	43.1	16.2
15-19 years	130,596	77,179	50,432	26,747	36,965	11,232	7,614	3,618	5,220	61.6	9.0
15 years	10,498	5,175	3,109	2,066	3,667	1,181	822	359	475	51.6	11.8
16 years	18,753	10,170	6,272	3,898	6,048	1,810	1,248	562	725	56.4	10.0
17 years	26,775	15,605	10,040	5,565	7,784	2,283	1,527	756	1,103	60.8	8.9
18 years	34,394	20,807	13,745	7,062	9,390	2,879	1,977	902	1,318	62.9	8.7
19 years	40,176	25,422	17,266	8,156	10,076	3,079	2,040	1,039	1,599	65.9	8.0
20-24 years	179,361	121,246	86,166	35,080	38,510	12,474	7,919	4,555	7,131	70.4	7.2
25-29 years	133,204	97,566	72,818	24,748	21,534	8,079	4,523	3,556	6,025	76.7	6.4
30-34 years	94,295	70,374	53,320	17,054	13,541	5,752	2,960	2,792	4,628	78.5	6.4
35-39 years	43,716	31,867	23,767	8,100	6,726	2,808	1,375	1,433	2,315	77.0	6.8
40 years and over	8,416	5,916	4,254	1,662	1,436	589	295	294	475	74.5	7.4

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, 1996 –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	578,099	395,966	284,902	111,064	117,412	40,605	24,350	16,255	24,116	71.5	7.3	
Under 15 years	5,084	2,087	1,188	899	1,969	792	554	238	236	43.0	16.3	
15-19 years	127,616	75,601	49,437	26,164	36,129	10,992	7,419	3,573	4,894	61.6	9.0	
15 years	10,301	5,096	3,064	2,032	3,598	1,152	797	355	455	51.8	11.7	
16 years	18,367	9,982	6,156	3,826	5,918	1,774	1,217	557	693	56.5	10.0	
17 years	26,134	15,269	9,828	5,441	7,599	2,233	1,488	745	1,033	60.8	8.9	
18 years	33,616	20,370	13,475	6,895	9,183	2,625	1,929	896	1,238	62.9	8.7	
19 years	39,198	24,884	16,914	7,970	9,831	3,008	1,988	1,020	1,475	66.0	8.0	
20-24 years	174,958	118,524	84,338	34,186	37,591	12,163	7,662	4,501	6,680	70.4	7.2	
25-29 years	129,002	94,855	70,918	23,937	20,816	7,821	4,317	3,504	5,510	76.8	6.3	
30-34 years	91,050	68,253	51,809	16,444	13,036	5,548	2,806	2,742	4,213	78.6	6.4	
35-39 years	42,279	30,920	23,080	7,840	6,490	2,721	1,310	1,411	2,148	77.0	6.8	
40 years and over	8,110	5,726	4,132	1,594	1,381	568	282	286	435	74.6	7.4	
Hispanic ²	701,339	490,207	341,814	148,393	143,590	45,154	33,263	11,891	22,388	72.2	6.7	
Under 15 years	3,056	1,475	881	594	1,020	439	310	129	122	50.3	15.0	
15-19 years	118,878	72,376	46,401	25,975	32,015	10,543	7,774	2,769	3,944	63.0	9.2	
15 years	7,971	4,455	2,725	1,730	2,403	834	603	231	279	57.9	10.8	
16 years	16,139	9,468	5,848	3,620	4,591	1,562	1,164	398	518	60.6	10.0	
17 years	24,234	14,666	9,353	5,313	6,635	2,131	1,580	551	802	62.6	9.1	
18 years	31,711	19,308	12,469	6,839	8,482	2,819	2,069	750	1,102	63.1	9.2	
19 years	38,823	24,479	16,006	8,473	9,904	3,197	2,358	839	1,243	65.1	8.5	
20-24 years	214,173	144,210	97,962	46,248	47,848	15,281	11,340	3,941	6,834	69.6	7.4	
25-29 years	185,478	136,130	97,328	38,802	33,468	10,166	7,541	2,625	5,714	75.7	5.7	
30-34 years	119,690	91,200	66,825	24,375	19,114	5,576	4,053	1,523	3,800	78.7	4.8	
35-39 years	49,812	37,531	27,295	10,236	8,187	2,509	1,781	728	1,585	77.8	5.2	
40 years and over	10,252	7,285	5,122	2,163	1,938	640	464	176	389	73.9	6.5	

¹ Includes races other than white and black and origin not stated.

² Persons of Hispanic origin may be 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 and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

State	Percent beginning care in first trimester						Percent late ¹ or no care					
	All races ²	White		Black		Hispanic ³	All races ²	White		Black		Hispanic ³
		Total	Non-Hispanic	Total	Non-Hispanic			Total	Non-Hispanic	Total	Non-Hispanic	
United States ⁴	81.9	84.0	87.4	71.4	71.5	72.2	4.0	3.3	2.4	7.3	7.3	6.7
Alabama	81.6	87.8	88.3	68.8	68.8	62.1	3.8	2.3	2.1	6.9	6.9	11.0
Alaska	80.8	83.2	83.8	81.8	82.5	75.5	3.3	2.3	2.2	*	*	3.6
Arizona	73.7	74.8	83.5	69.6	69.7	62.5	7.4	7.0	3.7	9.2	9.2	11.7
Arkansas	74.8	78.7	79.8	61.0	61.1	56.9	6.8	5.1	4.7	12.7	12.7	13.8
California	80.6	80.4	87.1	78.8	78.8	75.5	3.8	3.9	2.4	4.3	4.3	4.9
Colorado	81.4	81.9	86.7	75.5	75.7	66.8	4.5	4.3	2.9	6.5	6.7	8.8
Connecticut	88.2	89.7	91.8	77.1	77.7	77.1	2.3	1.9	1.4	5.1	4.9	4.9
Delaware	83.6	87.0	88.8	72.8	72.9	67.1	3.2	2.3	1.9	6.3	6.2	6.5
District of Columbia	64.6	77.4	87.5	60.0	60.0	60.8	11.8	7.2	5.3	13.5	13.6	10.0
Florida	83.3	86.5	88.3	72.3	72.3	80.5	3.3	2.5	2.0	6.3	6.3	4.0
Georgia	85.2	89.0	90.5	78.0	78.0	73.3	3.2	2.2	1.8	5.0	5.0	7.0
Hawaii	84.2	89.3	89.6	86.4	87.0	83.6	3.5	1.9	1.8	*	*	3.0
Idaho	78.9	79.2	81.7	75.7	77.9	60.0	4.5	4.5	3.6	*	*	10.8
Illinois	81.5	84.7	88.6	68.8	68.7	71.4	4.2	3.0	2.1	8.8	8.8	6.2
Indiana	80.4	82.2	82.8	64.7	64.7	66.8	3.8	3.3	3.1	8.4	8.4	8.1
Iowa	87.1	87.7	88.5	75.0	74.4	69.1	2.5	2.3	2.1	7.2	7.3	7.8
Kansas	85.5	86.4	88.8	76.4	76.3	64.7	2.6	2.4	1.7	5.0	5.0	8.5
Kentucky	84.7	85.8	85.9	74.3	74.3	75.5	2.9	2.6	2.6	5.6	5.6	7.5
Louisiana	81.1	88.7	88.9	70.4	70.3	81.9	4.2	1.9	1.8	7.5	7.5	4.0
Maine	89.9	90.1	90.4	85.5	85.9	78.9	1.7	1.7	1.6	*	*	*
Maryland	88.3	92.4	93.2	78.5	78.5	81.0	2.7	1.6	1.4	5.3	5.3	4.2
Massachusetts	83.7	85.6	87.1	70.6	70.6	70.2	3.0	2.4	2.0	7.2	7.2	6.4
Michigan	84.2	87.0	88.1	71.5	71.5	73.1	3.0	2.3	2.1	6.2	6.2	5.5
Minnesota	83.5	86.0	86.7	64.5	64.4	59.8	3.4	2.7	2.4	10.0	10.0	10.0
Mississippi	78.6	88.0	88.1	68.0	68.0	80.2	4.2	2.1	2.0	6.6	6.6	*
Missouri	85.5	87.9	88.2	72.2	72.2	77.9	2.9	2.1	2.1	7.0	7.0	4.0
Montana	82.7	84.4	84.7	81.6	77.4	73.9	3.2	2.5	2.4	*	*	*
Nebraska	84.5	85.4	87.3	73.2	73.1	66.6	2.6	2.3	1.9	5.9	6.0	6.7
Nevada	77.6	78.5	84.2	67.4	67.3	65.7	6.0	5.8	3.4	8.9	8.9	11.2
New Hampshire	89.1	89.3	89.6	76.4	74.2	75.5	1.5	1.5	1.4	*	*	*
New Jersey	81.8	85.5	89.4	65.5	65.5	70.9	4.6	3.0	2.2	11.6	11.8	6.3
New Mexico	69.7	71.9	78.9	60.9	61.9	66.4	8.0	7.5	4.3	7.4	7.7	9.9
New York	79.1	82.6	87.0	68.4	68.5	68.4	5.4	4.2	2.9	9.3	9.3	8.3
North Carolina	83.5	88.1	89.6	71.8	71.8	67.8	3.3	2.1	1.7	6.7	6.7	7.4
North Dakota	84.7	86.3	86.6	78.7	77.9	71.5	2.0	1.4	1.3	*	*	*
Ohio	85.4	87.6	87.9	72.5	72.5	76.4	3.4	2.7	2.6	8.1	8.1	5.6
Oklahoma	78.7	81.1	81.8	67.1	67.0	70.1	4.6	3.8	3.6	8.6	8.6	7.3
Oregon	79.9	80.3	82.6	76.6	76.3	65.6	3.9	3.8	3.1	5.7	5.9	7.8
Pennsylvania	84.2	87.1	88.0	67.1	67.2	70.6	3.6	2.5	2.3	10.6	10.6	6.6
Rhode Island	89.6	90.8	91.8	78.6	80.6	84.1	1.5	1.2	0.9	4.4	4.0	2.4
South Carolina	79.4	86.2	86.9	67.1	67.2	63.9	4.7	2.8	2.6	8.1	8.1	10.3
South Dakota	81.7	85.5	85.7	63.9	65.0	71.3	3.5	2.0	2.0	*	*	*
Tennessee	83.3	86.7	87.2	71.5	71.5	65.5	3.7	2.4	2.2	8.3	8.2	11.7
Texas	78.1	78.4	86.6	74.0	74.0	70.2	5.4	5.4	2.5	6.1	6.1	8.2
Utah	83.8	84.7	86.8	64.5	68.4	64.9	3.3	3.0	2.4	7.2	*	8.5
Vermont	87.4	87.5	87.6	*	*	89.5	2.0	2.0	2.0	*	*	*
Virginia	84.5	88.4	89.7	72.1	72.1	72.6	3.3	2.2	1.9	6.8	6.8	5.5
Washington	83.2	84.1	86.1	76.7	76.7	70.7	3.6	3.2	2.6	7.1	7.1	6.4
West Virginia	81.9	82.5	82.6	65.9	66.0	73.7	2.7	2.5	2.5	6.2	6.2	*
Wisconsin	84.1	87.0	88.0	66.2	66.2	69.5	3.3	2.4	2.1	9.3	9.3	7.1
Wyoming	81.9	82.5	83.8	64.6	63.8	69.3	3.7	3.5	3.2	*	*	6.3
Puerto Rico	77.3	76.3	---	66.2	---	---	3.5	3.2	---	6.9	---	---
Virgin Islands	55.4	60.1	76.3	54.5	54.3	52.6	11.6	8.6	*	12.2	11.6	14.8
Guam	66.7	79.8	80.1	80.5	78.4	78.0	11.0	*	*	*	*	*

* Figure does not meet standards of reliability or precision.
 --- Data not available.
 1 Care beginning in 3rd trimester.
 2 Includes races other than white and black and origin not stated.
 3 Persons of Hispanic origin may be of any race.
 4 Excludes data for Puerto Rico, Virgin Islands, and Guam.

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, 1996

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							Not stated
		1st trimester			2d trimester		Late or no care		
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	
All races ¹	3,891,494	3,102,972	2,351,222	751,750	536,402	151,302	106,759	44,543	100,818
No visits	44,543	...	...	...	...	44,543	...	44,543	...
1-2 visits	40,612	9,316	5,851	3,465	10,075	19,212	19,212	...	2,009
3-4 visits	82,777	22,643	12,623	10,020	31,014	26,974	26,974	...	2,146
5-6 visits	179,054	74,312	42,443	31,869	75,329	26,241	26,241	...	3,172
7-8 visits	333,522	200,056	121,706	78,350	113,534	15,756	15,756	...	4,176
9-10 visits	739,021	572,955	377,478	195,477	149,518	8,505	8,505	...	8,043
11-12 visits	1,003,513	910,282	691,333	218,949	84,448	3,493	3,493	...	5,290
13-14 visits	646,478	610,592	503,996	106,596	31,548	1,455	1,455	...	2,883
15-16 visits	447,611	424,414	361,133	63,281	20,089	1,066	1,066	...	2,042
17-18 visits	96,300	91,825	77,897	13,928	3,776	224	224	...	475
19 visits or more	140,751	132,733	115,228	17,505	6,703	416	416	...	899
Not stated	137,312	53,844	41,534	12,310	10,368	3,417	3,417	...	69,683
Median number of visits	12.3	12.6	12.8	11.6	9.6	5.4	5.4	...	10.3
White, total	3,093,057	2,541,849	1,945,679	596,170	383,106	100,212	74,080	26,132	67,890
No visits	26,132	...	...	...	...	26,132	...	26,132	...
1-2 visits	25,046	5,890	3,811	2,079	5,627	12,443	12,443	...	1,086
3-4 visits	53,746	14,636	8,245	6,391	19,451	18,324	18,324	...	1,335
5-6 visits	124,070	53,041	30,410	22,631	50,724	18,230	18,230	...	2,075
7-8 visits	251,957	156,404	96,429	59,975	81,241	11,308	11,308	...	3,004
9-10 visits	582,216	461,281	307,245	154,036	108,959	6,181	6,181	...	5,795
11-12 visits	828,162	757,920	579,782	178,138	63,432	2,686	2,686	...	4,124
13-14 visits	542,993	515,339	427,043	88,296	24,153	1,190	1,190	...	2,311
15-16 visits	367,154	349,674	298,981	50,693	15,052	837	837	...	1,591
17-18 visits	80,331	76,898	65,542	11,356	2,872	189	189	...	372
19 visits or more	115,612	109,833	96,172	13,661	4,767	315	315	...	697
Not stated	95,638	40,933	32,019	8,914	6,828	2,377	2,377	...	45,500
Median number of visits	12.4	12.6	12.8	11.8	9.8	5.5	5.5	...	10.5
White, non-Hispanic	2,358,989	2,024,891	1,581,949	442,942	238,182	54,570	40,713	13,857	41,346
No visits	13,857	...	...	...	...	13,857	...	13,857	...
1-2 visits	13,298	3,159	2,115	1,044	2,981	6,517	6,517	...	641
3-4 visits	29,161	8,550	5,013	3,537	10,458	9,392	9,392	...	761
5-6 visits	74,868	34,923	20,819	14,104	28,989	9,739	9,739	...	1,217
7-8 visits	170,878	113,698	72,195	41,503	48,858	6,579	6,579	...	1,743
9-10 visits	423,727	348,934	239,305	109,629	67,321	3,697	3,697	...	3,775
11-12 visits	667,279	618,716	480,076	138,640	43,787	1,764	1,764	...	3,012
13-14 visits	451,381	431,364	359,454	71,910	17,378	823	823	...	1,816
15-16 visits	294,870	283,410	245,557	37,853	9,683	561	561	...	1,216
17-18 visits	66,200	63,701	54,795	8,906	2,086	126	126	...	287
19 visits or more	94,934	90,905	80,315	10,590	3,282	223	223	...	524
Not stated	58,536	27,531	22,305	5,226	3,359	1,292	1,292	...	26,354
Median number of visits	12.5	12.7	12.9	12.0	10.0	5.8	5.8	...	10.7
Black, total	594,781	406,278	291,968	114,310	120,726	41,737	25,249	16,488	26,040
No visits	16,488	...	...	...	...	16,488	...	16,488	...
1-2 visits	12,959	2,904	1,725	1,179	3,837	5,417	5,417	...	801
3-4 visits	23,470	6,611	3,621	2,990	9,477	6,729	6,729	...	653
5-6 visits	42,585	16,382	9,450	6,932	19,182	6,161	6,161	...	860
7-8 visits	60,158	31,194	18,212	12,982	24,742	3,314	3,314	...	908
9-10 visits	115,739	80,316	50,347	29,969	31,950	1,786	1,786	...	1,687
11-12 visits	123,760	106,044	76,766	29,278	16,278	598	598	...	840
13-14 visits	73,964	67,627	54,212	13,415	5,746	181	181	...	410
15-16 visits	60,287	55,629	45,988	9,641	4,155	167	167	...	336
17-18 visits	11,970	11,163	9,175	1,988	703	23	23	...	81
19 visits or more	20,057	18,136	14,973	3,163	1,691	72	72	...	158
Not stated	33,344	10,272	7,499	2,773	2,965	801	801	...	19,306
Median number of visits	11.5	12.4	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, 1996 –Con.

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							Not stated
		1st trimester			2d trimester		Late or no care		
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	
Black, non-Hispanic	578,099	395,966	284,902	111,064	117,412	40,605	24,350	16,255	24,116
No visits	16,255	...	...	...	...	16,255	...	16,255	...
1-2 visits	12,620	2,840	1,681	1,159	3,756	5,260	5,260	...	764
3-4 visits	22,830	6,471	3,546	2,925	9,237	6,508	6,508	...	614
5-6 visits	41,307	15,911	9,183	6,728	18,675	5,926	5,926	...	795
7-8 visits	58,258	30,260	17,725	12,535	23,986	3,175	3,175	...	837
9-10 visits	112,085	77,745	48,714	29,031	31,067	1,719	1,719	...	1,554
11-12 visits	120,665	103,482	74,986	28,496	15,848	571	571	...	764
13-14 visits	72,206	66,090	53,045	13,045	5,562	172	172	...	382
15-16 visits	59,033	54,499	45,082	9,417	4,070	162	162	...	302
17-18 visits	11,676	10,895	8,952	1,943	686	22	22	...	73
19 visits or more	19,682	17,818	14,715	3,103	1,650	67	67	...	147
Not stated	31,482	9,955	7,273	2,682	2,875	768	768	...	17,884
Median number of visits	11.5	12.4	12.7	11.2	9.2	5.0	5.0	...	9.3
Hispanic ²	701,339	490,207	341,814	148,393	143,590	45,154	33,263	11,891	22,388
No visits	11,891	...	...	...	...	11,891	...	11,891	...
1-2 visits	11,676	2,673	1,653	1,020	2,637	5,927	5,927	...	439
3-4 visits	24,554	6,052	3,217	2,835	8,997	8,946	8,946	...	559
5-6 visits	48,577	17,585	9,258	8,327	21,663	8,498	8,498	...	831
7-8 visits	78,393	40,242	22,404	17,838	32,191	4,762	4,762	...	1,198
9-10 visits	152,829	107,235	64,044	43,191	41,266	2,452	2,452	...	1,876
11-12 visits	151,662	130,616	92,619	37,997	19,217	887	887	...	942
13-14 visits	86,806	79,336	63,629	15,707	6,704	345	345	...	421
15-16 visits	69,449	63,542	50,979	12,563	5,309	268	268	...	330
17-18 visits	13,413	12,518	10,138	2,380	767	53	53	...	75
19 visits or more	19,728	18,022	15,021	3,001	1,464	89	89	...	153
Not stated	32,361	12,386	8,852	3,534	3,375	1,036	1,036	...	15,564
Median number of visits	11.3	12.3	12.6	11.0	9.3	5.3	5.3	...	9.6

... Category not applicable.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be 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, 1996

[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
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ¹										
Amniocentesis	3,891,494	124,711	32.3	9.1	10.6	14.8	27.6	140.6	192.4	32,311
Electronic fetal monitoring	3,891,494	3,184,945	825.3	833.8	828.0	827.2	823.5	812.7	794.9	32,311
Induction of labor	3,891,494	653,877	169.4	151.0	164.9	176.8	175.0	170.3	174.4	32,311
Stimulation of labor	3,891,494	652,196	169.0	177.0	172.2	171.6	165.9	155.6	146.2	32,311
Tocolysis	3,891,494	83,662	21.7	24.0	22.1	21.4	20.8	20.4	22.0	32,311
Ultrasound ²	3,881,339	2,457,576	638.7	618.2	630.3	644.6	649.0	645.5	635.8	33,366
White										
Amniocentesis	3,093,057	106,391	34.7	9.3	10.8	15.1	28.7	148.8	205.5	26,456
Electronic fetal monitoring	3,093,057	2,540,938	828.6	836.7	830.1	831.0	828.1	816.8	798.2	26,456
Induction of labor	3,093,057	554,925	181.0	165.0	177.3	187.5	184.8	179.1	183.8	26,456
Stimulation of labor	3,093,057	529,023	172.5	183.7	176.7	174.9	168.4	158.7	149.1	26,456
Tocolysis	3,093,057	66,723	21.8	24.7	22.4	21.4	20.7	20.4	22.1	26,456
Ultrasound ²	3,085,504	1,992,208	651.5	635.0	642.8	656.2	660.2	656.5	646.9	27,451
Black										
Amniocentesis	594,781	10,722	18.2	8.3	9.8	13.0	20.2	76.8	109.4	4,095
Electronic fetal monitoring	594,781	487,391	825.1	833.0	830.4	823.0	815.7	808.6	810.7	4,095
Induction of labor	594,781	73,716	124.8	117.6	122.9	128.2	129.0	131.8	144.5	4,095
Stimulation of labor	594,781	91,358	154.7	162.1	158.4	152.8	149.0	138.3	133.3	4,095
Tocolysis	594,781	12,430	21.0	21.4	20.9	21.0	21.3	19.8	20.5	4,095
Ultrasound ²	592,410	344,461	585.6	578.3	587.2	589.4	587.4	584.9	589.4	4,146

¹ Includes races other than white and black.

² Delaware does not report this procedure.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1996

[Rates are number of live births with specified complication per 1,000 live births in specified group]

Complication and race of mother	All births ¹	Complication reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races²										
Febrile	3,891,494	61,850	16.1	19.2	16.6	16.4	14.9	13.2	12.6	42,175
Meconium, moderate/heavy	3,891,494	223,536	58.1	63.1	58.0	56.0	56.6	59.8	64.6	42,175
Premature rupture of membrane	3,891,494	113,112	29.4	28.6	27.8	29.1	30.0	32.4	36.1	42,175
Abruptio placenta	3,891,494	22,062	5.7	5.4	5.3	5.4	5.9	7.0	8.7	42,175
Placenta previa	3,891,494	12,915	3.4	1.2	1.9	3.1	4.6	6.4	8.9	42,175
Other excessive bleeding ³	3,777,188	21,142	5.7	5.7	5.7	5.4	5.5	6.2	7.4	42,892
Seizures during labor	3,891,494	1,617	0.4	0.8	0.4	0.3	0.3	0.4	0.6	42,175
Precipitous labor	3,891,494	77,614	20.2	14.2	18.6	19.9	23.1	24.8	24.1	42,175
Prolonged labor	3,891,494	34,445	8.9	9.4	8.8	9.0	8.7	8.7	9.7	42,175
Dysfunctional labor	3,891,494	105,749	27.5	25.7	26.1	28.3	28.2	28.3	32.2	42,175
Breech/Malpresentation	3,891,494	146,431	38.0	29.4	32.1	38.3	43.0	47.8	56.5	42,175
Cephalopelvic disproportion	3,891,494	90,105	23.4	21.6	21.7	24.6	24.7	23.5	23.9	42,175
Cord prolapse	3,891,494	8,244	2.1	1.7	1.9	2.1	2.3	2.8	3.3	42,175
Anesthetic complication ⁴	3,561,088	2,214	0.6	0.4	0.5	0.7	0.7	0.8	1.0	44,789
Fetal distress ⁴	3,561,088	147,814	42.0	45.7	41.3	40.3	40.9	44.4	52.6	44,789
White										
Febrile	3,093,057	46,821	15.3	18.0	16.1	15.9	14.1	12.4	12.1	34,689
Meconium, moderate/heavy	3,093,057	163,798	53.6	56.7	53.2	52.0	52.7	55.7	60.4	34,689
Premature rupture of membrane	3,093,057	86,973	28.4	27.1	26.7	28.3	29.1	31.4	35.2	34,689
Abruptio placenta	3,093,057	16,990	5.6	5.3	5.2	5.2	5.8	6.7	8.2	34,689
Placenta previa	3,093,057	10,093	3.3	1.1	1.9	3.0	4.4	6.1	8.5	34,689
Other excessive bleeding ³	3,006,671	16,630	5.6	5.8	5.7	5.4	5.4	6.0	6.8	35,415
Seizures during labor	3,093,057	994	0.3	0.7	0.4	0.3	0.2	0.3	0.4	34,689
Precipitous labor	3,093,057	60,183	19.7	13.0	17.5	19.2	22.8	24.9	23.8	34,689
Prolonged labor	3,093,057	27,958	9.1	9.9	9.3	9.2	8.8	8.8	10.0	34,689
Dysfunctional labor	3,093,057	85,113	27.8	25.9	26.7	28.7	28.3	28.2	32.4	34,689
Breech/Malpresentation	3,093,057	121,992	39.9	31.9	33.9	39.7	44.4	48.6	57.0	34,689
Cephalopelvic disproportion	3,093,057	73,728	24.1	22.1	22.8	25.4	24.9	23.7	24.7	34,689
Cord prolapse	3,093,057	6,524	2.1	1.7	1.9	2.0	2.3	2.8	3.3	34,689
Anesthetic complication ⁴	2,811,247	1,805	0.7	0.4	0.5	0.7	0.8	0.8	1.0	36,831
Fetal distress ⁴	2,811,247	111,299	40.1	43.7	39.5	38.6	39.1	42.2	50.3	36,831
Black										
Febrile	594,781	10,544	17.9	21.8	17.8	16.7	16.1	15.0	11.4	5,265
Meconium, moderate/heavy	594,781	48,020	81.5	79.7	77.2	81.3	86.6	91.2	93.6	5,265
Premature rupture of membrane	594,781	19,710	33.4	31.5	31.1	33.6	36.5	40.5	41.9	5,265
Abruptio placenta	594,781	4,045	6.9	5.9	6.1	7.0	7.9	9.7	10.9	5,265
Placenta previa	594,781	1,904	3.2	1.3	2.2	3.3	5.3	7.7	8.5	5,265
Other excessive bleeding ³	574,264	2,668	4.7	4.4	4.7	4.2	5.2	5.4	7.1	5,228
Seizures during labor	594,781	323	0.5	0.9	0.5	0.5	0.3	*	*	5,265
Precipitous labor	594,781	12,663	21.5	16.1	21.3	23.1	25.8	24.1	24.5	5,265
Prolonged labor	594,781	4,051	6.9	7.6	6.5	6.9	6.7	6.7	5.9	5,265
Dysfunctional labor	594,781	15,076	25.6	24.9	23.4	26.5	27.7	27.9	33.4	5,265
Breech/Malpresentation	594,781	17,526	29.7	22.7	25.5	31.5	36.4	44.3	55.6	5,265
Cephalopelvic disproportion	594,781	11,344	19.2	20.7	17.7	19.3	21.1	17.6	14.0	5,265
Cord prolapse	594,781	1,351	2.3	1.9	2.0	2.4	2.9	3.2	2.9	5,265
Anesthetic complication ⁴	555,925	306	0.6	0.4	0.5	0.6	0.7	0.7	*	5,675
Fetal distress ⁴	555,925	29,961	54.4	52.0	50.6	54.1	58.5	65.1	78.7	5,675

* Figure does not meet standards of reliability or precision.

¹ Total number of births to residents of areas reporting specified complication.² Includes races other than white and black.³ New Jersey does not report this complication.⁴ Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 1996

Place of delivery and race and Hispanic origin of mother	All births	Physician			Midwife			Other	Unspecified
		Total	Doctor of medicine	Doctor of osteopathy	Total	Certified nurse midwife	Other midwife		
All races ¹									
Total	3,891,494	3,613,070	3,467,500	145,570	252,782	238,994	13,788	21,708	3,934
In hospital ²	3,853,728	3,606,958	3,462,508	144,450	232,628	229,855	2,773	11,446	2,696
Not in hospital	37,085	5,847	4,748	1,099	19,892	8,884	11,008	10,228	1,118
Freestanding birthing center	10,278	1,698	1,051	647	8,383	5,981	2,402	190	7
Clinic or doctor's office	778	373	304	69	285	123	162	104	16
Residence	23,784	3,037	2,700	337	10,942	2,604	8,338	8,873	932
Other	2,245	739	693	46	282	176	106	1,061	163
Not specified	681	265	244	21	262	255	7	34	120
White, total									
Total	3,093,057	2,878,429	2,752,896	125,533	195,044	182,383	12,661	16,462	3,122
In hospital ²	3,060,406	2,873,945	2,749,470	124,475	175,844	173,880	1,964	8,342	2,275
Not in hospital	32,052	4,252	3,214	1,038	18,946	8,256	10,690	8,099	755
Freestanding birthing center	9,708	1,636	993	643	7,894	5,577	2,317	171	7
Clinic or doctor's office	671	310	248	62	271	113	158	75	15
Residence	20,223	1,934	1,628	306	10,531	2,411	8,120	7,106	652
Other	1,450	372	345	27	250	155	95	747	81
Not specified	599	232	212	20	254	247	7	21	92
White, non-Hispanic									
Total	2,358,989	2,208,314	2,104,458	103,856	136,613	126,230	10,383	11,887	2,175
In hospital ²	2,332,333	2,204,537	2,101,706	102,831	121,038	119,479	1,559	5,186	1,572
Not in hospital	26,236	3,582	2,573	1,009	15,396	6,579	8,817	6,685	573
Freestanding birthing center	6,920	1,421	787	634	5,350	4,190	1,160	146	3
Clinic or doctor's office	585	269	210	59	237	92	145	65	14
Residence	17,729	1,617	1,324	293	9,637	2,212	7,425	5,961	514
Other	1,002	275	252	23	172	85	87	513	42
Not specified	420	195	179	16	179	172	7	16	30
Black, total									
Total	594,781	548,597	533,468	15,129	41,739	40,928	811	3,970	475
In hospital ²	590,877	547,226	532,136	15,090	41,192	40,514	678	2,291	168
Not in hospital	3,832	1,340	1,302	38	543	410	133	1,668	281
Freestanding birthing center	356	36	35	1	309	253	56	11	-
Clinic or doctor's office	45	34	33	1	6	5	1	5	-
Residence	2,773	965	944	21	207	136	71	1,400	201
Other	658	305	290	15	21	16	5	252	80
Not specified	72	31	30	1	4	4	-	11	26
Black, non-Hispanic									
Total	578,099	534,659	519,986	14,673	39,143	38,352	791	3,878	419
In hospital ²	574,368	533,324	518,690	14,634	38,649	37,982	667	2,235	160
Not in hospital	3,686	1,308	1,270	38	490	366	124	1,632	256
Freestanding birthing center	330	34	33	1	285	230	55	11	-
Clinic or doctor's office	44	33	32	1	6	5	1	5	-
Residence	2,680	943	922	21	182	118	64	1,371	184
Other	632	298	283	15	17	13	4	245	72
Not specified	45	27	26	1	4	4	-	11	3
Hispanic ³									
Total	701,339	638,539	618,859	19,680	57,787	55,628	2,159	4,192	821
In hospital ²	696,135	637,939	618,288	19,651	54,416	54,031	385	3,119	661
Not in hospital	5,173	584	559	25	3,362	1,588	1,774	1,070	157
Freestanding birthing center	2,766	211	204	7	2,526	1,368	1,158	25	4
Clinic or doctor's office	79	34	30	4	34	21	13	10	1
Residence	1,924	248	238	10	731	135	596	828	117
Other	404	91	87	4	71	64	7	207	35
Not specified	31	16	12	4	9	9	-	3	3

- Quantity zero.

¹ Includes races other than white and black and origin not stated.

² Includes births occurring en route to or on arrival at hospital.

³ Persons of Hispanic origin may be 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, 1989-96

Year and race and Hispanic origin of mother	Births by method of delivery						Cesarean delivery rate		Rate of vaginal birth after previous cesarean ³	
	All births	Vaginal		Cesarean			Total ¹	Primary ²		
		Total	After previous cesarean	Total	Primary	Repeat				Not stated
All races⁴										
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 ⁵	4,110,563	3,111,421	84,299	914,096	575,066	339,030	85,046	22.7	16.0	19.9
1989 ⁶	3,798,734	2,793,463	71,019	826,955	521,873	305,082	178,316	22.8	16.1	18.9
White, total										
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 ⁵	3,252,473	2,453,857	67,191	732,713	458,656	274,057	65,903	23.0	16.1	19.7
1989 ⁶	3,022,537	2,212,843	56,851	667,114	418,177	248,937	142,580	23.2	16.2	18.6
White, non-Hispanic										
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 ⁸	2,527,207	1,916,414	63,828	566,788	352,470	214,318	44,005	22.8	16.0	22.9
1991 ⁸	2,589,878	1,941,726	60,174	587,802	368,721	219,081	60,350	23.2	16.4	21.5
1990 ^{5,9}	2,626,500	1,972,754	55,952	603,467	378,508	224,959	50,279	23.4	16.5	19.9
1989 ^{6,10}	2,526,367	1,806,753	47,559	556,585	349,858	206,727	163,029	23.6	16.6	18.7
Black, total										
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 ⁵	679,236	516,581	13,496	146,472	93,476	52,996	16,183	22.1	15.7	20.3
1989 ⁶	611,147	452,291	11,104	127,907	82,695	45,212	30,319	22.0	15.8	19.7
Black, non-Hispanic										
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 ⁸	657,450	502,669	14,950	143,153	91,086	52,067	11,628	22.2	15.7	22.3
1991 ⁸	666,758	507,522	13,847	142,417	90,664	51,753	16,819	21.9	15.5	21.1
1990 ^{5,9}	661,701	503,720	13,157	142,838	91,175	51,663	15,143	22.1	15.7	20.3
1989 ^{6,10}	611,269	440,310	10,726	125,290	81,177	44,113	45,669	22.2	15.9	19.6
Hispanic⁷										
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 ⁸	643,271	494,338	13,111	133,369	81,211	52,158	15,564	21.2	14.4	20.1
1991 ⁸	623,085	472,126	11,615	129,752	80,228	49,524	21,207	21.6	14.8	19.0
1990 ^{5,9}	595,073	458,242	10,395	122,969	76,027	46,942	13,862	21.2	14.5	18.1
1989 ^{6,10}	532,249	385,462	8,549	105,268	64,905	40,363	41,519	21.5	14.7	17.5

1 Percent of all live births by cesarean delivery.
 2 Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
 3 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
 4 Includes races other than white and black and origin not stated.
 5 Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.
 6 Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.
 7 Persons of Hispanic origin may be of any race.
 8 Excludes data for New Hampshire which did not report Hispanic origin.
 9 Excludes data for New Hampshire and Oklahoma which did not report Hispanic origin.
 10 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, 1996

Age and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean ³
	All births	Vaginal		Cesarean			Not stated	Total ¹	Primary ²	
		Total	After previous cesarean	Total	Primary	Repeat				
All races ⁴	3,891,494	3,061,092	116,045	797,119	503,724	293,395	33,283	20.7	14.6	28.3
Under 20 years	502,725	426,649	3,956	72,296	64,439	7,857	3,780	14.5	13.2	33.5
20-24 years	945,210	774,542	21,852	162,789	113,189	49,600	7,879	17.4	13.1	30.6
25-29 years	1,071,287	843,609	33,830	218,535	136,873	81,662	9,143	20.6	14.5	29.3
30-34 years	897,913	678,495	36,419	211,410	117,743	93,667	8,008	23.8	15.5	28.0
35-39 years	399,510	287,146	17,302	108,640	57,806	50,834	3,724	27.4	17.6	25.4
40-49 years	74,849	50,651	2,686	23,449	13,674	9,775	749	31.6	22.2	21.6
White, total	3,093,057	2,434,079	93,783	631,409	395,851	235,558	27,569	20.6	14.5	28.5
Under 20 years	350,211	298,322	2,441	49,060	44,204	4,856	2,829	14.1	13.0	33.5
20-24 years	726,669	596,341	16,116	124,076	87,431	36,645	6,252	17.2	13.1	30.5
25-29 years	878,449	692,751	27,609	177,926	111,422	66,504	7,772	20.4	14.3	29.3
30-34 years	747,436	566,817	30,701	173,748	95,746	78,002	6,871	23.5	15.2	28.2
35-39 years	329,782	238,611	14,681	87,953	46,225	41,728	3,218	26.9	17.1	26.0
40-49 years	60,510	41,237	2,235	18,646	10,823	7,823	627	31.1	21.7	22.2
White, non-Hispanic	2,358,989	1,851,058	73,973	485,530	308,482	177,048	22,401	20.8	14.8	29.5
Under 20 years	227,729	193,317	1,450	32,308	29,553	2,755	2,104	14.3	13.3	34.5
20-24 years	508,056	415,449	11,132	87,655	62,944	24,711	4,952	17.4	13.5	31.1
25-29 years	683,376	538,905	21,135	138,025	89,280	48,745	6,446	20.4	14.7	30.2
30-34 years	616,224	469,754	25,732	140,761	79,529	61,232	5,709	23.1	15.2	29.6
35-39 years	274,431	199,956	12,632	71,777	38,397	33,380	2,698	26.4	17.0	27.5
40-49 years	49,173	33,677	1,892	15,004	8,779	6,225	492	30.8	21.6	23.3
Black, total	594,781	462,378	16,866	128,357	82,646	45,711	4,046	21.7	15.6	27.0
Under 20 years	135,789	113,573	1,413	21,454	18,599	2,855	762	15.9	14.2	33.1
20-24 years	179,361	144,669	5,037	33,468	21,791	11,677	1,224	18.8	13.5	30.1
25-29 years	133,204	101,536	4,768	30,753	18,305	12,448	915	23.2	15.9	27.7
30-34 years	94,295	67,630	3,762	25,930	14,470	11,460	735	27.7	18.5	24.7
35-39 years	43,716	29,580	1,622	13,804	7,687	6,117	332	31.8	21.6	21.0
40-49 years	8,416	5,390	264	2,948	1,794	1,154	78	35.4	25.9	18.6
Black, non-Hispanic	578,099	449,544	16,322	124,836	80,457	44,379	3,719	21.7	15.7	26.9
Under 20 years	132,700	110,980	1,380	20,998	18,188	2,810	722	15.9	14.2	32.9
20-24 years	174,958	141,065	4,918	32,738	21,277	11,461	1,155	18.8	13.5	30.0
25-29 years	129,002	98,396	4,605	29,783	17,711	12,072	823	23.2	15.9	27.6
30-34 years	91,050	65,279	3,609	25,115	14,070	11,045	656	27.8	18.6	24.6
35-39 years	42,279	28,619	1,556	13,359	7,476	5,883	301	31.8	21.6	20.9
40-49 years	8,110	5,205	254	2,843	1,735	1,108	62	35.3	25.9	18.6
Hispanic ⁵	701,339	558,105	18,491	139,554	83,392	56,162	3,680	20.0	13.4	24.8
Under 20 years	121,934	104,573	999	16,692	14,594	2,098	669	13.8	12.4	32.3
20-24 years	214,173	177,235	4,863	35,816	24,004	11,812	1,122	16.8	12.2	29.2
25-29 years	185,478	146,287	6,123	38,233	20,998	17,235	958	20.7	13.0	26.2
30-34 years	119,690	88,489	4,437	30,576	14,767	15,809	625	25.7	14.9	21.9
35-39 years	49,812	34,693	1,776	14,867	7,154	7,713	252	30.0	17.9	18.7
40-49 years	10,252	6,828	293	3,370	1,875	1,495	54	33.0	22.3	16.4

¹ Percent of all live births by cesarean delivery.

² Number of primary cesareans per 100 live births to women who have not had a previous cesarean

³ Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.

⁴ Includes races other than white and black and origin not stated.

⁵ Persons of Hispanic origin may be 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 and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

State	Cesarean delivery rate ¹						Rate of vaginal births after previous cesarean ²					
	All races ³	White		Black		Hispanic ⁴	All races ³	White		Black		Hispanic ⁴
		Total	Non-Hispanic	Total	Non-Hispanic			Total	Non-Hispanic	Total	Non-Hispanic	
United States ⁵	20.7	20.6	20.8	21.7	21.7	20.0	28.3	28.5	29.5	27.0	26.9	24.8
Alabama	23.3	23.7	23.8	22.7	22.6	22.3	22.4	21.9	21.8	23.8	23.9	23.6
Alaska	16.7	19.2	19.2	19.7	18.6	20.0	34.6	30.9	30.4	*	*	36.5
Arizona	16.1	16.2	16.8	19.3	19.4	15.4	28.9	27.4	28.7	25.0	25.0	25.9
Arkansas	25.3	25.0	25.1	26.5	26.5	22.4	19.4	19.6	19.4	18.8	18.8	21.9
California	20.6	20.6	21.6	22.9	23.0	19.8	22.8	22.9	24.7	20.1	20.0	21.5
Colorado	15.1	15.1	15.3	16.6	17.0	14.4	40.4	40.1	40.1	43.3	43.3	39.7
Connecticut	19.8	19.8	20.1	20.5	20.6	18.3	33.3	32.7	32.6	36.1	36.9	32.2
Delaware	21.0	21.3	21.6	20.5	20.7	17.6	35.0	34.4	33.8	37.4	36.8	43.6
District of Columbia ...	21.3	19.2	23.3	22.1	22.2	13.6	21.2	27.6	*	20.0	20.0	*
Florida	21.6	22.1	21.4	20.3	20.3	24.0	25.7	25.6	27.8	25.3	25.4	19.6
Georgia	20.9	20.7	21.2	21.7	21.6	15.6	25.2	26.5	26.4	22.1	22.2	27.3
Hawaii	17.5	19.3	19.3	20.4	21.3	16.5	35.2	34.8	34.7	*	*	36.6
Idaho	16.0	15.9	15.8	29.3	27.8	16.6	36.8	36.9	36.8	*	*	37.1
Illinois	19.3	19.3	20.1	19.4	19.4	16.7	30.1	31.3	31.5	25.4	25.4	30.2
Indiana	20.3	20.2	20.2	21.1	21.2	21.2	26.3	26.6	26.8	24.1	24.0	24.1
Iowa	18.6	18.6	18.7	19.6	19.6	17.4	35.7	35.5	35.3	34.8	33.3	36.6
Kansas	19.2	19.3	19.4	19.8	19.9	19.0	25.1	25.0	24.6	26.1	26.1	27.1
Kentucky	21.3	21.4	21.4	21.0	20.9	16.7	26.8	26.2	26.0	31.9	31.8	*
Louisiana	26.4	27.9	28.0	24.6	24.6	23.4	12.9	11.2	11.0	15.5	15.4	15.7
Maine	20.8	20.9	20.8	*	*	23.5	30.4	30.4	30.5	*	*	*
Maryland	21.6	21.0	21.3	23.2	23.2	17.8	33.0	33.5	33.2	31.6	31.8	34.7
Massachusetts	19.8	20.0	20.3	20.2	20.3	17.1	34.0	34.2	33.8	30.7	29.4	38.3
Michigan	20.2	20.5	20.6	18.9	18.9	19.1	27.1	27.0	27.1	27.5	27.5	27.4
Minnesota	16.9	17.2	17.3	16.9	16.8	16.5	36.1	35.6	35.7	41.9	41.9	37.5
Mississippi	26.6	28.0	28.1	25.2	25.2	27.0	18.1	16.4	16.2	19.8	19.8	*
Missouri	20.4	20.7	20.7	18.8	18.8	18.3	32.2	31.3	31.3	37.6	37.7	28.5
Montana	19.1	18.8	18.7	*	*	20.2	32.7	33.3	33.6	*	*	*
Nebraska	19.8	20.0	20.1	18.5	18.5	19.2	30.6	30.3	30.8	31.0	31.0	26.2
Nevada	19.3	19.0	20.6	22.1	22.3	15.7	29.0	29.2	26.5	30.2	29.5	35.5
New Hampshire	20.3	20.2	20.2	21.6	*	22.9	31.7	31.7	31.7	*	*	*
New Jersey	24.0	24.2	24.1	23.5	23.2	24.8	35.7	35.3	36.9	38.3	39.4	29.0
New Mexico	17.2	17.5	18.0	22.2	22.4	17.1	36.9	35.8	36.7	37.9	38.5	35.0
New York	22.9	22.9	23.6	23.2	23.3	21.8	31.6	31.5	30.7	32.0	32.2	31.6
North Carolina	21.1	21.1	21.5	21.4	21.4	15.9	29.3	29.0	28.5	29.4	29.5	37.0
North Dakota	18.9	18.2	18.2	24.7	23.3	20.4	28.9	31.2	31.2	*	*	*
Ohio	19.0	19.2	19.2	18.6	18.6	18.3	35.5	35.4	35.5	35.5	35.4	34.3
Oklahoma	22.5	22.2	22.3	24.0	24.0	21.0	22.3	23.0	22.9	20.9	21.0	24.1
Oregon	16.9	16.8	17.1	21.2	21.5	15.4	39.5	39.5	38.8	28.4	27.8	43.5
Pennsylvania	19.4	19.5	19.7	19.0	19.0	17.5	34.5	33.8	33.7	38.6	38.8	35.4
Rhode Island	17.7	18.1	18.8	18.0	18.1	16.7	35.1	34.2	32.9	42.4	41.2	36.7
South Carolina	22.6	22.8	22.8	22.3	22.3	23.1	23.3	24.4	24.6	21.2	21.1	20.7
South Dakota	20.8	21.4	21.3	*	*	24.7	22.8	23.1	23.2	*	*	*
Tennessee	21.7	21.9	21.9	21.3	21.3	22.1	27.4	26.9	27.0	28.8	28.8	25.4
Texas	23.1	23.1	23.7	24.5	24.5	22.4	21.7	21.8	23.9	19.4	19.3	19.8
Utah	15.9	15.8	15.7	22.5	22.2	17.4	34.3	34.0	33.7	*	*	36.9
Vermont	16.5	16.4	16.1	*	*	*	41.7	41.9	41.6	*	*	*
Virginia	21.1	20.8	21.0	22.2	22.2	18.3	32.2	32.1	31.9	32.8	32.9	34.1
Washington	16.8	16.5	16.6	21.1	20.8	16.6	35.9	36.1	36.2	32.6	32.3	35.8
West Virginia	22.8	22.8	22.8	23.9	24.0	20.2	23.9	24.0	24.1	*	*	*
Wisconsin	15.6	16.2	16.3	12.0	12.0	13.7	35.5	35.8	35.6	30.1	30.1	39.2
Wyoming	18.3	18.4	18.6	*	*	16.3	34.2	34.4	34.2	*	*	*
Puerto Rico	31.5	32.1	---	24.2	---	---	8.2	8.2	---	8.7	---	---
Virgin Islands	22.4	26.3	26.8	21.6	20.5	25.9	21.8	*	*	20.1	21.2	*
Guam	15.1	13.7	14.4	*	*	*	16.9	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

--- Data not available.

1 Percent of all live births by cesarean delivery.

2 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.

3 Includes races other than white and black and origin not stated.

4 Persons of Hispanic origin may be of any race.

5 Excludes data for Puerto Rico, Virgin Islands, and Guam.

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, 1996

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 ³
		Total ¹	Primary ²	
Medical risk factors				
Anemia	75,400	22.0	15.6	31.9
Cardiac disease	19,226	24.1	17.5	32.2
Acute or chronic lung disease	32,006	24.2	17.8	30.6
Diabetes	100,845	35.2	25.4	20.3
Genital herpes ⁴	31,795	36.0	30.4	30.8
Hydramnios/Oligohydramnios	47,824	37.0	31.8	25.9
Hemoglobinopathy	2,979	24.0	17.9	33.5
Hypertension, chronic	26,221	38.6	29.5	20.0
Hypertension, pregnancy-associated	137,724	36.1	31.5	22.4
Eclampsia	13,591	47.8	43.7	17.7
Incompetent cervix	9,817	31.8	25.1	28.3
Renal disease ⁵	10,372	24.1	17.9	30.7
Rh sensitization ⁶	24,396	21.5	15.3	33.8
Uterine bleeding ⁴	25,671	31.2	24.7	28.0
Complications of labor and/or delivery				
Febrile	61,850	30.3	28.4	49.0
Meconium, moderate/heavy	223,536	20.6	17.6	47.5
Premature rupture of membrane	113,112	25.1	22.0	41.4
Abruptio placenta	22,062	58.1	53.8	18.5
Placenta previa	12,915	81.6	77.4	4.3
Other excessive bleeding ⁷	21,142	27.3	21.4	34.1
Seizures during labor	1,617	42.6	40.9	36.8
Precipitous labor (less than 3 hours)	77,614	2.8	1.8	76.5
Prolonged labor (more than 20 hours)	34,445	35.5	34.0	45.7
Dysfunctional labor	105,749	63.1	60.4	17.3
Breech/Malpresentation	146,431	84.7	83.0	5.3
Cephalopelvic disproportion	90,105	96.5	96.1	1.4
Cord prolapse	8,244	66.4	63.9	13.8
Anesthetic complication ⁸	2,214	41.8	32.1	20.7
Fetal distress ⁸	147,814	54.5	51.7	23.9

¹ Percent of all live births by cesarean delivery.

² Number of primary cesareans per 100 live births to women who have not had a previous cesarean.

³ Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.

⁴ Texas does not report this risk factor.

⁵ Alabama does not report this risk factor.

⁶ Kansas does not report this risk factor.

⁷ New Jersey does not report this complication.

⁸ Texas does not report this complication.

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, 1996

Birthweight ¹ and race and Hispanic origin of mother	All births	Period of gestation ²										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 ³	3,891,494	423,107	27,456	45,275	198,918	151,458	3,093,025	1,735,210	868,341	489,474	334,713	40,649
Less than 500 grams	5,462	5,295	5,069	203	21	2	9	3	4	2	2	156
500-999 grams	21,094	20,519	15,130	4,734	618	37	182	116	36	30	23	370
1,000-1,499 grams	26,869	24,748	3,666	13,898	6,641	543	1,414	1,015	241	158	254	453
1,500-1,999 grams	55,943	45,417	1,019	10,513	29,177	4,708	8,865	7,257	1,035	573	860	801
2,000-2,499 grams	177,862	87,029	767	4,107	55,462	26,693	82,808	66,692	10,856	5,260	6,059	1,966
2,500-2,999 grams	639,110	110,395	1,111	4,308	49,820	55,156	483,440	347,337	92,877	43,226	38,573	6,702
3,000-3,499 grams	1,434,698	84,825	-	4,955	36,318	43,552	1,215,035	718,399	328,702	167,934	120,937	13,901
3,500-3,999 grams	1,127,294	35,121	-	2,449	16,287	16,385	964,314	460,764	316,002	187,548	117,637	10,222
4,000-4,499 grams	336,514	7,309	-	-	3,726	3,583	284,370	113,468	100,540	70,362	41,576	3,259
4,500-4,999 grams	55,558	1,192	-	-	564	628	46,093	17,297	16,037	12,759	7,732	541
5,000 grams or more	6,268	155	-	-	77	78	5,124	2,089	1,652	1,383	903	86
Not stated	4,822	1,102	694	108	207	93	1,371	773	359	239	157	2,192
Percent												
Very low birthweight ⁴	1.4	12.0	89.2	41.7	3.7	0.4	0.1	0.1	0.0	0.0	0.1	2.5
Low birthweight ⁵	7.4	43.4	95.8	74.1	46.3	21.1	3.0	4.3	1.4	1.2	2.2	9.7
Number												
White, total	3,093,057	299,923	15,912	29,484	141,145	113,382	2,491,649	1,374,026	710,854	406,769	270,957	30,528
Less than 500 grams	3,006	2,907	2,768	126	11	2	9	3	4	2	-	90
500-999 grams	12,785	12,404	8,864	3,119	397	24	127	76	27	24	17	237
1,000-1,499 grams	17,782	16,424	2,251	9,214	4,583	376	907	657	146	104	151	300
1,500-1,999 grams	38,421	31,246	561	7,154	20,295	3,236	6,074	4,998	677	399	583	518
2,000-2,499 grams	123,825	61,607	414	2,429	39,770	18,994	56,804	45,875	7,365	3,564	4,134	1,280
2,500-2,999 grams	458,830	79,396	618	2,443	35,280	41,055	347,497	249,634	66,350	31,513	27,436	4,501
3,000-3,499 grams	1,127,144	61,717	-	3,151	25,150	33,416	960,282	565,664	260,318	134,300	94,688	10,457
3,500-3,999 grams	956,042	26,624	-	1,769	12,088	12,767	821,552	390,155	270,220	161,177	99,510	8,356
4,000-4,499 grams	296,883	5,805	-	2,945	2,860	2,660	251,658	99,439	89,541	62,678	36,654	2,766
4,500-4,999 grams	49,494	944	-	425	519	41,206	15,179	14,454	11,573	6,883	461	
5,000 grams or more	5,415	122	-	56	66	4,445	1,746	1,463	1,236	784	64	
Not stated	3,430	727	436	79	145	67	1,088	600	289	199	117	1,498
Percent												
Very low birthweight ⁴	1.1	10.6	89.7	42.4	3.5	0.4	0.0	0.1	0.0	0.0	0.1	2.2
Low birthweight ⁵	6.3	41.6	96.0	75.0	46.1	20.0	2.6	3.8	1.2	1.0	1.8	8.4
Number												
White, non-Hispanic	2,358,989	222,592	11,747	21,774	103,279	85,792	1,915,914	1,050,238	548,994	316,682	205,431	15,052
Less than 500 grams	2,235	2,192	2,087	94	11	-	7	2	3	2	-	36
500-999 grams	9,609	9,398	6,630	2,448	299	21	93	56	19	18	12	106
1,000-1,499 grams	13,521	12,625	1,629	7,147	3,557	292	638	469	95	74	103	155
1,500-1,999 grams	29,786	24,412	383	5,523	15,937	2,569	4,680	3,883	494	303	436	258
2,000-2,499 grams	94,688	47,876	284	1,697	30,944	14,951	43,035	34,945	5,447	2,643	3,120	657
2,500-2,999 grams	338,305	59,738	401	1,586	26,027	31,724	256,520	185,272	48,242	23,006	19,918	2,129
3,000-3,499 grams	839,320	42,980	-	2,009	16,307	24,664	721,732	425,755	195,058	100,919	69,557	5,051
3,500-3,999 grams	745,169	18,095	-	1,204	7,839	9,052	646,251	305,794	213,046	127,411	76,659	4,164
4,000-4,499 grams	239,174	3,965	-	1,936	2,029	204,518	79,981	73,112	51,425	29,243	1,448	
4,500-4,999 grams	40,507	652	-	272	380	33,947	12,201	12,047	9,699	5,647	261	
5,000 grams or more	4,333	84	-	34	50	3,572	1,369	1,185	1,018	639	38	
Not stated	2,342	575	333	66	116	60	921	511	246	164	97	749
Percent												
Very low birthweight ⁴	1.1	10.9	90.6	44.6	3.7	0.4	0.0	0.1	0.0	0.0	0.1	2.1
Low birthweight ⁵	6.4	43.5	96.5	77.9	49.2	20.8	2.5	3.7	1.1	1.0	1.8	8.5

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, 1996 - Con.

Birthweight ¹ and race and Hispanic origin of mother	All births	Period of gestation ²										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	594,781	102,539	10,596	13,766	48,020	30,157	438,434	263,430	113,934	61,070	48,351	5,457
Less than 500 grams	2,273	2,218	2,139	69	10	-	-	-	-	-	2	53
500-999 grams	7,536	7,382	5,747	1,439	185	11	50	36	8	6	6	98
1,000-1,499 grams	7,949	7,309	1,280	4,098	1,788	143	438	315	78	45	89	113
1,500-1,999 grams	14,937	12,177	427	2,891	7,641	1,218	2,332	1,876	297	159	236	192
2,000-2,499 grams	44,560	21,412	329	1,506	13,234	6,343	21,054	16,750	2,898	1,406	1,648	446
2,500-2,999 grams	138,659	25,327	431	1,634	12,089	11,173	103,017	73,530	20,305	9,182	9,040	1,275
3,000-3,499 grams	224,383	18,336	-	1,535	8,952	7,849	184,282	109,734	49,461	25,087	20,081	1,684
3,500-3,999 grams	121,528	6,690	-	567	3,347	2,776	100,779	49,666	32,166	18,947	13,210	849
4,000-4,499 grams	27,199	1,140	-	-	610	530	22,463	9,665	7,488	5,310	3,370	226
4,500-4,999 grams	4,140	185	-	-	100	85	3,343	1,493	1,050	800	573	39
5,000 grams or more	565	27	-	-	17	10	463	234	131	98	69	6
Not stated	1,052	336	243	27	47	19	213	131	52	30	27	476
Percent												
Very low birthweight ⁴	3.0	16.5	88.5	40.8	4.1	0.5	0.1	0.1	0.1	0.1	0.2	5.3
Low birthweight ⁵	13.0	49.4	95.8	72.8	47.6	25.6	5.4	7.2	2.9	2.6	4.1	18.1
Number												
Black, non-Hispanic	578,099	100,371	10,390	13,509	46,995	29,477	425,729	256,301	110,426	59,002	46,962	5,037
Less than 500 grams	2,221	2,167	2,090	67	10	-	-	-	-	-	2	52
500-999 grams	7,387	7,239	5,631	1,417	180	11	49	35	8	6	6	93
1,000-1,499 grams	7,811	7,185	1,260	4,017	1,766	142	426	308	74	44	88	112
1,500-1,999 grams	14,660	11,954	418	2,844	7,494	1,198	2,287	1,839	295	153	233	186
2,000-2,499 grams	43,627	20,967	325	1,478	12,951	6,213	20,612	16,401	2,841	1,370	1,619	429
2,500-2,999 grams	135,480	24,822	427	1,605	11,854	10,936	100,592	71,826	19,816	8,950	8,856	1,210
3,000-3,499 grams	218,044	17,890	-	1,503	8,728	7,659	179,007	106,727	47,977	24,303	19,550	1,597
3,500-3,999 grams	117,360	6,495	-	551	3,256	2,688	97,339	48,080	31,037	18,222	12,743	783
4,000-4,499 grams	26,118	1,119	-	-	599	520	21,559	9,291	7,193	5,075	3,229	211
4,500-4,999 grams	3,967	181	-	-	99	82	3,202	1,439	1,004	759	546	38
5,000 grams or more	544	24	-	-	15	9	449	229	129	91	65	6
Not stated	880	328	239	27	43	19	207	126	52	29	25	320
Percent												
Very low birthweight ⁴	3.0	16.6	88.5	40.8	4.2	0.5	0.1	0.1	0.1	0.1	0.2	5.4
Low birthweight ⁵	13.1	49.5	95.8	72.9	47.7	25.7	5.5	7.3	2.9	2.7	4.2	18.5
Number												
Hispanic ⁶	701,339	74,850	3,944	7,493	36,765	26,648	549,392	310,366	153,740	85,286	62,824	14,273
Less than 500 grams	694	651	622	29	-	-	2	1	1	-	-	41
500-999 grams	3,030	2,868	2,124	641	99	4	34	20	8	6	5	123
1,000-1,499 grams	4,105	3,650	590	2,015	969	76	271	188	55	28	46	138
1,500-1,999 grams	8,196	6,481	176	1,546	4,121	638	1,336	1,071	171	94	142	237
2,000-2,499 grams	27,987	13,148	131	713	8,399	3,905	13,284	10,543	1,847	894	972	583
2,500-2,999 grams	116,713	18,978	210	848	9,006	8,914	88,150	62,374	17,562	8,214	7,308	2,277
3,000-3,499 grams	276,870	18,401	-	1,127	8,780	8,494	228,924	134,521	62,462	31,941	24,347	5,198
3,500-3,999 grams	199,955	8,408	-	562	4,204	3,642	165,788	80,075	53,917	31,796	21,762	3,997
4,000-4,499 grams	53,916	1,806	-	-	988	818	43,909	18,308	15,219	10,382	6,959	1,242
4,500-4,999 grams	8,315	283	-	-	148	135	6,715	2,817	2,203	1,695	1,132	185
5,000 grams or more	1,028	40	-	-	24	16	831	369	258	204	132	25
Not stated	530	136	91	12	27	6	148	79	37	32	19	227
Percent												
Very low birthweight ⁴	1.1	9.6	86.6	35.9	2.9	0.3	0.1	0.1	0.0	0.0	0.1	2.2
Low birthweight ⁵	6.3	35.9	94.5	66.1	37.0	17.4	2.7	3.8	1.4	1.2	1.9	8.0

- Quantity zero.

0.0 Quantity more than zero but less than 0.05.

¹ Equivalents of the gram weights in pounds and ounces are shown in the Technical notes.

² Expressed in completed weeks.

³ Includes races other than white and black and origin not stated.

⁴ Birthweight of less than 1,500 grams.

⁵ Birthweight of less than 2,500 grams.

⁶ Persons of Hispanic origin may be of any race.

Table 44. Percent of live births preterm and percent of live births of low birthweight and very low birthweight, by race of mother: United States, 1981-96

Year	Preterm ¹			Low birthweight ³			Very low birthweight ⁴		
	All races ²	White	Black	All races ²	White	Black	All races ²	White	Black
1996	11.0	9.8	17.4	7.4	6.3	13.0	1.37	1.09	2.99
1995	11.0	9.7	17.7	7.3	6.2	13.1	1.35	1.06	2.97
1994	11.0	9.6	18.1	7.3	6.1	13.2	1.33	1.02	2.96
1993	11.0	9.5	18.5	7.2	6.0	13.3	1.33	1.01	2.96
1992	10.7	9.1	18.4	7.1	5.8	13.3	1.29	0.96	2.96
1991	10.8	9.1	18.9	7.1	5.8	13.6	1.29	0.96	2.96
1990	10.6	8.9	18.8	7.0	5.7	13.3	1.27	0.95	2.92
1989	10.6	8.8	18.9	7.0	5.7	13.5	1.28	0.95	2.95
1988	10.2	8.5	18.7	6.9	5.7	13.3	1.24	0.93	2.86
1987	10.2	8.5	18.4	6.9	5.7	13.0	1.24	0.94	2.79
1986	10.0	8.4	18.0	6.8	5.7	12.8	1.21	0.93	2.73
1985	9.8	8.2	17.8	6.8	5.7	12.6	1.21	0.93	2.71
1984 ⁵	9.4	7.9	17.1	6.7	5.6	12.6	1.19	0.93	2.60
1983 ⁵	9.6	8.0	17.7	6.8	5.7	12.8	1.19	0.92	2.60
1982 ⁵	9.5	8.0	17.4	6.8	5.6	12.6	1.18	0.91	2.56
1981 ⁵	9.4	7.9	17.3	6.8	5.7	12.7	1.16	0.91	2.52

- ¹ Births of less than 37 completed weeks gestation.
- ² Includes races other than white and black.
- ³ Less than 2,500 grams (5 lb. 8 oz).
- ⁴ Less than 1,500 grams (3 lb. 4 oz).
- ⁵ 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 the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

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, 1998

Age and race and Hispanic origin of mother	Low birthweight ¹		Birthweight ²												
	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
All races ³															
All ages	287,230	7.4	3,891,494	5,462	21,094	26,869	55,943	177,862	639,110	1,434,698	1,127,294	336,514	65,558	6,268	4,822
Under 15 years	1,422	12.8	11,148	34	157	161	289	781	2,903	4,367	2,056	350	27	3	20
15-19 years	45,667	9.3	491,577	839	3,426	4,201	8,539	28,662	105,280	196,839	115,186	24,728	3,028	230	619
15 years	3,196	11.2	28,540	64	270	318	618	1,926	6,778	11,537	5,764	1,098	120	6	41
16 years	6,037	10.0	60,287	111	498	603	1,125	3,700	13,835	24,331	13,150	2,595	243	21	75
17 years	9,374	9.7	96,894	163	674	852	1,747	5,938	21,218	39,155	21,836	4,584	557	36	134
18 years	12,506	9.3	135,059	244	897	1,139	2,401	7,825	28,870	53,945	32,024	6,689	803	69	153
19 years	14,554	8.5	170,797	257	1,087	1,289	2,648	9,273	34,579	67,871	42,412	9,762	1,305	98	216
20-24 years	69,809	7.4	945,210	1,389	4,937	6,125	12,973	44,385	170,289	365,392	258,783	68,692	10,091	995	1,159
25-29 years	69,499	6.5	1,071,287	1,351	5,253	6,401	13,315	43,179	161,557	392,935	327,639	100,223	16,379	1,856	1,199
30-34 years	61,331	6.8	897,913	1,126	4,422	5,793	12,485	37,505	127,695	315,106	281,123	93,262	16,403	1,877	1,116
35-39 years	32,268	8.1	399,510	581	2,391	3,374	6,762	19,160	59,530	135,479	121,067	41,418	8,127	1,062	559
40-44 years	6,782	9.5	71,804	137	480	765	1,462	3,938	11,331	23,611	20,670	7,588	1,452	228	142
45-49 years	452	14.9	3,045	5	28	49	118	252	525	969	770	253	51	17	8
White, total															
All ages	195,819	6.3	3,093,057	3,006	12,785	17,782	38,421	123,825	458,830	1,127,144	956,042	296,883	49,494	5,415	3,430
Under 15 years	579	10.5	5,526	12	63	69	112	323	1,284	2,248	1,173	234	15	3	10
15-19 years	27,238	7.9	344,685	432	1,902	2,392	5,123	17,389	66,645	138,613	88,942	20,194	2,498	188	367
15 years	1,634	9.6	16,978	35	130	162	333	974	3,478	6,960	3,967	828	90	3	18
16 years	3,390	8.6	39,401	62	274	323	627	2,104	8,090	16,000	9,623	2,047	196	17	38
17 years	5,489	8.2	66,997	72	392	500	1,023	3,612	13,259	27,317	16,627	3,733	462	32	78
18 years	7,614	7.9	96,246	125	512	663	1,497	4,817	18,680	38,628	25,048	5,461	656	57	102
19 years	9,111	7.3	125,063	138	604	744	1,643	5,982	23,138	49,708	33,677	8,125	1,094	79	131
20-24 years	45,667	6.3	726,669	715	2,785	3,873	8,574	29,720	119,256	279,281	213,094	59,009	8,748	836	778
25-29 years	49,346	5.6	878,449	766	3,299	4,399	9,460	31,422	120,483	318,176	283,770	89,498	14,692	1,610	874
30-34 years	44,550	6.0	747,436	669	2,843	4,154	9,117	27,767	97,137	258,637	245,648	84,082	14,877	1,647	858
35-39 years	23,305	7.1	329,782	325	1,575	2,323	4,921	14,161	45,186	110,495	105,127	36,992	7,337	919	421
40-44 years	4,764	8.2	58,062	83	296	525	1,022	2,838	8,452	18,932	17,660	6,659	1,284	196	115
45-49 years	370	15.2	2,448	4	22	47	92	205	407	762	628	215	43	16	7
White, non-Hispanic															
All ages	149,839	6.4	2,358,989	2,235	9,609	13,521	29,786	94,688	338,305	839,320	745,169	239,174	40,507	4,333	2,342
Under 15 years	285	11.3	2,532	5	36	33	63	148	553	950	589	136	12	1	6
15-19 years	18,257	8.1	225,197	318	1,305	1,697	3,463	11,574	41,780	87,590	60,637	14,630	1,927	145	231
15 years	863	9.5	9,071	26	80	82	173	502	1,792	3,532	2,294	528	61	2	9
16 years	2,063	8.9	23,312	46	174	193	385	1,265	4,477	9,122	6,065	1,412	139	13	21
17 years	3,564	8.4	42,686	55	259	338	682	2,230	8,104	16,806	11,130	2,661	345	24	52
18 years	5,240	8.2	64,290	91	357	437	1,041	3,314	12,123	24,964	17,413	3,933	515	43	59
19 years	6,527	7.6	85,838	100	435	547	1,182	4,263	15,294	33,166	23,735	6,096	867	63	90
20-24 years	32,675	6.4	508,056	520	1,989	2,769	6,298	21,099	81,124	189,813	162,221	44,286	6,777	642	518
25-29 years	38,834	5.7	683,376	568	2,542	3,493	7,505	24,726	91,692	242,996	223,642	72,242	12,036	1,308	626
30-34 years	36,465	5.9	616,224	512	2,273	3,340	7,482	22,858	78,751	210,923	204,792	70,847	12,542	1,321	583
35-39 years	19,184	7.0	274,431	250	1,218	1,843	4,081	11,792	37,258	91,179	88,310	31,336	6,111	756	297
40-44 years	3,816	8.1	47,215	61	224	400	814	2,317	6,820	15,267	14,496	5,525	1,064	151	76
45-49 years	323	16.5	1,958	1	22	46	80	174	327	602	482	172	38	9	5

See footnotes at end of table.

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, 1996--Con.

Age and race and Hispanic origin of mother	Low birthweight ¹		Birthweight ²												
	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
Black, total															
All ages	77,255	13.0	594,781	2,273	7,536	7,949	14,937	44,560	138,659	224,383	121,528	27,199	4,140	565	1,052
Under 15 years	797	15.4	5,193	21	92	80	165	439	1,519	1,961	799	99	9	-	9
15-19 years	17,104	13.1	130,596	392	1,428	1,685	3,155	10,444	34,929	51,621	22,615	3,695	400	30	202
15 years	1,454	13.9	10,498	28	128	146	263	889	3,050	4,128	1,588	232	22	2	22
16 years	2,465	13.2	18,753	45	209	267	458	1,486	5,277	7,448	3,066	438	34	1	24
17 years	3,630	13.6	26,775	85	272	331	672	2,270	7,220	10,577	4,506	715	75	4	48
18 years	4,511	13.1	34,394	116	367	438	829	2,761	9,188	13,573	5,967	997	107	11	40
19 years	5,044	12.6	40,176	118	452	503	933	3,038	10,194	15,895	7,488	1,313	162	12	68
20-24 years	21,345	11.9	179,361	636	2,021	2,070	3,932	12,686	42,556	70,315	36,310	7,398	1,017	119	301
25-29 years	16,338	12.3	133,204	545	1,764	1,704	3,203	9,122	28,699	49,859	29,442	7,320	1,140	167	239
30-34 years	13,139	14.0	94,295	415	1,383	1,369	2,685	7,287	19,676	33,326	21,275	5,572	978	142	187
35-39 years	6,991	16.0	43,716	218	698	850	1,472	3,753	9,453	14,647	9,345	2,605	494	86	95
40-44 years	1,488	18.4	8,124	46	144	189	309	800	1,766	2,560	1,676	495	100	21	18
45-49 years	53	18.2	292	-	6	2	16	29	61	94	66	15	2	-	1
Black, non-Hispanic															
All ages	75,706	13.1	578,099	2,221	7,387	7,811	14,660	43,627	135,480	218,044	117,360	26,118	3,967	544	880
Under 15 years	786	15.5	5,084	21	91	80	162	432	1,490	1,917	778	96	9	-	8
15-19 years	16,817	13.2	127,616	385	1,407	1,661	3,105	10,259	34,254	50,364	21,980	3,603	388	29	181
15 years	1,440	14.0	10,301	28	127	145	263	877	2,990	4,048	1,552	228	21	2	20
16 years	2,430	13.2	18,367	45	207	264	452	1,462	5,190	7,278	2,985	429	33	1	21
17 years	3,559	13.6	26,134	83	269	324	660	2,223	7,091	10,288	4,377	701	71	4	43
18 years	4,431	13.2	33,616	112	364	429	811	2,715	9,006	13,271	5,792	965	104	10	37
19 years	4,957	12.7	39,198	117	440	499	919	2,982	9,977	15,479	7,274	1,280	159	12	60
20-24 years	20,973	12.0	174,958	624	1,987	2,040	3,865	12,457	41,683	68,566	35,254	7,136	973	116	257
25-29 years	15,987	12.4	129,002	528	1,728	1,673	3,154	8,904	27,957	48,296	28,340	6,989	1,088	160	185
30-34 years	12,824	14.1	91,050	402	1,351	1,337	2,622	7,112	19,132	32,198	20,365	5,302	942	136	151
35-39 years	6,818	16.2	42,279	217	679	830	1,437	3,655	9,196	14,146	8,978	2,505	469	83	84
40-44 years	1,451	18.6	7,835	44	138	188	301	780	1,709	2,472	1,602	472	96	20	13
45-49 years	50	18.2	275	-	6	2	14	28	59	85	63	15	2	-	1
Hispanic ⁴															
All ages	44,012	6.3	701,339	694	3,030	4,105	8,196	27,987	116,713	276,870	199,955	53,916	8,315	1,028	530
Under 15 years	301	9.9	3,056	7	28	36	51	179	731	1,319	602	96	3	2	2
15-19 years	8,958	7.5	118,878	109	601	797	1,639	5,812	24,830	50,914	28,046	5,426	559	46	99
15 years	779	9.8	7,971	9	49	62	161	478	1,733	3,446	1,683	295	28	1	6
16 years	1,332	8.3	16,139	14	99	127	242	850	3,619	6,903	3,577	632	57	5	14
17 years	1,929	8.0	24,234	18	128	165	336	1,282	5,167	10,505	5,449	1,040	115	8	21
18 years	2,355	7.4	31,711	33	151	227	451	1,493	6,537	13,610	7,538	1,489	138	15	29
19 years	2,563	6.6	38,823	35	174	196	449	1,709	7,774	16,450	9,799	1,970	221	17	29
20-24 years	12,668	5.9	214,173	172	779	1,076	2,216	8,425	37,657	87,969	59,377	14,251	1,898	188	165
25-29 years	9,966	5.4	185,478	180	720	868	1,831	6,367	27,673	71,895	56,880	16,180	2,467	287	130
30-34 years	7,439	6.2	119,690	150	507	766	1,502	4,514	17,025	43,840	37,000	11,884	2,115	306	81
35-39 years	3,762	7.6	49,812	54	325	449	752	2,182	7,242	17,467	15,053	5,028	1,072	148	40
40-44 years	881	9.0	9,819	19	70	112	196	484	1,484	3,323	2,864	1,014	197	44	12
45-49 years	37	8.6	433	3	-	1	9	24	71	143	133	37	4	7	1

- Quantity zero.

¹ Less than 2,500 grams.

² Equivalents of gram weights in terms of pounds and ounces are shown in Technical notes.

³ Includes races other than white and black and origin not stated.

⁴ Persons of Hispanic origin may be of any race.

Table 46. Number and percent of births of low birthweight by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence. Low birthweight is birthweight of less than 2,500 grams (5 lb 8 oz)]

State	Number						Percent					
	All races ¹	White		Black		Hispanic ²	All races ¹	White		Black		Hispanic ²
		Total	Non-Hispanic	Total	Non-Hispanic			Total	Non-Hispanic	Total	Non-Hispanic	
United States ³	287,230	195,819	149,839	77,255	75,706	44,012	7.4	6.3	6.4	13.0	13.1	6.3
Alabama	5,614	2,893	2,837	2,668	2,665	60	9.3	7.2	7.2	13.6	13.7	6.4
Alaska	549	339	318	51	48	39	5.5	5.0	5.1	12.1	12.4	6.0
Arizona	5,039	4,287	2,552	288	277	1,767	6.7	6.5	6.6	12.4	12.4	6.3
Arkansas	3,077	1,959	1,886	1,072	1,066	77	8.5	7.0	7.1	13.6	13.6	5.9
California	32,729	24,044	10,307	4,544	4,418	13,820	6.1	5.5	5.6	11.8	11.9	5.4
Colorado	4,906	4,334	3,253	387	370	1,064	8.8	8.5	8.4	15.0	15.1	8.6
Connecticut	3,203	2,417	1,792	674	633	494	7.2	6.4	5.9	12.9	13.1	8.7
Delaware	863	509	461	334	331	50	8.5	6.7	6.7	14.1	14.1	7.6
District of Columbia	1,196	148	88	1,034	1,026	62	14.3	7.2	7.1	16.7	16.7	8.0
Florida	14,868	9,348	7,159	5,171	5,067	2,281	7.9	6.6	6.6	12.2	12.3	6.4
Georgia	9,729	4,692	4,309	4,887	4,853	339	8.5	6.4	6.5	12.7	12.7	5.4
Hawaii	1,330	234	200	44	41	131	7.3	4.9	4.9	8.6	8.4	6.1
Idaho	1,071	1,023	863	3	3	146	5.8	5.7	5.5	*	*	6.7
Illinois	14,617	8,842	6,940	5,246	5,221	1,919	8.0	6.3	6.4	14.5	14.5	5.8
Indiana	6,327	5,040	4,820	1,217	1,210	208	7.6	6.9	6.9	13.9	13.9	7.1
Iowa	2,359	2,125	2,003	154	145	88	6.4	6.0	6.0	14.7	14.8	5.9
Kansas	2,545	2,107	1,896	370	370	194	6.9	6.4	6.5	13.4	13.5	6.0
Kentucky	4,144	3,499	3,456	616	613	41	7.9	7.4	7.4	12.7	12.7	7.4
Louisiana	6,440	2,561	2,500	3,777	3,769	66	9.9	6.9	6.9	14.3	14.3	5.2
Maine	809	786	766	12	12	6	5.9	5.8	5.9	*	*	*
Maryland	6,158	2,914	2,692	3,064	3,018	201	8.6	6.3	6.4	13.4	13.4	6.2
Massachusetts	5,069	4,082	3,510	750	655	613	6.4	6.0	5.7	10.4	11.2	8.0
Michigan	10,187	6,717	6,044	3,268	3,198	306	7.7	6.4	6.4	13.6	13.5	6.1
Minnesota	3,707	3,094	2,866	373	370	137	5.8	5.4	5.7	12.0	12.1	5.9
Mississippi	4,047	1,571	1,555	2,440	2,439	17	9.9	7.3	7.4	12.9	12.9	*
Missouri	5,540	4,012	3,911	1,428	1,425	96	7.5	6.5	6.5	12.8	12.9	6.3
Montana	694	593	544	5	5	24	6.4	6.2	6.1	*	*	8.1
Nebraska	1,462	1,287	1,150	129	128	119	6.3	6.0	6.0	10.7	10.7	6.4
Nevada	1,960	1,528	1,100	276	271	430	7.5	6.8	7.2	14.0	14.0	6.2
New Hampshire	695	673	631	8	7	15	4.8	4.7	4.6	*	*	*
New Jersey	8,741	5,499	4,129	2,677	2,592	1,380	7.7	6.4	6.2	13.1	13.5	7.1
New Mexico	2,046	1,741	732	63	58	1,021	7.5	7.5	7.3	13.5	13.3	7.7
New York	20,231	12,487	7,211	6,575	5,915	3,970	7.7	6.5	6.1	11.9	12.3	7.5
North Carolina	9,115	5,022	4,702	3,767	3,755	335	8.7	6.8	6.9	13.9	13.9	6.2
North Dakota	479	423	411	9	8	9	5.7	5.7	5.8	*	*	*
Ohio	11,387	8,326	8,111	2,901	2,891	205	7.5	6.5	6.5	13.2	13.2	6.8
Oklahoma	3,372	2,487	2,299	582	579	192	7.4	6.8	6.8	13.1	13.1	6.8
Oregon	2,325	2,099	1,776	100	100	323	5.3	5.2	5.1	11.2	11.5	5.9
Pennsylvania	11,153	8,028	7,397	2,891	2,850	638	7.5	6.5	6.3	14.1	14.1	9.5
Rhode Island	869	723	502	112	90	122	6.9	6.5	6.1	12.0	12.1	7.4
South Carolina	4,698	2,263	2,202	2,374	2,370	62	9.2	7.0	7.0	13.2	13.2	6.4
South Dakota	611	506	495	8	8	11	5.8	5.8	5.8	*	*	*
Tennessee	6,515	4,148	4,047	2,272	2,268	99	8.8	7.3	7.3	14.2	14.2	7.0
Texas	23,782	18,326	8,934	4,803	4,770	9,392	7.2	6.5	6.4	12.4	12.4	6.6
Utah	2,790	2,625	2,299	39	38	322	6.6	6.6	6.4	12.0	15.1	8.2
Vermont	417	412	383	1	1	4	6.2	6.2	6.0	*	*	*
Virginia	7,056	4,205	3,838	2,546	2,538	369	7.7	6.3	6.2	12.2	12.2	7.2
Washington	4,327	3,572	2,951	333	313	489	5.6	5.3	5.2	10.8	10.9	5.5
West Virginia	1,653	1,554	1,550	92	92	6	8.0	7.8	7.8	12.4	12.5	*
Wisconsin	4,200	3,219	3,019	814	810	203	6.3	5.6	5.5	12.7	12.7	6.5
Wyoming	529	496	442	6	6	50	8.4	8.3	8.1	*	*	9.6
Puerto Rico	6,569	6,030	—	534	—	—	10.4	10.4	—	10.7	—	—
Virgin Islands	142	19	2	119	103	16	7.5	*	*	7.9	7.6	*
Guam	304	11	10	3	3	1	7.2	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

— Data not available.

¹ Includes races other than white and black and origin not stated.

² Persons of Hispanic origin may be of any race.

³ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 47. Number and percent of births of very low birthweight by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams (3 lb 4 oz)]

State	Number						Percent					
	All races ¹	White		Black		Hispanic ²	All races ¹	White		Black		Hispanic ²
		Total	Non-Hispanic	Total	Non-Hispanic			Total	Non-Hispanic	Total	Non-Hispanic	
United States ³	53,425	33,573	25,365	17,758	17,419	7,829	1.4	1.1	1.1	3.0	3.0	1.1
Alabama	1,166	536	520	623	621	18	1.9	1.3	1.3	3.2	3.2	*
Alaska	98	52	46	15	13	14	1.0	0.8	0.7	*	*	*
Arizona	842	709	407	68	67	306	1.1	1.1	1.1	2.9	3.0	1.1
Arkansas	596	350	339	238	235	13	1.6	1.3	1.3	3.0	3.0	*
California	5,813	4,238	1,675	971	944	2,571	1.1	1.0	0.9	2.5	2.5	1.0
Colorado	715	634	466	61	58	159	1.3	1.2	1.2	2.4	2.4	1.3
Connecticut	653	459	323	171	160	105	1.5	1.2	1.1	3.3	3.3	1.9
Delaware	183	99	92	79	79	7	1.8	1.3	1.3	3.3	3.4	*
District of Columbia	296	20	15	274	271	7	3.5	1.0	*	4.4	4.4	*
Florida	2,831	1,606	1,210	1,172	1,148	413	1.5	1.1	1.1	2.8	2.8	1.2
Georgia	1,915	797	725	1,099	1,094	63	1.7	1.1	1.1	2.9	2.9	1.0
Hawaii	196	45	42	9	8	17	1.1	0.9	1.0	*	*	*
Idaho	158	148	122	1	1	21	0.8	0.8	0.8	*	*	1.0
Illinois	2,759	1,545	1,219	1,141	1,136	330	1.5	1.1	1.1	3.2	3.2	1.0
Indiana	1,168	890	834	270	270	50	1.4	1.2	1.2	3.1	3.1	1.7
Iowa	449	396	368	40	39	15	1.2	1.1	1.1	3.8	4.0	*
Kansas	508	402	363	94	94	35	1.4	1.2	1.2	3.4	3.4	1.1
Kentucky	715	581	572	131	131	8	1.4	1.2	1.2	2.7	2.7	*
Louisiana	1,233	410	405	808	806	8	1.9	1.1	1.1	3.1	3.1	*
Maine	167	162	157	3	3	1	1.2	1.2	1.2	*	*	*
Maryland	1,357	511	462	816	808	44	1.9	1.1	1.1	3.6	3.6	1.4
Massachusetts	907	693	585	181	164	105	1.1	1.0	0.9	2.5	2.8	1.4
Michigan	1,989	1,210	1,094	745	727	60	1.5	1.1	1.2	3.1	3.1	1.2
Minnesota	706	571	536	89	87	30	1.1	1.0	1.1	2.9	2.9	1.3
Mississippi	787	246	245	533	533	1	1.9	1.1	1.2	2.8	2.8	*
Missouri	944	631	608	302	302	22	1.3	1.0	1.0	2.7	2.7	1.5
Montana	121	105	90	-	-	6	1.1	1.1	1.0	*	*	*
Nebraska	290	255	227	31	31	26	1.2	1.2	1.2	2.6	2.6	1.4
Nevada	263	209	163	52	52	46	1.1	0.9	1.1	2.6	2.7	0.7
New Hampshire	118	115	103	-	-	3	0.8	0.8	0.8	*	*	*
New Jersey	1,765	1,016	755	673	656	253	1.5	1.2	1.1	3.3	3.4	1.3
New Mexico	312	261	107	12	12	158	1.1	1.1	1.1	*	*	1.2
New York	3,923	2,130	1,172	1,630	1,486	729	1.5	1.1	1.0	2.9	3.1	1.4
North Carolina	1,664	908	860	891	888	54	1.8	1.2	1.3	3.3	3.3	1.0
North Dakota	73	62	59	2	1	2	0.9	0.8	0.8	*	*	*
Ohio	2,143	1,450	1,405	674	672	42	1.4	1.1	1.1	3.1	3.1	1.4
Oklahoma	518	333	313	137	136	21	1.1	0.9	0.9	3.1	3.1	0.7
Oregon	392	349	288	18	18	62	0.9	0.9	0.8	*	*	1.1
Pennsylvania	2,070	1,390	1,280	650	637	114	1.4	1.1	1.1	3.2	3.2	1.7
Rhode Island	129	98	64	27	22	21	1.0	0.9	0.8	2.9	3.0	1.3
South Carolina	922	384	367	531	531	16	1.8	1.2	1.2	3.0	3.0	*
South Dakota	101	79	79	2	2	1	1.0	0.9	0.9	*	*	*
Tennessee	1,255	712	701	531	531	11	1.7	1.3	1.3	3.3	3.3	*
Texas	4,121	3,019	1,452	1,011	1,004	1,571	1.2	1.1	1.0	2.6	2.6	1.1
Utah	457	417	363	12	12	53	1.1	1.0	1.0	*	*	1.3
Vermont	63	63	53	-	-	1	0.9	0.9	0.8	*	*	*
Virginia	1,418	726	657	651	646	70	1.5	1.1	1.1	3.1	3.1	1.4
Washington	788	642	528	80	75	87	1.0	1.0	0.9	2.6	2.6	1.0
West Virginia	253	233	232	18	18	2	1.2	1.2	1.2	*	*	*
Wisconsin	829	612	563	190	189	49	1.2	1.1	1.0	3.0	3.0	1.6
Wyoming	66	64	54	1	1	8	1.1	1.1	1.0	*	*	*
Puerto Rico	841	773	-	67	-	-	1.3	1.3	-	1.3	-	-
Virgin Islands	39	3	-	35	27	4	2.0	*	*	2.3	2.0	*
Guam	32	2	1	-	-	1	0.8	*	*	*	*	*

* Figure does not meet standards of reliability or precision.
 - Quantity zero.
 — Data not available.
¹ Includes races other than white and black and origin not stated.
² Persons of Hispanic origin may be of any race.
³ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 1996

[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 ¹	Abnormal condition reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ²										
Anemia	3,891,494	4,240	1.1	1.2	1.1	1.1	1.1	1.2	1.2	70,766
Birth injury ³	3,457,526	10,676	3.2	3.1	3.2	3.4	3.1	2.9	2.7	71,053
Fetal alcohol syndrome ⁴	3,824,388	276	0.1	*	0.1	0.1	0.1	0.1	*	71,923
Hyaline membrane disease/RDS	3,891,494	25,266	6.6	7.9	6.8	6.3	6.0	6.5	6.7	70,766
Meconium aspiration syndrome	3,891,494	9,483	2.5	2.7	2.6	2.4	2.3	2.5	2.8	70,766
Assisted ventilation less than 30 minutes ⁵	3,768,538	77,028	20.9	21.6	20.0	20.5	20.9	22.5	24.4	78,493
Assisted ventilation 30 minutes or longer ⁵	3,768,538	31,996	8.7	10.5	8.7	8.1	8.0	8.9	10.9	78,493
Seizures	3,891,494	2,380	0.6	0.7	0.7	0.6	0.6	0.6	0.8	70,766
White										
Anemia	3,093,062	3,101	1.0	1.1	1.0	1.0	1.0	1.1	1.1	56,048
Birth injury ³	2,720,759	9,011	3.4	3.6	3.5	3.6	3.2	3.0	2.8	57,240
Fetal alcohol syndrome ⁴	3,035,128	156	0.1	*	0.0	0.1	0.0	0.1	*	57,151
Hyaline membrane disease/RDS	3,093,062	20,349	6.7	8.1	6.9	6.5	6.1	6.5	6.7	56,048
Meconium aspiration syndrome	3,093,062	7,208	2.4	2.7	2.5	2.3	2.2	2.4	2.6	56,048
Assisted ventilation less than 30 minutes ⁵	3,023,488	61,757	20.9	21.1	19.7	20.6	21.0	22.7	24.8	62,637
Assisted ventilation 30 minutes or longer ⁵	3,023,488	24,616	8.3	10.2	8.3	7.8	7.7	8.5	10.5	62,637
Seizures	3,093,062	1,826	0.6	0.6	0.6	0.6	0.6	0.6	0.8	56,048
Black										
Anemia	594,782	914	1.6	1.4	1.4	1.7	1.6	1.8	2.4	10,838
Birth injury ³	547,344	934	1.7	1.8	1.7	1.8	1.7	1.7	*	9,999
Fetal alcohol syndrome ⁴	588,351	98	0.2	*	*	0.2	0.4	*	*	10,875
Hyaline membrane disease/RDS	594,782	4,178	7.2	7.6	7.0	6.9	6.7	8.1	8.0	10,838
Meconium aspiration syndrome	594,782	1,883	3.2	2.9	2.9	3.5	3.6	3.6	4.9	10,838
Assisted ventilation less than 30 minutes ⁵	554,031	12,026	22.2	22.6	21.3	21.2	22.8	25.2	25.4	11,327
Assisted ventilation 30 minutes or longer ⁵	554,031	6,085	11.2	11.2	10.3	11.2	11.7	13.1	17.1	11,327
Seizures	594,782	467	0.8	0.8	0.8	0.8	0.8	0.8	*	10,838

* Figure does not meet standards of reliability or precision

0.0 Quantity more than zero but less than 0.05.

¹ Total number of births to residents of areas reporting specified condition.

² Includes races other than white and black.

³ Massachusetts, Nebraska, and Texas do not report this condition.

⁴ Wisconsin does not report this condition.

⁵ New York City does not report this condition.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1996

[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 ¹	Congenital anomaly reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ²										
Anencephalus	3,864,266	486	12.8	14.1	12.0	13.0	13.3	12.0	*	56,424
Spina bifida/Meningocele	3,864,266	984	25.8	27.1	31.0	27.0	21.7	18.2	*	56,424
Hydrocephalus	3,864,266	1,047	27.5	33.6	28.6	26.1	24.5	22.5	56.1	56,424
Microcephalus	3,864,266	310	8.1	9.8	7.1	8.2	7.7	8.7	*	56,424
Other central nervous system anomalies	3,864,266	854	22.4	26.7	23.1	22.3	19.0	22.3	28.7	56,424
Heart malformations	3,864,266	4,398	115.5	107.3	111.9	111.2	117.7	128.5	182.0	56,424
Other circulatory/respiratory anomalies	3,864,266	5,234	137.5	143.8	143.0	126.0	133.5	145.6	192.9	56,424
Rectal atresia/stenosis	3,864,266	343	9.0	11.0	8.9	7.5	9.1	10.7	*	56,424
Tracheo-esophageal fistula/Esophageal atresia	3,864,266	562	14.8	14.9	13.5	13.9	16.8	14.3	*	56,424
Omphalocele/Gastroschisis	3,864,266	1,029	27.0	52.1	35.0	22.3	14.8	17.7	*	56,424
Other gastrointestinal anomalies	3,864,266	1,259	33.1	37.9	30.8	34.5	29.0	35.8	42.4	56,424
Malformed genitalia	3,864,266	2,875	75.5	79.0	69.8	74.8	76.7	84.4	72.5	56,424
Renal agenesis	3,864,266	511	13.4	15.1	11.5	15.4	12.6	12.0	*	56,424
Other urogenital anomalies	3,864,266	4,505	118.3	106.7	106.6	116.9	129.1	134.8	146.4	56,424
Cleft lip/palate	3,864,266	3,307	86.8	91.6	91.9	84.6	83.5	85.0	72.5	56,424
Polydactyly/Syndactyly/Adactyly	3,864,266	3,242	85.1	111.4	94.4	78.4	74.0	73.4	83.5	56,424
Clubfoot	3,864,266	2,224	58.4	61.9	60.3	64.1	51.7	49.4	57.5	56,424
Diaphragmatic hernia	3,864,266	499	13.1	15.1	11.8	11.9	12.9	17.1	*	56,424
Other musculoskeletal/integumental anomalies	3,864,266	7,775	204.2	223.4	201.3	197.3	202.0	207.5	218.9	56,424
Down's syndrome	3,864,266	1,676	44.0	26.7	24.4	26.4	44.5	101.1	350.3	56,424
Other chromosomal anomalies	3,864,266	1,463	38.4	32.4	34.7	33.8	35.7	60.6	105.4	56,424
White										
Anencephalus	3,069,862	393	13.0	16.4	12.0	13.4	12.6	12.4	*	45,436
Spina bifida/Meningocele	3,069,862	833	27.5	31.4	34.2	28.7	22.8	17.7	*	45,436
Hydrocephalus	3,069,862	866	28.6	36.3	32.0	27.1	24.3	22.0	55.9	45,436
Microcephalus	3,069,862	219	7.2	7.3	7.2	6.9	8.1	7.1	*	45,436
Other central nervous system anomalies	3,069,862	691	22.8	25.5	23.2	23.6	19.4	23.6	*	45,436
Heart malformations	3,069,862	3,612	119.4	112.8	118.0	115.1	121.8	125.3	176.1	45,436
Other circulatory/respiratory anomalies	3,069,862	4,264	141.0	152.7	151.5	127.7	134.6	146.7	188.0	45,436
Rectal atresia/stenosis	3,069,862	291	9.6	12.9	9.3	7.9	9.6	12.1	*	45,436
Tracheo-esophageal fistula/Esophageal atresia	3,069,862	467	15.4	16.1	14.8	13.6	17.8	14.6	*	45,436
Omphalocele/Gastroschisis	3,069,862	794	26.3	56.3	34.9	21.7	13.8	16.8	*	45,436
Other gastrointestinal anomalies	3,069,862	1,024	33.9	36.6	33.0	35.6	28.8	38.5	40.6	45,436
Malformed genitalia	3,069,862	2,453	81.1	87.0	75.5	79.9	82.3	88.1	79.6	45,436
Renal agenesis	3,069,862	430	14.2	16.7	11.7	15.9	13.5	13.3	*	45,436
Other urogenital anomalies	3,069,862	3,910	129.3	118.1	122.4	124.5	139.1	141.8	155.8	45,436
Cleft lip/palate	3,069,862	2,881	95.3	110.5	100.8	91.3	89.7	93.4	77.9	45,436
Polydactyly/Syndactyly/Adactyly	3,069,862	1,838	60.8	70.6	64.5	56.4	57.3	61.4	62.7	45,436
Clubfoot	3,069,862	1,939	64.1	74.7	66.6	70.1	55.4	51.5	62.7	45,436
Diaphragmatic hernia	3,069,862	425	14.1	15.5	13.7	12.8	12.8	18.6	*	45,436
Other musculoskeletal/integumental anomalies	3,069,862	5,980	197.7	222.4	195.9	190.2	195.0	199.8	208.3	45,436
Down's syndrome	3,069,862	1,467	48.5	31.4	26.2	28.4	49.5	108.0	372.6	45,436
Other chromosomal anomalies	3,069,862	1,182	39.1	34.3	34.8	35.3	35.9	60.8	93.1	45,436

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, 1996 – 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 ¹	Congenital anomaly reported	Age of mother							Not stated	
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years		
Black											
Anencephalus	594,314	70	11.9	*	*	*	*	*	*	*	7,759
Spina bifida/Meningocele	594,314	114	19.4	17.9	18.1	19.8	*	*	*	*	7,759
Hydrocephalus	594,314	136	23.2	23.9	17.0	22.1	28.0	*	*	*	7,759
Microcephalus	594,314	77	13.1	15.7	*	16.0	*	*	*	*	7,759
Other central nervous system anomalies	594,314	119	20.3	26.9	19.8	17.5	*	*	*	*	7,759
Heart malformations	594,314	586	99.9	92.5	88.2	90.6	102.2	164.7	253.8	*	7,759
Other circulatory/respiratory anomalies	594,314	598	102.0	103.7	96.1	98.2	104.4	109.1	*	*	7,759
Rectal atresia/stenosis	594,314	34	5.8	*	*	*	*	*	*	*	7,759
Tracheo-esophageal fistula/Esophageal atresia	594,314	64	10.9	*	*	*	*	*	*	*	7,759
Omphalocele/Gastroschisis	594,314	187	31.9	38.8	32.8	30.5	22.6	*	*	*	7,759
Other gastrointestinal anomalies	594,314	187	31.9	39.5	24.9	32.0	34.4	*	*	*	7,759
Malformed genitalia	594,314	311	53.0	60.4	44.1	48.7	58.1	67.3	*	*	7,759
Renal agenesis	594,314	63	10.7	*	*	*	*	*	*	*	7,759
Other urogenital anomalies	594,314	423	72.1	79.1	50.9	75.4	86.1	99.8	*	*	7,759
Cleft lip/palate	594,314	264	45.0	43.3	53.1	42.6	43.0	*	*	*	7,759
Polydactyly/Syndactyly/Adactyly	594,314	1,291	220.1	220.8	219.9	228.5	222.8	183.3	241.7	*	7,759
Clubfoot	594,314	216	36.8	30.6	34.5	38.8	37.7	53.4	*	*	7,759
Diaphragmatic hernia	594,314	55	9.4	14.9	*	*	*	*	*	*	7,759
Other musculoskeletal/integumental anomalies	594,314	1,089	185.7	190.2	182.0	178.2	200.2	181.0	*	*	7,759
Down's syndrome	594,314	155	26.4	16.4	18.7	16.8	22.6	62.6	362.5	*	7,759
Other chromosomal anomalies	594,314	203	34.6	25.4	31.1	25.9	43.0	67.3	*	*	7,759

* Figure does not meet standards of reliability or precision.

¹ Total number of births.

² 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 the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported 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, 1996

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	45-49 years
			Total	15-17 years	18-19 years						
Number											
All live births											
All races ¹	3,891,494	11,148	491,577	185,721	305,856	945,210	1,071,287	897,913	399,510	71,804	3,045
White, total	3,093,057	5,526	344,685	123,376	221,309	726,669	878,449	747,436	329,762	58,062	2,448
White, non-Hispanic	2,358,989	2,532	225,197	75,069	150,128	508,056	683,376	616,224	274,431	47,215	1,958
Black, total	594,781	5,193	130,596	56,026	74,570	179,361	133,204	94,295	43,716	8,124	292
Black, non-Hispanic	578,099	5,084	127,616	54,802	72,814	174,958	129,002	91,050	42,279	7,835	275
Hispanic ²	701,339	3,056	118,878	48,344	70,534	214,173	185,478	119,690	49,812	9,819	433
Live births in single deliveries											
All races ¹	3,784,805	11,006	484,339	183,342	300,997	925,704	1,042,220	866,404	383,310	69,127	2,695
White, total	3,007,997	5,463	340,201	122,001	218,200	712,980	855,027	720,655	315,836	55,712	2,123
White, non-Hispanic	2,288,581	2,498	222,149	74,189	147,960	497,986	663,952	592,987	262,206	45,149	1,654
Black, total	577,057	5,122	128,049	55,087	72,962	174,193	128,606	90,800	42,106	7,900	281
Black, non-Hispanic	560,801	5,014	125,124	53,886	71,238	169,877	124,519	87,676	40,708	7,619	264
Hispanic ²	687,916	3,026	117,436	47,839	69,597	210,682	181,786	116,603	48,354	9,603	426
Live births in twin deliveries											
All races ¹	100,750	139	7,161	2,359	4,802	19,134	27,612	28,963	14,958	2,467	316
White, total	79,677	63	4,448	1,363	3,085	13,400	22,120	24,390	12,813	2,152	291
White, non-Hispanic	65,523	34	3,029	880	2,149	9,824	18,260	21,031	11,185	1,890	270
Black, total	17,285	68	2,510	931	1,579	5,088	4,470	3,388	1,538	212	11
Black, non-Hispanic	16,873	67	2,458	908	1,550	5,002	4,355	3,268	1,508	204	11
Hispanic ²	13,014	30	1,422	493	929	3,451	3,572	2,950	1,377	205	7
Live births in higher-order multiple deliveries ³											
All races ¹	5,939	3	77	20	57	372	1,455	2,546	1,242	210	34
White, total	5,383	-	36	12	24	289	1,302	2,391	1,133	198	34
White, non-Hispanic	4,885	-	19	-	19	246	1,164	2,206	1,040	176	34
Black, total	439	3	37	8	29	80	128	107	72	12	-
Black, non-Hispanic	425	3	34	8	26	79	128	106	63	12	-
Hispanic ²	409	-	20	12	8	40	120	137	81	11	-
Ratio per 1,000 live births											
All multiple births											
All races ¹	27.4	12.7	14.7	12.8	15.9	20.6	27.1	35.1	40.5	37.3	114.9
White, total	27.5	11.4	13.0	11.1	14.0	18.8	26.7	35.8	42.3	40.5	132.8
White, non-Hispanic	29.8	13.4	13.5	11.7	14.4	19.8	28.4	37.7	44.5	43.8	155.3
Black, total	29.8	13.7	19.5	16.8	21.6	28.8	34.5	37.1	36.8	27.6	*
Black, non-Hispanic	29.9	13.8	19.5	16.7	21.6	29.0	34.8	37.1	37.2	27.6	*
Hispanic ²	19.1	9.8	12.1	10.4	13.3	16.3	19.9	25.8	29.3	22.0	*
Twin births											
All races ¹	25.9	12.5	14.6	12.7	15.7	20.2	25.8	32.3	37.4	34.4	103.8
White, total	25.8	11.4	12.9	11.0	13.9	18.4	25.2	32.6	38.9	37.1	118.9
White, non-Hispanic	27.8	13.4	13.5	11.7	14.3	19.3	26.7	34.1	40.8	40.0	137.9
Black, total	29.1	13.1	19.2	16.6	21.2	28.4	33.6	35.9	35.2	26.1	*
Black, non-Hispanic	29.2	13.2	19.3	16.6	21.3	28.6	33.8	35.9	35.7	26.0	*
Hispanic ²	18.6	9.8	12.0	10.2	13.2	16.1	19.3	24.6	27.6	20.9	*
Ratio per 100,000 live births											
Higher-order multiple births ³											
All races ¹	152.6	*	15.7	10.8	18.6	39.4	135.8	283.5	310.9	292.5	1116.6
White, total	174.0	*	10.4	*	10.8	39.8	148.2	319.9	343.6	341.0	1388.9
White, non-Hispanic	207.1	*	*	*	*	48.4	170.3	358.0	379.0	372.8	1736.5
Black, total	73.8	*	28.3	*	38.9	44.6	96.1	113.5	164.7	*	*
Black, non-Hispanic	73.5	*	26.6	*	35.7	45.2	99.2	116.4	149.0	*	*
Hispanic ²	58.3	*	16.8	*	*	18.7	64.7	114.5	162.6	*	*

- Quantity zero.

* Figure does not meet standards of reliability or precision.

¹ Includes races other than white and black and origin not stated

² Persons of Hispanic origin may be of any race.

³ Births in greater than twin deliveries.

Technical notes

Source of data

Data shown in this report for 1996 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 (3)*. 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 six States (Hawaii, Kentucky, Nevada, North Dakota, Virginia, and Wyoming). Since 1964, mother's age has been edited for ages 10–49 years. Births reported to occur to mothers younger than age 10 or older than age 49 years have 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). As noted in the text section, "Births and birth rates," a small number of babies have been born to women aged 50 years and over, a consequence of the increased use of fertility-enhancing therapies. For this report, a limited analysis was done of the birth records for which the mother's age was reported as 50 years or over. It was not possible to verify independently the reported age for these records. Based on this analysis, about 100 women aged 50

years and over gave birth in 1996. The vast majority of these births were to women aged 50–54 years. Beginning with 1997 data, editing procedures will be revised to take into account recent changes in childbearing patterns by age. In 1996 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 of mother 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 is 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 (85). They include the recent revision of the birth certificate, effective with the 1989 data year, which includes many more health questions that are directly associated with the mother. In all these instances, it is more appropriate to tabulate births by the mother's race. Another factor influencing the decision to tabulate births by race of mother is the large proportion of births with race of father not stated, 15 percent in 1996. Although this proportion has stabilized and declined slightly in the 1990's, it is still much higher than in 1976, 10 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.

In 1996 race of mother was not reported for 0.7 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 electronically according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.3 percent of births in 1996.

Hispanic origin and race are reported independently on the birth certificate, as noted previously. 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. 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. Puerto Rico does not collect this information. 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. The percent of records for which Hispanic origin of the parents was not reported in 1996 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

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996
 [By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic origin		Educational attainment	Live-birth order	Length of Gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Total of reporting areas ¹	3,891,494	0.0	0.1	0.3	14.8	14.9	1.5	15.6	1.4	0.6	1.0	2.6	3.5
Alabama	60,488	—	—	0.1	25.5	25.6	0.0	25.5	0.4	0.0	0.1	0.7	1.0
Alaska	10,037	—	0.0	0.2	12.1	13.8	0.2	12.8	1.3	0.2	0.3	1.3	1.1
Arizona	75,322	0.0	0.1	0.3	25.5	29.0	0.2	29.1	1.7	0.1	0.1	1.1	2.7
Arkansas	36,371	0.0	0.1	0.5	20.0	20.3	0.1	20.2	1.0	0.3	0.4	2.0	2.5
California	539,433	0.0	0.4	0.0	5.8	3.8	0.4	3.4	1.2	0.1	² 4.8	1.2	2.7
Colorado	55,807	0.0	—	0.2	11.1	11.8	0.6	12.3	1.1	0.4	0.0	1.0	1.3
Connecticut	44,469	0.0	0.0	0.3	9.5	11.1	4.8	13.6	5.5	11.6	4.0	7.9	10.9
Delaware	10,155	—	0.0	0.3	24.9	29.9	0.2	29.7	0.3	0.1	0.1	1.0	1.1
District of Columbia	8,390	—	—	1.4	51.6	57.7	1.0	51.3	7.5	1.3	0.6	16.2	15.7
Florida	189,392	0.0	—	0.1	18.5	18.6	0.1	20.4	0.4	0.1	0.1	1.1	1.8
Georgia	114,043	0.0	0.0	0.3	18.9	19.2	0.9	19.5	1.1	0.3	0.1	1.8	1.4
Hawaii	18,401	0.0	0.0	0.1	10.4	10.5	0.1	9.4	0.3	0.1	5.8	2.9	3.2
Idaho	18,625	—	0.0	0.2	8.2	10.8	1.4	11.3	5.6	1.6	1.4	3.8	11.4
Illinois	183,180	0.0	0.0	0.1	16.6	17.4	0.1	17.5	0.7	0.1	0.2	1.8	2.1
Indiana	83,513	0.0	0.1	0.2	12.9	12.9	0.3	12.9	1.3	0.7	0.1	2.3	3.8
Iowa	37,139	0.0	0.0	0.3	13.4	14.8	1.3	15.6	1.9	0.1	0.1	1.6	5.2
Kansas	36,651	—	0.0	0.0	11.2	11.6	0.9	12.5	0.3	0.0	0.1	0.4	1.1
Kentucky	52,706	0.0	0.0	0.0	21.5	22.3	0.1	29.4	0.3	0.4	0.1	1.0	1.0
Louisiana	65,204	0.1	0.1	0.0	24.8	25.0	0.1	24.9	0.1	0.1	0.2	0.3	0.5
Maine	13,774	—	0.0	—	11.6	15.0	3.0	17.6	0.4	0.1	0.1	0.3	0.8
Maryland	71,533	0.0	0.0	0.9	8.7	10.2	1.4	7.0	3.8	5.3	1.3	10.8	16.9
Massachusetts	80,276	0.0	0.1	0.4	8.8	8.2	1.2	7.3	1.1	1.3	1.0	1.7	2.1
Michigan	133,387	0.0	0.1	0.1	17.8	19.8	4.8	23.5	1.1	1.0	0.1	3.6	5.0
Minnesota	63,700	0.1	0.1	0.0	9.2	11.9	6.3	16.7	2.2	0.3	1.3	4.5	3.8
Mississippi	40,987	0.0	0.0	0.1	26.1	25.8	0.1	25.9	0.2	0.1	0.2	0.6	0.6
Missouri	73,832	0.0	—	0.2	18.7	20.8	0.1	20.8	0.9	0.3	0.2	1.9	2.8
Montana	10,856	—	0.7	0.0	9.5	11.1	3.1	13.9	0.2	0.1	0.1	0.5	0.4
Nebraska	23,286	—	—	0.0	12.4	12.9	1.9	14.2	0.1	0.0	0.0	0.3	0.5
Nevada	26,125	—	0.1	0.6	23.0	23.8	0.5	22.6	2.1	0.7	0.2	2.7	5.4
New Hampshire	14,520	—	0.0	0.0	7.7	8.7	2.5	10.3	0.5	0.1	0.3	2.7	1.7
New Jersey	114,306	0.1	0.1	0.4	9.7	11.6	1.0	10.7	2.2	0.1	0.2	3.9	5.0
New Mexico	27,228	—	—	1.3	26.1	25.6	0.0	25.6	2.9	0.6	0.2	3.7	4.1
New York	263,963	0.1	0.2	0.6	18.6	19.0	10.4	27.0	2.1	0.4	0.3	7.6	5.5
North Carolina	104,470	0.0	0.0	0.0	18.0	18.0	0.0	18.0	0.2	0.1	0.1	0.5	0.6
North Dakota	8,347	—	—	—	9.2	10.4	1.7	12.0	0.2	0.0	0.0	0.3	0.3
Ohio	151,692	0.0	0.0	0.3	12.9	13.7	0.2	11.0	0.4	0.0	0.0	1.0	1.6
Oklahoma	46,193	—	0.0	0.0	17.5	19.3	0.1	19.1	4.0	0.6	4.7	10.1	11.0
Oregon	43,658	—	0.8	0.1	11.4	4.3	0.1	4.9	0.8	0.0	0.0	0.3	0.4
Pennsylvania	148,338	0.0	0.0	0.7	6.1	3.1	0.3	2.6	2.0	0.2	0.2	2.2	2.6
Rhode Island	12,652	—	—	0.2	14.6	15.1	12.2	23.5	3.0	2.2	0.7	8.5	9.1
South Carolina	51,117	0.0	0.0	0.2	29.0	28.9	0.1	28.9	4.1	0.1	0.2	1.2	1.2
South Dakota	10,473	—	—	2.0	12.4	12.6	0.1	12.9	0.5	0.0	0.1	0.7	0.9
Tennessee	73,754	0.0	0.0	0.1	16.3	16.5	0.1	16.4	0.2	0.1	0.2	1.4	1.7
Texas	330,406	0.0	0.0	0.4	16.0	15.9	0.2	15.8	1.1	1.3	0.6	2.5	5.1
Utah	42,087	0.0	0.0	0.1	9.2	9.9	0.3	8.1	0.7	0.2	0.1	0.7	0.8

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996—Con.

[By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic origin		Educational attainment Mother	Live-birth order	Length of Gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Vermont	6,767	0.0	0.0	0.1	4.4	5.6	4.4	8.5	2.7	0.1	0.1	2.8	0.7
Virginia	92,354	0.0	0.0	0.1	18.7	19.3	0.1	18.8	0.5	0.2	0.2	0.8	3.0
Washington	77,945	0.0	0.0	0.6	12.8	12.0	3.1	12.8	9.0	1.8	1.5	7.6	12.2
West Virginia	20,750	0.0	0.0	0.1	13.4	16.8	0.1	16.7	0.4	0.2	0.3	3.3	2.7
Wisconsin	67,106	0.0	0.0	0.0	27.1	27.1	0.0	27.1	0.1	0.0	0.1	0.2	0.3
Wyoming	6,286	—	—	0.0	13.5	13.7	0.1	13.6	0.4	0.1	0.0	0.5	0.6
Puerto Rico	63,141	—	0.0	—	2.5	3.1	---	---	0.2	0.0	0.1	0.2	0.1
Virgin Islands	1,905	—	—	—	28.7	30.1	4.1	33.2	1.9	0.6	0.6	3.4	4.8
Guam	4,254	0.1	0.1	0.6	27.4	56.3	0.6	27.8	2.8	1.0	3.9	5.3	5.3

See footnotes at end of table.

Table 1. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996—Con.

[By place of residence]

Area	Number of 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	3,891,494	0.1	0.7	1.3	1.6	1.5	8.6	0.8	1.1	0.9	1.8	1.5
Alabama	60,488	0.1	0.2	³ 0.3	0.4	0.4	5.8	0.2	0.3	0.1	1.0	0.6
Alaska	10,037	0.1	0.4	0.1	0.4	0.4	2.0	0.1	0.1	0.2	0.1	0.1
Arizona	75,322	0.2	0.5	0.0	0.5	0.5	13.6	0.0	0.0	0.3	0.0	0.4
Arkansas	36,371	0.2	3.7	0.5	0.5	0.5	6.4	0.3	0.5	0.4	0.4	0.5
California	539,433	0.0	---	0.0	---	---	---	0.0	0.0	0.0	0.0	0.0
Colorado	55,807	0.0	0.3	0.0	0.4	0.3	4.8	0.0	0.0	0.0	0.0	0.1
Connecticut	44,469	0.0	4.3	15.2	13.0	12.7	28.4	14.0	15.5	8.0	21.3	22.4
Delaware	10,155	0.1	0.2	0.0	0.2	0.2	1.3	⁷ 0.0	0.0	0.1	0.1	0.1
District of Columbia	8,390	0.0	1.2	—	0.2	0.2	14.2	—	—	0.0	—	—
Florida	189,392	0.0	0.2	0.0	0.1	0.1	4.5	0.0	0.0	0.5	0.0	0.0
Georgia	114,043	0.0	0.5	0.4	0.3	0.3	5.0	0.0	0.0	0.3	0.0	0.0
Hawaii	18,401	0.9	7.5	0.4	0.3	0.3	14.1	0.1	0.3	0.6	0.6	0.6
Idaho	18,625	0.1	0.5	4.4	1.9	2.0	9.7	3.9	4.1	0.4	3.9	3.8
Illinois	183,180	0.1	0.3	0.1	1.0	0.2	4.6	0.1	0.1	0.4	0.1	0.1
Indiana	83,513	0.6	0.5	0.2	---	0.5	4.6	0.1	0.3	0.4	0.7	0.7
Iowa	37,139	0.0	0.5	0.1	2.1	2.5	6.8	0.0	0.0	0.3	0.1	0.1
Kansas	36,651	0.0	0.3	⁴ 4	0.6	0.5	0.7	0.3	0.4	2.4	0.4	0.4
Kentucky	52,706	0.1	0.4	6.1	4.7	4.5	8.9	3.8	6.8	4.6	10.3	9.7
Louisiana	65,204	0.1	0.4	0.1	0.2	0.2	6.5	0.1	0.2	0.2	0.2	0.1
Maine	13,774	0.1	0.2	0.1	3.4	4.4	0.1	0.0	0.0	0.2	0.1	0.1
Maryland	71,533	0.0	0.5	0.0	2.6	2.9	12.3	0.0	0.0	0.2	0.0	0.0
Massachusetts	80,276	1.2	1.3	4.2	1.3	1.3	2.9	4.0	4.1	3.5	⁸ 7.0	4.7
Michigan	133,387	0.3	0.5	0.2	2.2	1.9	10.1	0.2	0.2	0.6	0.2	0.2
Minnesota	63,700	0.0	0.7	5.8	4.5	4.7	15.1	3.9	5.0	3.6	6.4	6.6
Mississippi	40,987	0.0	0.6	0.1	0.3	0.3	4.0	0.1	0.1	0.1	0.1	0.1
Missouri	73,832	0.0	0.4	0.1	0.6	0.6	3.6	0.0	0.0	0.4	0.1	0.1
Montana	10,856	0.1	0.4	0.1	0.8	1.0	1.1	0.1	0.1	0.5	0.1	0.1
Nebraska	23,286	0.0	0.2	0.0	1.0	0.9	1.6	0.0	0.0	0.1	⁹ 0	0.0
Nevada	26,125	0.0	1.5	1.7	1.6	1.7	8.9	0.3	1.3	0.9	1.9	2.3
New Hampshire	14,520	0.4	0.6	0.4	0.2	0.2	5.6	0.4	0.4	0.4	0.5	0.4
New Jersey	114,306	0.2	0.3	1.5	1.3	1.2	6.1	0.2	⁹ 1.0	0.4	14.9	2.7
New Mexico	27,228	0.1	3.4	0.0	1.3	1.4	10.1	0.0	0.0	0.4	0.0	---
New York	263,963	0.1	0.4	2.2	⁵ 2	0.9	11.3	1.2	1.4	0.5	¹⁰ 2.2	2.4
North Carolina	104,470	0.0	0.4	0.0	0.1	0.1	4.5	0.0	0.0	0.3	0.0	0.0
North Dakota	8,347	0.0	0.2	0.4	0.4	0.5	1.4	0.1	0.4	0.3	0.5	0.4
Ohio	151,692	0.1	0.4	0.1	0.4	0.3	3.4	0.1	0.1	0.5	0.2	0.2
Oklahoma	46,193	0.8	5.5	28.8	20.5	20.9	31.1	25.0	28.5	21.6	33.8	34.5
Oregon	43,658	0.0	0.4	0.6	0.6	0.7	2.5	0.0	0.0	0.2	0.0	0.0
Pennsylvania	148,338	0.1	0.3	0.1	0.6	0.3	5.8	0.0	0.0	0.2	0.4	0.4
Rhode Island	12,652	0.3	0.4	4.8	2.3	2.5	9.0	4.8	4.9	0.2	12.7	12.6
South Carolina	51,117	0.0	0.3	0.0	0.3	0.3	2.0	0.0	0.0	0.5	0.0	0.0
South Dakota	10,473	0.0	0.4	0.1	---	---	2.3	0.1	0.1	0.1	0.1	0.1
Tennessee	73,754	0.0	0.4	0.0	0.4	0.5	3.1	0.0	0.0	0.5	0.0	0.0
Texas	330,406	0.1	---	⁶ 1.8	0.3	0.3	20.1	0.1	¹¹ 0.1	0.6	⁶ 0.1	0.1
Utah	42,087	0.0	0.3	0.2	0.4	0.4	1.8	0.0	0.1	0.0	0.2	0.4

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996—Con.

[By place of residence]

Area	Number of 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
Vermont	6,767	0.2	0.3	0.1	0.6	0.4	1.7	0.1	0.1	0.1	0.2	0.2
Virginia	92,354	0.2	0.3	0.1	0.1	0.2	5.9	0.1	0.1	0.3	0.1	0.1
Washington	77,945	0.2	0.4	0.6	4.0	13.0	19.4	0.3	0.6	0.4	0.8	0.7
West Virginia	20,760	0.1	0.3	0.5	0.8	2.7	6.8	0.2	0.6	0.3	1.0	0.5
Wisconsin	67,106	0.0	0.4	3.5	0.1	0.1	1.6	0.0	3.8	0.0	¹² 0.1	0.1
Wyoming	6,286	0.0	0.4	0.0	1.3	1.3	1.4	0.0	0.0	0.2	0.0	0.0
Puerto Rico	63,141	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Virgin Islands	1,905	0.1	3.9	14.6	2.1	2.3	16.1	8.6	16.4	3.3	17.6	15.7
Guam	4,254	0.3	2.8	5.9	3.4	3.9	43.0	3.6	13.9	3.7	5.0	5.4

0.0 Quantity more than zero but less than 0.05.

— Quantity zero.

— — Data not available.

¹Excludes data for Puerto Rico, Virgin Islands, and Guam.

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

³Alabama does not report renal disease.

⁴Kansas does not report Rh sensitization.

⁵New York city (but not New York State) reports tobacco use.

⁶Texas does not report genital herpes and uterine bleeding

⁷Delaware does not report ultrasound.

⁸Massachusetts, Nebraska, and Texas do not report birth injury

⁹New Jersey does not report other excessive bleeding

¹⁰New York City does not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more.

¹¹Texas does not report anesthetic complications and fetal distress

¹²Wisconsin does not report fetal alcohol syndrome.

through 1996, birth certificates in 45 states and the District of Columbia included a question about the mother's marital status. (Beginning in 1997, all but four States (Connecticut, Michigan, Nevada, and New York) include a direct question on their birth certificates.) In 1996 the mother's marital status was inferred in five states (California, Connecticut, Michigan, Nevada, and New York) by comparing the parents' and child's surnames and other information concerning the father. This procedure represents 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 (27).

In the five States that used inferential procedures to compile birth statistics by marital status in 1996, there are several basic criteria. A birth is inferred as nonmarital if any of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received, the father's name is missing, or the father's and mother's current surnames are different. In addition, criteria that are particularly applicable for a given State are also applied as necessary. For example, special procedures were used in California to compare the parents' surnames when hyphenated if the parents were born in countries where naming practices can identify the parents' marital status. This procedure was in effect for many years for Asian mothers and for 1995-96 for Hispanic mothers (51).

Although Nevada's birth certificate does not include a direct question on the mother's marital status, Nevada has implemented procedures to identify the mother's marital status more accurately from the electronic birth registration process. All of Nevada's birth records are now received electronically. In New York (excluding New York City) mother's marital status is inferred as "Unmarried" if the father's name is missing, or if the father's name is given and a paternity acknowledgment is filed.

The current method 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) has been published (86). 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. There has been continuing concern that the current method might overstate the number of births to unmarried women because it incorporates data based on a comparison of surnames. This is because women who have retained their maiden surname after marriage and who are frequently older, well-educated women, would be classified as unmarried. The results of this evaluation for changes during 1995-96 differ slightly for the States reporting marital status and the States inferring this information. Nonmarital births in States reporting mother's marital status directly on the birth certificate increased about 1 percent, while nonmarital births in the 5 nonreporting States declined 2 percent. Trends in birth rates for unmarried women for rates computed on the basis of estimated data and on the basis of inferred data are fairly similar.

One consequence of using nonmarital birth data based on the inferential procedures is the need to monitor continuously the validity of the procedures used by the States to infer mother's marital status. In particular, 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. Changes in reporting procedures in Michigan and Texas, related to paternity acknowledgment, were reported for 1994; the impact of those changes on trends in nonmarital births has been described elsewhere (87).

The mother's marital status was not reported in 1996 on 0.3 percent of the birth records in the 45 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

Gestation

The 1989 revision of the U.S. Standard Certificate of Live Birth includes a new 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 4.6 percent of the births in 1996 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 400 births or less than 0.01 percent of all birth records in 1996. The levels of the adjustments in 1996 data were similar to those for 1995 and earlier years (51).

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 which relates the number of women having a first cesarean delivery to all women giving birth who 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.

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 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. 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 1996 shown in tables 1, 3–6, 8–9, and 13–14 are based on populations estimated as of July 1, 1996. These populations are shown in tables II and III. The population estimates have been published by the U.S. Bureau of the Census (4) 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 (88).

Birth and fertility rates by State shown in table 10 are based on State-level population estimates provided by the U.S. Bureau of the Census which are consistent with the U.S. populations (89). 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 1996 estimates. Rates for unmarried women shown in table B and tables 17 and 18 are based on distributions of the population by marital status as of March 1996 provided by the U.S. Bureau of the Census (90) which have been adjusted to July 1996 population levels (4) by the Division of Vital Statistics, NCHS (27).

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, 1996 (4). Rates for Hispanic subgroups are based on special population estimates which are presented in table III in the Technical notes (91).

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 (1.5 percent) were actually to Hispanic mothers (see table I). The population with origin not stated was 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, greatly inflating the number of

“not stated” in all tabulations by age of father (table I). 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 mother. This procedure is followed because, while father’s age is missing on 15 percent of the birth certificates, 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, 8, 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 relative standard error

Although the birth data in this report for births since 1985 are not subject to sampling error, they may be affected by random variation in the number of births involved. When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the data. Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

If N is the number of births and R is the corresponding rate, the chances are 19 in 20 that

1. The “true” number of events lies between

$$N - 2\sqrt{N} \quad \text{and} \quad N + 2\sqrt{N}$$

Table II. Estimated total population by race and estimated female population by age and race: United States, 1996

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population	265,283,783	219,748,786	33,503,435	2,288,119	9,743,443
Female population					
15-44 years	59,605,680	48,120,469	8,417,957	551,329	2,515,925
10-14 years	9,254,087	7,333,823	1,429,905	116,875	373,484
15-19 years	9,043,011	7,160,695	1,429,238	104,571	348,507
15-17 years	5,487,920	4,338,419	866,386	66,612	216,503
18-19 years	3,555,091	2,822,276	562,852	37,959	132,004
20-24 years	8,561,003	6,776,483	1,311,468	90,650	382,402
25-29 years	9,468,735	7,565,285	1,356,975	89,812	456,663
30-34 years	10,708,232	8,665,054	1,490,099	92,056	461,023
35-39 years	11,318,443	9,274,835	1,503,357	91,513	448,738
40-44 years	10,506,256	8,678,117	1,326,820	82,727	418,592
45-49 years	9,375,827	7,867,198	1,084,574	67,222	356,833

SOURCE: Deardorf KE, Hollmann FW. U.S. 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.

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, 1996

[Populations estimated as of July 1]

Age	Hispanic					Non-Hispanic		
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic ¹	Total ²	White	Black
Total population	28,268,886	17,874,569	3,067,943	1,174,341	6,152,033	237,014,884	193,977,657	31,912,232
Female population								
15-44 years	6,686,603	4,104,663	769,594	214,210	1,598,136	52,919,075	42,043,406	8,031,963
10-14 years	1,194,035	814,491	162,660	23,597	193,287	8,060,050	6,253,560	1,361,190
15-19 years	1,167,775	716,759	150,219	27,688	273,109	7,875,232	6,098,670	1,363,307
15-17 years	700,824	422,667	100,487	16,386	161,284	4,787,091	3,702,432	826,813
18-19 years	466,951	294,092	49,732	11,302	111,825	3,088,141	2,396,238	536,494
20-24 years	1,130,349	765,125	111,481	30,012	223,731	7,430,645	5,743,986	1,249,649
25-29 years	1,152,322	732,714	119,537	31,724	268,347	8,316,420	6,518,857	1,290,748
30-34 years	1,220,578	736,932	143,891	45,258	294,497	9,487,650	7,556,628	1,417,990
35-39 years	1,103,646	642,658	134,155	45,007	281,826	10,214,804	8,273,748	1,437,673
40-44 years	911,933	510,475	110,311	34,521	256,626	9,594,324	7,851,517	1,272,596
45-49 years	714,593	402,214	85,375	44,925	182,079	8,661,227	7,217,808	1,042,865

¹Includes Central and South American and other and unknown Hispanic.

²Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census. Totals for Hispanic population and non-Hispanic population by race are consistent with figures published in Deardorf KE, Hollmann FW. U.S. 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.

2. The "true" rate lies between

$$R - 2 \frac{R}{\sqrt{N}} \quad \text{and} \quad R + 2 \frac{R}{\sqrt{N}}$$

If the rate R_1 corresponding to N_1 events is compared to the rate R_2 corresponding to N_2 events, the difference between the two rates may be regarded as statistically significant if it exceeds

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

For example, the proportion of mothers receiving first trimester care for area A for 1996 was 63.9 percent and this

proportion or rate was based on 53 recorded births. Given prevailing conditions, the chances are 19 in 20 that the "true" or underlying proportion of women receiving early prenatal care in area A lies between 46.3 and 81.5 percent. The 1995 proportion receiving early care in area A was 78.7 based on 70 recorded births. The difference between the rates is 14.8 which is less than twice the standard error of the difference

$$2 \sqrt{\frac{(63.9)^2}{53} + \frac{(78.7)^2}{70}}$$

of the two rates that is computed to be 25.7. From this, it is concluded that

the difference between the proportions receiving early prenatal care in 1995 and 1996 is not statistically significant. More information on this topic is included in the Technical Appendix of the annual report, *Vital Statistics of the United States*, 1992, Volume I, Natality (3). In addition, the relative standard errors for birth rates for Hispanic subgroups, particularly Puerto Rican, Cuban, and "other" Hispanic women, may be somewhat higher than if based only on the number of births. This reflects the considerable sampling variability in the population estimates for these groups (91).

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 delivery, abnormal conditions of the newborn, and congenital anomalies of the child (figure I). The definitions which 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 (92).

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 preeclampsia.

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 birthweight 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 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 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.

<p>38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)</p> <p>Anemia (Hct. <30/Hgb. <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>(Specify)</p>	<p>40. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)</p> <p>Ferrie (>100°F or 38°C.) 01 <input type="checkbox"/></p> <p>Meconium, moderate/heavy 02 <input type="checkbox"/></p> <p>Premature rupture of membrane (>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 (<3 hours) 08 <input type="checkbox"/></p> <p>Prolonged labor (>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>(Specify)</p>	<p>43. CONGENITAL ANOMALIES OF CHILD (Check all that apply)</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 (Specify) 05</p> <p>Heart malformations 06</p> <p>Other circulatory/respiratory anomalies (Specify) 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 (Specify) 11</p> <p>Malformed genitalia 12</p> <p>Renal agenesis 13</p> <p>Other urogenital anomalies (Specify) 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 (Specify) 19</p> <p>Down's syndrome 20</p> <p>Other chromosomal anomalies (Specify) 21</p> <p>None 00</p> <p>Other 22</p> <p>(Specify)</p>
<p>38b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)</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>41. METHOD OF DELIVERY (Check all that apply)</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>39. OBSTETRIC PROCEDURES (Check all that apply)</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>(Specify)</p>	<p>42. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)</p> <p>Anemia (Hct. <39/Hgb. <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 <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>(Specify)</p>	

Figure 1. Selected maternal and infant health items from the 1989 revision of the U.S. Standard Certificate of Live Birth

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 (2), triplet births (74), teenage birth rates by State (11), birth rates by educational attainment of the mother (28), cesarean deliveries (65,93), birth and fertility rates for States (20), births to unmarried mothers (27), characteristics of births in Asian or Pacific Islander population subgroups (19), trends in pregnancies and pregnancy rates (10), and prenatal care (94).

This report presents summary tabulations from the final natality statistics for 1996. The National Center for Health Statistics will respond to requests for unpublished data whenever possible.

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