

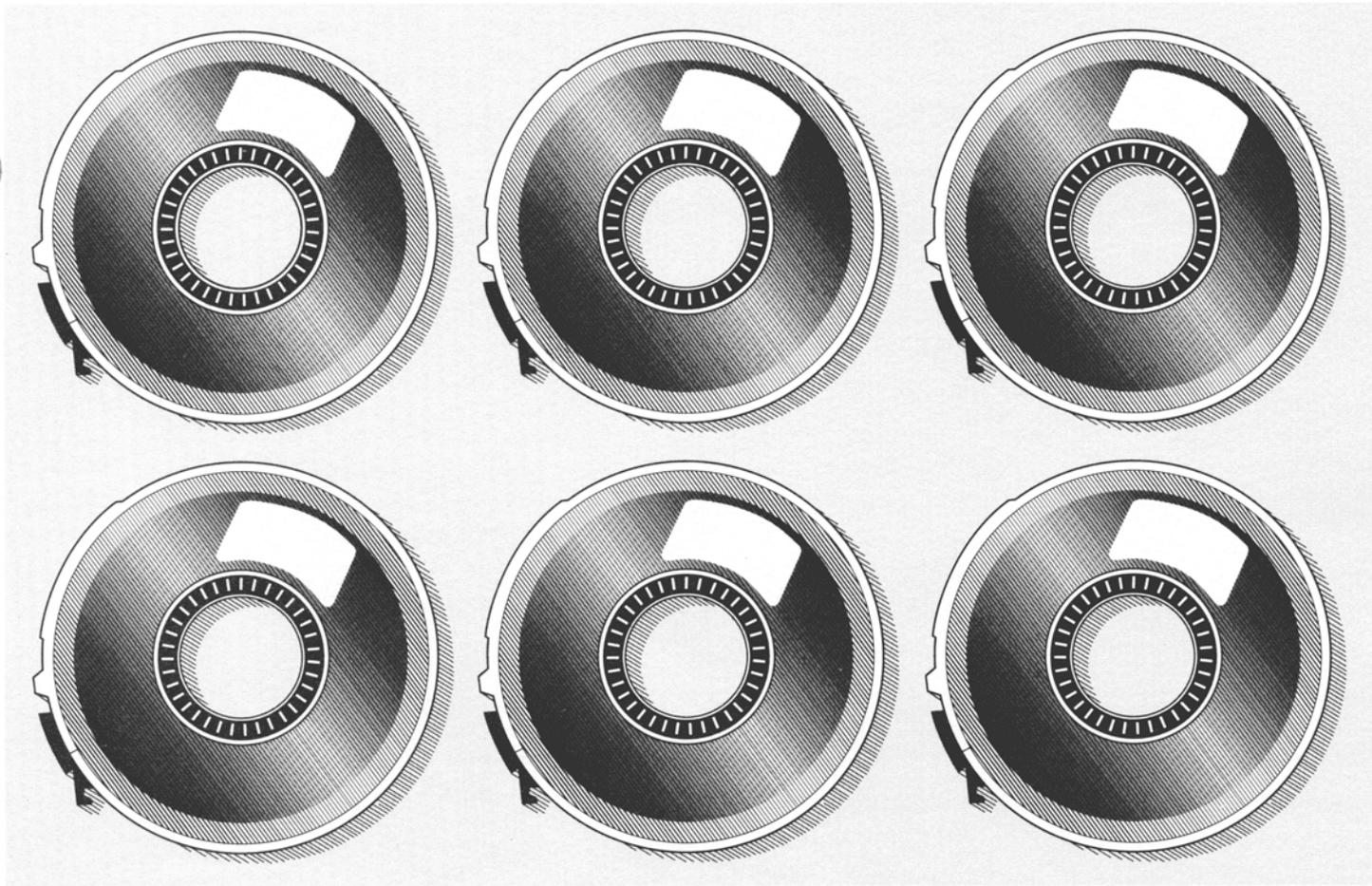
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# Public Use Data Tape Documentation

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1990 Fetal Deaths Detail Record

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



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

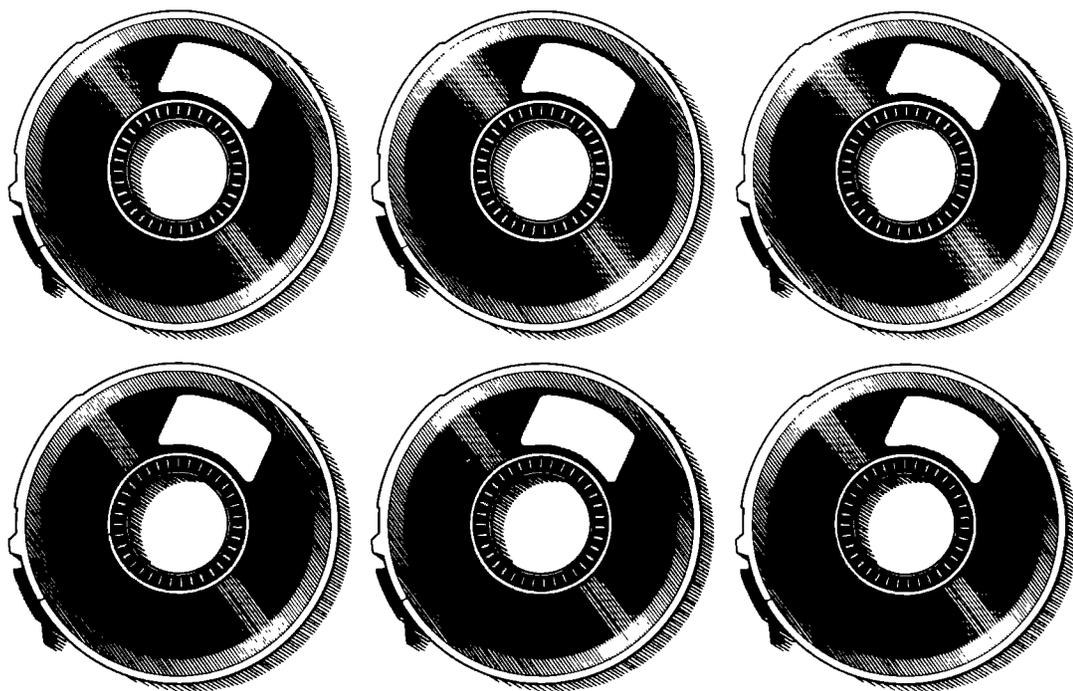


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1990 Fetal Deaths Detail Record



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

Hyattsville, Maryland  
September 1994

## Documentation of the Fetal Death Tape File for 1990 Data

Information on the fetal death data tape file was abstracted from the Report of Fetal Death forms received in all the States and the District of Columbia, with a record on the data file for each report of a fetal death received. The data is provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program by the registration offices of all States, the District of Columbia, and New York City. Data from New York, excluding New York City, were submitted in machine readable form. All other 1990 data were coded and keyed by the U.S. Bureau of the Census.

Fetal death data are limited to deaths occurring within the United States to U.S. residents and nonresidents. Fetal deaths occurring to U.S. citizens outside the United States are not included in this data file.

In NCHS tabulations by place of residence, fetal deaths to nonresidents of the United States are excluded. The foreign resident records can be identified by code 4 in tape location 7 of the data tape. In addition, the majority of fetal death tables published by NCHS include only those fetal deaths with stated or presumed gestation of 20 weeks or more (see the Technical Appendix). Those records identified with a 2 in tape location 5 are included in these tabulations. All other records are excluded.

Effective January 1, 1989, a revised U.S. Standard Report of Fetal Death replaced the 1978 revision. The 1989 revision provides a wide variety of new information on maternal and fetal health characteristics. Questions on complications of labor and delivery and congenital anomalies of fetus were changed from an open-ended question to a checkbox format to improve reporting of information. Several new items were added that improve the data file's value for monitoring and research of factors affecting fetal mortality.

NCHS has adopted a new policy on release of vital statistics unit record data files. This new policy was implemented with the 1989 vital event files to prevent the inadvertent disclosure of individuals and institutions. As a result, this file does not contain the actual day of the death. The geographic detail is also restricted; only counties, cities, and SMSA's of 100,000 or more population based on the 1980 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. Standard Metropolitan Statistical Areas as adopted for use by NCHS/DVS.
6. Documentation Tables 1-14.
7. Technical Appendix.

#### 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>Tape Locations</u>
1. General	
a. Data year	1-4
b. Tabulation flag	5
c. Record type	6
d. Resident status	7
2. Occurrence	
a. NCHS State	17-18
b. Expanded NCHS State	15-16
c. NCHS County	19-21
d. Population size - county	27
e. Division	13
f. Region	12
g. FIPS State	22-23
h. Fips County	24-26
3. Residence	
a. NCHS state	33-34
b. Expanded NCHS State	31-32
c. NCHS County	35-37
d. NCHS City	38-40
e. Population size - city	41
f. Population size - county	59
g. NCHS SMSA	357-359
h. Met/Nonmet county	42
i. Division	29
j. Region	28
k. FIPS State	43-44
l. FIPS County	45-47
m. FIPS SMSA	55-58
4. Prenatal Care	
a. Month began	113-116
b. Number of visits	117-120
5. Fetus	
a. Sex	202-203
b. Race	204-206
c. Plurality	214-215
d. Weight at delivery	207-213
e. Gestation	197-201, 216-217
f. Month/year of delivery	186-187, 190-193
g. Day of week of delivery	194

## List of Data Elements and Tape Locations

<u>Data Items</u>	<u>Tape Locations</u>
6. Mother	
a. Age	69-76, 87-88
b. Race	79-81
c. Marital status	86
d. Education	82-84
e. Hispanic origin	76-77
7. Pregnancy History	
a. Born alive, now living	98-99
b. Born alive, now dead	100-101
c. Other terminations	102-103
d. Total birth order	109-111
e. Live birth order	105-107
8. Father	
a. Age	160-164, 173-174
b. Race	167-169
c. Education	170-172
d. Hispanic origin	165-166
9. Other Items	
a. Residence reporting flags	315-339
b. Attendant at delivery	10-11
c. Place of delivery	8-9
d. Interval since last live birth	135-139
10. Medical and Health Data	
a. Method of delivery	220-226
b. Medical risk factors	228-244
c. Other risk factors	
Tobacco	245-248
Alcohol	249-252
Weight gain during pregnancy	253-255
d. Obstetric procedures	256-262
e. Complications of labor and/or delivery	263-278
f. Congenital anomalies	279-300

Machine/File/Data Characteristics:

1.	Machine used:	IBM/3081/K
2.	Language used:	PL/1
3.	File organization:	One file, one reel
4.	Record format:	Blocked, fixed format
5.	Record count:	64,349
6.	Record length:	360
7.	Blocksize	32400
8.	Recording mode:	IBM/EBCDIC 8-bit code
9.	Code scheme	Numeric/Alphabetic/Blanks
10.	Last block:	May be a short block
11.	Data counts:	ALL FETAL DEATHS:
	a.	By occurrence: 64,349
	b.	By residence: 64,284
	c.	To foreign residents: 65
		20 WEEKS AND OVER:
	a.	By occurrence: 31,422
	b.	By residence: 31,386
	c.	To foreign residents: 36

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
1-4	4	<p><u>DATAYEAR</u> <u>Year of Delivery (Data Year)</u></p> <p>1990      ...      1990</p>
5	1	<p><u>TABFLAG</u> <u>Tabulation Inclusion Flag</u></p> <p>The majority of fetal death tables published by NCHS/DVS include only those fetal deaths with stated or presumed gestation of 20 weeks or more, see the Technical Appendix. This position is used to indicate which records to include in these tables.</p> <p>1            ...      Under 20 weeks (excluded) 2            ...      20 weeks or more (included)</p>
6	1	<p><u>RECTYPE</u> <u>Record Type</u></p> <p>1            ...      RESIDENTS: State and county of occurrence and residence are the same 2            ...      NONRESIDENTS: State and/or county of occurrence and residence are different.</p>
7	1	<p><u>RESTATUS</u> <u>Resident Status</u></p> <p>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.</p>

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
8	1	<u>PLDEL</u> <u>Place or Facility of Delivery</u> 1        ...     Hospital delivery 2        ...     Doctor's offices, mother's residence, Fire Department, public place, etc. 3        ...     Delivery occurred en route to or on arrival at a facility 9        ...     Unknown or not stated
9	1	<u>PLDEL2</u> <u>Place or Facility of Delivery Recode</u> 1        ...     In hospital 2        ...     Not in a hospital (includes unknown)
10	1	<u>FATTND</u> <u>Attendant at Delivery</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	1	<u>FATTNDR</u> <u>Attendant at Delivery Recode</u> 1        ...     Physician 2        ...     Midwife 3        ...     Other 9        ...     Unknown or not stated

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
12-27	16	<u>FOCCUR</u> <u>Place of Occurrence</u>
		Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes.
12-14	3	<u>RDSSCOCC</u> <u>Region, Division, and State Subcode of Occurrence</u>
12	1	<u>REGNOCC</u> <u>Region of Occurrence</u>
13	1	<u>DIVOCC</u> <u>Division of Occurrence</u>
14	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.

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
4	...	<u>West North Central</u>
1	...	Minnesota
2	...	Iowa
3	...	Missouri
4	...	North Dakota
5	...	South Dakota
6	...	Nebraska
7	...	Kansas

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
12-14	3	<u>RDSSCOCC</u> <u>Region, Division, State Subcode of Occurrence</u> <u>(Cont'd)</u>
	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
	9	... <u>Pacific</u>
	1	... Washington
	2	... Oregon
	3	... California
	4	... Alaska
	5	... Hawaii

1990 FETAL DEATHS  
DETAIL RECORD

Item  
Location

15-16

Item  
Length

2

Variable Name,  
Item and Code Outline

STFETEXP  
Expanded State of Occurrence

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

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	...	New York city
35	...	North Carolina
36	...	North Dakota
37	...	Ohio
38	...	Oklahoma

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
15-16	2	<u>STFETEXP</u> <u>Expanded State of Occurrence Cont'd</u> 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
17-18	2	<u>STATEFET</u> <u>State of Occurrence</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

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
17-18	2	<u>STATEFET</u> <u>State of Occurrence Cont'd</u> 25           ... Mississippi 26           ... Missouri 27           ... Montana 28           ... Nebraska 29           ... Nevada 30           ... New Hampshire 31           ... New Jersey 32           ... New Mexico 33           ... New York 34           ... North Carolina 35           ... North Dakota 36           ... Ohio 37           ... Oklahoma 38           ... Oregon 39           ... Pennsylvania 40           ... Rhode Island 41           ... South Carolina 42           ... South Dakota 43           ... Tennessee 44           ... Texas 45           ... Utah 46           ... Vermont 47           ... Virginia 48           ... Washington 49           ... West Virginia 50           ... Wisconsin 51           ... Wyoming
19-21	3	<u>CNTYFET</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 1980. (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.

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
22-26	5	<p><b><u>FIPSOCC</u></b>  <b><u>Federal Information Processing Standards (FIPS) Geographic Codes (Occurrence)</u></b></p> <p>Refer to the Geographic Code Outline Further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.</p>
22-23	2	<p><b><u>STOCCFIP</u></b>  <b><u>State of Occurrence (FIPS)</u></b></p> <p>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</p>



1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
28-59	32	<u>FRESID</u> <u>Place of Residence</u>
		Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes.
28-30	3	<u>RDSCRES</u> <u>Region, Division, and State Subcode of Residence</u>
28	1	<u>REGNRES</u> <u>Region of Residence</u>
29	1	<u>DIVRES</u> <u>Division of Residence</u>
30	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.

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
4	...	<u>West North Central</u>
1	...	Minnesota
2	...	Iowa
3	...	Missouri
4	...	North Dakota
5	...	South Dakota
6	...	Nebraska
7	...	Kansas

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
28-30	3	<u>RDSCRES</u> <u>Region, Division, State Subcode of Residence (Cont'd)</u>
	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
	9	... <u>Pacific</u>
	1	... Washington
	2	... Oregon
	3	... California
	4	... Alaska
	5	... Hawaii

1990 FETAL DEATHS  
DETAIL RECORD

Item  
Location

Item  
Length

Variable Name,  
Item and Code Outline

31-32

2

STRESEXP

Expanded State of Residence

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

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	...	New York city
35	...	North Carolina

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
31-32	2	<u>STREEXP</u> <u>Expanded State of Residence Cont'd</u>
		36 ... North Dakota
		37 ... Ohio
		38 ... Oklahoma
		39 ... Oregon
		40 ... Pennsylvania
		41 ... Rhode Island
		42 ... South Carolina
		43 ... South Dakota
		44 ... Tennessee
		45 ... Texas
		46 ... Utah
		47 ... Vermont
		48 ... Virginia
		49 ... Washington
		50 ... West Virginia
		51 ... Wisconsin
		52 ... Wyoming
		53-58,60 ... Foreign Residents
		53 ... Puerto Rico
		54 ... Virgin Islands
		55 ... Guam
		56 ... Canada
		57 ... Cuba
		58 ... Mexico
		60 ... Remainder of the world

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
33-34	2	<u>STATERES</u> <u>State of Residence</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

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
33-34	2	<p><u>STATERES</u> <u>State of Residence Cont'd</u></p> <p>43           ...    Tennessee 44           ...    Texas 45           ...    Utah 46           ...    Vermont 47           ...    Virginia 48           ...    Washington 49           ...    West Virginia 50           ...    Wisconsin 51           ...    Wyoming 52-57,59   ...    Foreign Residents 52           ...    Puerto Rico 53           ...    Virgin Islands 54           ...    Guam 55           ...    Canada 56           ...    Cuba 57           ...    Mexico 59           ...    Remainder of the world</p>
35-37	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 1980. (Note: To uniquely identify a county, both the State and county codes must be used.)</p> <p>ZZZ       ...    Foreign Residents</p>
38-40	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 1980. (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 ZZZ       ...    Foreign residents</p>

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
41	1	<p><u>CITRSPOP</u> <u>Population Size of City of Residence</u></p> <p>Based on the results of the 1980 census</p> <p>0 ... Place of 1,000,000 or more            1 ... Place of 500,000 to 1,000,000            2 ... Place of 250,000 to 500,000            3 ... Place of 100,000 to 250,000            9 ... All other areas in the U.S.            Z ... Foreign residents</p>
42	1	<p><u>METRORES</u> <u>Metropolitan - Nonmetropolitan County of Residence</u></p> <p>1 ... Metropolitan county            2 ... Nonmetropolitan county            Z ... Foreign residents</p>
43-58	16	<p><u>FIPSRRES</u> <u>Federal Information Processing Standards (FIPS) 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.</p>
43-44	2	<p><u>STRESFIP</u> <u>State of Residence (FIPS)</u></p> <p>00 ... Foreign residents            01 ... Alabama            02 ... Alaska            04 ... Arizona            05 ... Arkansas            06 ... California            08 ... Colorado            09 ... Connecticut            10 ... Delaware</p>

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
43-44	2	<u>STRESFIP</u> <u>State of Residence (Cont'd)</u>
		11 ... District of Columbia
		12 ... Florida
		13 ... Georgia
		15 ... Hawaii
		16 ... Idaho
		17 ... Illinois
		18 ... Indiana
		19 ... Iowa
		20 ... Kansas
		21 ... Kentucky
		22 ... Louisiana
		23 ... Maine
		24 ... Maryland
		25 ... Massachusetts
		26 ... Michigan
		27 ... Minnesota
		28 ... Mississippi
		29 ... Missouri
		30 ... Montana
		31 ... Nebraska
		32 ... Nevada
		33 ... New Hampshire
		34 ... New Jersey
		35 ... New Mexico
		36 ... New York
		37 ... North Carolina
		38 ... North Dakota
		39 ... Ohio
		40 ... Oklahoma
		41 ... Oregon
		42 ... Pennsylvania
		44 ... Rhode Island
		45 ... South Carolina
		46 ... South Dakota
		47 ... Tennessee
		48 ... Texas
		49 ... Utah
		50 ... Vermont
		51 ... Virginia
		53 ... Washington
		54 ... West Virginia
		55 ... Wisconsin
		56 ... Wyoming

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
45-47	3	<u>CNTYRFIP</u> <u>County of Residence (FIPS)</u>  000 ... Foreign residents 001-999 ... 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 1980. (Note: To uniquely identify a county, both the State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document.
48-52	5	<u>R1</u> <u>Reserved Positions</u>
53-54	2	<u>CMSA</u> <u>CMSA of Residence (FIPS)</u>  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.  00 ... Not a CMSA 07 ... Boston - Lawrence-Salem, MA-NH 10 ... Buffalo - Niagara Falls, NY 14 ... Chicago - Gary-Lake County, IL-IN-WI 21 ... Cincinnati - Hamilton, OH-KY-IN 28 ... Cleveland - Akron-Lorain, OH 31 ... Dallas - Fort Worth, TX 34 ... Denver - Boulder, CO 35 ... Detroit - Ann Arbor, MI 41 ... Hartford - New Britain-Middletown, CT 42 ... Houston - Galveston-Brazoria, TX 49 ... Los Angeles-Anaheim-Riverside, CA 56 ... Miami - Fort Lauderdale, FL 63 ... Milwaukee - Racine, WI 70 ... New York-Northern New Jersey-Long Island, NY-NJ-CT 77 ... Philadelphia - Wilmington-Trenton, PA-NJ-DE-MD 78 ... Pittsburgh - Beaver Valley, PA 79 ... Portland - Vancouver, OR-WA 80 ... Providence - Pawtucket-Fall River, RI-MA 84 ... San Francisco-Oakland-San Jose, CA 91 ... Seattle - Tacoma, WA

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
55-58	4	<p><b><u>SMSARFIP</u></b> <b><u>PMSA/MSA of Residence (FIPS)</u></b></p> <p>Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Management and Budget as of June 30, 1990. For New England, the New England County Metropolitan Areas (NECMS's) are used.</p> <p>Further back in this document is a list of PMSA's, MSA's, NECMS's, and their component counties.</p> <p>0000           ...    Nonmetropolitan counties or foreign residents 0040-9360   ...    Code range 9999           ...    Area of less than 100,000 population</p>
59	1	<p><b><u>CNTRSPOP</u></b> <b><u>Population Size of County of Residence</u></b></p> <p>Based on the results of the 1980 Census.</p> <p>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</p>
60-68	9	<p><b><u>RIA</u></b> <b><u>Reserved Positions</u></b></p>
69	1	<p><b><u>MAGERFLG</u></b> <b><u>Reported Age of Mother Used Flag</u></b></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>
70	1	<p><b><u>MAGEIMP</u></b> <b><u>Age of Mother Imputation Flag</u></b></p> <p>Blank           ...    Age is not imputed 1               ...    Age is imputed</p>
71-72	2	<p><b><u>DMAGE</u></b> <b><u>Age of Mother</u></b></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 is single years</p>

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
73-74	2	<p><b><u>MAGE12</u></b> <b><u>Age of Mother Recode 12</u></b></p> <p>01 ... Under 15 years            02 ... 15 years            03 ... 16 years            04 ... 17 years            05 ... 18 years            06 ... 19 years            07 ... 20 - 24 years            08 ... 25 - 29 years            09 ... 30 - 34 years            10 ... 35 - 39 years            11 ... 40 - 44 years            12 ... 45 - 49 years</p>
75	1	<p><b><u>MAGE8</u></b> <b><u>Age of Mother Recode 8</u></b></p> <p>1 ... Under 15 years            2 ... 15 - 19 years            3 ... 20 - 24 years            4 ... 25 - 29 years            5 ... 30 - 34 years            6 ... 35 - 39 years            7 ... 40 - 44 years            8 ... 45 - 49 years</p>
76	1	<p><b><u>ORMOTH</u></b> <b><u>Hispanic Origin of Mother</u></b></p> <p>Origin is not reported by all areas. See reporting flags.</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>

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
77	1	<p><u>ORRACEM</u> <u>Hispanic Origin and Race of Mother Recode</u></p> <p>Origin's not reported by all areas. See reporting flags.</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>
78	1	<p><u>MRACEIMP</u> <u>Race of Mother Imputation Flag</u></p> <p>Blank ... Race is not imputed 1 ... Race is imputed</p>
79-80	2	<p><u>MRACE</u> <u>Race of Mother</u></p> <p>Race codes effective with 1989 data differ from previous years.</p> <p>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 09 ... All other Races</p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
81	1	<p><u>MRACE3</u> <u>Race of Mother Recode</u></p> <p>1           ...    White 2           ...    Races other than White or Black 3           ...    Black</p>
82-83	2	<p><u>DMEDUC</u> <u>Education of Mother</u></p> <p>Education is not reported by all areas. See reporting flags.</p> <p>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 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>
84	1	<p><u>MEDUC6</u> <u>Education of Mother Recode</u></p> <p>Education is not reported by all areas. See reporting flags.</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>
85	1	<p><u>R1C</u> <u>Reserved Position</u></p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
86	1	<u>DMAR</u> <u>Marital Status of Mother</u>  Marital status is not reported by all areas. See reporting flags.  1           ...   Married 2           ...   Unmarried 9           ...   Unknown or not stated
87-88	2	<u>DMAGERPT</u> <u>Reported Age of Mother</u>  10-49      ...   Age in single years 99         ...   Unknown or not stated
89-97	9	<u>R2</u> <u>Reserved Positions</u>
98-99	2	<u>NLBNL</u> <u>Number of Live Births, Now Living</u>  00-30      ...   Stated number of children 99         ...   Unknown or not stated
100-101	2	<u>NLBND</u> <u>Number of Live Births, Now Dead</u>  00-30      ...   Stated number of children 99         ...   Unknown or not stated
102-103	2	<u>NOTERM</u> <u>Number of Other Terminations</u>  Includes spontaneous and induced at any time after conception.  00-30      ...   Stated number of other terminations 99         ...   Unknown or not stated
104	1	<u>R2A</u> <u>Reserved Position</u>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
105-106	2	<p><u>DLIVORD</u> <u>Detail Live Birth Order</u></p> <p>Sum of live births now living and now dead. If either item is unknown, this item is made unknown.</p> <p>00-40     ...     Number of children born alive to mother</p> <p>99         ...     Unknown live birth order</p>
107	1	<p><u>LIVORD9</u> <u>Live Birth Order Recode</u></p> <p>0         ...     No children born alive to mother</p> <p>1         ...     One</p> <p>2         ...     Two</p> <p>3         ...     Three</p> <p>4         ...     Four</p> <p>5         ...     Five</p> <p>6         ...     Six</p> <p>7         ...     Seven</p> <p>8         ...     Eight or more</p> <p>9         ...     Unknown Live Birth Order</p>
108	1	<p><u>R2B</u> <u>Reserved Position</u></p>
109-110	2	<p><u>DTOTORD</u> <u>Detail Total Birth Order</u></p> <p>Sum of live birth order and other terminations of pregnancy plus one (for this pregnancy). If either item is unknown, this item is made unknown.</p> <p>01-41     ...     Number of live births and other terminations of pregnancy</p> <p>99         ...     Unknown total birth order</p>

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>																																	
111	1	<p><b><u>TOTORD9</u></b> <b><u>Total Birth Order Recode</u></b></p> <table border="0"> <tr><td>1</td><td>...</td><td>One</td></tr> <tr><td>2</td><td>...</td><td>Two</td></tr> <tr><td>3</td><td>...</td><td>Three</td></tr> <tr><td>4</td><td>...</td><td>Four</td></tr> <tr><td>5</td><td>...</td><td>Five</td></tr> <tr><td>6</td><td>...</td><td>Six</td></tr> <tr><td>7</td><td>...</td><td>Seven</td></tr> <tr><td>8</td><td>...</td><td>Eight or more</td></tr> <tr><td>9</td><td>...</td><td>Unknown Total Birth Order</td></tr> </table>	1	...	One	2	...	Two	3	...	Three	4	...	Four	5	...	Five	6	...	Six	7	...	Seven	8	...	Eight or more	9	...	Unknown Total Birth Order						
1	...	One																																	
2	...	Two																																	
3	...	Three																																	
4	...	Four																																	
5	...	Five																																	
6	...	Six																																	
7	...	Seven																																	
8	...	Eight or more																																	
9	...	Unknown Total Birth Order																																	
112	1	<p><b><u>R2C</u></b> <b><u>Reserved Position</u></b></p>																																	
113-114	2	<p><b><u>MONPRE</u></b> <b><u>Detail Month of Pregnancy Prenatal Care Began</u></b></p> <p>Month prenatal care began is not reported by all areas. See reporting flags.</p> <table border="0"> <tr><td>00</td><td>...</td><td>No prenatal care</td></tr> <tr><td>01</td><td>...</td><td>1st month</td></tr> <tr><td>02</td><td>...</td><td>2nd month</td></tr> <tr><td>03</td><td>...</td><td>3rd month</td></tr> <tr><td>04</td><td>...</td><td>4th month</td></tr> <tr><td>05</td><td>...</td><td>5th month</td></tr> <tr><td>06</td><td>...</td><td>6th month</td></tr> <tr><td>07</td><td>...</td><td>7th month</td></tr> <tr><td>08</td><td>...</td><td>8th month</td></tr> <tr><td>09</td><td>...</td><td>9th month</td></tr> <tr><td>99</td><td>...</td><td>Unknown or not stated</td></tr> </table>	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
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																																	
115	1	<p><b><u>MPRE6</u></b> <b><u>Month Prenatal Care Began Recode 6</u></b></p> <p>Month prenatal care began is not reported by all areas. See reporting flags.</p> <table border="0"> <tr><td>1</td><td>...</td><td>1st - 2nd month</td></tr> <tr><td>2</td><td>...</td><td>3rd month</td></tr> <tr><td>3</td><td>...</td><td>4th - 6th month</td></tr> <tr><td>4</td><td>...</td><td>7th - 9th month</td></tr> <tr><td>5</td><td>...</td><td>No prenatal care</td></tr> <tr><td>6</td><td>...</td><td>Unknown or not stated</td></tr> </table>	1	...	1st - 2nd month	2	...	3rd month	3	...	4th - 6th month	4	...	7th - 9th month	5	...	No prenatal care	6	...	Unknown or not stated															
1	...	1st - 2nd month																																	
2	...	3rd month																																	
3	...	4th - 6th month																																	
4	...	7th - 9th month																																	
5	...	No prenatal care																																	
6	...	Unknown or not stated																																	

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
116	1	<p><u>MPRE5</u> <u>Month Prenatal Care Began Recode 5</u></p> <p>Month prenatal care began is not reported by all areas. See reporting flags.</p> <p>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</p>
117-118	2	<p><u>NPREVIST</u> <u>Total Number of Prenatal Visits</u></p> <p>Number of prenatal visits is not reported by all areas. See reporting flags</p> <p>00           ...    No prenatal visits 01-48       ...    Stated number of visits 49           ...    49 or more visits 99           ...    Unknown or not stated</p>
119-120	2	<p><u>NPREV12</u> <u>Number of Prenatal Visits Recode</u></p> <p>Number of prenatal visits is not reported by all areas. See reporting flags</p> <p>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</p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
121-128	8	<u>LMPDATE</u> <u>Date Last Normal Menses Began</u>  Date of last normal menses is not reported by all areas. See reporting flags.
121-122	2	<u>LMPMON</u> <u>Month</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
123-124	2	<u>LMPDAY</u> <u>Day</u>  01-31       ...    As applicable to month of LMP 99           ...    Unknown or not stated day of LMP
125-128	4	<u>LMPYR</u> <u>Year</u>  1989        ...    1989 1990        ...    1990 9999        ...    Unknown or not stated year of LMP

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
129-134	6	<u>LLBDATE</u> <u>Date of last Live Birth</u>  Date of last live birth is not reported by all areas. See reporting flags  777777 ... No previous live birth
129-130	2	<u>LLBMON</u> <u>Month of Last Live Birth</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
131-134	4	<u>LLBYR</u> <u>Year of Last Live Birth</u>  1900-1990 ... Stated year 9999 ... Unknown or not stated
135-137	3	<u>DISLLB</u> <u>Interval Since Last Live Birth</u>  This item is computed from date of delivery and date of last live birth.  777 ... No previous live birth 000 ... Zero months (plural birth) 001-500 ... One - five hundred months 999 ... Unknown
138-139	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

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
140-159	20	<u>R3</u> <u>Reserved Positions</u>
160	1	<u>FAGERFLG</u> <u>Reported Age of Father Used Flag</u>  This position is flagged whenever the Father's reported age is used. The reported age is used, if valid, when age could not be computed or when the computed age is less than 10.  Blank                   ...   Reported age is not used 1                         ...   Reported age is used
161-162	2	<u>DFAGE</u> <u>Age of Father</u>  This item is either computed from date of birth of father and date of delivery or is the reported age. This is the age item used in NCHS publications.  10-98           ...   Age is single years 99               ...   Unknown or not stated
163-164	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 - 59 years 11               ...   60 - 98 years 12               ...   Not stated
165	1	<u>ORFATH</u> <u>Hispanic Origin of Father</u>  Origin is not reported by all areas. See reporting flags.  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

**1990 3FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
166	1	<p><b><u>ORRACEF</u></b>  <b><u>Hispanic Origin and Race of Father Recode</u></b></p> <p>Origin is not reported by all areas. See reporting flags.</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 or unknown race  9 ... Origin unknown or not stated</p>
167-168	2	<p><b><u>FRACE</u></b>  <b><u>Race of Father</u></b></p> <p>Race codes effective with 1989 data differ from previous years.</p> <p>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  09 ... All other races  99 ... Unknown or not stated</p>
169	1	<p><b><u>FRACE4</u></b>  <b><u>Race of Father Recode</u></b></p> <p>1 ... White  2 ... Race other than White, Black, or unknown  3 ... Black  4 ... Unknown or not stated</p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>																																				
170-171	2	<p><u>DFEDUC</u> <u>Education of Father</u></p> <p>Education is not reported by all areas. See reporting flags</p> <table border="0"> <tr><td>00</td><td>...</td><td>No formal education</td></tr> <tr><td>01-08</td><td>...</td><td>Years of elementary school</td></tr> <tr><td>09</td><td>...</td><td>1 year of high school</td></tr> <tr><td>10</td><td>...</td><td>2 years of high school</td></tr> <tr><td>11</td><td>...</td><td>3 years of high school</td></tr> <tr><td>12</td><td>...</td><td>4 years of high school</td></tr> <tr><td>13</td><td>...</td><td>1 year of college</td></tr> <tr><td>14</td><td>...</td><td>2 years of college</td></tr> <tr><td>15</td><td>...</td><td>3 years of college</td></tr> <tr><td>16</td><td>...</td><td>4 years of college</td></tr> <tr><td>17</td><td>...</td><td>5 or more years of college</td></tr> <tr><td>99</td><td>...</td><td>Non stated</td></tr> </table>	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	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	...	Non stated
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																																				
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	...	Non stated																																				
172	1	<p><u>FEDUC6</u> <u>Education of Father Recode</u></p> <p>Education is not reported by all areas. See reporting flags</p> <table border="0"> <tr><td>1</td><td>...</td><td>0 - 8 years</td></tr> <tr><td>2</td><td>...</td><td>9 - 11 years</td></tr> <tr><td>3</td><td>...</td><td>12 years</td></tr> <tr><td>4</td><td>...</td><td>13 - 15 years</td></tr> <tr><td>5</td><td>...</td><td>16 years and over</td></tr> <tr><td>6</td><td>...</td><td>Not stated</td></tr> </table>	1	...	0 - 8 years	2	...	9 - 11 years	3	...	12 years	4	...	13 - 15 years	5	...	16 years and over	6	...	Not stated																		
1	...	0 - 8 years																																				
2	...	9 - 11 years																																				
3	...	12 years																																				
4	...	13 - 15 years																																				
5	...	16 years and over																																				
6	...	Not stated																																				
173-174	2	<p><u>DFAGERPT</u> <u>Reported Age of Father</u></p> <table border="0"> <tr><td>10-98</td><td>...</td><td>Age in single years</td></tr> <tr><td>99</td><td>...</td><td>Unknown or not stated</td></tr> </table>	10-98	...	Age in single years	99	...	Unknown or not stated																														
10-98	...	Age in single years																																				
99	...	Unknown or not stated																																				
175-183	9	<p><u>R4</u> <u>Reserved Positions</u></p>																																				
184	1	<p><u>FDODMIMP</u> <u>Month of Delivery Imputation Flag</u></p> <table border="0"> <tr><td>Blank</td><td>...</td><td>Month is not imputed</td></tr> <tr><td>1</td><td>...</td><td>Month is imputed</td></tr> </table>	Blank	...	Month is not imputed	1	...	Month is imputed																														
Blank	...	Month is not imputed																																				
1	...	Month is imputed																																				

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
185	1	<u>R4A</u> <u>Reserved Position</u>
186-187	2	<u>DELMON</u> <u>Month</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
188-189	2	<u>R4B</u> <u>Reserved Positions</u>
190-193	4	<u>DELYR</u> <u>Year</u> 1990 ... 1990
194	1	<u>WEEKDAY</u> <u>Day of Week of Delivery</u> 1 ... Sunday 2 ... Monday 3 ... Tuesday 4 ... Wednesday 5 ... Thursday 6 ... Friday 7 ... Saturday

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
195	1	<p><u>GESTESTM</u> <u>Clinical Estimate of Gestation Used Flag</u></p> <p>This position is flagged whenever the clinical estimate of gestation is used. It is used whenever gestation could not be computed or when the computed gestation is outside the 02-47 code range.</p> <p>Blank      ...      Clinical estimate is not used 1            ...      Clinical estimate is used</p>
196	1	<p><u>GESTIMP</u> <u>Gestation Imputation Flag</u></p> <p>Blank      ...      Gestation is not imputed 1            ...      Gestation is imputed</p>
197-198	2	<p><u>DGESTAT</u> <u>Gestation</u></p> <p>This item is: a) computed using dates of delivery and last normal menses; b) the clinical estimate; c) imputed; 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>02-47      ...      2nd through 47th week of gestation 99          ...      Unknown</p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
199-200	2	<u>GESTAT12</u> <u>Gestation Recode 12</u> 01           ...   Under 16 weeks 02           ...   16-19 weeks 03           ...   20-23 weeks 04           ...   24-27 weeks 05           ...   28-31 weeks 06           ...   32-35 weeks 07           ...   36     weeks 08           ...   37-39 weeks 09           ...   40     weeks 10           ...   41     weeks 11           ...   42     weeks and over 12           ...   Unknown
201	1	<u>GESTAT5</u> <u>Gestation Recode 5</u> 1           ...   Under 20 weeks 2           ...   20-23 weeks 3           ...   24-27 weeks 4           ...   28 weeks and over 5           ...   Unknown
202	1	<u>FSEXIMP</u> <u>Sex Imputation Flag</u> Sex is imputed only for those records with stated or presumed period of gestation of 20 weeks or more. Blank       ...   Sex is not imputed 1           ...   Sex is imputed
203	1	<u>FSEX</u> <u>Sex</u> 1           ...   Male 2           ...   Female 9           ...   Unknown or not stated

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
204-205	2	<p><u>RACEF</u> <u>Race of Fetus</u></p> <p>Race code effective with 1989 data differ from previous years.</p> <p>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 09        ...    All other races</p>
206	1	<p><u>FRACE3</u> <u>Race of Fetus Recode</u></p> <p>1        ...    White 2        ...    Races other than White or Black 3        ...    Black</p>
207-210	4	<p><u>DBIRWT</u> <u>Weight at Delivery</u></p> <p>0000-8165 ...    Number of grams 9999        ...    Unknown or not stated</p>
211-212	2	<p><u>BIRWT14</u> <u>Weight at Delivery Recode 14</u></p> <p>01        ...    249 grams or less 02        ...    250-349 grams 03        ...    350-499 grams 04        ...    500-999 grams 05        ...    1000-1499 grams 06        ...    1500-1999 grams 07        ...    2000-2499 grams 08        ...    2500-2999 grams 09        ...    3000-3499 grams 10        ...    3500-3999 grams 11        ...    4000-4499 grams 12        ...    4500-4999 grams 13        ...    5000-8165 grams 14        ...    Unknown or not stated</p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
213	1	<p><u>BIRWT4</u> <u>Weight at Delivery Recode 4</u></p> <p>1           ...   1499 grams or less 2           ...   1500-2499 grams 3           ...   2500 gram or more 4           ...   Unknown or not stated</p>
214	1	<p><u>PLURIMP</u> <u>Plurality Imputation Flag</u></p> <p>Blank       ...   Plurality is not imputed 1           ...   Plurality is imputed</p>
215	1	<p><u>DPLURAL</u> <u>Plurality</u></p> <p>Louisiana does not report plurality.</p> <p>1           ...   Single 2           ...   Twin 3           ...   Triplet 4           ...   Quadruplet 5           ...   Quadruplet or higher 9           ...   Louisiana occurrence to resident</p>
216-217	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>02-47       ...   Estimated gestation in weeks 99           ...   Unknown or not stated</p>
218-219	2	<p><u>R5</u> <u>Reserved Positions</u></p>

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
220-314	95	<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.
220-226	7	<u>DELMETH</u> <u>Method of Delivery</u>  Each method is assigned a separate position, and the code structure for each method (position) is: <ul style="list-style-type: none"> <li>1 ... The method was used</li> <li>2 ... The method was not used</li> <li>8 ... Method not on certificate</li> <li>9 ... Method unknown or not stated</li> </ul>
220	1	<u>VAGINAL</u> <u>Vaginal</u>
221	1	<u>VBAC</u> <u>Vaginal Birth After Previous C-Section</u>
222	1	<u>PRIMAC</u> <u>Primary C-Section</u>
223	1	<u>REPEAC</u> <u>Repeat C-Section</u>
224	1	<u>FORCEP</u> <u>Forceps</u>
225	1	<u>VACUUM</u> <u>Vacuum</u>
226	1	<u>HYSTER</u> <u>Hysterotomy/Hysterectomy</u>

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
227	1	<u>DELMETH6</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 ... Hysterotomy/Hysterectomy 6 ... Not stated
228-244	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
228	1	<u>ANEMIA</u> <u>Anemia (Hct.&lt;30/Hgb.&lt;10)</u>
229	1	<u>CARDIAC</u> <u>Cardiac disease</u>
230	1	<u>LUNG</u> <u>Acute or chronic lung disease</u>
231	1	<u>DIABETES</u> <u>Diabetes</u>
232	1	<u>HERPES</u> <u>Genital herpes</u>
233	1	<u>HYDRA</u> <u>Hydramnios/Oligohydramnios</u>
234	1	<u>HEMO</u> <u>Hemoglobinopathy</u>

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
235	1	<u>CHYPER</u> <u>Hypertension, chronic</u>
236	1	<u>PHYPER</u> <u>Hypertension, pregnancy-associated</u>
237	1	<u>ECLAMP</u> <u>Eclampsia</u>
238	1	<u>INCERVIX</u> <u>Incompetent cervix</u>
239	1	<u>PRE4000</u> <u>Previous infant 4000+ grams</u>
240	1	<u>PRETERM</u> <u>Previous preterm or small-for-gestational-age infant</u>
241	1	<u>RENAL</u> <u>Renal disease</u>
242	1	<u>RH</u> <u>Rh sensitization</u>
243	1	<u>UTERINE</u> <u>Uterine bleeding</u>
244	1	<u>OTHERMR</u> <u>Other Medical Risk Factors</u>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
245-255	11	<u>OTHERRSK</u> <u>Other Risk Factors For This Pregnancy</u>
245-248	4	<u>TOBACRSK</u> <u>Tobacco Risks</u>
245	1	<u>TOBACCO</u> <u>Tobacco Use During Pregnancy</u>
		1           ...    Yes
		2           ...    No
		9           ...    Unknown or not stated
246-247	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
248	1	<u>CIGAR6</u> <u>Average Number of Cigarettes Per Day Recode</u>
		0           ...    Non smoker
		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
249-252	4	<u>ALCOHRSK</u> <u>Alcohol</u>
249	1	<u>ALCOHOL</u> <u>Alcohol Use During Pregnancy</u>
		1           ...    Yes
		2           ...    No
		9           ...    Unknown or not stated

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
250-251	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
252	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
253-255	3	<u>WTGANRSK</u> <u>Weight Gain During Pregnancy</u>
253-254	2	<u>WTGAIN</u> <u>Weight Gain</u> 00-97     ...     Stated number of pounds 98        ...     98 pounds or more 99        ...     Unknown or not stated
255	1	<u>WTGAIN8</u> <u>Weight Gain Recode</u> 1        ...     Less than 10 pounds 2        ...     10-14 pounds 3        ...     15-19 pounds 4        ...     20-24 pounds 5        ...     25-29 pounds 6        ...     30-34 pounds 7        ...     35 or more pounds 8        ...     Unknown or not stated

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
256-262	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
256	1	<u>AMNIO</u> <u>Amniocentesis</u>
257	1	<u>MONITOR</u> <u>Electronic fetal monitoring</u>
258	1	<u>INDUCT</u> <u>Induction of labor</u>
259	1	<u>STIMULA</u> <u>Stimulation of labor</u>
260	1	<u>TOCOL</u> <u>Tocolysis</u>
261	1	<u>ULTRAS</u> <u>Ultrasound</u>
262	1	<u>OTHEROB</u> <u>Other Obstetric Procedures</u>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
263-278	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
263	1	<u>FEBRILE</u> <u>Febrile (&gt;100 degrees F. or 38 degrees C.)</u>
264	1	<u>MECONIUM</u> <u>Meconium</u>
265	1	<u>RUPTURE</u> <u>Premature rupture of membrane (&gt;12 hours)</u>
266	1	<u>ABRUPTIO</u> <u>Abruptio placenta</u>
267	1	<u>PREPLACE</u> <u>Placenta previa</u>
268	1	<u>EXCEBLD</u> <u>Other excessive bleeding</u>
269	1	<u>SEIZURE</u> <u>Seizures during labor</u>
270	1	<u>PRECIP</u> <u>Precipitous labor (&lt;3 hours)</u>
271	1	<u>PROLONG</u> <u>Prolonged labor (&gt;20 hours)</u>
272	1	<u>DYSFUNC</u> <u>Dysfunctional labor</u>
273	1	<u>BREECH</u> <u>Breech/Malpresentation</u>
274	1	<u>CEPHALO</u> <u>Cephalopelvic disproportion</u>
275	1	<u>CORD</u> <u>Cord prolapse</u>

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
276	1	<u>ANESTHE</u> <u>Anesthetic complications</u>
277	1	<u>DISTRESS</u> <u>Fetal distress</u>
278	1	<u>OTHERLB</u> <u>Other Complication of Labor and/or Delivery</u>
279-300	22	<u>CONGENIT</u> <u>CONGENITAL ANOMALIES</u>  Each anomaly is assigned a separate position, and the code structure for each anomaly (position) is:  1 ... Anomaly reported 2 ... Anomaly not reported 8 ... Anomaly not on certificate 9 ... Anomaly not classifiable
279	1	<u>ANEN</u> <u>Anencephalus</u>
280	1	<u>SPINA</u> <u>Spina bifida/Meningocele</u>
281	1	<u>HYDRO</u> <u>Hydrocephalus</u>
282	1	<u>MICROCE</u> <u>Microcephalus</u>
283	1	<u>NERVOUS</u> <u>Other central nervous system anomalies</u>
284	1	<u>HEART</u> <u>Heart malformations</u>
285	1	<u>CIRCUL</u> <u>Other circulatory/respiratory anomalies</u>
286	1	<u>RECTAL</u> <u>Rectal atresia/stenosis</u>
287	1	<u>TRACHEO</u> <u>Tracheo - esophageal fistula/Esophageal atresia</u>

1990 FETAL DEATHS  
 DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
288	1	<u>OMPHALO</u> <u>Omphalocele/Gastroschisis</u>
289	1	<u>GASTRO</u> <u>Other gastrointestinal anomalies</u>
290	1	<u>GENITAL</u> <u>Malformed genitalia</u>
291	1	<u>RENALAGE</u> <u>Renal agenesis</u>
292	1	<u>UROGEN</u> <u>Other urogenital anomalies</u>
293	1	<u>CLEFTLP</u> <u>Cleft lip/palate</u>
294	1	<u>ADACTYLY</u> <u>Polydactyly/Syndactyly/Adactyly</u>
295	1	<u>CLUBFOOT</u> <u>Club foot</u>
296	1	<u>HERNIA</u> <u>Diaphragmatic hernia</u>
297	1	<u>MUSCULO</u> <u>Other musculoskeletal/integumental anomalies</u>
298	1	<u>DOWNS</u> <u>Down's syndrome</u>
299	1	<u>CHROMO</u> <u>Other chromosomal anomalies</u>
300	1	<u>OTHERCON</u> <u>Other Congenital Anomalies</u>
301-314	14	<u>R5A</u> <u>Reserved Positions</u>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
315-339	25	<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 in the report of fetal death of the State of residence identified in positions 31-32.</p> <p>The code structure for each flag (position) is:</p> <p>0 ... The item is not reported 1 ... The item is reported</p>
315	1	<p><u>GESTALL</u> <u>All Gestations Reported</u></p>
316	1	<p><u>ORIGM</u> <u>Origin of mother</u></p>
317	1	<p><u>ORIGF</u> <u>Origin of father</u></p>
318	1	<p><u>EDUCM</u> <u>Education of mother</u></p>
319	1	<p><u>EDUCF</u> <u>Education of father</u></p>
320	1	<p><u>LLBF</u> <u>Date of last live birth</u></p>
321	1	<p><u>DMARF</u> <u>Marital status</u></p>
322	1	<p><u>DATELMP</u> <u>Date of last normal menses</u></p>
323	1	<p><u>PNCF</u> <u>Month prenatal care began</u></p>
324	1	<p><u>PNVF</u> <u>Number of prenatal visits</u></p>
325	1	<p><u>GESTE</u> <u>Clinical estimate of gestation</u></p>
326	1	<p><u>DELMETRF</u> <u>Method of delivery</u></p>
327	1	<p><u>MEDRSK</u> <u>Medical risk factors</u></p>

1990 FETAL DEATHS  
DETAIL RECORD

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
328	1	<u>TOBUSE</u> <u>Tobacco use</u>
329	1	<u>CIGARSF</u> <u>Number of cigarettes</u>
330	1	<u>ALCUSE</u> <u>Alcohol use</u>
331	1	<u>DRINKSF</u> <u>Number of drinks</u>
332	1	<u>WTGN</u> <u>Weight gain</u>
333	1	<u>OBSTRC</u> <u>Obstetric procedures</u>
334	1	<u>CLABOR</u> <u>Complications of labor and/or delivery</u>
335	1	<u>CONGAN</u> <u>Congenital anomalies</u>
336	1	<u>UCF</u> <u>Underlying cause</u>
337	1	<u>PLURALF</u> <u>Plurality</u>
338-339	2	<u>R8</u> <u>Reserved positions</u>
340	1	<u>ALLGOCC</u> <u>ALL GESTATIONS REPORTING FLAG FOR PLACE OF OCCURRENCE</u>

This position indicates whether or not all gestation periods are reported by the State of occurrence identified in positions 15-16.

0 ... All gestations are not reported  
1 ... All gestations are reported

**1990 FETAL DEATHS  
DETAIL RECORD**

<u>Item Location</u>	<u>Item Length</u>	<u>Variable Name, Item and Code Outline</u>
341-356	16	<u>R8A</u> <u>Reserved Positions</u>
357-359	3	<u>SMSARES</u> <u>NCHS Standard Metropolitan Statistical Area (SMSA) OF Residence</u>  Based on residence of the mother. Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Managemnt 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 SMSA's and their component counties.  000           ...    Nonmetropolitan counties 001-320       ...    Code range 999           ...    Area of less than 100,000 population ZZZ           ...    Foreigh residents
360	1	<u>POPSMAS</u> <u>SMSA Population Size</u>  Based on the results of the 1980 Census.  1             ...    SMSA of 250,000 and over 2             ...    SMSA of 100,000 to 250,000 9             ...    SMSA of less than 100,000 or Nonmetropolitan area Z             ...    Foreigh resident

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
01					Alabama	01	
001	196	1			Autauga	001	5240
			030	6	Prattville, part		
			999	9	Balance of county		
002	192	1	999	9	Baldwin	003	5160
003	000	2			Barbour	005	0000
			013	6	Eufaula		
			999	9	Balance of county		
004	000	2	999	9	Bibb	007	0000
005	037	1	999	9	Blount	009	1000
006	000	2	999	9	Bullock	011	0000
007	000	2	999	9	Butler	013	0000
008	015	1			Calhoun	015	0450
			004	5	Anniston		
			999	9	Balance of county		
009	000	2	999	9	Chambers	017	0000
010	000	2	999	9	Cherokee	019	0000
011	000	2	999	9	Chilton	021	0000
012	000	2	999	9	Choctaw	023	0000
013	000	2	999	9	Clarke	025	0000
014	000	2	999	9	Clay	027	0000
015	000	2	999	9	Cleburne	029	0000
016	000	2			Coffee	031	0000
			012	6	Enterprise, part		
			999	9	Balance of county		
017	100	1			Colbert	033	2650
			034	6	Sheffield		
			999	9	Balance of county		
018	000	2	999	9	Conecuh	035	0000
019	000	2	999	9	Coosa	037	0000
020	000	2			Covington	039	0000
			003	6	Andalusia		
			999	9	Balance of county		
021	000	2	999	9	Crenshaw	041	0000
022	000	2			Cullman	043	0000
			009	6	Cullman		
			999	9	Balance of county		
023	085	1			Dale	045	2180
			011	5	Dothan, part		
			012	6	Enterprise, part		
			028	6	Ozark		
			999	9	Balance of county		
024	000	2			Dallas	047	0000
			033	5	Selma		
			999	9	Balance of county		
025	000	2			De Kalb	049	0000
			016	6	Fort Payne		
			999	9	Balance of county		
026	196	1			Elmore	051	5240
			030	6	Prattville, part		
			999	9	Balance of county		
027	000	2	999	9	Escambia	053	0000
028	111	1			Etowah	055	2880
			017	5	Gadsden		
			999	9	Balance of county		
029	000	2	999	9	Fayette	057	0000
030	000	2	999	9	Franklin	059	0000
031	000	2	999	9	Geneva	061	0000
032	000	2	999	9	Greene	063	0000
033	000	2	999	9	Hale	065	0000
034	000	2	999	9	Henry	067	0000
035	085	1			Houston	069	2180
			011	5	Dothan, part		
			999	9	Balance of county		
036	000	2			Jackson	071	0000
			032	6	Scottsboro		
			999	9	Balance of county		
037	037	1			Jefferson	073	1000
			007	5	Bessemer		
			008	2	Birmingham		
			014	6	Fairfield		
			018	6	Homewood		
			019	6	Hoover, part		
			020	6	Hueytown		
			025	6	Mountain Brook		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
01					Alabama	01	
			040	6	Vestavia Hills		
			999	9	Balance of county		
038	000	2	999	9	Lamar	075	0000
039	100	1			Lauderdale	077	2650
			015	5	Florence		
			999	9	Balance of county		
040	080	1	999	9	Lawrence	079	2030
041	000	2			Lee	081	0000
			006	5	Auburn		
			027	6	Opelika		
			029	5	Phenix City, part		
			999	9	Balance of county		
042	000	2			Limestone	083	0000
			005	6	Athens		
			999	9	Balance of county		
043	000	2	999	9	Lowndes	085	0000
044	000	2			Macon	087	0000
			039	6	Tuskegee		
			999	9	Balance of county		
045	132	1			Madison	089	3440
			021	3	Huntsville		
			999	9	Balance of county		
046	000	2	999	9	Marengo	091	0000
047	000	2	999	9	Marion	093	0000
048	000	2			Marshall	095	0000
			001	6	Albertville		
			999	9	Balance of county		
049	192	1			Mobile	097	5160
			023	3	Mobile		
			031	5	Prichard		
			999	9	Balance of county		
050	000	2	999	9	Monroe	099	0000
051	196	1			Montgomery	101	5240
			024	3	Montgomery		
			999	9	Balance of county		
052	080	1			Morgan	103	2030
			010	5	Decatur		
			999	9	Balance of county		
053	000	2	999	9	Perry	105	0000
054	000	2	999	9	Pickens	107	0000
055	000	2			Pike	109	0000
			037	6	Troy		
			999	9	Balance of county		
056	000	2	999	9	Randolph	111	0000
057	071	1			Russell	113	1800
			029	5	Phenix City, part		
			999	9	Balance of county		
058	037	1	999	9	St. Clair	115	1000
059	037	1			Shelby	117	1000
			019	6	Hoover, part		
			999	9	Balance of county		
060	000	2	999	9	Sumter	119	0000
061	000	2			Talladega	121	0000
			035	6	Sylacauga		
			036	6	Talladega		
			999	9	Balance of county		
062	000	2			Tallapoosa	123	0000
			002	6	Alexander City		
			999	9	Balance of county		
063	296	1			Tuscaloosa	125	8600
			026	6	Northport		
			038	4	Tuscaloosa		
			999	9	Balance of county		
064	037	1			Walker	127	1000
			022	6	Jasper		
			999	9	Balance of county		
065	000	2	999	9	Washington	129	0000
066	000	2	999	9	Wilcox	131	0000
067	000	2	999	9	Winston	133	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
02					Alaska	02	
	001	000	2	999	9 Aleutian Islands	010	0000
	002	011	1	001	3 Anchorage, coext. with Anchorage city	020	0380
	003	000	2	999	9 Bethel	050	0000
	004	000	2	999	9 Bristol Bay borough	060	0000
	005	000	2	999	9 Dillingham	070	0000
	006	000	2		Fairbanks North Star borough	090	0000
				002	6 Fairbanks		
				999	9 Balance of area		
	007	000	2	999	9 Haines borough	100	0000
	008	000	2	003	6 Juneau, coext. with Juneau city	110	0000
	009	000	2	999	9 Kenai Peninsula borough	122	0000
	010	000	2	999	9 Ketchikan Gateway borough	130	0000
	011	000	2	999	9 Kobuk	140	0000
	012	000	2	999	9 Kodiak Island borough	150	0000
	013	000	2	999	9 Matanuska-Susitna borough	170	0000
	014	000	2	999	9 Nome	180	0000
	015	000	2	999	9 North Slope borough	185	0000
	016	000	2	999	9 Prince of Wales-Outer Ketchikan	201	0000
	017	000	2	999	9 Sitka borough	220	0000
	018	000	2	999	9 Skagway-Yakutat-Angoon	231	0000
	019	000	2	999	9 Southeast Fairbanks	240	0000
	020	000	2	999	9 Valdez-Cordova	261	0000
	021	000	2	999	9 Wade Hampton	270	0000
	022	000	2	999	9 Wrangell-Petersburg	280	0000
	023	000	2	999	9 Yukon-Koyukuk	290	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
03					Arizona	04
	001	000	2	999 9	Apache	001 0000
	002	000	2		Cochise	003 0000
				003 6	Douglas	
				014 5	Sierra Vista	
				999 9	Balance of county	
	003	000	2		Coconino	005 0000
				004 5	Flagstaff	
				999 9	Balance of county	
	004	000	2	999 9	Gila	007 0000
	005	000	2	999 9	Graham	009 0000
	006	000	2	999 9	Greenlee	011 0000
	007	226	1		Maricopa	013 6200
				002 5	Chandler	
				005 4	Glendale	
				007 3	Mesa	
				009 6	Paradise Valley	
				010 6	Peoria	
				011 1	Phoenix	
				013 4	Scottsdale	
				015 3	Tempe	
				999 9	Balance of county	
	008	000	2		Mohave	015 0000
				006 6	Lake Havasu City	
				999 9	Balance of county	
	009	000	2	999 9	Navajo	017 0000
	010	294	1		Pima	019 8520
				016 2	Tucson	
				999 9	Balance of county	
	011	000	2		Pinal	021 0000
				001 6	Casa Grande	
				999 9	Balance of county	
	012	000	2		Santa Cruz	023 0000
				008 6	Nogales	
				999 9	Balance of county	
	013	000	2		Yavapai	025 0000
				012 6	Prescott	
				999 9	Balance of county	
	014	320	1		Yuma	027 9360
				017 5	Yuma	
				999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St Cnty	MSA	M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
04				Arkansas				05	
001	000	2			Arkansas			001	0000
			025	6	Stuttgart				
			999	9	Balance of county				
002	000	2	999	9	Ashley			003	0000
003	000	2	999	9	Baxter			005	0000
004	000	2			Benton			007	0000
			020	6	Rogers				
			024	6	Springdale, part				
			999	9	Balance of county				
005	000	2	999	9	Boone			009	0000
006	000	2	999	9	Bradley			011	0000
007	000	2	999	9	Calhoun			013	0000
008	000	2	999	9	Carroll			015	0000
009	000	2	999	9	Chicot			017	0000
010	000	2			Clark			019	0000
			001	6	Arkadelphia				
			999	9	Balance of county				
011	000	2	999	9	Clay			021	0000
012	000	2	999	9	Cleburne			023	0000
013	000	2	999	9	Cleveland			025	0000
014	000	2			Columbia			027	0000
			015	6	Magnolia				
			999	9	Balance of county				
015	000	2	999	9	Conway			029	0000
016	000	2			Craighead			031	0000
			013	5	Jonesboro				
			999	9	Balance of county				
017	106	1			Crawford			033	2720
			027	6	Van Buren				
			999	9	Balance of county				
018	185	1			Crittenden			035	4920
			029	5	West Memphis				
			999	9	Balance of county				
019	000	2	999	9	Cross			037	0000
020	000	2	999	9	Dallas			039	0000
021	000	2	999	9	Desha			041	0000
022	000	2	999	9	Drew			043	0000
023	171	1			Faulkner			045	4400
			005	6	Conway				
			999	9	Balance of county				
024	000	2	999	9	Franklin			047	0000
025	000	2	999	9	Fulton			049	0000
026	000	2			Garland			051	0000
			011	5	Hot Springs				
			999	9	Balance of county				
027	000	2	999	9	Grant			053	0000
028	000	2			Greene			055	0000
			018	6	Paragould				
			999	9	Balance of county				
029	000	2			Hempstead			057	0000
			010	6	Hope				
			999	9	Balance of county				
030	000	2			Hot Spring			059	0000
			016	6	Malvern				
			999	9	Balance of county				
031	000	2	999	9	Howard			061	0000
032	000	2	999	9	Independence			063	0000
033	000	2	999	9	Izard			065	0000
034	000	2	999	9	Jackson			067	0000
035	227	1			Jefferson			069	6240
			019	4	Pine Bluff				
			999	9	Balance of county				
036	000	2	999	9	Johnson			071	0000
037	000	2	999	9	Lafayette			073	0000
038	000	2	999	9	Lawrence			075	0000
039	000	2	999	9	Lee			077	0000
040	000	2	999	9	Lincoln			079	0000
041	000	2	999	9	Little River			081	0000
042	000	2	999	9	Logan			083	0000
043	171	1	999	9	Lonoke			085	4400
044	000	2	999	9	Madison			087	0000
045	000	2	999	9	Marion			089	0000
046	290	1			Miller			091	8360
			026	6	Texarkana				

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
04				Arkansas	05
			999 9	Balance of county	
047	000	2		Mississippi	093 0000
			003 6	Blytheville	
			999 9	Balance of county	
048	000	2	999 9	Monroe	095 0000
049	000	2	999 9	Montgomery	097 0000
050	000	2	999 9	Nevada	099 0000
051	000	2	999 9	Newton	101 0000
052	000	2		Duachita	103 0000
			004 6	Camden	
			999 9	Balance of county	
053	000	2	999 9	Perry	105 0000
054	000	2		Phillips	107 0000
			028 6	West Helena	
			999 9	Balance of county	
055	000	2	999 9	Pike	109 0000
056	000	2	999 9	Poinsett	111 0000
057	000	2	999 9	Polk	113 0000
058	000	2		Pope	115 0000
			021 6	Russellville	
			999 9	Balance of county	
059	000	2	999 9	Prairie	117 0000
060	171	1		Pulaski	119 4400
			012 5	Jacksonville	
			014 3	Little Rock	
			017 4	North Little Rock	
			023 6	Sherwood	
			999 9	Balance of county	
061	000	2	999 9	Randolph	121 0000
062	000	2		St. Francis	123 0000
			008 6	Forrest City	
			999 9	Balance of county	
063	171	1		Saline	125 4400
			002 6	Benton	
			999 9	Balance of county	
064	000	2	999 9	Scott	127 0000
065	000	2	999 9	Searcy	129 0000
066	106	1		Sebastian	131 2720
			009 4	Fort Smith	
			999 9	Balance of county	
067	000	2	999 9	Sevier	133 0000
068	000	2	999 9	Sharp	135 0000
069	000	2	999 9	Stone	137 0000
070	000	2		Union	139 0000
			006 5	El Dorado	
			999 9	Balance of county	
071	000	2	999 9	Van Buren	141 0000
072	098	1		Washington	143 2580
			007 5	Fayetteville	
			024 6	Springdale, part	
			999 9	Balance of county	
073	000	2		White	145 0000
			022 6	Searcy	
			999 9	Balance of county	
074	000	2	999 9	Woodruff	147 0000
075	000	2	999 9	Yell	149 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.				Vital Statistics Codes		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
05					California	06	
	001	210	1		Alameda		001 5775
				001	4 Alameda		
				002	6 Albany		
				022	3 Berkeley		
				071	3 Fremont		
				082	4 Hayward		
				107	5 Livermore		
				141	5 Newark		
				146	2 Oakland		
				163	6 Piedmont		
				168	5 Pleasanton		
				202	4 San Leandro		
				241	5 Union City		
				999	9 Balance of county		
	002	000	2	999	9 Alpine		003 0000
	003	000	2	999	9 Amador		005 0000
	004	064	1		Butte		007 1620
				037	5 Chico		
				158	6 Paradise		
				999	9 Balance of county		
	005	000	2	999	9 Calaveras		009 0000
	006	000	2	999	9 Colusa		011 0000
	007	210	1		Contra Costa		013 5775
				005	5 Antioch		
				045	3 Concord		
				061	6 El Cerrito		
				094	6 Lafayette		
				123	6 Martinez		
				136	6 Moraga Town		
				164	6 Pinole		
				165	5 Pittsburg		
				167	5 Pleasant Hill		
				180	4 Richmond		
				207	6 San Pablo		
				248	4 Walnut Creek		
				999	9 Balance of county		
	008	000	2	999	9 Del Norte		015 0000
	009	250	1		El Dorado		017 6920
				226	6 South Lake Tahoe		
				999	9 Balance of county		
	010	110	1		Fresno		019 2840
				041	5 Clovis		
				072	3 Fresno		
				178	6 Reedley		
				199	6 Sanger		
				221	6 Selma		
				999	9 Balance of county		
	011	000	2	999	9 Glenn		021 0000
	012	000	2		Humboldt		023 0000
				007	6 Arcata		
				065	6 Eureka		
				999	9 Balance of county		
	013	000	2		Imperial		025 0000
				024	6 Brawley		
				029	6 Calexico		
				060	6 El Centro		
				999	9 Balance of county		
	014	000	2	999	9 Inyo		027 0000
	015	024	1		Kern		029 0680
				013	3 Bakersfield		
				056	6 Delano		
				181	6 Ridgecrest		
				999	9 Balance of county		
	016	000	2		Kings		031 0000
				079	6 Hanford		
				999	9 Balance of county		
	017	000	2	999	9 Lake		033 0000
	018	000	2	999	9 Lassen		035 0000
	019	174	1		Los Angeles		037 4480
				003	4 Alhambra		
				006	5 Arcadia		
				009	6 Artesia		
				012	5 Azusa		
				014	4 Baldwin Park		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes			FIPS Codes		
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
05			California	06	
		017 5	Bell		
		018 4	Bellflower		
		019 5	Bell Gardens		
		023 5	Beverly Hills		
		027 4	Burbank		
		034 4	Carson		
		036 4	Cerritos		
		040 5	Claremont		
		043 6	Commerce		
		044 4	Compton		
		049 5	Covina		
		050 6	Cudahy		
		051 5	Culver City		
		057 4	Downey		
		058 6	Duarte		
		062 4	El Monte		
		063 6	El Segundo		
		074 5	Gardena		
		077 3	Glendale		
		078 5	Glendora		
		080 6	Hawaiian Gardens		
		081 4	Hawthorne		
		084 6	Hermosa Beach		
		088 5	Huntington Park		
		091 4	Inglewood		
		093 6	La Canada Flintridge		
		097 4	Lakewood		
		099 5	La Mirada		
		100 5	Lancaster		
		102 5	La Puente		
		104 6	La Verne		
		105 6	Lawndale		
		110 6	Lomita		
		112 2	Long Beach		
		115 0	Los Angeles		
		118 5	Lynwood		
		120 5	Manhattan Beach		
		124 6	Maywood		
		131 5	Monrovia		
		133 4	Montebello		
		135 4	Monterey Park		
		144 4	Norwalk		
		153 6	Palmdale		
		157 6	Palos Verdes Estates		
		159 5	Paramount		
		160 3	Pasadena		
		162 4	Pico Rivera		
		169 4	Pomona		
		173 5	Rancho Palos Verdes		
		176 4	Redondo Beach		
		184 5	Rosemead		
		195 6	San Dimas		
		196 6	San Fernando		
		198 5	San Gabriel		
		205 6	San Marino		
		213 6	Santa Fe Springs		
		215 4	Santa Monica		
		222 6	Sierra Madre		
		224 6	South El Monte		
		225 4	South Gate		
		227 6	South Pasadena		
		233 5	Temple City		
		235 3	Torrance		
		250 4	West Covina		
		252 4	Whittier		
		999 9	Balance of county		
020	000	2	Madera	039	0000
		119 6	Madera		
		999 9	Balance of county		
021	261	1	Marin	041	7360
		103 6	Larkspur		
		128 6	Mill Valley		
		145 5	Novato		
		188 6	San Anselmo		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes
Vital Statistics Codes						St Cnty MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	
05					California	06
			208	5	San Rafael	
			999	9	Balance of county	
022	000	2	999	9	Mariposa	043 0000
023	000	2			Mendocino	045 0000
			240	6	Ukiah	
			999	9	Balance of county	
024	186	1			Merced	047 4940
			011	6	Atwater	
			116	6	Los Banos	
			126	5	Merced	
			999	9	Balance of county	
025	000	2	999	9	Modoc	049 0000
026	000	2	999	9	Mono	051 0000
027	256	1			Monterey	053 7120
			122	6	Marina	
			134	5	Monterey	
			152	6	Pacific Grove	
			187	4	Salinas	
			220	5	Seaside	
			999	9	Balance of county	
028	299	1			Napa	055 8720
			139	4	Napa	
			999	9	Balance of county	
029	000	2	999	9	Nevada	057 0000
030	010	1			Orange	059 0360
			004	3	Anaheim	
			025	5	Brea	
			026	4	Buena Park	
			048	4	Costa Mesa	
			053	5	Cypress	
			070	4	Fountain Valley	
			073	3	Fullerton	
			075	3	Garden Grove	
			087	3	Huntington Beach	
			092	4	Irvine	
			095	6	Laguna Beach	
			096	5	La Habra	
			101	6	La Palma	
			113	6	Los Alamitos	
			142	4	Newport Beach	
			149	4	Orange	
			166	5	Placentia	
			193	5	San Clemente	
			201	6	San Juan Capistrano	
			209	3	Santa Ana	
			219	5	Seal Beach	
			229	6	Stanton	
			239	5	Tustin	
			251	4	Westminster	
			254	5	Yorba Linda	
			999	9	Balance of county	
031	250	1			Placer	061 6920
			185	6	Roseville	
			999	9	Balance of county	
032	000	2	999	9	Plumas	063 0000
033	245	1			Riverside	065 6780
			015	6	Banning	
			046	5	Corona	
			083	6	Hemet	
			090	6	Indio	
			143	6	Norco	
			154	6	Palm Desert	
			155	5	Palm Springs	
			182	3	Riverside	
			999	9	Balance of county	
034	250	1			Sacramento	067 6920
			067	6	Folsom	
			186	2	Sacramento	
			999	9	Balance of county	
035	000	2			San Benito	069 0000
			086	6	Hollister	
			999	9	Balance of county	
036	245	1			San Bernardino	071 6780
			016	6	Barstow	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.				FIPS Codes	
Vital Statistics Codes				St Cnty	MSA
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	
05				California	06
			038 5	Chino	
			042 5	Colton	
			068 5	Fontana	
			109 6	Loma Linda	
			132 6	Montclair	
			148 4	Ontario	
			172 4	Rancho Cucamonga	
			175 5	Redlands	
			179 5	Rialto	
			189 3	San Bernardino	
			242 5	Upland	
			245 6	Victorville	
			999 9	Balance of county	
037	260	1		San Diego	073 7320
			032 5	Carlsbad	
			039 4	Chula Vista	
			047 6	Coronado	
			059 4	El Cajon	
			064 4	Escondido	
			089 6	Imperial Beach	
			098 4	La Mesa	
			106 6	Lemon Grove	
			140 5	National City	
			147 4	Oceanside	
			194 1	San Diego	
			204 6	San Marcos	
			247 5	Vista	
			999 9	Balance of county	
038	261	1	197 1	San Francisco, coext. with San Francisco city	075 7360
039	284	1		San Joaquin	077 8120
			108 5	Lodi	
			121 6	Manteca	
			230 3	Stockton	
			236 6	Tracy	
			999 9	Balance of county	
040	000	2		San Luis Obispo	079 0000
			008 6	Arroyo Grande	
			010 6	Atascadero	
			203 5	San Luis Obispo	
			999 9	Balance of county	
041	261	1		San Mateo	081 7360
			020 6	Belmont	
			028 5	Burlingame	
			054 4	Daly City	
			069 6	Foster City	
			085 6	Hillsborough	
			125 5	Menlo Park	
			127 6	Millbrae	
			151 5	Pacifica	
			177 4	Redwood City	
			190 5	San Bruno	
			192 6	San Carlos	
			206 4	San Mateo	
			228 5	South San Francisco	
			999 9	Balance of county	
042	263	1		Santa Barbara	083 7480
			033 6	Carpinteria	
			111 5	Lompoc	
			210 4	Santa Barbara	
			214 5	Santa Maria	
			999 9	Balance of county	
043	262	1		Santa Clara	085 7400
			031 5	Campbell	
			052 5	Cupertino	
			076 6	Gilroy	
			114 5	Los Altos	
			117 5	Los Gatos	
			129 5	Milpitas	
			137 6	Morgan Hill	
			138 4	Mountain View	
			156 4	Palo Alto	
			200 1	San Jose	
			211 4	Santa Clara	
			218 5	Saratoga	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data				FIPS Codes	
Vital Statistics Codes				St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
05				California	06
			232 3	Sunnyvale	
			999 9	Balance of county	
044	264	1		Santa Cruz	087 7485
			212 5	Santa Cruz	
			249 6	Watsonville	
			999 9	Balance of county	
045	241	1		Shasta	089 6690
			174 5	Redding	
			999 9	Balance of county	
046	000	2	999 9	Sierra	091 0000
047	000	2	999 9	Siskiyou	093 0000
048	299	1		Solano	095 8720
			021 6	Benicia	
			066 4	Fairfield	
			231 6	Suisun City	
			243 5	Vacaville	
			244 4	Vallejo	
			999 9	Balance of county	
049	266	1		Sonoma	097 7500
			161 5	Petaluma	
			183 6	Rohnert Park	
			217 4	Santa Rosa	
			999 9	Balance of county	
050	193	1		Stanislaus	099 5170
			035 6	Ceres	
			130 3	Modesto	
			238 5	Turlock	
			999 9	Balance of county	
051	319	1		Sutter	101 9340
			255 6	Yuba City	
			999 9	Balance of county	
052	000	2	999 9	Tehama	103 0000
053	000	2	999 9	Trinity	105 0000
054	303	1		Tulare	107 8780
			170 6	Porterville	
			237 6	Tulare	
			246 5	Visalia	
			999 9	Balance of county	
055	000	2	999 9	Tuolumne	109 0000
056	219	1		Ventura	111 6000
			030 5	Camarillo	
			150 3	Oxnard	
			171 6	Port Hueneme	
			191 4	San Buenaventura (Ventura)	
			216 6	Santa Paula	
			223 4	Simi Valley	
			234 4	Thousand Oaks	
			999 9	Balance of county	
057	250	1		Yolo	113 6920
			055 5	Davis	
			253 5	Woodland	
			999 9	Balance of county	
058	319	1	999 9	Yuba	115 9340

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
06				Colorado	08
	001	082	1	Adams	001 2080
			001	Arvada, part	
			002	Aurora, part	
			004	Brighton, part	
			005	Broomfield, part	
			008	Commerce City	
			020	Northglenn	
			023	Thornton	
			024	Westminster, part	
			999	Balance of county	
	002	000	2	Alamosa	003 0000
	003	082	1	Arapahoe	005 2080
			002	Aurora, part	
			011	Englewood	
			017	Littleton, part	
			999	Balance of county	
	004	000	2	Archuleta	007 0000
	005	000	2	Baca	009 0000
	006	000	2	Bent	011 0000
	007	043	1	Boulder	013 1125
			003	Boulder	
			005	Broomfield, part	
			018	Longmont	
			999	Balance of county	
	008	000	2	Chaffee	015 0000
	009	000	2	Cheyenne	017 0000
	010	000	2	Clear Creek	019 0000
	011	000	2	Conejos	021 0000
	012	000	2	Costilla	023 0000
	013	000	2	Crowley	025 0000
	014	000	2	Custer	027 0000
	015	000	2	Delta	029 0000
	016	082	1	Denver, coext. with Denver city	031 2080
	017	000	2	Dolores	033 0000
	018	082	1	Douglas	035 2080
			017	Littleton, part	
			999	Balance of county	
	019	000	2	Eagle	037 0000
	020	000	2	Elbert	039 0000
	021	068	1	El Paso	041 1720
			007	Colorado Springs	
			999	Balance of county	
	022	000	2	Fremont	043 0000
			006	Canon City	
			999	Balance of county	
	023	000	2	Garfield	045 0000
	024	000	2	Gilpin	047 0000
	025	000	2	Grand	049 0000
	026	000	2	Gunnison	051 0000
	027	000	2	Hinsdale	053 0000
	028	000	2	Huerfano	055 0000
	029	000	2	Jackson	057 0000
	030	082	1	Jefferson	059 2080
			001	Arvada, part	
			005	Broomfield, part	
			013	Golden	
			016	Lakewood	
			024	Westminster, part	
			025	Wheat Ridge	
			999	Balance of county	
	031	000	2	Kiowa	061 0000
	032	000	2	Kit Carson	063 0000
	033	000	2	Lake	065 0000
	034	000	2	La Plata	067 0000
			010	Durango	
			999	Balance of county	
	035	102	1	Larimer	069 2670
			012	Fort Collins	
			019	Loveland	
			999	Balance of county	
	036	000	2	Las Animas	071 0000
	037	000	2	Lincoln	073 0000
	038	000	2	Logan	075 0000
			022	Sterling	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
06					Colorado	08	
			999	9	Balance of county		
039	000	2			Mesa	077	0000
			014	5	Grand Junction		
			999	9	Balance of county		
040	000	2	999	9	Mineral	079	0000
041	000	2	999	9	Moffat	081	0000
042	000	2	999	9	Montezuma	083	0000
043	000	2	999	9	Montrose	085	0000
044	000	2	999	9	Morgan	087	0000
045	000	2	999	9	Otero	089	0000
046	000	2	999	9	Ouray	091	0000
047	000	2	999	9	Park	093	0000
048	000	2	999	9	Phillips	095	0000
049	000	2	999	9	Pitkin	097	0000
050	000	2	999	9	Prowers	099	0000
051	236	1			Pueblo	101	6560
			021	3	Pueblo		
			999	9	Balance of county		
052	000	2	999	9	Rio Blanco	103	0000
053	000	2	999	9	Rio Grande	105	0000
054	000	2	999	9	Routt	107	0000
055	000	2	999	9	Saguache	109	0000
056	000	2	999	9	San Juan	111	0000
057	000	2	999	9	San Miguel	113	0000
058	000	2	999	9	Sedgwick	115	0000
059	000	2	999	9	Summit	117	0000
060	000	2	999	9	Teller	119	0000
061	000	2	999	9	Washington	121	0000
062	119	1			Weld	123	3060
			004	6	Brighton, part		
			015	4	Greeley		
			999	9	Balance of county		
063	000	2	999	9	Yuma	125	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
07				Connecticut	09
	001	047	1	Fairfield	001 1163
			003	3 Bridgeport	
			005	4 Danbury	
			006	6 Darien town	
			011	4 Fairfield town	
			012	4 Greenwich town	
			026	4 Norwalk	
			031	5 Shelton	
			033	3 Stamford	
			034	4 Stratford town	
			036	5 Trumbull town	
			042	5 Westport town	
			999	9 Balance of county	
	002	126	1	Hartford	003 3283
			004	4 Bristol	
			008	4 East Hartford town	
			010	5 Enfield town	
			015	3 Hartford	
			016	5 Manchester town	
			021	4 New Britain	
			023	5 Newington town	
			029	6 Plainville town	
			030	6 Rocky Hill town	
			032	5 Southington town	
			040	4 West Hartford town	
			043	5 Wethersfield town	
			045	5 Windsor town	
			046	6 Windsor Locks town	
			999	9 Balance of county	
	003	000	2	Litchfield	005 0000
			035	5 Torrington	
			999	9 Balance of county	
	004	126	1	Middlesex	007 3283
			018	5 Middletown	
			999	9 Balance of county	
	005	203	1	New Haven	009 5483
			001	6 Ansonia	
			002	6 Branford town	
			007	6 Derby	
			009	5 East Haven town	
			014	4 Hamden town	
			017	4 Meriden	
			019	5 Milford	
			020	5 Naugatuck	
			022	3 New Haven	
			025	6 North Haven town	
			028	6 Orange town	
			038	5 Wallingford town	
			039	3 Waterbury	
			041	4 West Haven	
			999	9 Balance of county	
	006	204	1	New London	011 5523
			013	6 Groton	
			024	5 New London	
			027	5 Norwich	
			999	9 Balance of county	
	007	126	1	Tolland	013 3283
			037	5 Vernon town	
			999	9 Balance of county	
	008	000	2	Windham	015 0000
			044	6 Willimantic	
			999	9 Balance of county	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
08					Delaware	10	
	001	000	2		Kent	001	0000
				001	Dover		
				999	Balance of county		
	002	313	1		New Castle	003	9160
				002	Newark		
				003	Wilmington		
				999	Balance of county		
	003	000	2	999	Sussex	005	0000

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty MSA M/NM City P/S State, County, City, or Country Name

St Cnty MSA

09 001 305 1 001 1 District of Columbia

11 001 8840

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
10				Florida	12
	001	112	1	Alachua	001 2900
			026 4	Gainesville	
			999 9	Balance of county	
	002	000	2	Baker	003 0000
	003	220	1	Bay	005 6015
			066 5	Panama City	
			999 9	Balance of county	
	004	112	1	Bradford	007 2900
	005	184	1	Brevard	009 4900
			010 6	Cocoa	
			011 6	Cocoa Beach	
			046 5	Melbourne	
			064 6	Palm Bay	
			076 6	Rockledge	
			089 5	Titusville	
			999 9	Balance of county	
	006	103	1	Broward	011 2680
			012 6	Cooper City	
			014 5	Coral Springs	
			015 6	Dania	
			016 6	Davie	
			018 5	Deerfield Beach	
			022 3	Fort Lauderdale	
			029 5	Hallandale, part	
			031 3	Hollywood	
			040 5	Lauderdale Lakes	
			041 5	Lauderhill	
			043 6	Lighthouse Point	
			045 5	Margate	
			050 5	Miramar	
			054 6	North Lauderdale	
			058 6	Oakland Park	
			067 5	Pembroke Pines	
			070 5	Plantation	
			072 4	Pompano Beach	
			083 5	Sunrise	
			085 5	Tamarac	
			093 6	Wilton Manors	
			999 9	Balance of county	
	007	000	2	Calhoun	013 0000
	008	000	2	Charlotte	015 0000
	009	000	2	Citrus	017 0000
	010	138	1	Clay	019 3600
	011	199	1	Collier	021 5345
			051 6	Naples	
			999 9	Balance of county	
	012	000	2	Columbia	023 0000
	013	187	1	Dade	025 5000
			013 5	Coral Gables	
			029 5	Hallandale, part	
			030 3	Hialeah	
			032 6	Homestead	
			047 2	Miami	
			048 4	Miami Beach	
			049 6	Miami Springs	
			055 5	North Miami	
			056 5	North Miami Beach	
			060 6	Opa-locka	
			082 6	South Miami	
			999 9	Balance of county	
	014	000	2	De Soto	027 0000
	015	000	2	Dixie	029 0000
	016	138	1	Duval	031 3600
			033 1	Jacksonville	
			034 6	Jacksonville Beach	
			999 9	Balance of county	
	017	223	1	Escambia	033 6080
			068 4	Pensacola	
			999 9	Balance of county	
	018	000	2	Flagler	035 0000
	019	000	2	Franklin	037 0000
	020	287	1	Gadsden	039 8240
	021	000	2	Gilchrist	041 0000
	022	000	2	Glades	043 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St Cnty	MSA	M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
10				Florida				12	
	023	000	2 999 9			Gulf		045	0000
	024	000	2 999 9			Hamilton		047	0000
	025	000	2 999 9			Hardee		049	0000
	026	000	2 999 9			Hendry		051	0000
	027	288	1 999 9			Hernando		053	8280
	028	000	2 999 9			Highlands		055	0000
	029	288	1			Hillsborough		057	8280
			071 6			Plant City			
			086 2			Tampa			
			088 6			Temple Terrace			
			999 9			Balance of county			
	030	000	2 999 9			Holmes		059	0000
	031	000	2			Indian River		061	0000
			091 6			Vero Beach			
			999 9			Balance of county			
	032	000	2 999 9			Jackson		063	0000
	033	000	2 999 9			Jefferson		065	0000
	034	000	2 999 9			Lafayette		067	0000
	035	000	2			Lake		069	0000
			042 6			Leesburg			
			999 9			Balance of county			
	036	104	1			Lee		071	2700
			007 5			Cape Coral			
			023 5			Fort Myers			
			999 9			Balance of county			
	037	287	1			Leon		073	8240
			084 4			Tallahassee			
			999 9			Balance of county			
	038	000	2 999 9			Levy		075	0000
	039	000	2 999 9			Liberty		077	0000
	040	000	2 999 9			Madison		079	0000
	041	044	1			Manatee		081	1140
			006 5			Bradenton			
			999 9			Balance of county			
	042	211	1			Marion		083	5790
			059 5			Ocala			
			999 9			Balance of county			
	043	105	1 999 9			Martin		085	2710
	044	000	2 999 9			Monroe		087	0000
			035 6			Key West			
			999 9			Balance of county			
	045	138	1 999 9			Nassau		089	3600
	046	107	1 999 9			Okaloosa		091	2750
			025 6			Fort Walton Beach			
			999 9			Balance of county			
	047	000	2 999 9			Okeechobee		093	0000
	048	217	1			Orange		095	5960
			061 3			Orlando			
			095 6			Winter Park			
			999 9			Balance of county			
	049	217	1			Osceola		097	5960
			036 6			Kissimmee			
			999 9			Balance of county			
	050	308	1			Palm Beach		099	8960
			003 6			Belle Glade			
			004 5			Boca Raton			
			005 5			Boynton Beach			
			020 5			Delray Beach			
			038 5			Lake Worth			
			057 6			North Palm Beach			
			065 6			Palm Beach Gardens			
			075 5			Riviera Beach			
			092 4			West Palm Beach			
			999 9			Balance of county			
	051	288	1			Pasco		101	8280
			052 6			New Port Richey			
			999 9			Balance of county			
	052	288	1			Pinellas		103	8280
			009 4			Clearwater			
			021 5			Dunedin			
			027 6			Gulfport			
			039 4			Largo			
			069 5			Pinellas Park			
			078 3			St. Petersburg			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
10				Florida	12
			087 6	Tarpon Springs	
			999 9	Balance of county	
053	159	1		Polk	105 3980
			002 6	Bartow	
			028 6	Haines City	
			037 5	Lakeland	
			094 6	Winter Haven	
			999 9	Balance of county	
054	000	2		Putnam	107 0000
			063 6	Palatka	
			999 9	Balance of county	
055	138	1		St. Johns	109 3600
			077 6	St. Augustine	
			999 9	Balance of county	
056	105	1		St. Lucie	111 2710
			024 5	Fort Pierce	
			074 6	Port St. Lucie	
			999 9	Balance of county	
057	223	1	999 9	Santa Rosa	113 6080
058	267	1		Sarasota	115 7510
			080 5	Sarasota	
			090 6	Venice	
			999 9	Balance of county	
059	217	1		Seminole	117 5960
			001 6	Altamonte Springs	
			008 6	Casselberry	
			044 6	Longwood	
			079 6	Sanford	
			096 6	Winter Springs	
			999 9	Balance of county	
060	000	2	999 9	Sumter	119 0000
061	000	2	999 9	Suwannee	121 0000
062	000	2	999 9	Taylor	123 0000
063	000	2	999 9	Union	125 0000
064	079	1		Volusia	127 2020
			017 4	Daytona Beach	
			019 6	De Land	
			053 6	New Smyrna Beach	
			062 6	Ormond Beach	
			073 6	Port Orange	
			081 6	South Daytona	
			999 9	Balance of county	
065	000	2	999 9	Wakulla	129 0000
066	000	2	999 9	Walton	131 0000
067	000	2	999 9	Washington	133 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St Cnty	MSA	M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
11				Georgia				13	
	001	000	2 999 9				Appling	001	0000
	002	000	2 999 9				Atkinson	003	0000
	003	000	2 999 9				Bacon	005	0000
	004	000	2 999 9				Baker	007	0000
	005	000	2				Baldwin	009	0000
			026 6				Milledgeville		
			999 9				Balance of county		
	006	000	2 999 9				Banks	011	0000
	007	019	1 999 9				Barrow	013	0520
	008	000	2 999 9				Bartow	015	0000
	009	000	2				Ben Hill	017	0000
			018 6				Fitzgerald, part		
			999 9				Balance of county		
	010	000	2 999 9				Berrien	019	0000
	011	178	1				Bibb	021	4680
			024 3				Macon, part		
			999 9				Balance of county		
	012	000	2 999 9				Bleckley	023	0000
	013	000	2 999 9				Brantley	025	0000
	014	000	2 999 9				Brooks	027	0000
	015	000	2 999 9				Bryan	029	0000
	016	000	2				Bulloch	031	0000
			033 6				Statesboro		
			999 9				Balance of county		
	017	000	2 999 9				Burke	033	0000
	018	019	1 999 9				Butts	035	0520
	019	000	2 999 9				Calhoun	037	0000
	020	000	2 999 9				Camden	039	0000
	021	000	2 999 9				Candler	043	0000
	022	000	2				Carroll	045	0000
			008 6				Carrollton		
			999 9				Balance of county		
	023	061	1 999 9				Catoosa	047	1560
	024	000	2 999 9				Charlton	049	0000
	025	268	1				Chatham	051	7520
			031 3				Savannah		
			999 9				Balance of county		
	026	071	1 999 9				Chattahoochee	053	1800
	027	000	2 999 9				Chattooga	055	0000
	028	019	1 999 9				Cherokee	057	0520
	029	018	1				Clarke	059	0500
			003 5				Athens		
			999 9				Balance of county		
	030	000	2 999 9				Clay	061	0000
	031	019	1				Clayton	063	0520
			009 6				College Park, part		
			019 6				Forest Park		
			999 9				Balance of county		
	032	000	2 999 9				Clinch	065	0000
	033	019	1				Cobb	067	0520
			025 5				Marietta		
			032 6				Smyrna		
			999 9				Balance of county		
	034	000	2				Coffee	069	0000
			015 6				Douglas		
			999 9				Balance of county		
	035	000	2				Colquitt	071	0000
			027 6				Moultrie		
			999 9				Balance of county		
	036	021	1 999 9				Columbia	073	0600
	037	000	2 999 9				Cook	075	0000
	038	019	1				Coweta	077	0520
			028 6				Newnan		
			999 9				Balance of county		
	039	000	2 999 9				Crawford	079	0000
	040	000	2				Crisp	081	0000
			011 6				Cordele		
			999 9				Balance of county		
	041	061	1 999 9				Dade	083	1560
	042	000	2 999 9				Dawson	085	0000
	043	000	2				Decatur	087	0000
			006 6				Bainbridge		
			999 9				Balance of county		
	044	019	1				De Kalb	089	0520
			004 2				Atlanta, part		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
11				Georgia	13
			014 6	Decatur	
			999 9	Balance of county	
045	000	2	999 9	Dodge	091 0000
046	000	2	999 9	Dooly	093 0000
047	003	1		Dougherty	095 0120
			001 4	Albany	
			999 9	Balance of county	
048	019	1	999 9	Douglas	097 0520
049	000	2	999 9	Early	099 0000
050	000	2	999 9	Echols	101 0000
051	268	1	999 9	Effingham	103 7520
052	000	2	999 9	Elbert	105 0000
053	000	2	999 9	Emanuel	107 0000
054	000	2	999 9	Evans	109 0000
055	000	2	999 9	Fannin	111 0000
056	019	1	999 9	Fayette	113 0520
057	000	2		Floyd	115 0000
			029 5	Rome	
			999 9	Balance of county	
058	019	1	999 9	Forsyth	117 0520
059	000	2	999 9	Franklin	119 0000
060	019	1		Fulton	121 0520
			004 2	Atlanta, part	
			009 6	College Park, part	
			017 5	East Point	
			030 6	Roswell	
			999 9	Balance of county	
061	000	2	999 9	Gilmer	123 0000
062	000	2	999 9	Glascocock	125 0000
063	000	2		Glynn	127 0000
			007 6	Brunswick	
			999 9	Balance of county	
064	000	2	999 9	Gordon	129 0000
065	000	2	999 9	Grady	131 0000
066	000	2	999 9	Greene	133 0000
067	019	1	999 9	Gwinnett	135 0520
068	000	2	999 9	Habersham	137 0000
069	000	2		Hall	139 0000
			020 6	Gainesville	
			999 9	Balance of county	
070	000	2	999 9	Hancock	141 0000
071	000	2	999 9	Haralson	143 0000
072	000	2	999 9	Harris	145 0000
073	000	2	999 9	Hart	147 0000
074	000	2	999 9	Heard	149 0000
075	019	1	999 9	Henry	151 0520
076	178	1		Houston	153 4680
			038 5	Warner Robins	
			999 9	Balance of county	
077	000	2		Irwin	155 0000
			018 6	Fitzgerald, part	
			999 9	Balance of county	
078	018	1	999 9	Jackson	157 0500
079	000	2	999 9	Jasper	159 0000
080	000	2	999 9	Jeff Davis	161 0000
081	000	2	999 9	Jefferson	163 0000
082	000	2	999 9	Jenkins	165 0000
083	000	2	999 9	Johnson	167 0000
084	178	1		Jones	169 4680
			024 3	Macon, part	
			999 9	Balance of county	
085	000	2	999 9	Lamar	171 0000
086	000	2	999 9	Lanier	173 0000
087	000	2		Laurens	175 0000
			016 6	Dublin	
			999 9	Balance of county	
088	003	1	999 9	Lee	177 0120
089	000	2		Liberty	179 0000
			022 6	Hinesville	
			999 9	Balance of county	
090	000	2	999 9	Lincoln	181 0000
091	000	2	999 9	Long	183 0000
092	000	2		Lowndes	185 0000
			036 5	Valdosta	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
11					Georgia	13	
			999	9	Balance of county		
093	000	2	999	9	Lumpkin	187	0000
094	021	1	999	9	McDuffie	189	0600
095	000	2	999	9	McIntosh	191	0000
096	000	2	999	9	Macon	193	0000
097	018	1	999	9	Madison	195	0500
098	000	2	999	9	Marion	197	0000
099	000	2	999	9	Meriwether	199	0000
100	000	2	999	9	Miller	201	0000
101	000	2	999	9	Mitchell	205	0000
102	000	2	999	9	Monroe	207	0000
103	000	2			Montgomery	209	0000
			037	6	Vidalia, part		
			999	9	Balance of county		
104	000	2	999	9	Morgan	211	0000
105	000	2	999	9	Murray	213	0000
106	071	1			Muscogee	215	1800
			010	3	Columbus		
			999	9	Balance of county		
107	019	1			Newton	217	0520
			012	6	Covington		
			999	9	Balance of county		
108	018	1	999	9	Oconee	219	0500
109	000	2	999	9	Oglethorpe	221	0000
110	019	1	999	9	Paulding	223	0520
111	178	1	999	9	Peach	225	4680
112	000	2	999	9	Pickens	227	0000
113	000	2	999	9	Pierce	229	0000
114	000	2	999	9	Pike	231	0000
115	000	2	999	9	Polk	233	0000
116	000	2	999	9	Pulaski	235	0000
117	000	2	999	9	Putnam	237	0000
118	000	2	999	9	Quitman	239	0000
119	000	2	999	9	Rabun	241	0000
120	000	2	999	9	Randolph	243	0000
121	021	1			Richmond	245	0600
			005	5	Augusta		
			999	9	Balance of county		
122	019	1	999	9	Rockdale	247	0520
123	000	2	999	9	Schley	249	0000
124	000	2	999	9	Screven	251	0000
125	000	2	999	9	Seminole	253	0000
126	019	1			Spalding	255	0520
			021	6	Griffin		
			999	9	Balance of county		
127	000	2	999	9	Stephens	257	0000
128	000	2	999	9	Stewart	259	0000
129	000	2			Sumter	261	0000
			002	6	Americus		
			999	9	Balance of county		
130	000	2	999	9	Talbot	263	0000
131	000	2	999	9	Taliaferro	265	0000
132	000	2	999	9	Tattnall	267	0000
133	000	2	999	9	Taylor	269	0000
134	000	2	999	9	Telfair	271	0000
135	000	2	999	9	Terrell	273	0000
136	000	2			Thomas	275	0000
			034	6	Thomasville		
			999	9	Balance of county		
137	000	2			Tift	277	0000
			035	6	Tifton		
			999	9	Balance of county		
138	000	2			Toombs	279	0000
			037	6	Vidalia, part		
			999	9	Balance of county		
139	000	2	999	9	Towns	281	0000
140	000	2	999	9	Treutlen	283	0000
141	000	2			Troup	285	0000
			023	6	La Grange		
			999	9	Balance of county		
142	000	2	999	9	Turner	287	0000
143	000	2	999	9	Twiggs	289	0000
144	000	2	999	9	Union	291	0000
145	000	2	999	9	Upson	293	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
11					Georgia	13	
	146	061	1	999	9 Walker		295 1560
	147	019	1	999	9 Walton		297 0520
	148	000	2		Ware		299 0000
				039	6 Waycross		
				999	9 Balance of county		
	149	000	2	999	9 Warren		301 0000
	150	000	2	999	9 Washington		303 0000
	151	000	2	999	9 Wayne		305 0000
	152	000	2	999	9 Webster		307 0000
	153	000	2	999	9 Wheeler		309 0000
	154	000	2	999	9 White		311 0000
	155	000	2		Whitfield		313 0000
				013	6 Dalton		
				999	9 Balance of county		
	156	000	2	999	9 Wilcox		315 0000
	157	000	2	999	9 Wilkes		317 0000
	158	000	2	999	9 Wilkinson		319 0000
	159	000	2	999	9 Worth		321 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
12					Hawaii	15	
	001	000	2		Hawaii		001 0000
				003 5	Hilo		
				999 9	Balance of county		
	002	128	1		Honolulu		003 3320
				001 5	Aiea		
				002 6	Ewa Beach		
				004 2	Honolulu		
				006 5	Kailua		
				007 5	Kaneohe		
				008 6	Mililani Town		
				009 6	Mokapu		
				010 5	Pearl City		
				011 6	Schofield Barracks		
				012 6	Wahiawa		
				014 5	Waipahu		
				999 9	Balance of county		
	003	000	2	999 9	Kalawao		005 0000
	004	000	2	999 9	Kauai		007 0000
	005	000	2		Maui		009 0000
				005 6	Kahului		
				013 6	Wailuku		
				999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

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

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes				
St Cnty	MSA	M/NM	City P/S	State,	County,	City, or Country Name	St Cnty	MSA
14				Illinois			17	
	001	000	2		Adams		001	0000
				135	5	Quincy		
				999	9	Balance of county		
	002	000	2		999	Alexander	003	0000
	003	000	2		999	Bond	005	0000
	004	249	1			Boone	007	6880
				010	6	Belvidere		
				999	9	Balance of county		
	005	000	2		999	Brown	009	0000
	006	000	2		999	Bureau	011	0000
	007	000	2		999	Calhoun	013	0000
	008	000	2		999	Carroll	015	0000
	009	000	2		999	Cass	017	0000
	010	056	1			Champaign	019	1400
				030	4	Champaign		
				136	6	Rantoul		
				160	5	Urbana		
				999	9	Balance of county		
	011	000	2			Christian	021	0000
				158	6	Taylorville		
				999	9	Balance of county		
	012	000	2		999	Clark	023	0000
	013	000	2		999	Clay	025	0000
	014	254	1			Clinton	027	7040
				029	6	Centralia, part		
				999	9	Balance of county		
	015	000	2			Coles	029	0000
				031	6	Charleston		
				101	6	Mattoon		
				999	9	Balance of county		
	016	063	1			Cook	031	1600
				002	6	Alsip		
				004	4	Arlington Heights, part		
				006	6	Bartlett, part		
				009	6	Bellwood		
				011	6	Bensenville, part		
				012	5	Berwyn		
				015	6	Blue Island		
				019	6	Bridgeview		
				020	6	Brookfield		
				021	6	Buffalo Grove, part		
				022	5	Burbank		
				024	5	Calumet City		
				032	0	Chicago, part		
				033	5	Chicago Heights		
				034	6	Chicago Ridge		
				035	4	Cicero		
				037	6	Country Club Hills		
				038	6	Crestwood		
				043	6	Deerfield, part		
				045	4	Des Plaines		
				047	6	Dolton		
				054	4	Elgin, part		
				055	5	Elk Grove Village, part		
				057	6	Elmwood Park		
				058	4	Evanston		
				059	6	Evergreen Park		
				061	6	Forest Park		
				062	6	Franklin Park		
				067	5	Glenview		
				068	6	Glenwood		
				070	5	Hanover Park, part		
				072	5	Harvey		
				073	6	Hazel Crest		
				075	6	Hickory Hills		
				077	6	Hinsdale, part		
				078	5	Hoffman Estates		
				079	6	Homewood		
				082	6	Justice		
				085	6	La Grange		
				086	6	La Grange Park		
				088	5	Lansing		
				092	6	Lincolnwood		
				099	6	Markham		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data  
 Vital Statistics Codes FIPS Codes  
 St Cnty MSA M/NM City P/S State, County, City, or Country Name St Cnty MSA

14				Illinois	17
			100	6 Matteson	
			102	5 Maywood	
			103	6 Melrose Park	
			104	6 Midlothian	
			108	6 Morton Grove	
			109	4 Mount Prospect	
			113	5 Niles	
			115	6 Norridge	
			116	5 Northbrook	
			118	6 Northlake	
			119	5 Oak Forest	
			120	4 Oak Lawn	
			121	4 Oak Park	
			123	6 Orland Park	
			125	5 Palatine	
			126	6 Palos Heights	
			127	6 Palos Hills	
			128	5 Park Forest, part	
			129	5 Park Ridge	
			134	6 Prospect Heights	
			137	6 Riverdale	
			138	6 River Forest	
			139	6 River Grove	
			143	6 Rolling Meadows	
			145	6 Roselle, part	
			148	6 Sauk Village	
			149	4 Schaumburg, part	
			150	6 Schiller Park	
			151	4 Skokie	
			152	6 South Holland	
			155	6 Streamwood	
			157	6 Summit	
			159	5 Tinley Park, part	
			164	6 Westchester	
			166	6 Western Springs	
			169	6 Wheeling, part	
			170	5 Wilmette	
			171	6 Winnetka	
			176	6 Worth	
			999	9 Balance of county	
017	000	2	999	9 Crawford	033 0000
018	000	2	999	9 Cumberland	035 0000
019	000	2		De Kalb	037 0000
			044	5 De Kalb	
			999	9 Balance of county	
020	000	2	999	9 De Witt	039 0000
021	000	2	999	9 Douglas	041 0000
022	063	1		Du Page	043 1600
			001	5 Addison	
			005	4 Aurora, part	
			006	6 Bartlett, part	
			007	6 Batavia, part	
			011	6 Bensenville, part	
			013	6 Bloomingdale	
			016	5 Bolingbrook, part	
			027	6 Carol Stream	
			032	0 Chicago, part	
			041	6 Darien	
			048	5 Downers Grove	
			055	5 Elk Grove Village, part	
			056	5 Elmhurst	
			065	6 Glendale Heights	
			066	6 Glen Ellyn	
			070	5 Hanover Park, part	
			077	6 Hinsdale, part	
			093	6 Lisle	
			094	5 Lombard	
			112	5 Naperville, part	
			145	6 Roselle, part	
			147	6 St. Charles, part	
			149	4 Schaumburg, part	
			161	6 Villa Park	
			165	6 West Chicago	
			167	6 Westmont	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA	
14				Illinois	17		
			168 5	Wheaton			
			172 6	Wood Dale			
			173 6	Woodridge			
			999 9	Balance of county			
023	000	2	999 9	Edgar	045	0000	
024	000	2	999 9	Edwards	047	0000	
025	000	2		Effingham	049	0000	
			053 6	Effingham			
			999 9	Balance of county			
026	000	2	999 9	Fayette	051	0000	
027	000	2	999 9	Ford	053	0000	
028	000	2	999 9	Franklin	055	0000	
029	000	2		Fulton	057	0000	
			025 6	Canton			
			999 9	Balance of county			
030	000	2	999 9	Gallatin	059	0000	
031	000	2	999 9	Greene	061	0000	
032	145	1	999 9	Grundy	063	3690	
033	000	2	999 9	Hamilton	065	0000	
034	000	2	999 9	Hancock	067	0000	
035	000	2	999 9	Hardin	069	0000	
036	000	2	999 9	Henderson	071	0000	
037	077	1		Henry	073	1960	
			084 6	Kewanee			
			999 9	Balance of county			
038	000	2	999 9	Iroquois	075	0000	
039	000	2		Jackson	077	0000	
			026 5	Carbondale			
			999 9	Balance of county			
040	000	2	999 9	Jasper	079	0000	
041	000	2		Jefferson	081	0000	
			110 6	Mount Vernon			
			999 9	Balance of county			
042	254	1	999 9	Jersey	083	7040	
043	000	2	999 9	Jo Daviess	085	0000	
044	000	2	999 9	Johnson	087	0000	
045	022	1		Kane	089	0620	
			005 4	Aurora, part			
			007 6	Batavia, part			
			028 6	Carpentersville			
			054 4	Elgin, part			
			147 6	St. Charles, part			
			999 9	Balance of county			
046	148	1		Kankakee	091	3740	
			017 6	Bourbonnais			
			018 6	Bradley			
			083 5	Kankakee			
			999 9	Balance of county			
047	022	1	999 9	Kendall	093	0620	
048	000	2		Knox	095	0000	
			064 5	Galesburg			
			999 9	Balance of county			
049	158	1		Lake	097	3965	
			004 4	Arlington Heights, part			
			021 6	Buffalo Grove, part			
			043 6	Deerfield, part			
			076 5	Highland Park			
			087 6	Lake Forest			
			090 6	Libertyville			
			111 6	Mundelein			
			117 5	North Chicago			
			146 6	Round Lake Beach			
			163 4	Waukegan			
			169 6	Wheeling, part			
			177 6	Zion			
			999 9	Balance of county			
050	000	2		La Salle	099	0000	
			089 6	La Salle			
			124 6	Ottawa			
			132 6	Peru			
			156 6	Streator, part			
			999 9	Balance of county			
051	000	2	999 9	Lawrence	101	0000	
052	000	2		Lee	103	0000	
			046 6	Dixon			

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Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
14				Illinois	17
			999 9	Balance of county	
053	000	2		Livingston	105 0000
			133 6	Pontiac	
			156 6	Streator, part	
			999 9	Balance of county	
054	000	2		Logan	107 0000
			091 6	Lincoln	
			999 9	Balance of county	
055	000	2		McDonough	109 0000
			097 6	Macomb	
			999 9	Balance of county	
056	063	1		McHenry	111 1600
			039 6	Crystal Lake	
			096 6	McHenry	
			175 6	Woodstock	
			999 9	Balance of county	
057	040	1		McLean	113 1040
			014 5	Bloomington	
			114 5	Normal	
			999 9	Balance of county	
058	081	1		Macon	115 2040
			042 4	Decatur	
			999 9	Balance of county	
059	000	2	999 9	Macoupin	117 0000
060	254	1		Madison	119 7040
			003 5	Alton	
			036 6	Collinsville, part	
			052 6	Edwardsville	
			069 5	Granite City	
			174 6	Wood River	
			999 9	Balance of county	
061	000	2		Marion	121 0000
			029 6	Centralia, part	
			999 9	Balance of county	
062	000	2	999 9	Marshall	123 0000
063	000	2	999 9	Mason	125 0000
064	000	2	999 9	Massac	127 0000
065	279	1	999 9	Menard	129 7880
066	000	2	999 9	Mercer	131 0000
067	254	1	999 9	Monroe	133 7040
068	000	2	999 9	Montgomery	135 0000
069	000	2		Morgan	137 0000
			080 6	Jacksonville	
			999 9	Balance of county	
070	000	2	999 9	Moultrie	139 0000
071	000	2	999 9	Ogle	141 0000
072	224	1		Peoria	143 6120
			130 5	Pekin, part	
			131 3	Peoria	
			999 9	Balance of county	
073	000	2	999 9	Perry	145 0000
074	000	2	999 9	Piatt	147 0000
075	000	2	999 9	Pike	149 0000
076	000	2	999 9	Pope	151 0000
077	000	2	999 9	Pulaski	153 0000
078	000	2	999 9	Putnam	155 0000
079	000	2	999 9	Randolph	157 0000
080	000	2	999 9	Richland	159 0000
081	077	1		Rock Island	161 1960
			049 6	East Moline	
			105 5	Moline	
			142 5	Rock Island	
			999 9	Balance of county	
082	254	1		St. Clair	163 7040
			008 5	Belleville	
			023 6	Cahokia	
			036 6	Collinsville, part	
			051 4	East St. Louis	
			060 6	Fairview Heights	
			122 6	O'Fallon	
			999 9	Balance of county	
083	000	2		Saline	165 0000
			071 6	Harrisburg	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
14					Illinois	17	
	084	279	1		Sangamon	167	7880
			153	3	Springfield		
			999	9	Balance of county		
	085	000	2	999	Schuyler	169	0000
	086	000	2	999	Scott	171	0000
	087	000	2	999	Shelby	173	0000
	088	000	2	999	Stark	175	0000
	089	000	2		Stephenson	177	0000
			063	5	Freeport		
			999	9	Balance of county		
	090	224	1		Tazewell	179	6120
			050	6	East Peoria		
			107	6	Morton		
			130	5	Pekin, part		
			162	6	Washington		
			999	9	Balance of county		
	091	000	2	999	Union	181	0000
	092	000	2		Vermilion	183	0000
			040	5	Danville		
			999	9	Balance of county		
	093	000	2	999	Wabash	185	0000
	094	000	2		Warren	187	0000
			106	6	Monmouth		
			999	9	Balance of county		
	095	000	2	999	Washington	189	0000
	096	000	2	999	Wayne	191	0000
	097	000	2	999	White	193	0000
	098	000	2		Whiteside	195	0000
			140	6	Rock Falls		
			154	6	Sterling		
			999	9	Balance of county		
	099	145	1		Will	197	3690
			016	5	Bolingbrook, part		
			081	4	Joliet		
			112	5	Naperville, part		
			128	5	Park Forest, part		
			144	6	Romeoville		
			159	5	Tinley Park, part		
			999	9	Balance of county		
	100	000	2		Williamson	199	0000
			074	6	Herrin		
			098	6	Marion		
			999	9	Balance of county		
	101	249	1		Winnebago	201	6880
			095	6	Loves Park		
			141	3	Rockford		
			999	9	Balance of county		
	102	224	1	999	Woodford	203	6120

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes							
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name					St Cnty	MSA	
15					Indiana					18		
	001	000	2	999	9	Adams					001	0000
	002	108	1			Allen					003	2760
				015	3	Fort Wayne						
				999	9	Balance of county						
	003	000	2			Bartholomew					005	0000
				007	5	Columbus						
				999	9	Balance of county						
	004	000	2	999	9	Benton					007	0000
	005	000	2	999	9	Blackford					009	0000
	006	133	1			Boone					011	3480
				034	6	Lebanon						
				999	9	Balance of county						
	007	000	2	999	9	Brown					013	0000
	008	000	2	999	9	Carroll					015	0000
	009	000	2			Cass					017	0000
				035	6	Logansport						
				999	9	Balance of county						
	010	175	1			Clark					019	4520
				006	6	Clarksville						
				028	6	Jeffersonville						
				999	9	Balance of county						
	011	289	1	999	9	Clay					021	8320
	012	000	2			Clinton					023	0000
				016	6	Frankfort						
				999	9	Balance of county						
	013	000	2	999	9	Crawford					025	0000
	014	000	2			Daviess					027	0000
				060	6	Washington						
				999	9	Balance of county						
	015	065	1	999	9	Dearborn					029	1640
	016	000	2	999	9	Decatur					031	0000
	017	108	1	999	9	De Kalb					033	2760
	018	197	1			Delaware					035	5280
				042	4	Muncie						
				999	9	Balance of county						
	019	000	2	999	9	Dubois					037	0000
	020	090	1			Elkhart					039	2330
				012	5	Elkhart						
				019	6	Goshen						
				999	9	Balance of county						
	021	000	2			Fayette					041	0000
				008	6	Connersville						
				999	9	Balance of county						
	022	175	1			Floyd					043	4520
				044	5	New Albany						
				999	9	Balance of county						
	023	000	2	999	9	Fountain					045	0000
	024	000	2	999	9	Franklin					047	0000
	025	000	2	999	9	Fulton					049	0000
	026	000	2	999	9	Gibson					051	0000
	027	000	2			Grant					053	0000
				037	5	Marion						
				999	9	Balance of county						
	028	000	2	999	9	Greene					055	0000
	029	133	1			Hamilton					057	3480
				005	6	Carmel						
				046	6	Noblesville						
				999	9	Balance of county						
	030	133	1			Hancock					059	3480
				020	6	Greenfield						
				999	9	Balance of county						
	031	175	1	999	9	Harrison					061	4520
	032	133	1	999	9	Hendricks					063	3480
	033	000	2			Henry					065	0000
				045	6	New Castle						
				999	9	Balance of county						
	034	153	1			Howard					067	3850
				029	5	Kokomo						
				999	9	Balance of county						
	035	000	2			Huntington					069	0000
				026	6	Huntington						
				999	9	Balance of county						
	036	000	2			Jackson					071	0000
				051	6	Seymour						

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
15				Indiana	18
			999 9	Balance of county	
	037	000	2 999 9	Jasper	073 0000
	038	000	2 999 9	Jay	075 0000
	039	000	2	Jefferson	077 0000
			036 6	Madison	
			999 9	Balance of county	
	040	000	2 999 9	Jennings	079 0000
	041	133	1	Johnson	081 3480
			017 6	Franklin	
			021 6	Greenwood	
			999 9	Balance of county	
	042	000	2	Knox	083 0000
			057 6	Vincennes	
			999 9	Balance of county	
	043	000	2	Kosciusko	085 0000
			059 6	Warsaw	
			999 9	Balance of county	
	044	000	2 999 9	Lagrange	087 0000
	045	114	1	Lake	089 2960
			010 6	Crown Point	
			011 5	East Chicago	
			018 3	Gary	
			022 6	Griffith	
			023 4	Hammond	
			024 5	Highland	
			025 6	Hobart	
			031 6	Lake Station	
			039 5	Merrillville	
			043 6	Munster	
			050 6	Schererville	
			999 9	Balance of county	
	046	000	2	La Porte	091 0000
			032 6	La Porte	
			040 5	Michigan City	
			999 9	Balance of county	
	047	000	2	Lawrence	093 0000
			002 6	Bedford	
			999 9	Balance of county	
	048	012	1	Madison	095 0400
			001 4	Anderson	
			013 6	Elwood, part	
			999 9	Balance of county	
	049	133	1	Marion	097 3480
			003 6	Beech Grove	
			027 1	Indianapolis	
			033 5	Lawrence	
			054 6	Speedway	
			999 9	Balance of county	
	050	000	2 999 9	Marshall	099 0000
	051	000	2 999 9	Martin	101 0000
	052	000	2	Miami	103 0000
			047 6	Peru	
			999 9	Balance of county	
	053	039	1	Monroe	105 1020
			004 4	Bloomington	
			999 9	Balance of county	
	054	000	2	Montgomery	107 0000
			009 6	Crawfordsville	
			999 9	Balance of county	
	055	133	1	Morgan	109 3480
			038 6	Martinsville	
			999 9	Balance of county	
	056	000	2 999 9	Newton	111 0000
	057	000	2 999 9	Noble	113 0000
	058	000	2 999 9	Ohio	115 0000
	059	000	2 999 9	Orange	117 0000
	060	000	2 999 9	Owen	119 0000
	061	000	2 999 9	Parke	121 0000
	062	000	2 999 9	Perry	123 0000
	063	000	2 999 9	Pike	125 0000
	064	114	1	Porter	127 2960
			048 5	Portage	
			056 6	Valparaiso	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
15					Indiana	18	
	065	095	1	999 9	Posey	129	2440
	066	000	2	999 9	Pulaski	131	0000
	067	000	2	999 9	Putnam	133	0000
	068	000	2	999 9	Randolph	135	0000
	069	000	2	999 9	Ripley	137	0000
	070	000	2	999 9	Rush	139	0000
	071	277	1		St. Joseph	141	7800
				041 5	Mishawaka		
				053 3	South Bend		
				999 9	Balance of county		
	072	000	2	999 9	Scott	143	0000
	073	133	1		Shelby	145	3480
				052 6	Shelbyville		
				999 9	Balance of county		
	074	000	2	999 9	Spencer	147	0000
	075	000	2	999 9	Starke	149	0000
	076	000	2	999 9	Steuben	151	0000
	077	000	2	999 9	Sullivan	153	0000
	078	000	2	999 9	Switzerland	155	0000
	079	156	1		Tippecanoe	157	3920
				030 5	Lafayette		
				061 6	West Lafayette		
				999 9	Balance of county		
	080	153	1		Tipton	159	3850
				013 6	Elwood, part		
				999 9	Balance of county		
	081	000	2	999 9	Union	161	0000
	082	095	1		Vanderburgh	163	2440
				014 3	Evansville		
				999 9	Balance of county		
	083	000	2	999 9	Vermillion	165	0000
	084	289	1		Vigo	167	8320
				055 4	Terre Haute		
				999 9	Balance of county		
	085	000	2		Wabash	169	0000
				058 6	Wabash		
				999 9	Balance of county		
	086	000	2	999 9	Warren	171	0000
	087	095	1	999 9	Warrick	173	2440
	088	000	2	999 9	Washington	175	0000
	089	000	2		Wayne	177	0000
				049 5	Richmond		
				999 9	Balance of county		
	090	000	2	999 9	Wells	179	0000
	091	000	2	999 9	White	181	0000
	092	108	1	999 9	Whitley	183	2760

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
16				Iowa	19	
001	000	2	999 9	Adair	001	0000
002	000	2	999 9	Adams	003	0000
003	000	2	999 9	Allamakee	005	0000
004	000	2	999 9	Appanoose	007	0000
005	000	2	999 9	Audubon	009	0000
006	000	2	999 9	Benton	011	0000
007	306	1		Black Hawk	013	8920
			006 5	Cedar Falls		
			028 4	Waterloo		
			999 9	Balance of county		
008	000	2		Boone	015	0000
			004 6	Boone		
			999 9	Balance of county		
009	306	1	999 9	Bremer	017	8920
010	000	2	999 9	Buchanan	019	0000
011	000	2	999 9	Buena Vista	021	0000
012	000	2	999 9	Butler	023	0000
013	000	2	999 9	Calhoun	025	0000
014	000	2	999 9	Carroll	027	0000
015	000	2	999 9	Cass	029	0000
016	000	2	999 9	Cedar	031	0000
017	000	2		Cerro Gordo	033	0000
			020 5	Mason City		
			999 9	Balance of county		
018	000	2	999 9	Cherokee	035	0000
019	000	2	999 9	Chickasaw	037	0000
020	000	2	999 9	Clarke	039	0000
021	000	2		Clay	041	0000
			026 6	Spencer		
			999 9	Balance of county		
022	000	2	999 9	Clayton	043	0000
023	000	2		Clinton	045	0000
			008 5	Clinton		
			999 9	Balance of county		
024	000	2	999 9	Crawford	047	0000
025	083	1	999 9	Dallas	049	2120
026	000	2	999 9	Davis	051	0000
027	000	2	999 9	Decatur	053	0000
028	000	2	999 9	Delaware	055	0000
029	000	2		Des Moines	057	0000
			005 5	Burlington		
			999 9	Balance of county		
030	000	2	999 9	Dickinson	059	0000
031	086	1		Dubuque	061	2200
			012 4	Dubuque		
			999 9	Balance of county		
032	000	2	999 9	Emmet	063	0000
033	000	2	999 9	Fayette	065	0000
034	000	2	999 9	Floyd	067	0000
035	000	2	999 9	Franklin	069	0000
036	000	2	999 9	Fremont	071	0000
037	000	2	999 9	Greene	073	0000
038	000	2	999 9	Grundy	075	0000
039	000	2	999 9	Guthrie	077	0000
040	000	2	999 9	Hamilton	079	0000
041	000	2	999 9	Hancock	081	0000
042	000	2	999 9	Hardin	083	0000
043	000	2	999 9	Harrison	085	0000
044	000	2	999 9	Henry	087	0000
045	000	2	999 9	Howard	089	0000
046	000	2	999 9	Humboldt	091	0000
047	000	2	999 9	Ida	093	0000
048	000	2	999 9	Iowa	095	0000
049	000	2	999 9	Jackson	097	0000
050	000	2		Jasper	099	0000
			022 6	Newton		
			999 9	Balance of county		
051	000	2	999 9	Jefferson	101	0000
052	134	1		Johnson	103	3500
			016 4	Iowa City		
			999 9	Balance of county		
053	000	2	999 9	Jones	105	0000
054	000	2	999 9	Keokuk	107	0000
055	000	2	999 9	Kossuth	109	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name			FIPS Codes		
St Cnty	MSA	M/NM	City P/S				St Cnty	MSA	
16				Iowa				19	
	056	000	2		Lee			111	0000
				014	6	Fort Madison			
				017	6	Keokuk			
				999	9	Balance of county			
	057	055	1		Linn			113	1360
				007	3	Cedar Rapids			
				018	6	Marion			
				999	9	Balance of county			
	058	000	2	999	9	Louisa	115	0000	
	059	000	2	999	9	Lucas	117	0000	
	060	000	2	999	9	Lyon	119	0000	
	061	000	2	999	9	Madison	121	0000	
	062	000	2		Mahaska			123	0000
				023	6	Oskaloosa			
				999	9	Balance of county			
	063	000	2	999	9	Marion	125	0000	
	064	000	2		Marshall			127	0000
				019	5	Marshalltown			
				999	9	Balance of county			
	065	000	2	999	9	Mills	129	0000	
	066	000	2	999	9	Mitchell	131	0000	
	067	000	2	999	9	Monona	133	0000	
	068	000	2	999	9	Monroe	135	0000	
	069	000	2	999	9	Montgomery	137	0000	
	070	000	2		Muscatine			139	0000
				021	6	Muscatine			
				999	9	Balance of county			
	071	000	2	999	9	O'Brien	141	0000	
	072	000	2	999	9	Osceola	143	0000	
	073	000	2	999	9	Page	145	0000	
	074	000	2	999	9	Palo Alto	147	0000	
	075	000	2	999	9	Plymouth	149	0000	
	076	000	2	999	9	Pocahontas	151	0000	
	077	083	1		Polk			153	2120
				002	6	Ankeny			
				011	3	Des Moines			
				027	6	Urbandale			
				029	6	West Des Moines			
				999	9	Balance of county			
	078	215	1		Pottawattamie			155	5920
				009	4	Council Bluffs			
				999	9	Balance of county			
	079	000	2	999	9	Poweshiek	157	0000	
	080	000	2	999	9	Ringgold	159	0000	
	081	000	2	999	9	Sac	161	0000	
	082	077	1		Scott			163	1960
				003	5	Bettendorf			
				010	3	Davenport			
				999	9	Balance of county			
	083	000	2	999	9	Shelby	165	0000	
	084	000	2	999	9	Sioux	167	0000	
	085	000	2		Story			169	0000
				001	5	Ames			
				999	9	Balance of county			
	086	000	2	999	9	Tama	171	0000	
	087	000	2	999	9	Taylor	173	0000	
	088	000	2	999	9	Union	175	0000	
	089	000	2	999	9	Van Buren	177	0000	
	090	000	2		Wapello			179	0000
				024	5	Ottumwa			
				999	9	Balance of county			
	091	083	1		Warren			181	2120
				015	6	Indianola			
				999	9	Balance of county			
	092	000	2	999	9	Washington	183	0000	
	093	000	2	999	9	Wayne	185	0000	
	094	000	2		Webster			187	0000
				013	5	Fort Dodge			
				999	9	Balance of county			
	095	000	2	999	9	Winnebago	189	0000	
	096	000	2	999	9	Winneshiek	191	0000	
	097	275	1		Woodbury			193	7720
				025	4	Sioux City			
				999	9	Balance of county			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
16					Iowa	19	
	098	000	2	999 9	Worth		195 0000
	099	000	2	999 9	Wright		197 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
Kansas							
17		001	000	2	999	9 Allen	20 001 0000
		002	000	2	999	9 Anderson	003 0000
		003	000	2		Atchison	005 0000
					002	6 Atchison	
					999	9 Balance of county	
		004	000	2	999	9 Barber	007 0000
		005	000	2		Barton	009 0000
					009	6 Great Bend	
					999	9 Balance of county	
		006	000	2	999	9 Bourbon	011 0000
		007	000	2	999	9 Brown	013 0000
		008	310	1		Butler	015 9040
					006	6 El Dorado	
					999	9 Balance of county	
		009	000	2	999	9 Chase	017 0000
		010	000	2	999	9 Chautauqua	019 0000
		011	000	2	999	9 Cherokee	021 0000
		012	000	2	999	9 Cheyenne	023 0000
		013	000	2	999	9 Clark	025 0000
		014	000	2	999	9 Clay	027 0000
		015	000	2	999	9 Cloud	029 0000
		016	000	2	999	9 Coffey	031 0000
		017	000	2	999	9 Comanche	033 0000
		018	000	2		Cowley	035 0000
					001	6 Arkansas City	
					034	6 Winfield	
					999	9 Balance of county	
		019	000	2		Crawford	037 0000
					028	6 Pittsburg	
					999	9 Balance of county	
		020	000	2	999	9 Decatur	039 0000
		021	000	2	999	9 Dickinson	041 0000
		022	000	2	999	9 Doniphan	043 0000
		023	165	1		Douglas	045 4150
					015	4 Lawrence	
					999	9 Balance of county	
		024	000	2	999	9 Edwards	047 0000
		025	000	2	999	9 Elk	049 0000
		026	000	2		Ellis	051 0000
					010	6 Hays	
					999	9 Balance of county	
		027	000	2	999	9 Ellsworth	053 0000
		028	000	2		Finney	055 0000
					008	6 Garden City	
					999	9 Balance of county	
		029	000	2		Ford	057 0000
					005	6 Dodge City	
					999	9 Balance of county	
		030	000	2		Franklin	059 0000
					025	6 Ottawa	
					999	9 Balance of county	
		031	000	2		Geary	061 0000
					013	6 Junction City	
					999	9 Balance of county	
		032	000	2	999	9 Gove	063 0000
		033	000	2	999	9 Graham	065 0000
		034	000	2	999	9 Grant	067 0000
		035	000	2	999	9 Gray	069 0000
		036	000	2	999	9 Greeley	071 0000
		037	000	2	999	9 Greenwood	073 0000
		038	000	2	999	9 Hamilton	075 0000
		039	000	2	999	9 Harper	077 0000
		040	310	1		Harvey	079 9040
					023	6 Newton	
					999	9 Balance of county	
		041	000	2	999	9 Haskell	081 0000
		042	000	2	999	9 Hodgeman	083 0000
		043	000	2	999	9 Jackson	085 0000
		044	000	2	999	9 Jefferson	087 0000
		045	000	2	999	9 Jewell	089 0000
		046	149	1		Johnson	091 3760
					017	6 Leawood	
					018	6 Lenexa	
					022	6 Merriam	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes	
Vital Statistics Codes					St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
17				Kansas	20	
			024 5	Olathe		
			026 4	Overland Park		
			029 6	Prairie Village		
			031 5	Shawnee		
			999 9	Balance of county		
047	000	2	999 9	Kearny	093	0000
048	000	2	999 9	Kingman	095	0000
049	000	2	999 9	Kiowa	097	0000
050	000	2		Labette	099	0000
			027 6	Parsons		
			999 9	Balance of county		
051	000	2	999 9	Lane	101	0000
052	149	1		Leavenworth	103	3760
			016 5	Leavenworth		
			999 9	Balance of county		
053	000	2	999 9	Lincoln	105	0000
054	000	2	999 9	Linn	107	0000
055	000	2	999 9	Logan	109	0000
056	000	2		Lyon	111	0000
			007 5	Emporia		
			999 9	Balance of county		
057	000	2		McPherson	113	0000
			020 6	McPherson		
			999 9	Balance of county		
058	000	2	999 9	Marion	115	0000
059	000	2	999 9	Marshall	117	0000
060	000	2	999 9	Meade	119	0000
061	149	1	999 9	Miami	121	3760
062	000	2	999 9	Mitchell	123	0000
063	000	2		Montgomery	125	0000
			004 6	Coffeyville		
			012 6	Independence		
			999 9	Balance of county		
064	000	2	999 9	Morris	127	0000
065	000	2	999 9	Morton	129	0000
066	000	2	999 9	Nemaha	131	0000
067	000	2		Neosho	133	0000
			003 6	Chanute		
			999 9	Balance of county		
068	000	2	999 9	Ness	135	0000
069	000	2	999 9	Norton	137	0000
070	000	2	999 9	Osage	139	0000
071	000	2	999 9	Osborne	141	0000
072	000	2	999 9	Ottawa	143	0000
073	000	2	999 9	Pawnee	145	0000
074	000	2	999 9	Phillips	147	0000
075	000	2		Pottawatomie	149	0000
			021 5	Manhattan, part		
			999 9	Balance of county		
076	000	2	999 9	Pratt	151	0000
077	000	2	999 9	Rawlins	153	0000
078	000	2		Reno	155	0000
			011 5	Hutchinson		
			999 9	Balance of county		
079	000	2	999 9	Republic	157	0000
080	000	2	999 9	Rice	159	0000
081	000	2		Riley	161	0000
			021 5	Manhattan, part		
			999 9	Balance of county		
082	000	2	999 9	Rooks	163	0000
083	000	2	999 9	Rush	165	0000
084	000	2	999 9	Russell	167	0000
085	000	2		Saline	169	0000
			030 5	Salina		
			999 9	Balance of county		
086	000	2	999 9	Scott	171	0000
087	310	1		Sedgwick	173	9040
			033 2	Wichita		
			999 9	Balance of county		
088	000	2		Seward	175	0000
			019 6	Liberal		
			999 9	Balance of county		
089	292	1		Shawnee	177	8440
			032 3	Topeka		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
17				Kansas	20
			999 9	Balance of county	
	090	000	2 999 9	Sheridan	179 0000
	091	000	2 999 9	Sherman	181 0000
	092	000	2 999 9	Smith	183 0000
	093	000	2 999 9	Stafford	185 0000
	094	000	2 999 9	Stanton	187 0000
	095	000	2 999 9	Stevens	189 0000
	096	000	2 999 9	Sumner	191 0000
	097	000	2 999 9	Thomas	193 0000
	098	000	2 999 9	Trego	195 0000
	099	000	2 999 9	Wabaunsee	197 0000
	100	000	2 999 9	Wallace	199 0000
	101	000	2 999 9	Washington	201 0000
	102	000	2 999 9	Wichita	203 0000
	103	000	2 999 9	Wilson	205 0000
	104	000	2 999 9	Woodson	207 0000
	105	149	1	Wyandotte	209 3760
			014 3	Kansas City	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes		
Vital Statistics Codes					St Cnty MSA		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
18					Kentucky	21	
	001	000	2	999 9	Adair	001	0000
	002	000	2	999 9	Allen	003	0000
	003	000	2	999 9	Anderson	005	0000
	004	000	2	999 9	Ballard	007	0000
	005	000	2		Barren	009	0000
				011 6	Glasgow		
				999 9	Balance of county		
	006	000	2	999 9	Bath	011	0000
	007	000	2		Bell	013	0000
				019 6	Middlesborough		
				999 9	Balance of county		
	008	065	1		Boone	015	1640
				007 6	Florence		
				999 9	Balance of county		
	009	168	1	999 9	Bourbon	017	4280
	010	131	1		Boyd	019	3400
				001 5	Ashland		
				999 9	Balance of county		
	011	000	2		Boyle	021	0000
				004 6	Danville		
				999 9	Balance of county		
	012	000	2	999 9	Bracken	023	0000
	013	000	2	999 9	Breathitt	025	0000
	014	000	2	999 9	Breckinridge	027	0000
	015	175	1	999 9	Bullitt	029	4520
	016	000	2	999 9	Butler	031	0000
	017	000	2	999 9	Caldwell	033	0000
	018	000	2		Calloway	035	0000
				020 6	Murray		
				999 9	Balance of county		
	019	065	1		Campbell	037	1640
				008 6	Fort Thomas		
				021 6	Newport		
				999 9	Balance of county		
	020	000	2	999 9	Carlisle	039	0000
	021	000	2	999 9	Carroll	041	0000
	022	131	1	999 9	Carter	043	3400
	023	000	2	999 9	Casey	045	0000
	024	066	1		Christian	047	1660
				013 5	Hopkinsville		
				999 9	Balance of county		
	025	168	1		Clark	049	4280
				030 6	Winchester		
				999 9	Balance of county		
	026	000	2	999 9	Clay	051	0000
	027	000	2	999 9	Clinton	053	0000
	028	000	2	999 9	Crittenden	055	0000
	029	000	2	999 9	Cumberland	057	0000
	030	218	1		Daviess	059	5990
				023 4	Owensboro		
				999 9	Balance of county		
	031	000	2	999 9	Edmonson	061	0000
	032	000	2	999 9	Elliott	063	0000
	033	000	2	999 9	Estill	065	0000
	034	168	1	015 3	Fayette, coext. with Lexington-Fayette	067	4280
	035	000	2	999 9	Fleming	069	0000
	036	000	2	999 9	Floyd	071	0000
	037	000	2		Franklin	073	0000
				009 5	Frankfort		
				999 9	Balance of county		
	038	000	2	999 9	Fulton	075	0000
	039	000	2	999 9	Gallatin	077	0000
	040	000	2	999 9	Garrard	079	0000
	041	000	2	999 9	Grant	081	0000
	042	000	2		Graves	083	0000
				018 6	Mayfield		
				999 9	Balance of county		
	043	000	2	999 9	Grayson	085	0000
	044	000	2	999 9	Green	087	0000
	045	131	1	999 9	Greenup	089	3400
	046	000	2	999 9	Hancock	091	0000
	047	000	2		Hardin	093	0000
				005 6	Elizabethtown		
				025 6	Radcliff		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data					FIPS Codes	
Vital Statistics Codes					MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
18				Kentucky	21	
			999 9	Balance of county		
048	000	2	999 9	Harlan	095	0000
049	000	2	999 9	Harrison	097	0000
050	000	2	999 9	Hart	099	0000
051	095	1		Henderson	101	2440
			012 6	Henderson		
			999 9	Balance of county		
052	000	2	999 9	Henry	103	0000
053	000	2	999 9	Hickman	105	0000
054	000	2		Hopkins	107	0000
			017 6	Madisonville		
			999 9	Balance of county		
055	000	2	999 9	Jackson	109	0000
056	175	1		Jefferson	111	4520
			014 6	Jeffersontown		
			016 2	Louisville		
			027 6	St. Matthews		
			028 6	Shively		
			999 9	Balance of county		
057	168	1		Jessamine	113	4280
			022 6	Nicholasville		
			999 9	Balance of county		
058	000	2	999 9	Johnson	115	0000
059	065	1		Kenton	117	1640
			003 5	Covington		
			006 6	Erlanger		
			999 9	Balance of county		
060	000	2	999 9	Knott	119	0000
061	000	2	999 9	Knox	121	0000
062	000	2	999 9	Larue	123	0000
063	000	2	999 9	Laurel	125	0000
064	000	2	999 9	Lawrence	127	0000
065	000	2	999 9	Lee	129	0000
066	000	2	999 9	Leslie	131	0000
067	000	2	999 9	Letcher	133	0000
068	000	2	999 9	Lewis	135	0000
069	000	2	999 9	Lincoln	137	0000
070	000	2	999 9	Livingston	139	0000
071	000	2	999 9	Logan	141	0000
072	000	2	999 9	Lyon	143	0000
073	000	2		McCracken	145	0000
			024 5	Paducah		
			999 9	Balance of county		
074	000	2	999 9	McCreary	147	0000
075	000	2	999 9	McLean	149	0000
076	000	2		Madison	151	0000
			026 6	Richmond		
			999 9	Balance of county		
077	000	2	999 9	Magoffin	153	0000
078	000	2	999 9	Marion	155	0000
079	000	2	999 9	Marshall	157	0000
080	000	2	999 9	Martin	159	0000
081	000	2	999 9	Mason	161	0000
082	000	2	999 9	Meade	163	0000
083	000	2	999 9	Menifee	165	0000
084	000	2	999 9	Mercer	167	0000
085	000	2	999 9	Metcalfe	169	0000
086	000	2	999 9	Monroe	171	0000
087	000	2	999 9	Montgomery	173	0000
088	000	2	999 9	Morgan	175	0000
089	000	2	999 9	Muhlenberg	177	0000
090	000	2	999 9	Nelson	179	0000
091	000	2	999 9	Nicholas	181	0000
092	000	2	999 9	Ohio	183	0000
093	175	1	999 9	Oldham	185	4520
094	000	2	999 9	Owen	187	0000
095	000	2	999 9	Owsley	189	0000
096	000	2	999 9	Pendleton	191	0000
097	000	2	999 9	Perry	193	0000
098	000	2	999 9	Pike	195	0000
099	000	2	999 9	Powell	197	0000
100	000	2		Pulaski	199	0000
			029 6	Somerset		
			999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
18					Kentucky	21	
	101	000	2	999 9	Robertson	201	0000
	102	000	2	999 9	Rockcastle	203	0000
	103	000	2	999 9	Rowan	205	0000
	104	000	2	999 9	Russell	207	0000
	105	168	1		Scott	209	4280
				010 6	Georgetown		
				999 9	Balance of county		
	106	175	1	999 9	Shelby	211	4520
	107	000	2	999 9	Simpson	213	0000
	108	000	2	999 9	Spencer	215	0000
	109	000	2	999 9	Taylor	217	0000
	110	000	2	999 9	Todd	219	0000
	111	000	2	999 9	Trigg	221	0000
	112	000	2	999 9	Trimble	223	0000
	113	000	2	999 9	Union	225	0000
	114	000	2		Warren	227	0000
				002 5	Bowling Green		
				999 9	Balance of county		
	115	000	2	999 9	Washington	229	0000
	116	000	2	999 9	Wayne	231	0000
	117	000	2	999 9	Webster	233	0000
	118	000	2	999 9	Whitley	235	0000
	119	000	2	999 9	Wolfe	237	0000
	120	168	1	999 9	Woodford	239	4280

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data				FIPS Codes	
Vital Statistics Codes				St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
19				Louisiana	22
	001	000	2	Acadia	001 0000
			008 6	Crowley	
			010 6	Eunice, part	
			999 9	Balance of parish	
	002	000	2	Allen	003 0000
	003	027	1	Ascension	005 0760
	004	000	2	Assumption	007 0000
	005	000	2	Avoyelles	009 0000
	006	000	2	Beauregard	011 0000
			009 6	De Ridder, part	
			999 9	Balance of parish	
	007	000	2	Bienville	013 0000
	008	274	1	Bossier	015 7680
			007 5	Bossier City	
			028 3	Shreveport, part	
			999 9	Balance of parish	
	009	274	1	Caddo	017 7680
			028 3	Shreveport, part	
			999 9	Balance of parish	
	010	157	1	Calcasieu	019 3960
			018 4	Lake Charles	
			030 6	Sulphur	
			999 9	Balance of parish	
	011	000	2	Caldwell	021 0000
	012	000	2	Cameron	023 0000
	013	000	2	Catahoula	025 0000
	014	000	2	Claiborne	027 0000
	015	000	2	Concordia	029 0000
	016	000	2	De Soto	031 0000
	017	027	1	East Baton Rouge	033 0760
			003 6	Baker	
			005 3	Baton Rouge	
			999 9	Balance of parish	
	018	000	2	East Carroll	035 0000
	019	000	2	East Feliciana	037 0000
	020	000	2	Evangeline	039 0000
	021	000	2	Franklin	041 0000
	022	000	2	Grant	043 0000
	023	000	2	Iberia	045 0000
			023 5	New Iberia	
			999 9	Balance of parish	
	024	000	2	Iberville	047 0000
	025	000	2	Jackson	049 0000
	026	205	1	Jefferson	051 5560
			011 6	Gretna	
			013 6	Harahan	
			016 4	Kenner	
			034 6	Westwego	
			999 9	Balance of parish	
	027	000	2	Jefferson Davis	053 0000
			015 6	Jennings	
			999 9	Balance of parish	
	028	155	1	Lafayette	055 3880
			017 4	Lafayette	
			999 9	Balance of parish	
	029	129	1	Lafourche	057 3350
			032 6	Thibodaux	
			999 9	Balance of parish	
	030	000	2	La Salle	059 0000
	031	000	2	Lincoln	061 0000
			027 6	Ruston	
			999 9	Balance of parish	
	032	027	1	Livingston	063 0760
	033	000	2	Madison	065 0000
			031 6	Tallulah	
			999 9	Balance of parish	
	034	000	2	Morehouse	067 0000
			004 6	Bastrop	
			999 9	Balance of parish	
	035	000	2	Natchitoches	069 0000
			022 6	Natchitoches	
			999 9	Balance of parish	
	036	205	1	Orleans, coext. with New Orleans city	071 5560
	037	195	1	Ouachita	073 5200
			020 4	Monroe	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
19				Louisiana	22
			033 6	West Monroe	
			999 9	Balance of parish	
038	000	2	999 9	Plaquemines	075 0000
039	000	2	999 9	Pointe Coupee	077 0000
040	006	1		Rapides	079 0220
			002 4	Alexandria	
			026 6	Pineville	
			999 9	Balance of parish	
041	000	2	999 9	Red River	081 0000
042	000	2	999 9	Richland	083 0000
043	000	2	999 9	Sabine	085 0000
044	205	1	999 9	St. Bernard	087 5560
045	205	1	999 9	St. Charles	089 5560
046	000	2	999 9	St. Helena	091 0000
047	000	2	999 9	St. James	093 0000
048	205	1	999 9	St. John the Baptist	095 5560
049	000	2		St. Landry	097 0000
			010 6	Eunice, part	
			025 6	Opelousas	
			999 9	Balance of parish	
050	155	1	999 9	St. Martin	099 3880
051	000	2		St. Mary	101 0000
			021 6	Morgan City	
			999 9	Balance of parish	
052	205	1		St. Tammany	103 5560
			029 5	Slidell	
			999 9	Balance of parish	
053	000	2		Tangipahoa	105 0000
			012 6	Hammond	
			999 9	Balance of parish	
054	000	2	999 9	Tensas	107 0000
055	129	1		Terrebonne	109 3350
			014 5	Houma	
			999 9	Balance of parish	
056	000	2	999 9	Union	111 0000
057	000	2		Vermilion	113 0000
			001 6	Abbeville	
			999 9	Balance of parish	
058	000	2		Vernon	115 0000
			009 6	De Ridder, part	
			999 9	Balance of parish	
059	000	2		Washington	117 0000
			006 6	Bogalusa	
			999 9	Balance of parish	
060	000	2		Webster	119 0000
			019 6	Minden	
			999 9	Balance of parish	
061	027	1	999 9	West Baton Rouge	121 0760
062	000	2	999 9	West Carroll	123 0000
063	000	2	999 9	West Feliciana	125 0000
064	000	2	999 9	Winn	127 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes		
Vital Statistics Codes						St	Cnty	MSA
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name		
20							23	
						Maine		
	001	167	1			Androscoggin	001	4243
				001	6	Auburn		
				006	5	Lewiston		
				999	9	Balance of county		
	002	000	2			Aroostook	003	0000
				008	6	Presque Isle		
				999	9	Balance of county		
	003	230	1			Cumberland	005	6403
				007	4	Portland		
				010	6	South Portland		
				012	6	Westbrook		
				999	9	Balance of county		
	004	000	2			Franklin	007	0000
	005	000	2			Hancock	009	0000
	006	000	2			Kennebec	011	0000
				002	6	Augusta		
				011	6	Waterville		
				999	9	Balance of county		
	007	000	2			Knox	013	0000
	008	000	2			Lincoln	015	0000
	009	000	2			Oxford	017	0000
	010	026	1			Penobscot	019	0733
				003	5	Bangor		
				999	9	Balance of county		
	011	000	2			Piscataquis	021	0000
	012	000	2			Sagadahoc	023	0000
				004	6	Bath		
				999	9	Balance of county		
	013	000	2			Somerset	025	0000
	014	000	2			Waldo	027	0000
	015	000	2			Washington	029	0000
	016	000	2			York	031	0000
				005	6	Biddeford		
				009	6	Saco		
				999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
21				Maryland	24
001	074	1		Allegany	001 1900
			007 5	Cumberland	
			999 9	Balance of county	
002	025	1		Anne Arundel	003 0720
			002 5	Annapolis	
			999 9	Balance of county	
003	025	1	999 9	Baltimore	005 0720
004	025	1	003 1	Baltimore city	510 0720
005	305	1	999 9	Calvert	009 8840
006	000	2	999 9	Caroline	011 0000
007	025	1	999 9	Carroll	013 0720
008	313	1	999 9	Cecil	015 9160
009	305	1	999 9	Charles	017 8840
010	000	2		Dorchester	019 0000
			005 6	Cambridge	
			999 9	Balance of county	
011	305	1		Frederick	021 8840
			008 5	Frederick	
			999 9	Balance of county	
012	000	2	999 9	Garrett	023 0000
013	025	1		Harford	025 0720
			001 6	Aberdeen	
			999 9	Balance of county	
014	025	1	999 9	Howard	027 0720
015	000	2	999 9	Kent	029 0000
016	305	1		Montgomery	031 8840
			009 5	Gaithersburg	
			015 5	Rockville	
			017 6	Takoma Park, part	
			999 9	Balance of county	
017	305	1		Prince George's	033 8840
			004 5	Bowie	
			006 6	College Park	
			010 6	Greenbelt	
			012 6	Hyattsville	
			013 6	Laurel	
			014 6	New Carrollton	
			017 6	Takoma Park, part	
			999 9	Balance of county	
018	025	1	999 9	Queen Anne's	035 0720
019	000	2	999 9	St. Mary's	037 0000
020	000	2	999 9	Somerset	039 0000
021	000	2	999 9	Talbot	041 0000
022	123	1		Washington	043 3180
			011 5	Hagerstown	
			999 9	Balance of county	
023	000	2		Wicomico	045 0000
			016 6	Salisbury	
			999 9	Balance of county	
024	000	2	999 9	Worcester	047 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes		
Vital Statistics Codes					St Cnty MSA		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
22					Massachusetts	25	
001	000	2			Barnstable	001	0000
			008	5	Barnstable town		
			999	9	Balance of county		
002	229	1			Berkshire	003	6323
			057	6	North Adams		
			062	4	Pittsfield		
			999	9	Balance of county		
003	202	1			Bristol	005	5403
			007	5	Attleboro		
			027	6	Fairhaven town		
			028	4	Fall River		
			054	4	New Bedford		
			059	6	North Attleborough town		
			073	6	Somerset town		
			079	5	Taunton		
			999	9	Balance of county		
004	000	2			Dukes	007	0000
005	042	1			Essex	009	1123
			003	6	Amesbury town		
			005	6	Andover town		
			010	5	Beverly		
			022	6	Danvers town		
			032	5	Gloucester		
			033	5	Haverhill		
			037	4	Lawrence		
			042	4	Lynn		
			043	6	Lynnfield town		
			045	6	Marblehead town		
			049	5	Methuen town		
			055	6	Newburyport		
			061	5	Peabody		
			069	5	Salem		
			070	6	Saugus town		
			078	6	Swampscott town		
			999	9	Balance of county		
006	000	2			Franklin	011	0000
007	281	1			Hampden	013	8003
			002	5	Agawam town		
			020	4	Chicopee		
			035	5	Holyoke		
			040	6	Longmeadow town		
			075	3	Springfield		
			086	5	Westfield		
			087	5	West Springfield town		
			999	9	Balance of county		
008	281	1			Hampshire	015	8003
			004	5	Amherst town		
			025	6	Easthampton town		
			058	5	Northampton		
			999	9	Balance of county		
009	042	1			Middlesex	017	1123
			006	5	Arlington town		
			009	5	Belmont town		
			011	5	Billerica town		
			016	6	Burlington town		
			017	4	Cambridge		
			018	5	Chelmsford town		
			024	6	Dracut town		
			026	5	Everett		
			030	4	Framingham town		
			036	6	Hudson town		
			039	5	Lexington town		
			041	4	Lowell		
			044	4	Malden		
			046	5	Marlborough		
			047	4	Medford		
			048	5	Melrose		
			052	5	Natick town		
			056	4	Newton		
			066	6	Reading town		
			074	4	Somerville		
			076	6	Stoneham town		
			080	6	Tewksbury town		
			081	6	Wakefield town		

22					Massachusetts	25		
				082	4	Waltham		
				083	5	Watertown town		
				091	6	Wilmington town		
				092	6	Winchester town		
				094	5	Woburn		
				999	9	Balance of county		
010	000	2		999	9	Nantucket	019	0000
011	042	1				Norfolk	021	1123
				013	5	Braintree town		
				015	4	Brookline town		
				023	5	Dedham town		
				034	6	Holbrook town		
				051	5	Milton town		
				053	5	Needham town		
				060	5	Norwood town		
				064	4	Quincy		
				065	5	Randolph town		
				077	5	Stoughton town		
				085	5	Wellesley town		
				088	6	Westwood town		
				089	4	Weymouth town		
				999	9	Balance of county		
012	042	1				Plymouth	023	1123
				001	6	Abington town		
				014	4	Brockton		
				063	5	Plymouth town		
				068	6	Rockland town		
				071	6	Scituate town		
				090	6	Whitman town		
				999	9	Balance of county		
013	042	1				Suffolk	025	1123
				012	1	Boston		
				019	5	Chelsea		
				067	5	Revere		
				093	6	Winthrop town		
014	315	1				Worcester	027	9243
				021	6	Clinton town		
				029	5	Fitchburg		
				031	6	Gardner		
				038	5	Leominster		
				050	6	Milford town		
				072	6	Shrewsbury town		
				084	6	Webster town		
				095	3	Worcester		
				999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
23					Michigan	26	
	001	000	2	999 9	Alcona	001	0000
	002	000	2	999 9	Alger	003	0000
	003	000	2		Allegan	005	0000
				049 5	Holland, part		
				999 9	Balance of county		
	004	000	2		Alpena	007	0000
				004 6	Alpena		
				999 9	Balance of county		
	005	000	2	999 9	Antrim	009	0000
	006	000	2	999 9	Arenac	011	0000
	007	000	2	999 9	Baraga	013	0000
	008	000	2	999 9	Barry	015	0000
	009	251	1		Bay	017	6960
				007 6	Bangor township		
				009 5	Bay City		
				063 5	Midland, part		
				999 9	Balance of county		
	010	000	2	999 9	Benzie	019	0000
	011	032	1		Berrien	021	0870
				010 6	Benton Harbor		
				070 6	Niles		
				999 9	Balance of county		
	012	000	2	999 9	Branch	023	0000
	013	028	1		Calhoun	025	0780
				002 6	Albion		
				008 5	Battle Creek		
				999 9	Balance of county		
	014	000	2	999 9	Cass	027	0000
	015	000	2	999 9	Charlevoix	029	0000
	016	000	2	999 9	Cheboygan	031	0000
	017	000	2		Chippewa	033	0000
				088 6	Sault Ste. Marie		
				999 9	Balance of county		
	018	000	2	999 9	Clare	035	0000
	019	161	1		Clinton	037	4040
				055 3	Lansing, part		
				999 9	Balance of county		
	020	000	2	999 9	Crawford	039	0000
	021	000	2		Delta	041	0000
				028 6	Escanaba		
				999 9	Balance of county		
	022	000	2	999 9	Dickinson	043	0000
	023	161	1		Eaton	045	4040
				055 3	Lansing, part		
				999 9	Balance of county		
	024	000	2	999 9	Emmet	047	0000
	025	099	1		Genesee	049	2640
				016 5	Burton		
				032 3	Flint		
				033 5	Flint township		
				036 5	Genesee township		
				066 5	Mount Morris township		
				999 9	Balance of county		
	026	000	2	999 9	Gladwin	051	0000
	027	000	2	999 9	Gogebic	053	0000
	028	000	2		Grand Traverse	055	0000
				094 6	Traverse City		
				999 9	Balance of county		
	029	000	2	999 9	Gratiot	057	0000
	030	000	2	999 9	Hillsdale	059	0000
	031	000	2	999 9	Houghton	061	0000
	032	000	2	999 9	Huron	063	0000
	033	161	1		Ingham	065	4040
				026 5	East Lansing		
				055 3	Lansing, part		
				062 5	Meridian township		
				999 9	Balance of county		
	034	000	2	999 9	Ionia	067	0000
	035	000	2	999 9	Iosco	069	0000
	036	000	2	999 9	Iron	071	0000
	037	000	2		Isabella	073	0000
				067 6	Mount Pleasant		
				999 9	Balance of county		
	038	135	1		Jackson	075	3520
				051 5	Jackson		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
23					Michigan	26	
			999	9	Balance of county		
039	147	1			Kalamazoo	077	3720
			052	4	Kalamazoo		
			053	6	Kalamazoo township		
			077	5	Portage		
			999	9	Balance of county		
040	000	2	999	9	Kalkaska	079	0000
041	117	1			Kent	081	3000
			025	6	East Grand Rapids		
			039	3	Grand Rapids		
			040	6	Grandville		
			054	5	Kentwood		
			097	6	Walker		
			104	4	Wyoming		
			999	9	Balance of county		
042	000	2	999	9	Keweenaw	083	0000
043	000	2	999	9	Lake	085	0000
044	084	1	999	9	Lapeer	087	2160
045	000	2	999	9	Leelanau	089	0000
046	000	2			Lenawee	091	0000
			001	6	Adrian		
			999	9	Balance of county		
047	084	1	999	9	Livingston	093	2160
048	000	2	999	9	Luce	095	0000
049	000	2	999	9	Mackinac	097	0000
050	084	1			Macomb	099	2160
			020	4	Clinton township		
			024	5	East Detroit		
			034	6	Fraser		
			046	6	Harrison township		
			065	6	Mount Clemens		
			083	4	Roseville		
			087	4	St. Clair Shores		
			089	5	Shelby township		
			092	3	Sterling Heights		
			098	3	Warren		
			999	9	Balance of county		
051	000	2	999	9	Manistee	101	0000
052	000	2			Marquette	103	0000
			059	6	Marquette		
			999	9	Balance of county		
053	000	2	999	9	Mason	105	0000
054	000	2			Mecosta	107	0000
			013	6	Big Rapids		
			999	9	Balance of county		
055	000	2			Menominee	109	0000
			061	6	Menominee		
			999	9	Balance of county		
056	251	1			Midland	111	6960
			063	5	Midland, part		
			999	9	Balance of county		
057	000	2	999	9	Missaukee	113	0000
058	084	1			Monroe	115	2160
			064	6	Monroe		
			999	9	Balance of county		
059	000	2	999	9	Montcalm	117	0000
060	000	2	999	9	Montmorency	119	0000
061	198	1			Muskegon	121	5320
			068	5	Muskegon		
			069	6	Muskegon Heights		
			071	6	Norton Shores		
			999	9	Balance of county		
062	000	2	999	9	Newaygo	123	0000
063	084	1			Oakland	125	2160
			006	5	Avon township		
			011	6	Berkley		
			012	6	Beverly Hills		
			014	6	Birmingham		
			015	5	Bloomfield township		
			019	6	Clawson		
			029	6	Farmington		
			030	4	Farmington Hills		
			031	5	Ferndale		
			047	6	Hazel Park		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
23				Michigan	26
			058 5	Madison Heights	
			072 6	Novi	
			073 5	Oak Park	
			076 4	Pontiac	
			084 4	Royal Oak	
			090 4	Southfield	
			096 4	Troy	
			100 5	West Bloomfield township	
			999 9	Balance of county	
064	000	2	999 9	Oceana	127 0000
065	000	2	999 9	Ogemaw	129 0000
066	000	2	999 9	Ontonagon	131 0000
067	000	2	999 9	Osceola	133 0000
068	000	2	999 9	Oscoda	135 0000
069	000	2	999 9	Otsego	137 0000
070	117	1		Ottawa	139 3000
			037 5	Georgetown township	
			038 6	Grand Haven	
			049 5	Holland, part	
			999 9	Balance of county	
071	000	2	999 9	Presque Isle	141 0000
072	000	2	999 9	Roscommon	143 0000
073	251	1		Saginaw	145 6960
			085 4	Saginaw	
			086 5	Saginaw township	
			999 9	Balance of county	
074	084	1		St. Clair	147 2160
			078 5	Port Huron	
			999 9	Balance of county	
075	000	2	999 9	St. Joseph	149 0000
076	000	2	999 9	Sanilac	151 0000
077	000	2	999 9	Schoolcraft	153 0000
078	000	2		Shiawassee	155 0000
			074 6	Owosso	
			999 9	Balance of county	
079	000	2	999 9	Tuscola	157 0000
080	000	2	999 9	Van Buren	159 0000
081	014	1		Washtenaw	161 0440
			005 3	Ann Arbor	
			105 6	Ypsilanti	
			106 5	Ypsilanti township	
			999 9	Balance of county	
082	084	1		Wayne	163 2160
			003 5	Allen Park	
			018 5	Canton township	
			021 4	Dearborn	
			022 4	Dearborn Heights	
			023 0	Detroit	
			027 6	Ecorse	
			035 5	Garden City	
			041 6	Grosse Pointe Farms	
			042 6	Grosse Pointe Park	
			043 6	Grosse Pointe Woods	
			044 6	Hamtramck	
			045 6	Harper Woods	
			048 5	Highland Park	
			050 5	Inkster	
			056 5	Lincoln Park	
			057 3	Livonia	
			060 6	Melvindale	
			075 6	Plymouth township	
			079 4	Redford township	
			080 6	River Rouge	
			081 6	Riverview	
			082 6	Romulus	
			091 5	Southgate	
			093 4	Taylor	
			095 6	Trenton	
			099 6	Wayne	
			101 4	Westland	
			102 6	Woodhaven	
			103 5	Wyandotte	
			999 9	Balance of county	
083	000	2		Wexford	165 0000
			017 6	Cadillac	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA

23

999 9 Michigan  
Balance of county

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MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
24					Minnesota	27
	001	000	2	999 9	Aitkin	001 0000
	002	191	1		Anoka	003 5120
			002	6	Anoka	
			006	5	Blaine, part	
			013	6	Columbia Heights	
			014	5	Coon Rapids	
			024	5	Fridley	
			047	6	Ramsey	
			999	9	Balance of county	
	003	000	2	999 9	Becker	005 0000
	004	000	2		Beltrami	007 0000
			005	6	Bemidji	
			999	9	Balance of county	
	005	252	1		Benton	009 6980
			053	5	St. Cloud, part	
			999	9	Balance of county	
	006	000	2	999 9	Big Stone	011 0000
	007	000	2		Blue Earth	013 0000
			031	5	Mankato, part	
			999	9	Balance of county	
	008	000	2		Brown	015 0000
			041	6	New Ulm	
			999	9	Balance of county	
	009	000	2		Carlton	017 0000
			012	6	Cloquet	
			999	9	Balance of county	
	010	191	1	999 9	Carver	019 5120
	011	000	2	999 9	Cass	021 0000
	012	000	2	999 9	Chippewa	023 0000
	013	191	1	999 9	Chisago	025 5120
	014	096	1		Clay	027 2520
			037	5	Moorhead	
			999	9	Balance of county	
	015	000	2	999 9	Clearwater	029 0000
	016	000	2	999 9	Cook	031 0000
	017	000	2	999 9	Cottonwood	033 0000
	018	000	2		Crow Wing	035 0000
			008	6	Brainerd	
			999	9	Balance of county	
	019	191	1		Dakota	037 5120
			003	6	Apple Valley	
			011	5	Burnsville	
			018	6	Eagan	
			026	6	Hastings, part	
			029	6	Inver Grove Heights	
			030	6	Lakeville	
			042	6	Northfield, part	
			057	6	South St. Paul	
			060	6	West St. Paul	
			999	9	Balance of county	
	020	000	2	999 9	Dodge	039 0000
	021	000	2	999 9	Douglas	041 0000
	022	000	2	999 9	Faribault	043 0000
	023	000	2	999 9	Fillmore	045 0000
	024	000	2		Freeborn	047 0000
			001	6	Albert Lea	
			999	9	Balance of county	
	025	000	2		Goodhue	049 0000
			048	6	Red Wing	
			999	9	Balance of county	
	026	000	2	999 9	Grant	051 0000
	027	191	1		Hennepin	053 5120
			007	4	Bloomington	
			009	5	Brooklyn Center	
			010	5	Brooklyn Park	
			016	5	Crystal	
			019	6	Eden Prairie	
			020	5	Edina	
			025	6	Golden Valley	
			028	6	Hopkins	
			032	6	Maple Grove	
			035	2	Minneapolis	
			036	5	Minnetonka	
			040	6	New Hope	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
24						Minnesota	27		
				046	5	Plymouth			
				049	5	Richfield			
				050	6	Robbinsdale			
				054	5	St. Louis Park			
				999	9	Balance of county			
028	000	2		999	9	Houston	055	0000	
029	000	2		999	9	Hubbard	057	0000	
030	191	1		999	9	Isanti	059	5120	
031	000	2		999	9	Itasca	061	0000	
032	000	2		999	9	Jackson	063	0000	
033	000	2		999	9	Kanabec	065	0000	
034	000	2				Kandiyohi	067	0000	
				062	6	Willmar			
				999	9	Balance of county			
035	000	2		999	9	Kittson	069	0000	
036	000	2		999	9	Koochiching	071	0000	
037	000	2		999	9	Lac qui Parle	073	0000	
038	000	2		999	9	Lake	075	0000	
039	000	2		999	9	Lake of the Woods	077	0000	
040	000	2		999	9	Le Sueur	079	0000	
041	000	2		999	9	Lincoln	081	0000	
042	000	2				Lyon	083	0000	
				034	6	Marshall			
				999	9	Balance of county			
043	000	2		999	9	McLeod	085	0000	
044	000	2		999	9	Mahnomen	087	0000	
045	000	2		999	9	Marshall	089	0000	
046	000	2				Martin	091	0000	
				021	6	Fairmont			
				999	9	Balance of county			
047	000	2		999	9	Meeker	093	0000	
048	000	2		999	9	Mille Lacs	095	0000	
049	000	2		999	9	Morrison	097	0000	
050	000	2				Mower	099	0000	
				004	6	Austin			
				999	9	Balance of county			
051	000	2		999	9	Murray	101	0000	
052	000	2				Nicollet	103	0000	
				031	5	Mankato, part			
				999	9	Balance of county			
053	000	2				Nobles	105	0000	
				065	6	Worthington			
				999	9	Balance of county			
054	000	2		999	9	Norman	107	0000	
055	247	1				Olmsted	109	6820	
				051	4	Rochester			
				999	9	Balance of county			
056	000	2				Otter Tail	111	0000	
				023	6	Fergus Falls			
				999	9	Balance of county			
057	000	2		999	9	Pennington	113	0000	
058	000	2		999	9	Pine	115	0000	
059	000	2		999	9	Pipestone	117	0000	
060	000	2		999	9	Polk	119	0000	
061	000	2		999	9	Pope	121	0000	
062	191	1				Ramsey	123	5120	
				006	5	Blaine, part			
				033	5	Maplewood			
				038	6	Mounds View			
				039	6	New Brighton			
				043	6	North St. Paul			
				052	5	Roseville			
				055	2	St. Paul			
				056	6	Shoreview			
				061	6	White Bear Lake, part			
				999	9	Balance of county			
063	000	2		999	9	Red Lake	125	0000	
064	000	2		999	9	Redwood	127	0000	
065	000	2		999	9	Renville	129	0000	
066	000	2				Rice	131	0000	
				022	6	Faribault			
				042	6	Northfield, part			
				999	9	Balance of county			
067	000	2		999	9	Rock	133	0000	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
24					Minnesota	27
	068	000	2	999	9 Roseau	135 0000
	069	087	1		St. Louis	137 2240
			017	4	Duluth	
			027	6	Hibbing	
			059	6	Virginia	
			999	9	Balance of county	
	070	191	1	999	9 Scott	139 5120
	071	252	1		Sherburne	141 6980
			053	5	St. Cloud, part	
			999	9	Balance of county	
	072	000	2	999	9 Sibley	143 0000
	073	252	1		Stearns	145 6980
			053	5	St. Cloud, part	
			999	9	Balance of county	
	074	000	2		Steele	147 0000
			045	6	Owatonna	
			999	9	Balance of county	
	075	000	2	999	9 Stevens	149 0000
	076	000	2	999	9 Swift	151 0000
	077	000	2	999	9 Todd	153 0000
	078	000	2	999	9 Traverse	155 0000
	079	000	2	999	9 Wabasha	157 0000
	080	000	2	999	9 Wadena	159 0000
	081	000	2	999	9 Waseca	161 0000
	082	191	1		Washington	163 5120
			015	6	Cottage Grove	
			026	6	Hastings, part	
			044	6	Oakdale	
			058	6	Stillwater	
			061	6	White Bear Lake, part	
			064	6	Woodbury	
			999	9	Balance of county	
	083	000	2	999	9 Watonwan	165 0000
	084	000	2	999	9 Wilkin	167 0000
	085	000	2		Winona	169 0000
			063	5	Winona	
			999	9	Balance of county	
	086	191	1	999	9 Wright	171 5120
	087	000	2	999	9 Yellow Medicine	173 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						Page 56	
Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
25					Mississippi	28	
	001	000	2		Adams	001	0000
				019 6	Natchez		
				999 9	Balance of county		
	002	000	2		Alcorn	003	0000
				008 6	Corinth		
				999 9	Balance of county		
	003	000	2		Amite	005	0000
	004	000	2		Attala	007	0000
	005	000	2		Benton	009	0000
	006	000	2		Bolivar	011	0000
				005 6	Cleveland		
				999 9	Balance of county		
	007	000	2		Calhoun	013	0000
	008	000	2		Carroll	015	0000
	009	000	2		Chickasaw	017	0000
	010	000	2		Choctaw	019	0000
	011	000	2		Claiborne	021	0000
	012	000	2		Clarke	023	0000
	013	000	2		Clay	025	0000
	014	000	2		Coahoma	027	0000
				004 6	Clarksdale		
				999 9	Balance of county		
	015	000	2		Copiah	029	0000
	016	000	2		Covington	031	0000
	017	185	1		De Soto	033	4920
	018	000	2		Forrest	035	0000
				013 5	Hattiesburg, part		
				999 9	Balance of county		
	019	000	2		Franklin	037	0000
	020	000	2		George	039	0000
	021	000	2		Greene	041	0000
	022	000	2		Grenada	043	0000
				011 6	Grenada		
				999 9	Balance of county		
	023	035	1		Hancock	045	0920
	024	035	1		Harrison	047	0920
				001 5	Biloxi		
				012 5	Gulfport		
				999 9	Balance of county		
	025	136	1		Hinds	049	3560
				006 6	Clinton		
				014 3	Jackson, part		
				999 9	Balance of county		
	026	000	2		Holmes	051	0000
	027	000	2		Humphreys	053	0000
	028	000	2		Issaquena	055	0000
	029	000	2		Itawamba	057	0000
	030	222	1		Jackson	059	6025
				018 6	Moss Point		
				020 6	Ocean Springs		
				021 5	Pascagoula		
				999 9	Balance of county		
	031	000	2		Jasper	061	0000
	032	000	2		Jefferson	063	0000
	033	000	2		Jefferson Davis	065	0000
	034	000	2		Jones	067	0000
				015 6	Laurel		
				999 9	Balance of county		
	035	000	2		Kemper	069	0000
	036	000	2		Lafayette	071	0000
	037	000	2		Lamar	073	0000
				013 5	Hattiesburg, part		
				999 9	Balance of county		
	038	000	2		Lauderdale	075	0000
				017 5	Meridian		
				999 9	Balance of county		
	039	000	2		Lawrence	077	0000
	040	000	2		Leake	079	0000
	041	000	2		Lee	081	0000
				025 6	Tupelo		
				999 9	Balance of county		
	042	000	2		Leflore	083	0000
				010 6	Greenwood		
				999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
25					Mississippi	28	
	043	000	2		Lincoln		085 0000
				002 6	Brookhaven		
				999 9	Balance of county		
	044	000	2		Lowndes		087 0000
				007 5	Columbus		
				999 9	Balance of county		
	045	136	1		Madison		089 3560
				003 6	Canton		
				999 9	Balance of county		
	046	000	2	999 9	Marion		091 0000
	047	000	2	999 9	Marshall		093 0000
	048	000	2	999 9	Monroe		095 0000
	049	000	2	999 9	Montgomery		097 0000
	050	000	2	999 9	Neshoba		099 0000
	051	000	2	999 9	Newton		101 0000
	052	000	2	999 9	Noxubee		103 0000
	053	000	2		Oktibbeha		105 0000
				024 6	Starkville		
				999 9	Balance of county		
	054	000	2	999 9	Panola		107 0000
	055	000	2		Pearl River		109 0000
				023 6	Picayune		
				999 9	Balance of county		
	056	000	2	999 9	Perry		111 0000
	057	000	2		Pike		113 0000
				016 6	McComb		
				999 9	Balance of county		
	058	000	2	999 9	Pontotoc		115 0000
	059	000	2	999 9	Prentiss		117 0000
	060	000	2	999 9	Quitman		119 0000
	061	136	1		Rankin		121 3560
				014 3	Jackson, part		
				022 6	Pearl		
				999 9	Balance of county		
	062	000	2	999 9	Scott		123 0000
	063	000	2	999 9	Sharkey		125 0000
	064	000	2	999 9	Simpson		127 0000
	065	000	2	999 9	Smith		129 0000
	066	000	2	999 9	Stone		131 0000
	067	000	2	999 9	Sunflower		133 0000
	068	000	2	999 9	Tallahatchie		135 0000
	069	000	2	999 9	Tate		137 0000
	070	000	2	999 9	Tippah		139 0000
	071	000	2	999 9	Tishomingo		141 0000
	072	000	2	999 9	Tunica		143 0000
	073	000	2	999 9	Union		145 0000
	074	000	2	999 9	Walthall		147 0000
	075	000	2		Warren		149 0000
				026 5	Vicksburg		
				999 9	Balance of county		
	076	000	2		Washington		151 0000
				009 5	Greenville		
				999 9	Balance of county		
	077	000	2	999 9	Wayne		153 0000
	078	000	2	999 9	Webster		155 0000
	079	000	2	999 9	Wilkinson		157 0000
	080	000	2	999 9	Winston		159 0000
	081	000	2	999 9	Yalobusha		161 0000
	082	000	2		Yazoo		163 0000
				027 6	Yazoo City		
				999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
26				Missouri	29
	001	000	2	Adair	001 0000
			028 6	Kirksville	
			999 9	Balance of county	
	002	000	2	Andrew	003 0000
	003	000	2	Atchison	005 0000
	004	000	2	Audrain	007 0000
			034 6	Mexico	
			999 9	Balance of county	
	005	000	2	Barry	009 0000
	006	000	2	Barton	011 0000
	007	000	2	Bates	013 0000
	008	000	2	Benton	015 0000
	009	000	2	Bollinger	017 0000
	010	069	1	Boone	019 1740
			011 4	Columbia	
			999 9	Balance of county	
	011	253	1	Buchanan	021 7000
			043 4	St. Joseph	
			999 9	Balance of county	
	012	000	2	Butler	023 0000
			037 6	Poplar Bluff	
			999 9	Balance of county	
	013	000	2	Caldwell	025 0000
	014	000	2	Callaway	027 0000
			017 6	Fulton	
			023 5	Jefferson City, part	
			999 9	Balance of county	
	015	000	2	Camden	029 0000
	016	000	2	Cape Girardeau	031 0000
			008 5	Cape Girardeau	
			999 9	Balance of county	
	017	000	2	Carroll	033 0000
	018	000	2	Carter	035 0000
	019	149	1	Cass	037 3760
			004 6	Belton	
			030 5	Lee's Summit, part	
			999 9	Balance of county	
	020	000	2	Cedar	039 0000
	021	000	2	Chariton	041 0000
	022	280	1	Christian	043 7920
	023	000	2	Clark	045 0000
	024	149	1	Clay	047 3760
			014 6	Excelsior Springs, part	
			018 6	Gladstone	
			022 3	Independence, part	
			026 2	Kansas City, part	
			031 6	Liberty	
			999 9	Balance of county	
	025	000	2	Clinton	049 0000
	026	000	2	Cole	051 0000
			023 5	Jefferson City, part	
			999 9	Balance of county	
	027	000	2	Cooper	053 0000
	028	000	2	Crawford	055 0000
	029	000	2	Dade	057 0000
	030	000	2	Dallas	059 0000
	031	000	2	Daviess	061 0000
	032	000	2	De Kalb	063 0000
	033	000	2	Dent	065 0000
	034	000	2	Douglas	067 0000
	035	000	2	Dunklin	069 0000
			027 6	Kennett	
			999 9	Balance of county	
	036	254	1	Franklin	071 7040
	037	000	2	Gasconade	073 0000
	038	000	2	Gentry	075 0000
	039	280	1	Greene	077 7920
			048 3	Springfield	
			999 9	Balance of county	
	040	000	2	Grundy	079 0000
	041	000	2	Harrison	081 0000
	042	000	2	Henry	083 0000
	043	000	2	Hickory	085 0000
	044	000	2	Holt	087 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data				Vital Statistics Codes		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
26					Missouri	29	
	045	000	2	999	9 Howard	089	0000
	046	000	2	999	9 Howell	091	0000
	047	000	2	999	9 Iron	093	0000
	048	149	1		Jackson	095	3760
				006	5 Blue Springs		
				019	6 Grandview		
				022	3 Independence, part		
				026	2 Kansas City, part		
				030	5 Lee's Summit, part		
				038	5 Raytown		
				999	9 Balance of county		
	049	146	1		Jasper	097	3710
				009	6 Carthage		
				025	5 Joplin, part		
				999	9 Balance of county		
	050	254	1		Jefferson	099	7040
				001	6 Arnold		
				999	9 Balance of county		
	051	000	2		Johnson	101	0000
				050	6 Warrensburg		
				999	9 Balance of county		
	052	000	2	999	9 Knox	103	0000
	053	000	2	999	9 Laclede	105	0000
	054	149	1	999	9 Lafayette	107	3760
	055	000	2	999	9 Lawrence	109	0000
	056	000	2	999	9 Lewis	111	0000
	057	000	2	999	9 Lincoln	113	0000
	058	000	2	999	9 Linn	115	0000
	059	000	2	999	9 Livingston	117	0000
	060	000	2	999	9 McDonald	119	0000
	061	000	2	999	9 Macon	121	0000
	062	000	2	999	9 Madison	123	0000
	063	000	2	999	9 Maries	125	0000
	064	000	2		Marion	127	0000
				020	6 Hannibal, part		
				999	9 Balance of county		
	065	000	2	999	9 Mercer	129	0000
	066	000	2	999	9 Miller	131	0000
	067	000	2	999	9 Mississippi	133	0000
	068	000	2	999	9 Moniteau	135	0000
	069	000	2	999	9 Monroe	137	0000
	070	000	2	999	9 Montgomery	139	0000
	071	000	2	999	9 Morgan	141	0000
	072	000	2		New Madrid	143	0000
				047	6 Sikeston, part		
				999	9 Balance of county		
	073	146	1		Newton	145	3710
				025	5 Joplin, part		
				999	9 Balance of county		
	074	000	2	999	9 Nodaway	147	0000
	075	000	2	999	9 Oregon	149	0000
	076	000	2	999	9 Osage	151	0000
	077	000	2	999	9 Ozark	153	0000
	078	000	2	999	9 Pemiscot	155	0000
	079	000	2	999	9 Perry	157	0000
	080	000	2		Pettis	159	0000
				046	6 Sedalia		
				999	9 Balance of county		
	081	000	2		Phelps	161	0000
				040	6 Rolla		
				999	9 Balance of county		
	082	000	2	999	9 Pike	163	0000
	083	149	1		Platte	165	3760
				026	2 Kansas City, part		
				999	9 Balance of county		
	084	000	2	999	9 Polk	167	0000
	085	000	2	999	9 Pulaski	169	0000
	086	000	2	999	9 Putnam	171	0000
	087	000	2		Ralls	173	0000
				020	6 Hannibal, part		
				999	9 Balance of county		
	088	000	2		Randolph	175	0000
				035	6 Moberly		
				999	9 Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
26				Missouri	29
089	149	1		Ray	177 3760
			014 6	Excelsior Springs, part	
			999 9	Balance of county	
090	000	2	999 9	Reynolds	179 0000
091	000	2	999 9	Ripley	181 0000
092	254	1		St. Charles	183 7040
			042 5	St. Charles	
			045 6	St. Peters	
			999 9	Balance of county	
093	000	2	999 9	St. Clair	185 0000
094	000	2	999 9	Ste. Genevieve	186 0000
095	000	2	999 9	St. Francois	187 0000
096	254	1		St. Louis	189 7040
			002 6	Ballwin	
			003 6	Bellefontaine Neighbors	
			005 6	Berkeley	
			007 6	Bridgeton	
			010 6	Clayton	
			012 6	Crestwood	
			013 6	Creve Coeur	
			015 6	Ferguson	
			016 4	Florissant	
			021 6	Hazelwood	
			024 6	Jennings	
			029 5	Kirkwood	
			032 6	Maplewood	
			036 6	Overland	
			039 6	Richmond Heights	
			041 6	St. Ann	
			049 5	University City	
			051 6	Webster Groves	
			999 9	Balance of county	
097	254	1	044 2	St. Louis city	510 7040
098	000	2		Saline	195 0000
			033 6	Marshall	
			999 9	Balance of county	
099	000	2	999 9	Schuyler	197 0000
100	000	2	999 9	Scotland	199 0000
101	000	2		Scott	201 0000
			047 6	Sikeston, part	
			999 9	Balance of county	
102	000	2	999 9	Shannon	203 0000
103	000	2	999 9	Shelby	205 0000
104	000	2	999 9	Stoddard	207 0000
105	000	2	999 9	Stone	209 0000
106	000	2	999 9	Sullivan	211 0000
107	000	2	999 9	Taney	213 0000
108	000	2	999 9	Texas	215 0000
109	000	2	999 9	Vernon	217 0000
110	000	2	999 9	Warren	219 0000
111	000	2	999 9	Washington	221 0000
112	000	2	999 9	Wayne	223 0000
113	000	2	999 9	Webster	225 0000
114	000	2	999 9	Worth	227 0000
115	000	2	999 9	Wright	229 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
27					Montana	30	
	001	000	2	999	9 Beaverhead	001	0000
	002	000	2	999	9 Big Horn	003	0000
	003	000	2	999	9 Blaine	005	0000
	004	000	2	999	9 Broadwater	007	0000
	005	000	2	999	9 Carbon	009	0000
	006	000	2	999	9 Carter	011	0000
	007	118	1		Cascade	013	3040
				005	4 Great Falls		
				999	9 Balance of county		
	008	000	2	999	9 Chouteau	015	0000
	009	000	2	999	9 Custer	017	0000
	010	000	2	999	9 Daniels	019	0000
	011	000	2	999	9 Dawson	021	0000
	012	000	2	001	6 Deer Lodge, coext. with Anaconda-Deer Lodge	023	0000
	013	000	2	999	9 Fallon	025	0000
	014	000	2	999	9 Fergus	027	0000
	015	000	2		Flathead	029	0000
				008	6 Kalispell		
				999	9 Balance of county		
	016	000	2		Gallatin	031	0000
				003	6 Bozeman		
				999	9 Balance of county		
	017	000	2	999	9 Garfield	033	0000
	018	000	2	999	9 Glacier	035	0000
	019	000	2	999	9 Golden Valley	037	0000
	020	000	2	999	9 Granite	039	0000
	021	000	2		Hill	041	0000
				006	6 Havre		
				999	9 Balance of county		
	022	000	2	999	9 Jefferson	043	0000
	023	000	2	999	9 Judith Basin	045	0000
	024	000	2	999	9 Lake	047	0000
	025	000	2		Lewis and Clark	049	0000
				007	6 Helena		
				999	9 Balance of county		
	026	000	2	999	9 Liberty	051	0000
	027	000	2	999	9 Lincoln	053	0000
	028	000	2	999	9 McCone	055	0000
	029	000	2	999	9 Madison	057	0000
	030	000	2	999	9 Meagher	059	0000
	031	000	2	999	9 Mineral	061	0000
	032	000	2		Missoula	063	0000
				009	5 Missoula		
				999	9 Balance of county		
	033	000	2	999	9 Musselshell	065	0000
	034	000	2	999	9 Park	067	0000
	035	000	2	999	9 Petroleum	069	0000
	036	000	2	999	9 Phillips	071	0000
	037	000	2	999	9 Pondera	073	0000
	038	000	2	999	9 Powder River	075	0000
	039	000	2	999	9 Powell	077	0000
	040	000	2	999	9 Prairie	079	0000
	041	000	2	999	9 Ravalli	081	0000
	042	000	2	999	9 Richland	083	0000
	043	000	2	999	9 Roosevelt	085	0000
	044	000	2	999	9 Rosebud	087	0000
	045	000	2	999	9 Sanders	089	0000
	046	000	2	999	9 Sheridan	091	0000
	047	000	2		Silver Bow	093	0000
				004	5 Butte-Silver Bow		
				999	9 Balance of county		
	048	000	2	999	9 Stillwater	095	0000
	049	000	2	999	9 Sweet Grass	097	0000
	050	000	2	999	9 Teton	099	0000
	051	000	2	999	9 Toole	101	0000
	052	000	2	999	9 Treasure	103	0000
	053	000	2	999	9 Valley	105	0000
	054	000	2	999	9 Wheatland	107	0000
	055	000	2	999	9 Wibaux	109	0000
	056	034	1		Yellowstone	111	0000
				002	4 Billings		
				999	9 Balance of county		
	057	000	2	999	9 Yellowstone National Park	113	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
28						Nebraska	31	
	001	000	2			Adams	001	0000
				006	6	Hastings		
				999	9	Balance of county		
	002	000	2	999	9	Antelope	003	0000
	003	000	2	999	9	Arthur	005	0000
	004	000	2	999	9	Banner	007	0000
	005	000	2	999	9	Blaine	009	0000
	006	000	2	999	9	Boone	011	0000
	007	000	2	999	9	Box Butte	013	0000
	008	000	2	999	9	Boyd	015	0000
	009	000	2	999	9	Brown	017	0000
	010	000	2			Buffalo	019	0000
				007	6	Kearney		
				999	9	Balance of county		
	011	000	2	999	9	Burt	021	0000
	012	000	2	999	9	Butler	023	0000
	013	000	2	999	9	Cass	025	0000
	014	000	2	999	9	Cedar	027	0000
	015	000	2	999	9	Chase	029	0000
	016	000	2	999	9	Cherry	031	0000
	017	000	2	999	9	Cheyenne	033	0000
	018	000	2	999	9	Clay	035	0000
	019	000	2	999	9	Colfax	037	0000
	020	000	2	999	9	Cuming	039	0000
	021	000	2	999	9	Custer	041	0000
	022	275	1	999	9	Dakota	043	7720
	023	000	2	999	9	Dawes	045	0000
	024	000	2	999	9	Dawson	047	0000
	025	000	2	999	9	Deuel	049	0000
	026	000	2	999	9	Dixon	051	0000
	027	000	2			Dodge	053	0000
				004	6	Fremont		
				999	9	Balance of county		
	028	215	1			Douglas	055	5920
				011	2	Omaha		
				999	9	Balance of county		
	029	000	2	999	9	Dundy	057	0000
	030	000	2	999	9	Fillmore	059	0000
	031	000	2	999	9	Franklin	061	0000
	032	000	2	999	9	Frontier	063	0000
	033	000	2	999	9	Furnas	065	0000
	034	000	2			Gage	067	0000
				001	6	Beatrice		
				999	9	Balance of county		
	035	000	2	999	9	Garden	069	0000
	036	000	2	999	9	Garfield	071	0000
	037	000	2	999	9	Gosper	073	0000
	038	000	2	999	9	Grant	075	0000
	039	000	2	999	9	Greeley	077	0000
	040	000	2			Hall	079	0000
				005	5	Grand Island		
				999	9	Balance of county		
	041	000	2	999	9	Hamilton	081	0000
	042	000	2	999	9	Harlan	083	0000
	043	000	2	999	9	Hayes	085	0000
	044	000	2	999	9	Hitchcock	087	0000
	045	000	2	999	9	Holt	089	0000
	046	000	2	999	9	Hooker	091	0000
	047	000	2	999	9	Howard	093	0000
	048	000	2	999	9	Jefferson	095	0000
	049	000	2	999	9	Johnson	097	0000
	050	000	2	999	9	Kearney	099	0000
	051	000	2	999	9	Keith	101	0000
	052	000	2	999	9	Keya Paha	103	0000
	053	000	2	999	9	Kimball	105	0000
	054	000	2	999	9	Knox	107	0000
	055	170	1			Lancaster	109	4360
				008	3	Lincoln		
				999	9	Balance of county		
	056	000	2			Lincoln	111	0000
				010	6	North Platte		
				999	9	Balance of county		
	057	000	2	999	9	Logan	113	0000
	058	000	2	999	9	Loup	115	0000

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
Nebraska							28		
	059	000	2	999	9	McPherson		117	0000
	060	000	2			Madison		119	0000
				009	6	Norfolk			
				999	9	Balance of county			
	061	000	2	999	9	Merrick		121	0000
	062	000	2	999	9	Morrill		123	0000
	063	000	2	999	9	Nance		125	0000
	064	000	2	999	9	Nemaha		127	0000
	065	000	2	999	9	Nuckolls		129	0000
	066	000	2	999	9	Otoe		131	0000
	067	000	2	999	9	Pawnee		133	0000
	068	000	2	999	9	Perkins		135	0000
	069	000	2	999	9	Phelps		137	0000
	070	000	2	999	9	Pierce		139	0000
	071	000	2			Platte		141	0000
				003	6	Columbus			
				999	9	Balance of county			
	072	000	2	999	9	Polk		143	0000
	073	000	2	999	9	Red Willow		145	0000
	074	000	2	999	9	Richardson		147	0000
	075	000	2	999	9	Rock		149	0000
	076	000	2	999	9	Saline		151	0000
	077	215	1			Sarpy		153	5920
				002	6	Bellevue			
				999	9	Balance of county			
	078	000	2	999	9	Saunders		155	0000
	079	000	2			Scotts Bluff		157	0000
				012	6	Scottsbluff			
				999	9	Balance of county			
	080	000	2	999	9	Seward		159	0000
	081	000	2	999	9	Sheridan		161	0000
	082	000	2	999	9	Sherman		163	0000
	083	000	2	999	9	Sioux		165	0000
	084	000	2	999	9	Stanton		167	0000
	085	000	2	999	9	Thayer		169	0000
	086	000	2	999	9	Thomas		171	0000
	087	000	2	999	9	Thurston		173	0000
	088	000	2	999	9	Valley		175	0000
	089	215	1	999	9	Washington		177	5920
	090	000	2	999	9	Wayne		179	0000
	091	000	2	999	9	Webster		181	0000
	092	000	2	999	9	Wheeler		183	0000
	093	000	2	999	9	York		185	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
29					Nevada	32	
	001	000	2	001	5 Carson City city	510	0000
	002	000	2	999	9 Churchill	001	0000
	003	164	1		Clark	003	4120
				002	6 Henderson		
				003	3 Las Vegas		
				004	5 North Las Vegas		
				999	9 Balance of county		
	004	000	2	999	9 Douglas	005	0000
	005	000	2	999	9 Elko	007	0000
	006	000	2	999	9 Esmeralda	009	0000
	007	000	2	999	9 Eureka	011	0000
	008	000	2	999	9 Humboldt	013	0000
	009	000	2	999	9 Lander	015	0000
	010	000	2	999	9 Lincoln	017	0000
	011	000	2	999	9 Lyon	019	0000
	012	000	2	999	9 Mineral	021	0000
	013	000	2	999	9 Nye	023	0000
	014	000	2	999	9 Pershing	027	0000
	015	000	2	999	9 Storey	029	0000
	016	242	1		Washoe	031	6720
				005	3 Reno		
				006	5 Sparks		
				999	9 Balance of county		
	017	000	2	999	9 White Pine	033	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
30				New Hampshire	33
001	000	2		Belknap	001 0000
			006 6	Laconia	
			999 9	Balance of county	
002	000	2	999 9	Carroll	003 0000
003	000	2		Cheshire	005 0000
			005 6	Keene	
			999 9	Balance of county	
004	000	2		Coos	007 0000
			001 6	Berlin	
			999 9	Balance of county	
005	000	2		Grafton	009 0000
			007 6	Lebanon	
			999 9	Balance of county	
006	180	1		Hillsborough	011 4763
			008 4	Manchester	
			009 4	Nashua	
			999 9	Balance of county	
007	000	2		Merrimack	013 0000
			003 5	Concord	
			999 9	Balance of county	
008	232	1		Rockingham	015 6453
			010 5	Portsmouth	
			999 9	Balance of county	
009	232	1		Strafford	017 6453
			004 6	Dover	
			011 6	Rochester	
			012 6	Somersworth	
			999 9	Balance of county	
010	000	2		Sullivan	019 0000
			002 6	Claremont	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes		FIPS Codes			
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
31			New Jersey	34	
	001	020	1	001	0560
		003	5		
		053	6		
		120	6		
		139	6		
		152	6		
		999	9		
	002	033	1	003	0875
		007	5		
		020	6		
		029	6		
		036	6		
		037	6		
		039	5		
		040	6		
		041	5		
		044	5		
		046	6		
		049	5		
		056	6		
		060	6		
		075	6		
		077	6		
		096	6		
		098	6		
		103	6		
		108	6		
		109	5		
		125	6		
		127	6		
		128	6		
		129	5		
		131	6		
		134	6		
		135	6		
		146	5		
		147	6		
		156	6		
		157	6		
		168	6		
		172	6		
		999	9		
	003	225	1	005	6160
		013	6		
		018	6		
		024	6		
		081	6		
		089	6		
		092	6		
		113	5		
		169	5		
		999	9		
	004	225	1	007	6160
		006	6		
		014	4		
		017	4		
		022	6		
		047	5		
		048	6		
		050	6		
		051	6		
		072	6		
		114	5		
		155	6		
		999	9		
	005	020	1	009	0560
		105	6		
		999	9		
	006	302	1	011	876C
		011	6		
		087	6		
		154	4		
		999	9		
	007	207	1	013	5640
		005	5		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data				FIPS Codes	
Vital Statistics Codes				St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	
31				New Jersey	34
			009 5	Bloomfield	
			016 6	Cedar Grove township	
			031 4	East Orange	
			065 4	Irvington	
			074 5	Livingston township	
			082 6	Maplewood township	
			086 6	Millburn township	
			088 5	Montclair	
			094 2	Newark	
			102 5	Nutley	
			107 5	Orange	
			141 6	South Orange Village township	
			153 6	Verona	
			162 6	West Caldwell	
			166 5	West Orange	
			999 9	Balance of county	
008	225	1		Gloucester	015 6160
			026 6	Deptford township	
			045 6	Glassboro	
			159 5	Washington township	
			163 6	West Deptford township	
			171 6	Woodbury	
			999 9	Balance of county	
009	142	1		Hudson	017 3640
			004 4	Bayonne	
			055 6	Harrison	
			062 5	Hoboken	
			067 3	Jersey City	
			069 5	Kearny	
			099 5	North Bergen township	
			138 6	Secaucus	
			150 4	Union City	
			161 6	Weehawken township	
			165 5	West New York	
			999 9	Balance of county	
010	188	1	999 9	Hunterdon	019 5015
011	293	1		Mercer	021 8480
			032 6	East Windsor township	
			038 5	Ewing township	
			052 4	Hamilton township	
			123 6	Princeton	
			149 4	Trenton	
			999 9	Balance of county	
012	188	1		Middlesex	023 5015
			015 6	Carteret	
			030 5	East Brunswick township	
			034 4	Edison township	
			059 6	Highland Park	
			083 6	Metuchen	
			084 6	Middlesex	
			095 5	New Brunswick	
			100 6	North Brunswick township	
			106 4	Old Bridge township	
			116 5	Perth Amboy	
			118 5	Piscataway township	
			136 5	Sayreville	
			142 6	South Plainfield	
			143 6	South River	
			170 4	Woodbridge township	
			999 9	Balance of county	
013	194	1		Monmouth	025 5190
			001 6	Aberdeen township	
			002 6	Asbury Park	
			033 6	Eatontown	
			043 6	Freehold	
			058 6	Hazlet township	
			064 5	Howell township	
			068 6	Keansburg	
			076 5	Long Branch	
			085 4	Middletown township	
			093 5	Neptune township	
			104 6	Ocean township	
			126 6	Red Bank	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes			FIPS Codes				
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
31					New Jersey	34	
	014	207	1		Morris	027	5640
			025	6	Denville township		
			027	6	Dover		
			054	6	Hanover township		
			078	6	Madison		
			090	6	Morris township		
			091	6	Morristown		
			110	5	Parsippany-Troy Hills township		
			115	6	Pequannock township		
			999	9	Balance of county		
	015	194	1		Ocean	029	5190
			010	4	Brick township		
			028	4	Dover township		
			066	5	Jackson township		
			070	5	Lakewood township		
			079	5	Manchester township		
			121	6	Point Pleasant		
			999	9	Balance of county		
	016	033	1		Passaic	031	0875
			021	4	Clifton		
			057	6	Hawthorne		
			073	6	Little Falls township		
			111	4	Passaic		
			112	3	Paterson		
			122	6	Pompton Lakes		
			130	6	Ringwood		
			148	6	Totowa		
			158	6	Wanaque		
			160	5	Wayne township		
			167	6	West Paterson		
			999	9	Balance of county		
	017	313	1		Salem	033	9160
	018	188	1		Somerset	035	5015
			012	5	Bridgewater township		
			042	5	Franklin township		
			080	6	Manville		
			101	6	North Plainfield		
			140	6	Somerville		
			999	9	Balance of county		
	019	207	1		Sussex	037	5640
			063	6	Hopatcong		
			999	9	Balance of county		
	020	207	1		Union	039	5640
			008	6	Berkeley Heights township		
			019	6	Clark township		
			023	6	Cranford township		
			035	3	Elizabeth		
			061	6	Hillside township		
			071	5	Linden		
			097	6	New Providence		
			119	5	Plainfield		
			124	5	Rahway		
			132	6	Roselle		
			133	6	Roselle Park		
			137	6	Scotch Plains township		
			144	6	Springfield township		
			145	6	Summit		
			151	4	Union township		
			164	5	Westfield		
			999	9	Balance of county		
	021	007	1		Warren	041	0240
			117	6	Phillipsburg		
			999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
32						New Mexico	35		
	001	005	1			Bernalillo	001	0200	
				002	2	Albuquerque			
				999	9	Balance of county			
	002	000	2	999	9	Catron	003	0000	
	003	000	2			Chaves	005	0000	
				011	5	Roswell			
				999	9	Balance of county			
	004	000	2	999	9	Cibola	006	0000	
	005	000	2	999	9	Colfax	007	0000	
	006	000	2			Curry	009	0000	
				005	5	Clovis			
				999	9	Balance of county			
	007	000	2	999	9	De Baca	011	0000	
	008	163	1			Dona Ana	013	4100	
				009	5	Las Cruces			
				999	9	Balance of county			
	009	000	2			Eddy	015	0000	
				003	6	Artesia			
				004	5	Carlsbad			
				999	9	Balance of county			
	010	000	2	999	9	Grant	017	0000	
	011	000	2	999	9	Guadalupe	019	0000	
	012	000	2	999	9	Harding	021	0000	
	013	000	2	999	9	Hidalgo	023	0000	
	014	000	2			Lea	025	0000	
				008	5	Hobbs			
				999	9	Balance of county			
	015	000	2	999	9	Lincoln	027	0000	
	016	265	1	999	9	Los Alamos	028	7490	
	017	000	2	999	9	Luna	029	0000	
	018	000	2			McKinley	031	0000	
				007	6	Gallup			
				999	9	Balance of county			
	019	000	2	999	9	Mora	033	0000	
	020	000	2			Otero	035	0000	
				001	6	Alamogordo			
				999	9	Balance of county			
	021	000	2	999	9	Quay	037	0000	
	022	000	2	999	9	Rio Arriba	039	0000	
	023	000	2	999	9	Roosevelt	041	0000	
	024	000	2	999	9	Sandoval	043	0000	
	025	000	2			San Juan	045	0000	
				006	5	Farmington			
				999	9	Balance of county			
	026	000	2			San Miguel	047	0000	
				010	6	Las Vegas			
				999	9	Balance of county			
	027	265	1			Santa Fe	049	7490	
				012	5	Santa Fe			
				999	9	Balance of county			
	028	000	2	999	9	Sierra	051	0000	
	029	000	2	999	9	Socorro	053	0000	
	030	000	2	999	9	Taos	055	0000	
	031	000	2	999	9	Torrance	057	0000	
	032	000	2	999	9	Union	059	0000	
	033	000	2	999	9	Valencia	061	0000	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.				FIPS Codes	
Vital Statistics Codes				St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
33				New York	36
001	004	1		Albany	001 0160
			001 3	Albany	
			013 6	Cohoes	
			097 6	Watervliet	
			999 9	Balance of county	
002	000	2	999 9	Allegany	003 0000
003	036	1		Broome	007 0960
			007 4	Binghamton	
			021 6	Endicott	
			041 6	Johnson City	
			095 5	Vestal town	
			999 9	Balance of county	
004	000	2		Cattaraugus	009 0000
			065 6	Olean	
			999 9	Balance of county	
005	000	2		Cayuga	011 0000
			003 5	Auburn	
			999 9	Balance of county	
006	140	1		Chautauqua	013 3610
			018 6	Dunkirk	
			023 6	Fredonia	
			040 5	Jamestown	
			999 9	Balance of county	
007	091	1		Chemung	015 2335
			020 5	Elmira	
			999 9	Balance of county	
008	000	2	999 9	Chenango	017 0000
009	000	2		Clinton	019 0000
			073 6	Plattsburgh	
			999 9	Balance of county	
010	000	2	999 9	Columbia	021 0000
011	000	2		Cortland	023 0000
			015 6	Cortland	
			999 9	Balance of county	
012	000	2	999 9	Delaware	025 0000
013	233	1		Dutchess	027 6460
			006 6	Beacon	
			076 5	Poughkeepsie	
			999 9	Balance of county	
014	050	1		Erie	029 1280
			010 2	Buffalo	
			016 6	Depew	
			033 6	Hamburg	
			042 6	Kenmore	
			045 6	Lackawanna	
			046 6	Lancaster	
			091 6	Tonawanda	
			099 4	West Seneca town	
			999 9	Balance of county	
015	000	2	999 9	Essex	031 0000
016	000	2	999 9	Franklin	033 0000
017	000	2		Fulton	035 0000
			031 6	Gloversville	
			999 9	Balance of county	
018	000	2		Genesee	037 0000
			005 6	Batavia	
			999 9	Balance of county	
019	004	1	999 9	Greene	039 0160
020	000	2	999 9	Hamilton	041 0000
021	298	1	999 9	Herkimer	043 8680
022	000	2		Jefferson	045 0000
			096 5	Watertown	
			999 9	Balance of county	
023	000	2	999 9	Lewis	049 0000
024	248	1	999 9	Livingston	051 6840
025	285	1		Madison	053 8160
			066 6	Oneida	
			999 9	Balance of county	
026	248	1		Monroe	055 6840
			008 5	Brighton town	
			027 5	Gates town	
			032 4	Greece town	
			036 5	Henrietta town	
			038 4	Irondequoit town	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes			FIPS Codes				
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
33					New York	36	
			072	5	Penfield town		
			079	3	Rochester		
			999	9	Balance of county		
027	004	1			Montgomery	057	0160
			002	6	Amsterdam		
			999	9	Balance of county		
028	201	1			Nassau	059	5380
			019	6	East Rockaway		
			022	6	Floral Park		
			024	5	Freeport		
			026	6	Garden City		
			029	6	Glen Cove		
			035	5	Hempstead		
			049	5	Long Beach		
			050	6	Lynbrook		
			052	6	Massapequa Park		
			055	6	Mineola		
			080	5	Rockville Centre		
			094	5	Valley Stream		
			098	6	Westbury		
			999	9	Balance of county		
029	206	1			New York city		5600
			009	0	Bronx borough, Bronx county	005	
			043	0	Brooklyn borough, Kings county	047	
			060	0	Manhattan borough, New York county	061	
			077	0	Queens borough, Queens county	081	
			078	0	Staten Island borough, Richmond county	085	
030	208	1			Niagara	063	5700
			048	6	Lockport		
			061	4	Niagara Falls		
			063	5	North Tonawanda		
			999	9	Balance of county		
031	298	1			Oneida	065	8680
			081	5	Rome		
			093	4	Utica		
			999	9	Balance of county		
032	285	1			Onondaga	067	8160
			089	3	Syracuse		
			999	9	Balance of county		
033	248	1			Ontario	069	6840
			011	6	Canandaigua		
			028	6	Geneva, part		
			999	9	Balance of county		
034	216	1			Orange	071	5950
			054	6	Middletown		
			058	6	Newburgh		
			999	9	Balance of county		
035	248	1	999	9	Orleans	073	6840
036	285	1			Oswego	075	8160
			025	6	Fulton		
			069	6	Oswego		
			999	9	Balance of county		
037	000	2			Otsego	077	0000
			067	6	Oneonta		
			999	9	Balance of county		
038	206	1			Putnam	079	5600
			012	5	Carmel town		
			999	9	Balance of county		
039	004	1			Rensselaer	083	0160
			092	4	Troy		
			999	9	Balance of county		
040	206	1			Rockland	087	5600
			087	6	Spring Valley		
			088	6	Suffern		
			999	9	Balance of county		
041	000	2			St. Lawrence	089	0000
			053	6	Massena		
			064	6	Ogdensburg		
			075	6	Potsdam		
			999	9	Balance of county		
042	004	1			Saratoga	091	0160
			084	6	Saratoga Springs		
			999	9	Balance of county		
043	004	1			Schenectady	093	0160
			062	6	Niskayuna town		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
33				New York	36
			082 5	Rotterdam town	
			086 4	Schenectady	
			999 9	Balance of county	
044	000	2	999 9	Schoharie	095 0000
045	000	2	999 9	Schuyler	097 0000
046	000	2		Seneca	099 0000
			028 6	Geneva, part	
			999 9	Balance of county	
047	000	2		Steuben	101 0000
			014 6	Corning	
			037 6	Hornell	
			999 9	Balance of county	
048	201	1		Suffolk	103 5380
			004 6	Babylon	
			047 5	Lindenhurst	
			070 6	Patchogue	
			999 9	Balance of county	
049	000	2	999 9	Sullivan	105 0000
050	036	1	999 9	Tioga	107 0960
051	000	2		Tompkins	109 0000
			039 5	Ithaca	
			999 9	Balance of county	
052	000	2		Ulster	111 0000
			044 6	Kingston	
			999 9	Balance of county	
053	115	1		Warren	113 2975
			030 6	Glens Falls	
			999 9	Balance of county	
054	115	1	999 9	Washington	115 2975
055	248	1		Wayne	117 6840
			057 6	Newark	
			999 9	Balance of county	
056	206	1		Westchester	119 5600
			017 6	Dobbs Ferry	
			034 6	Harrison	
			051 6	Mamaroneck	
			056 4	Mount Vernon	
			059 4	New Rochelle	
			068 6	Ossining	
			071 6	Peekskill	
			074 6	Port Chester	
			083 6	Rye	
			085 6	Scarsdale	
			090 6	Tarrytown	
			100 5	White Plains	
			101 3	Yonkers	
			102 5	Yorktown town	
			999 9	Balance of county	
057	000	2	999 9	Wyoming	121 0000
058	000	2	999 9	Yates	123 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St Cnty	MSA	M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
34				North Carolina				37	
	001	051	1				Alamance	001	1300
			005 5				Burlington		
			999 9				Balance of county		
	002	127	1	999	9		Alexander	003	3290
	003	000	2	999	9		Alleghany	005	0000
	004	000	2	999	9		Anson	007	0000
	005	000	2	999	9		Ashe	009	0000
	006	000	2	999	9		Avery	011	0000
	007	000	2	999	9		Beaufort	013	0000
	008	000	2	999	9		Bertie	015	0000
	009	000	2	999	9		Bladen	017	0000
	010	000	2	999	9		Brunswick	019	0000
	011	017	1				Buncombe	021	0480
			003 4				Asheville		
			999 9				Balance of county		
	012	127	1				Burke	023	3290
			021 6				Hickory, part		
			030 6				Morganton		
			999 9				Balance of county		
	013	059	1				Cabarrus	025	1520
			009 6				Concord		
			999 9				Balance of county		
	014	000	2				Caldwell	027	0000
			026 6				Lenoir		
			999 9				Balance of county		
	015	000	2				Camden	029	0000
			012 6				Elizabeth City, part		
			999 9				Balance of county		
	016	000	2	999	9		Carteret	031	0000
	017	000	2	999	9		Caswell	033	0000
	018	127	1				Catawba	035	3290
			021 6				Hickory, part		
			999 9				Balance of county		
	019	000	2	999	9		Chatham	037	0000
	020	000	2	999	9		Cherokee	039	0000
	021	000	2	999	9		Chowan	041	0000
	022	000	2	999	9		Clay	043	0000
	023	000	2				Cleveland	045	0000
			038 6				Shelby		
			999 9				Balance of county		
	024	000	2	999	9		Columbus	047	0000
	025	000	2				Craven	049	0000
			019 6				Havelock		
			031 6				New Bern		
			999 9				Balance of county		
	026	097	1				Cumberland	051	2560
			013 4				Fayetteville		
			999 9				Balance of county		
	027	000	2	999	9		Currituck	053	0000
	028	000	2	999	9		Dare	055	0000
	029	121	1				Davidson	057	3120
			022 4				High Point, part		
			027 6				Lexington		
			040 6				Thomasville		
			999 9				Balance of county		
	030	121	1	999	9		Davie	059	3120
	031	000	2	999	9		Duplin	061	0000
	032	238	1				Durham	063	6640
			007 5				Chapel Hill, part		
			010 3				Durham		
			999 9				Balance of county		
	033	000	2				Edgecombe	065	0000
			035 5				Rocky Mount, part		
			999 9				Balance of county		
	034	121	1				Forsyth	067	3120
			043 3				Winston-Salem		
			999 9				Balance of county		
	035	238	1	999	9		Franklin	069	6640
	036	059	1				Gaston	071	1520
			015 5				Gastonia		
			999 9				Balance of county		
	037	000	2	999	9		Gates	073	0000
	038	000	2	999	9		Graham	075	0000
	039	000	2	999	9		Granville	077	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes		FIPS Codes			
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
34			North Carolina	37	
	040	000 2	999 9 Greene		079 0000
	041	121 1	Guilford		081 3120
			017 3 Greensboro		
			022 4 High Point, part		
			999 9 Balance of county		
	042	000 2	Halifax		083 0000
			034 6 Roanoke Rapids		
			999 9 Balance of county		
	043	000 2	999 9 Harnett		085 0000
	044	000 2	999 9 Haywood		087 0000
	045	000 2	999 9 Henderson		089 0000
	046	000 2	999 9 Hertford		091 0000
	047	000 2	999 9 Hoke		093 0000
	048	000 2	999 9 Hyde		095 0000
	049	000 2	Iredell		097 0000
			039 6 Statesville		
			999 9 Balance of county		
	050	000 2	999 9 Jackson		099 0000
	051	000 2	999 9 Johnston		101 0000
	052	000 2	999 9 Jones		103 0000
	053	000 2	Lee		105 0000
			037 6 Sanford		
			999 9 Balance of county		
	054	000 2	Lenoir		107 0000
			024 5 Kinston		
			999 9 Balance of county		
	055	059 1	999 9 Lincoln		109 1520
	056	000 2	999 9 McDowell		111 0000
	057	000 2	999 9 Macon		113 0000
	058	000 2	999 9 Madison		115 0000
	059	000 2	999 9 Martin		117 0000
	060	059 1	Mecklenburg		119 1520
			008 2 Charlotte		
			999 9 Balance of county		
	061	000 2	999 9 Mitchell		121 0000
	062	000 2	999 9 Montgomery		123 0000
	063	000 2	999 9 Moore		125 0000
	064	000 2	Nash		127 0000
			035 5 Rocky Mount, part		
			999 9 Balance of county		
	065	314 1	New Hanover		129 9200
			041 5 Wilmington		
			999 9 Balance of county		
	066	000 2	999 9 Northampton		131 0000
	067	139 1	Onslow		133 3605
			023 6 Jacksonville		
			999 9 Balance of county		
	068	238 1	Orange		135 6640
			007 5 Chapel Hill, part		
			999 9 Balance of county		
	069	000 2	999 9 Pamlico		137 0000
	070	000 2	Pasquotank		139 0000
			012 6 Elizabeth City, part		
			999 9 Balance of county		
	071	000 2	999 9 Pender		141 0000
	072	000 2	999 9 Perquimans		143 0000
	073	000 2	999 9 Person		145 0000
	074	000 2	Pitt		147 0000
			018 5 Greenville		
			999 9 Balance of county		
	075	000 2	999 9 Polk		149 0000
	076	121 1	Randolph		151 3120
			002 6 Asheboro		
			022 4 High Point, part		
			999 9 Balance of county		
	077	000 2	999 9 Richmond		153 0000
	078	000 2	Robeson		155 0000
			028 6 Lumberton		
			999 9 Balance of county		
	079	000 2	Rockingham		157 0000
			011 6 Eden		
			033 6 Reidsville		
			999 9 Balance of county		
	080	059 1	Rowan		159 1520
			036 6 Salisbury		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data						FIPS Codes	
Vital Statistics Codes						St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
34					North Carolina	37	
			999	9	Balance of county		
081	000	2	999	9	Rutherford	161	0000
082	000	2	999	9	Sampson	163	0000
083	000	2			Scotland	165	0000
			025	6	Laurinburg		
			999	9	Balance of county		
084	000	2			Stanly	167	0000
			001	6	Albemarle		
			999	9	Balance of county		
085	121	1	999	9	Stokes	169	3120
086	000	2	999	9	Surry	171	0000
087	000	2	999	9	Swain	173	0000
088	000	2	999	9	Transylvania	175	0000
089	000	2	999	9	Tyrrell	177	0000
090	059	1			Union	179	1520
			029	6	Monroe		
			999	9	Balance of county		
091	000	2			Vance	181	0000
			020	6	Henderson		
			999	9	Balance of county		
092	238	1			Wake	183	6640
			006	6	Cary		
			014	6	Garner		
			032	3	Raleigh		
			999	9	Balance of county		
093	000	2	999	9	Warren	185	0000
094	000	2	999	9	Washington	187	0000
095	000	2			Watauga	189	0000
			004	6	Boone		
			999	9	Balance of county		
096	000	2			Wayne	191	0000
			016	5	Goldsboro		
			999	9	Balance of county		
097	000	2	999	9	Wilkes	193	0000
098	000	2			Wilson	195	0000
			042	5	Wilson		
			999	9	Balance of county		
099	121	1	999	9	Yadkin	197	3120
100	000	2	999	9	Yancey	199	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
35					North Dakota	38
	001	000	2	999 9	Adams	001 0000
	002	000	2	999 9	Barnes	003 0000
	003	000	2	999 9	Benson	005 0000
	004	000	2	999 9	Billings	007 0000
	005	000	2	999 9	Bottineau	009 0000
	006	000	2	999 9	Bowman	011 0000
	007	000	2	999 9	Burke	013 0000
	008	038	1		Burleigh	015 1010
				001 5	Bismarck	
				999 9	Balance of county	
	009	096	1		Cass	017 2520
				003 4	Fargo	
				008 6	West Fargo	
				999 9	Balance of county	
	010	000	2	999 9	Cavalier	019 0000
	011	000	2	999 9	Dickey	021 0000
	012	000	2	999 9	Divide	023 0000
	013	000	2	999 9	Dunn	025 0000
	014	000	2	999 9	Eddy	027 0000
	015	000	2	999 9	Emmons	029 0000
	016	000	2	999 9	Foster	031 0000
	017	000	2	999 9	Golden Valley	033 0000
	018	116	1		Grand Forks	035 2985
				004 5	Grand Forks	
				999 9	Balance of county	
	019	000	2	999 9	Grant	037 0000
	020	000	2	999 9	Griggs	039 0000
	021	000	2	999 9	Hettinger	041 0000
	022	000	2	999 9	Kidder	043 0000
	023	000	2	999 9	La Moure	045 0000
	024	000	2	999 9	Logan	047 0000
	025	000	2	999 9	McHenry	049 0000
	026	000	2	999 9	McIntosh	051 0000
	027	000	2	999 9	McKenzie	053 0000
	028	000	2	999 9	McLean	055 0000
	029	000	2	999 9	Mercer	057 0000
	030	038	1		Morton	059 1010
				006 6	Mandan	
				999 9	Balance of county	
	031	000	2	999 9	Mountrail	061 0000
	032	000	2	999 9	Nelson	063 0000
	033	000	2	999 9	Oliver	065 0000
	034	000	2	999 9	Pembina	067 0000
	035	000	2	999 9	Pierce	069 0000
	036	000	2	999 9	Ramsey	071 0000
	037	000	2	999 9	Ransom	073 0000
	038	000	2	999 9	Renville	075 0000
	039	000	2	999 9	Richland	077 0000
	040	000	2	999 9	Rolette	079 0000
	041	000	2	999 9	Sargent	081 0000
	042	000	2	999 9	Sheridan	083 0000
	043	000	2	999 9	Sioux	085 0000
	044	000	2	999 9	Slope	087 0000
	045	000	2		Stark	089 0000
				002 6	Dickinson	
				999 9	Balance of county	
	046	000	2	999 9	Steele	091 0000
	047	000	2		Stutsman	093 0000
				005 6	Jamestown	
				999 9	Balance of county	
	048	000	2	999 9	Towner	095 0000
	049	000	2	999 9	Traill	097 0000
	050	000	2	999 9	Walsh	099 0000
	051	000	2		Ward	101 0000
				007 5	Minot	
				999 9	Balance of county	
	052	000	2	999 9	Wells	103 0000
	053	000	2		Williams	105 0000
				009 6	Williston	
				999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
36					Ohio	39
	001	000	2	999	9 Adams	001 0000
	002	169	1		Allen	003 4320
			067	5	Lima	
			999	9	Balance of county	
	003	000	2		Ashland	005 0000
			004	6	Ashland	
			999	9	Balance of county	
	004	000	2		Ashtabula	007 0000
			005	6	Ashtabula	
			033	6	Conneaut	
			999	9	Balance of county	
	005	000	2		Athens	009 0000
			006	6	Athens	
			999	9	Balance of county	
	006	169	1	999	9 Auglaize	011 4320
	007	309	1	999	9 Belmont	013 9000
	008	000	2	999	9 Brown	015 0000
	009	124	1		Butler	017 3200
			047	5	Fairfield	
			060	4	Hamilton	
			081	5	Middletown	
			096	6	Oxford	
			999	9	Balance of county	
	010	053	1	999	9 Carroll	019 1320
	011	000	2		Champaign	021 0000
			130	6	Urbana	
			999	9	Balance of county	
	012	078	1		Clark	023 2000
			118	4	Springfield	
			999	9	Balance of county	
	013	065	1	999	9 Clermont	025 1640
	014	000	2		Clinton	027 0000
			145	6	Wilmington	
			999	9	Balance of county	
	015	000	2		Columbiana	029 0000
			042	6	East Liverpool	
			108	6	Salem	
			999	9	Balance of county	
	016	000	2		Coshocton	031 0000
			034	6	Coshocton	
			999	9	Balance of county	
	017	000	2		Crawford	033 0000
			022	6	Bucyrus	
			055	6	Galion	
			999	9	Balance of county	
	018	067	1		Cuyahoga	035 1680
			009	6	Bay Village	
			011	6	Bedford	
			012	6	Bedford Heights	
			014	6	Berea	
			017	6	Brecksville	
			018	6	Broadview Heights	
			019	6	Brooklyn	
			020	5	Brook Park	
			030	1	Cleveland	
			031	4	Cleveland Heights	
			040	5	East Cleveland	
			045	4	Euclid	
			048	6	Fairview Park	
			056	5	Garfield Heights	
			065	4	Lakewood	
			069	6	Lyndhurst	
			071	5	Maple Heights	
			076	6	Mayfield Heights	
			080	6	Middleburg Heights	
			089	5	North Olmsted	
			091	6	North Royalton	
			098	4	Parma	
			099	6	Parma Heights	
			106	6	Richmond Heights	
			107	6	Rocky River	
			110	6	Seven Hills	
			111	5	Shaker Heights	
			115	6	Solon	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
36						Ohio	39		
				116	5	South Euclid			
				121	5	Strongsville			
				128	6	University Heights			
				136	6	Warrensville Heights			
				140	6	Westlake			
				999	9	Balance of county			
019	000		2			Darke	037	0000	
				058	6	Greenville			
				999	9	Balance of county			
020	000		2			Defiance	039	0000	
				037	6	Defiance			
				999	9	Balance of county			
021	072		1			Delaware	041	1840	
				038	6	Delaware			
				139	6	Westerville, part			
				999	9	Balance of county			
022	000		2			Erie	043	0000	
				109	5	Sandusky			
				133	6	Vermilion, part			
				999	9	Balance of county			
023	072		1			Fairfield	045	1840	
				032	1	Columbus, part			
				066	5	Lancaster			
				105	6	Reynoldsburg, part			
				999	9	Balance of county			
024	000		2			Fayette	047	0000	
				137	6	Washington			
				999	9	Balance of county			
025	072		1			Franklin	049	1840	
				015	6	Bexley			
				032	1	Columbus, part			
				054	6	Gahanna			
				059	6	Grove City			
				105	6	Reynoldsburg, part			
				129	5	Upper Arlington			
				139	6	Westerville, part			
				141	6	Whitehall			
				147	6	Worthington			
				999	9	Balance of county			
026	291		1			Fulton	051	8400	
027	000		2			Gallia	053	0000	
028	067		1			Geauga	055	1680	
029	078		1			Greene	057	2000	
				010	5	Beavercreek			
				036	3	Dayton, part			
				046	5	Fairborn			
				148	6	Xenia			
				999	9	Balance of county			
030	000		2			Guernsey	059	0000	
				023	6	Cambridge			
				999	9	Balance of county			
031	065		1			Hamilton	061	1640	
				028	2	Cincinnati			
				050	6	Forest Park			
				082	6	Montgomery			
				088	6	North College Hill			
				094	5	Norwood			
				104	6	Reading			
				112	6	Sharonville			
				117	6	Springdale			
				999	9	Balance of county			
032	000		2			Hancock	063	0000	
				049	5	Findlay			
				051	6	Fostoria, part			
				999	9	Balance of county			
033	000		2			Hardin	065	0000	
034	000		2			Harrison	067	0000	
035	000		2			Henry	069	0000	
036	000		2			Highland	071	0000	
037	000		2			Hocking	073	0000	
038	000		2			Holmes	075	0000	
039	000		2			Huron	077	0000	
				093	6	Norwalk			
				999	9	Balance of county			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes							
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name					St Cnty	MSA	
36					Ohio					39		
	040	000	2	999	9	Jackson					079	0000
	041	283	1			Jefferson					081	8080
				119	5	Steubenville						
				999	9	Balance of county						
	042	000	2			Knox					083	0000
				083	6	Mount Vernon						
				999	9	Balance of county						
	043	067	1			Lake					085	1680
				041	6	Eastlake						
				078	5	Mentor						
				097	6	Painesville						
				142	6	Wickliffe						
				143	6	Willoughby						
				144	6	Willowick						
				999	9	Balance of county						
	044	131	1			Lawrence					087	3400
				062	6	Ironton						
				999	9	Balance of county						
	045	072	1			Licking					089	1840
				084	5	Newark						
				105	6	Reynoldsburg, part						
				999	9	Balance of county						
	046	000	2			Logan					091	0000
				013	6	Bellefontaine						
				999	9	Balance of county						
	047	173	1			Lorain					093	4440
				003	6	Amherst						
				007	6	Avon Lake						
				043	4	Elyria						
				068	4	Lorain						
				090	6	North Ridgeville						
				113	6	Sheffield Lake						
				133	6	Vermilion, part						
				999	9	Balance of county						
	048	291	1			Lucas					095	8400
				075	6	Maumee						
				095	6	Oregon						
				123	6	Sylvania						
				126	2	Toledo						
				999	9	Balance of county						
	049	072	1	999	9	Madison					097	1840
	050	318	1			Mahoning					099	9320
				002	6	Alliance, part						
				024	6	Campbell						
				122	6	Struthers						
				149	3	Youngstown, part						
				999	9	Balance of county						
	051	000	2			Marion					101	0000
				073	5	Marion						
				999	9	Balance of county						
	052	067	1			Medina					103	1680
				021	5	Brunswick						
				077	6	Medina						
				134	6	Wadsworth						
				999	9	Balance of county						
	053	000	2	999	9	Meigs					105	0000
	054	000	2	999	9	Mercer					107	0000
	055	078	1			Miami					109	2000
				101	6	Piqua						
				127	6	Troy						
				999	9	Balance of county						
	056	000	2	999	9	Monroe					111	0000
	057	078	1			Montgomery					113	2000
				026	6	Centerville						
				036	3	Dayton, part						
				044	6	Englewood						
				061	5	Huber Heights						
				064	4	Kettering						
				079	6	Miamisburg						
				131	6	Vandalia						
				138	6	West Carrollton						
				999	9	Balance of county						
	058	000	2	999	9	Morgan					115	0000
	059	000	2	999	9	Morrow					117	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.				FIPS Codes	
Vital Statistics Codes				St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	
36				Ohio	39
060	000	2		Muskingum	119 0000
			150 5	Zanesville	
			999 9	Balance of county	
061	000	2	999 9	Noble	121 0000
062	000	2	999 9	Ottawa	123 0000
063	000	2	999 9	Paulding	125 0000
064	000	2	999 9	Perry	127 0000
065	072	1		Pickaway	129 1840
			029 6	Circleville	
			999 9	Balance of county	
066	000	2	999 9	Pike	131 0000
067	002	1		Portage	133 0080
			063 5	Kent	
			103 6	Ravenna	
			999 9	Balance of county	
068	000	2	999 9	Preble	135 0000
069	000	2	999 9	Putnam	137 0000
070	181	1		Richland	139 4800
			070 4	Mansfield	
			999 9	Balance of county	
071	000	2		Ross	141 0000
			027 6	Chillicothe	
			999 9	Balance of county	
072	000	2		Sandusky	143 0000
			053 6	Fremont	
			999 9	Balance of county	
073	000	2		Scioto	145 0000
			102 5	Portsmouth	
			999 9	Balance of county	
074	000	2		Seneca	147 0000
			051 6	Fostoria, part	
			125 6	Tiffin	
			999 9	Balance of county	
075	000	2		Shelby	149 0000
			114 6	Sidney	
			999 9	Balance of county	
076	053	1		Stark	151 1320
			002 6	Alliance, part	
			025 4	Canton	
			074 5	Massillon	
			087 6	North Canton	
			999 9	Balance of county	
077	002	1		Summit	153 0080
			001 3	Akron	
			008 5	Barberton	
			035 5	Cuyahoga Falls	
			092 6	Norton	
			120 5	Stow	
			124 6	Tallmadge	
			999 9	Balance of county	
078	318	1		Trumbull	155 9320
			057 6	Girard	
			086 6	Niles	
			135 4	Warren	
			149 3	Youngstown, part	
			999 9	Balance of county	
079	000	2		Tuscarawas	157 0000
			039 6	Dover	
			085 6	New Philadelphia	
			999 9	Balance of county	
080	072	1	999 9	Union	159 1840
081	000	2		Van Wert	161 0000
			132 6	Van Wert	
			999 9	Balance of county	
082	000	2	999 9	Vinton	163 0000
083	065	1		Warren	165 1640
			052 6	Franklin	
			999 9	Balance of county	
084	221	1		Washington	167 6020
			072 6	Marietta	
			999 9	Balance of county	
085	000	2		Wayne	169 0000
			146 6	Wooster	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
36					Ohio	39	
	086	000	2	999	9 Williams		171 0000
	087	291	1		Wood		173 8400
				016	5 Bowling Green		
				051	6 Fostoria, part		
				100	6 Perrysburg		
				999	9 Balance of county		
	088	000	2	999	9 Wyandot		175 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
37					Oklahoma	40	
	001	000	2	999 9	Adair	001	0000
	002	000	2	999 9	Alfalfa	003	0000
	003	000	2	999 9	Atoka	005	0000
	004	000	2	999 9	Beaver	007	0000
	005	000	2	999 9	Beckham	009	0000
	006	000	2	999 9	Blaine	011	0000
	007	000	2		Bryan	013	0000
				011 6	Durant		
				999 9	Balance of county		
	008	000	2	999 9	Caddo	015	0000
	009	213	1		Canadian	017	5880
				013 6	El Reno		
				023 2	Oklahoma City, part		
				033 6	Yukon		
				999 9	Balance of county		
	010	000	2		Carter	019	0000
				003 6	Ardmore		
				999 9	Balance of county		
	011	000	2	999 9	Cherokee	021	0000
	012	000	2	999 9	Choctaw	023	0000
	013	000	2	999 9	Cimarron	025	0000
	014	213	1		Cleveland	027	5880
				020 5	Moore		
				022 4	Norman		
				023 2	Oklahoma City, part		
				999 9	Balance of county		
	015	000	2	999 9	Coal	029	0000
	016	166	1		Comanche	031	4200
				016 4	Lawton		
				999 9	Balance of county		
	017	000	2	999 9	Cotton	033	0000
	018	000	2	999 9	Craig	035	0000
	019	295	1		Creek	037	8560
				027 6	Sapulpa		
				999 9	Balance of county		
	020	000	2	999 9	Custer	039	0000
	021	000	2	999 9	Delaware	041	0000
	022	000	2	999 9	Dewey	043	0000
	023	000	2	999 9	Ellis	045	0000
	024	092	1		Garfield	047	2340
				014 4	Enid		
				999 9	Balance of county		
	025	000	2	999 9	Garvin	049	0000
	026	000	2		Grady	051	0000
				007 6	Chickasha		
				999 9	Balance of county		
	027	000	2	999 9	Grant	053	0000
	028	000	2	999 9	Greer	055	0000
	029	000	2	999 9	Harmon	057	0000
	030	000	2	999 9	Harper	059	0000
	031	000	2	999 9	Haskell	061	0000
	032	000	2	999 9	Hughes	063	0000
	033	000	2		Jackson	065	0000
				002 6	Altus		
				999 9	Balance of county		
	034	000	2	999 9	Jefferson	067	0000
	035	000	2	999 9	Johnston	069	0000
	036	000	2		Kay	071	0000
				025 5	Ponca City		
				999 9	Balance of county		
	037	000	2	999 9	Kingfisher	073	0000
	038	000	2	999 9	Kiowa	075	0000
	039	000	2	999 9	Latimer	077	0000
	040	000	2	999 9	Le Flore	079	0000
	041	000	2	999 9	Lincoln	081	0000
	042	213	1		Logan	083	5880
				015 6	Guthrie		
				999 9	Balance of county		
	043	000	2	999 9	Love	085	0000
	044	213	1		McClain	087	5880
				023 2	Oklahoma City, part		
				999 9	Balance of county		
	045	000	2	999 9	McCurtain	089	0000
	046	000	2	999 9	McIntosh	091	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
37					Oklahoma	40	
	047	000	2	999 9	Major	093	0000
	048	000	2	999 9	Marshall	095	0000
	049	000	2	999 9	Mayes	097	0000
	050	000	2	999 9	Murray	099	0000
	051	000	2		Muskogee	101	0000
				021 5	Muskogee		
				999 9	Balance of county		
	052	000	2	999 9	Noble	103	0000
	053	000	2	999 9	Nowata	105	0000
	054	000	2	999 9	Okfuskee	107	0000
	055	213	1		Oklahoma	109	5880
				005 6	Bethany		
				009 5	Del City		
				012 5	Edmond		
				019 5	Midwest City		
				023 2	Oklahoma City, part		
				030 6	The Village		
				999 9	Balance of county		
	056	000	2		Okmulgee	111	0000
				024 6	Okmulgee		
				999 9	Balance of county		
	057	295	1		Osage	113	8560
				004 5	Bartlesville, part		
				026 6	Sand Springs, part		
				031 2	Tulsa, part		
				999 9	Balance of county		
	058	000	2		Ottawa	115	0000
				018 6	Miami		
				999 9	Balance of county		
	059	000	2	999 9	Pawnee	117	0000
	060	000	2		Payne	119	0000
				029 5	Stillwater		
				999 9	Balance of county		
	061	000	2		Pittsburg	121	0000
				017 6	McAlester		
				999 9	Balance of county		
	062	000	2		Pontotoc	123	0000
				001 6	Ada		
				999 9	Balance of county		
	063	213	1		Pottawatomie	125	5880
				023 2	Oklahoma City, part		
				028 5	Shawnee		
				999 9	Balance of county		
	064	000	2	999 9	Pushmataha	127	0000
	065	000	2	999 9	Roger Mills	129	0000
	066	295	1		Rogers	131	8560
				008 6	Claremore		
				999 9	Balance of county		
	067	000	2	999 9	Seminole	133	0000
	068	106	1	999 9	Sequoyah	135	2720
	069	000	2		Stephens	137	0000
				010 6	Duncan		
				999 9	Balance of county		
	070	000	2	999 9	Texas	139	0000
	071	000	2	999 9	Tillman	141	0000
	072	295	1		Tulsa	143	8560
				006 5	Broken Arrow, part		
				026 6	Sand Springs, part		
				031 2	Tulsa, part		
				999 9	Balance of county		
	073	295	1		Wagoner	145	8560
				006 5	Broken Arrow, part		
				999 9	Balance of county		
	074	000	2		Washington	147	0000
				004 5	Bartlesville, part		
				999 9	Balance of county		
	075	000	2	999 9	Washita	149	0000
	076	000	2	999 9	Woods	151	0000
	077	000	2		Woodward	153	0000
				032 6	Woodward		
				999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty MSA M/NM City P/S State, County, City, or Country Name

St Cnty MSA

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
38					Oregon	41	
	001	000	2	999 9	Baker	001	0000
	002	000	2		Benton	003	0000
				001 5	Albany, part		
				007 5	Corvallis		
				999 9	Balance of county		
	003	231	1		Clackamas	005	6440
				015 6	Lake Oswego, part		
				019 6	Milwaukie, part		
				021 6	Oregon City		
				023 2	Portland, part		
				028 6	West Linn		
				999 9	Balance of county		
	004	000	2	999 9	Clatsop	007	0000
	005	000	2	999 9	Columbia	009	0000
	006	000	2		Coos	011	0000
				006 6	Coos Bay		
				999 9	Balance of county		
	007	000	2	999 9	Crook	013	0000
	008	000	2	999 9	Curry	015	0000
	009	000	2		Deschutes	017	0000
				004 6	Bend		
				999 9	Balance of county		
	010	000	2		Douglas	019	0000
				024 6	Roseburg		
				999 9	Balance of county		
	011	000	2	999 9	Gilliam	021	0000
	012	000	2	999 9	Grant	023	0000
	013	000	2	999 9	Harney	025	0000
	014	000	2	999 9	Hood River	027	0000
	015	183	1		Jackson	029	4890
				002 6	Ashland		
				018 5	Medford		
				999 9	Balance of county		
	016	000	2	999 9	Jefferson	031	0000
	017	000	2		Josephine	033	0000
				010 6	Grants Pass		
				999 9	Balance of county		
	018	000	2		Klamath	035	0000
				013 6	Klamath Falls		
				999 9	Balance of county		
	019	000	2	999 9	Lake	037	0000
	020	094	1		Lane	039	2400
				008 3	Eugene		
				026 5	Springfield		
				999 9	Balance of county		
	021	000	2	999 9	Lincoln	041	0000
	022	000	2		Linn	043	0000
				001 5	Albany, part		
				016 6	Lebanon		
				999 9	Balance of county		
	023	000	2	999 9	Malheur	045	0000
	024	255	1		Marion	047	7080
				025 4	Salem, part		
				029 6	Woodburn		
				999 9	Balance of county		
	025	000	2	999 9	Morrow	049	0000
	026	231	1		Multnomah	051	6440
				011 5	Gresham		
				015 6	Lake Oswego, part		
				019 6	Milwaukie, part		
				023 2	Portland, part		
				999 9	Balance of county		
	027	255	1		Polk	053	7080
				025 4	Salem, part		
				999 9	Balance of county		
	028	000	2	999 9	Sherman	055	0000
	029	000	2	999 9	Tillamook	057	0000
	030	000	2		Umatilla	059	0000
				022 6	Pendleton		
				999 9	Balance of county		
	031	000	2		Union	061	0000
				014 6	La Grande		
				999 9	Balance of county		
	032	000	2	999 9	Wallowa	063	0000

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
38					Oregon	41	
	033	000	2		Wasco		065 0000
				005	6 City of the Dalles		
				999	9 Balance of county		
	034	231	1		Washington		067 6440
				003	5 Beaverton		
				009	6 Forest Grove		
				012	5 Hillsboro		
				015	6 Lake Oswego, part		
				023	2 Portland, part		
				027	6 Tigard		
				999	9 Balance of county		
	035	000	2		Wheeler		069 0000
	036	231	1		Yamhill		071 6440
				017	6 McMinnville		
				020	6 Newberg		
				999	9 Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
39					Pennsylvania	42	
	001	317	1	999 9	Adams		001 9280
	002	228	1		Allegheny		003 6280
				006 6	Baldwin		
				008 6	Bellevue		
				011 5	Bethel Park		
				015 6	Brentwood		
				022 6	Carnegie		
				023 6	Castle Shannon		
				027 6	Clairton		
				033 6	Dormont		
				035 6	Duquesne		
				039 6	Elizabeth township		
				047 6	Harrison township		
				069 5	McCandless township		
				070 5	McKeesport		
				079 5	Monroeville		
				080 5	Mount Lebanon township		
				082 6	Munhall		
				092 6	North Versailles township		
				095 4	Penn Hills township		
				098 2	Pittsburgh		
				099 5	Plum		
				106 5	Ross township		
				108 6	Scott township		
				110 5	Shaler township		
				113 6	South Park township		
				122 6	Swissvale		
				131 6	Upper St. Clair township		
				138 5	West Mifflin		
				140 6	Whitehall		
				144 6	Wilkinsburg		
				999 9	Balance of county		
	003	000	2	999 9	Armstrong		005 0000
	004	030	1		Beaver		007 0845
				002 6	Aliquippa		
				007 6	Beaver Falls		
				999 9	Balance of county		
	005	000	2	999 9	Bedford		009 0000
	006	240	1		Berks		011 6680
				081 6	Muhlenberg township		
				104 4	Reading		
				999 9	Balance of county		
	007	008	1		Blair		013 0280
				004 4	Altoona		
				999 9	Balance of county		
	008	000	2	999 9	Bradford		015 0000
	009	225	1		Bucks		017 6160
				009 4	Bensalem township		
				016 6	Bristol		
				017 4	Bristol township		
				043 5	Falls township		
				068 6	Lower Southampton township		
				075 5	Middletown township		
				090 5	Northampton township		
				132 6	Upper Southampton township		
				133 5	Warminster township		
				999 9	Balance of county		
	010	000	2		Butler		019 0000
				018 6	Butler		
				999 9	Balance of county		
	011	144	1		Cambria		021 3680
				054 5	Johnstown		
				999 9	Balance of county		
	012	000	2	999 9	Cameron		023 0000
	013	007	1	999 9	Carbon		025 0240
	014	282	1		Centre		027 8050
				118 5	State College		
				999 9	Balance of county		
	015	225	1		Chester		029 6160
				028 6	Coatesville		
				097 6	Phoenixville		
				124 6	Tredyffrin township		
				136 6	West Chester		
				137 6	West Goshen township		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes	
Vital Statistics Codes					St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
39				Pennsylvania	42	
			999 9	Balance of county		
016	000	2	999 9	Clarion	031	0000
017	000	2	999 9	Clearfield	033	0000
018	000	2	999 9	Clinton	035	0000
019	269	1		Columbia	037	7560
			010 6	Berwick		
			013 6	Bloomsburg		
			999 9	Balance of county		
020	000	2		Crawford	039	0000
			073 6	Meadville		
			999 9	Balance of county		
021	125	1		Cumberland	041	3240
			021 6	Carlisle		
			038 6	East Pennsboro township		
			062 6	Lower Allen township		
			999 9	Balance of county		
022	125	1		Dauphin	043	3240
			046 4	Harrisburg		
			066 5	Lower Paxton township		
			074 6	Middletown		
			120 6	Susquehanna township		
			121 6	Swatara township		
			999 9	Balance of county		
023	225	1		Delaware	045	6160
			005 6	Aston township		
			026 5	Chester		
			031 6	Darby		
			032 6	Darby township		
			049 4	Haverford township		
			059 6	Lansdowne		
			072 6	Marple township		
			076 6	Middletown township		
			085 6	Nether Providence township		
			088 6	Newtown township		
			103 5	Radnor township		
			105 5	Ridley township		
			115 5	Springfield township		
			126 6	Upper Chichester township		
			127 4	Upper Darby township		
			146 6	Yeadon		
			999 9	Balance of county		
024	000	2	999 9	Elk	047	0000
025	093	1		Erie	049	2360
			042 3	Erie		
			077 5	Millcreek township		
			999 9	Balance of county		
026	228	1		Fayette	051	6280
			030 6	Connellsville		
			125 6	Uniontown		
			999 9	Balance of county		
027	000	2	999 9	Forest	053	0000
028	000	2		Franklin	055	0000
			024 6	Chambersburg		
			999 9	Balance of county		
029	000	2	999 9	Fulton	057	0000
030	000	2	999 9	Greene	059	0000
031	000	2	999 9	Huntingdon	061	0000
032	000	2		Indiana	063	0000
			052 6	Indiana		
			999 9	Balance of county		
033	000	2	999 9	Jefferson	065	0000
034	000	2	999 9	Juniata	067	0000
035	269	1		Lackawanna	069	7560
			020 6	Carbondale		
			034 6	Dunmore		
			109 4	Scranton		
			999 9	Balance of county		
036	160	1		Lancaster	071	4000
			029 6	Columbia		
			041 6	Ephrata		
			056 4	Lancaster		
			057 6	Lancaster township		
			071 5	Manheim township		
			999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
39						Pennsylvania	42
	037	000	2			Lawrence	073 0000
				086	5	New Castle	
				999	9	Balance of county	
	038	125	1			Lebanon	075 3240
				061	5	Lebanon	
				999	9	Balance of county	
	039	007	1			Lehigh	077 0240
				003	3	Allentown	
				012	4	Bethlehem, part	
				040	6	Emmaus	
				107	6	Salisbury township	
				141	6	Whitehall township	
				999	9	Balance of county	
	040	269	1			Luzerne	079 7560
				050	5	Hazleton	
				055	6	Kingston	
				084	6	Nanticoke	
				143	4	Wilkes-Barre	
				999	9	Balance of county	
	041	312	1			Lycoming	081 9140
				145	5	Williamsport	
				999	9	Balance of county	
	042	000	2			McKean	083 0000
				014	6	Bradford	
				999	9	Balance of county	
	043	271	1			Mercer	085 7610
				112	6	Sharon	
				999	9	Balance of county	
	044	000	2			Mifflin	087 0000
	045	269	1			Monroe	089 7560
	046	225	1			Montgomery	091 6160
				001	4	Abington township	
				025	5	Cheltenham township	
				036	6	East Norriton township	
				048	6	Hatfield township	
				058	6	Lansdale	
				064	4	Lower Merion township	
				065	6	Lower Moreland township	
				067	6	Lower Providence township	
				089	5	Norristown	
				100	6	Plymouth township	
				101	6	Pottstown	
				116	5	Springfield township	
				123	6	Towamencin township	
				128	6	Upper Dublin township	
				129	5	Upper Merion township	
				130	5	Upper Moreland township	
				139	6	West Norriton township	
				142	6	Whitemarsh township	
				999	9	Balance of county	
	047	000	2			Montour	093 0000
	048	007	1			Northampton	095 0240
				012	4	Bethlehem, part	
				037	5	Easton	
				094	6	Palmer township	
				999	9	Balance of county	
	049	000	2			Northumberland	097 0000
				111	6	Shamokin	
				119	6	Sunbury	
				999	9	Balance of county	
	050	125	1			Perry	099 3240
	051	225	1			Philadelphia, coext. with Philadelphia city	101 6160
	052	000	2			Pike	103 0000
	053	000	2			Potter	105 0000
	054	000	2			Schuylkill	107 0000
				102	6	Pottsville	
				999	9	Balance of county	
	055	000	2			Snyder	109 0000
	056	144	1			Somerset	111 3680
	057	000	2			Sullivan	113 0000
	058	000	2			Susquehanna	115 0000
	059	000	2			Tioga	117 0000
	060	000	2			Union	119 0000
	061	000	2			Venango	121 0000
				093	6	Oil City	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
39						Pennsylvania	42	
				999	9	Balance of county		
062	000	2				Warren	123	0000
				134	6	Warren		
				999	9	Balance of county		
063	228	1				Washington	125	6280
				019	6	Canonsburg		
				135	6	Washington		
				999	9	Balance of county		
064	000	2				Wayne	127	0000
065	228	1				Westmoreland	129	6280
				044	6	Greensburg		
				051	5	Hempfield township		
				053	6	Jeannette		
				060	6	Latrobe		
				063	6	Lower Burrell		
				078	6	Monessen		
				083	6	Municipality of Murrysville		
				087	6	New Kensington		
				091	5	North Huntingdon township		
				999	9	Balance of county		
066	269	1				Wyoming	131	7560
067	317	1				York	133	9280
				045	6	Hanover		
				114	6	Springettsbury township		
				117	6	Spring Garden township		
				147	5	York		
				999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes		
Vital Statistics Codes						MSA		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA	
40					Rhode Island	44		
	001	234	1		Bristol	001	6483	
			001	6	Barrington town			
			002	6	Bristol town			
			014	6	Warren town			
			999	9	Balance of county			
	002	234	1		Kent	003	6483	
			004	5	Coventry town			
			015	4	Warwick			
			016	5	West Warwick town			
			999	9	Balance of county			
	003	000	2		Newport	005	0000	
			009	6	Middletown town			
			010	5	Newport			
			999	9	Balance of county			
	004	234	1		Providence	007	6483	
			003	6	Central Falls			
			005	4	Cranston			
			006	5	Cumberland town			
			007	4	East Providence			
			008	6	Johnston town			
			011	5	North Providence town			
			012	4	Pawtucket			
			013	3	Providence			
			017	5	Woonsocket			
			999	9	Balance of county			
	005	234	1	999	9	Washington	009	6483

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State	County	City	MSA
41				South Carolina			45
	001	000	2	999	9	Abbeville	001 0000
	002	021	1			Aiken	003 0600
				001	6	Aiken	
				019	6	North Augusta	
				999	9	Balance of county	
	003	000	2	999	9	Allendale	005 0000
	004	013	1			Anderson	007 0405
				002	5	Anderson	
				999	9	Balance of county	
	005	000	2	999	9	Bamberg	009 0000
	006	000	2	999	9	Barnwell	011 0000
	007	000	2	999	9	Beaufort	013 0000
	008	057	1			Berkeley	015 1440
				011	6	Goose Creek	
				015	6	Hanahan	
				999	9	Balance of county	
	009	000	2	999	9	Calhoun	017 0000
	010	057	1			Charleston	019 1440
				004	4	Charleston	
				017	6	Mount Pleasant	
				020	4	North Charleston	
				999	9	Balance of county	
	011	000	2			Cherokee	021 0000
				009	6	Gaffney	
				999	9	Balance of county	
	012	000	2	999	9	Chester	023 0000
	013	000	2	999	9	Chesterfield	025 0000
	014	000	2	999	9	Clarendon	027 0000
	015	000	2	999	9	Colleton	029 0000
	016	000	2	999	9	Darlington	031 0000
	017	000	2	999	9	Dillon	033 0000
	018	057	1	999	9	Dorchester	035 1440
	019	000	2	999	9	Edgefield	037 0000
	020	000	2	999	9	Fairfield	039 0000
	021	101	1			Florence	041 2655
				008	5	Florence	
				999	9	Balance of county	
	022	000	2			Georgetown	043 0000
				010	6	Georgetown	
				999	9	Balance of county	
	023	122	1			Greenville	045 3160
				012	4	Greenville	
				014	6	Greer, part	
				999	9	Balance of county	
	024	000	2			Greenwood	047 0000
				013	6	Greenwood	
				999	9	Balance of county	
	025	000	2	999	9	Hampton	049 0000
	026	000	2			Horry	051 0000
				006	6	Conway	
				018	6	Myrtle Beach	
				999	9	Balance of county	
	027	000	2	999	9	Jasper	053 0000
	028	000	2	999	9	Kershaw	055 0000
	029	000	2	999	9	Lancaster	057 0000
	030	000	2			Laurens	059 0000
				016	6	Laurens	
				999	9	Balance of county	
	031	000	2	999	9	Lee	061 0000
	032	070	1			Lexington	063 1760
				003	6	Cayce	
				026	6	West Columbia	
				999	9	Balance of county	
	033	000	2	999	9	McCormick	065 0000
	034	000	2	999	9	Marion	067 0000
	035	000	2	999	9	Marlboro	069 0000
	036	000	2	999	9	Newberry	071 0000
	037	000	2	999	9	Oconee	073 0000
	038	000	2			Orangeburg	075 0000
				021	6	Orangeburg	
				999	9	Balance of county	
	039	122	1			Pickens	077 3160
				007	6	Easley	
				999	9	Balance of county	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					
Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
41				South Carolina	45
040	070	1		Richland	079 1760
			005 3	Columbia	
			999 9	Balance of county	
041	000	2	999 9	Saluda	081 0000
042	122	1		Spartanburg	083 3160
			014 6	Greer, part	
			023 5	Spartanburg	
			999 9	Balance of county	
043	000	2		Sumter	085 0000
			024 6	Sumter	
			999 9	Balance of county	
044	000	2		Union	087 0000
			025 6	Union	
			999 9	Balance of county	
045	000	2	999 9	Williamsburg	089 0000
046	059	1		York	091 1520
			022 5	Rock Hill	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
42					South Dakota	46	
	001	000	2	999	9 Aurora	003	0000
	002	000	2		Beadle	005	0000
				003	6 Huron		
				999	9 Balance of county		
	003	000	2	999	9 Bennett	007	0000
	004	000	2	999	9 Bon Homme	009	0000
	005	000	2		Brookings	011	0000
				002	6 Brookings		
				999	9 Balance of county		
	006	000	2		Brown	013	0000
				001	5 Aberdeen		
				999	9 Balance of county		
	007	000	2	999	9 Brule	015	0000
	008	000	2	999	9 Buffalo	017	0000
	009	000	2	999	9 Butte	019	0000
	010	000	2	999	9 Campbell	021	0000
	011	000	2	999	9 Charles Mix	023	0000
	012	000	2	999	9 Clark	025	0000
	013	000	2		Clay	027	0000
				008	6 Vermillion		
				999	9 Balance of county		
	014	000	2		Codington	029	0000
				009	6 Watertown		
				999	9 Balance of county		
	015	000	2	999	9 Corson	031	0000
	016	000	2	999	9 Custer	033	0000
	017	000	2		Davison	035	0000
				004	6 Mitchell		
				999	9 Balance of county		
	018	000	2	999	9 Day	037	0000
	019	000	2	999	9 Deuel	039	0000
	020	000	2	999	9 Dewey	041	0000
	021	000	2	999	9 Douglas	043	0000
	022	000	2	999	9 Edmunds	045	0000
	023	000	2	999	9 Fall River	047	0000
	024	000	2	999	9 Faulk	049	0000
	025	000	2	999	9 Grant	051	0000
	026	000	2	999	9 Gregory	053	0000
	027	000	2	999	9 Haakon	055	0000
	028	000	2	999	9 Hamlin	057	0000
	029	000	2	999	9 Hand	059	0000
	030	000	2	999	9 Hanson	061	0000
	031	000	2	999	9 Harding	063	0000
	032	000	2		Hughes	065	0000
				005	6 Pierre		
				999	9 Balance of county		
	033	000	2	999	9 Hutchinson	067	0000
	034	000	2	999	9 Hyde	069	0000
	035	000	2	999	9 Jackson	071	0000
	036	000	2	999	9 Jerauld	073	0000
	037	000	2	999	9 Jones	075	0000
	038	000	2	999	9 Kingsbury	077	0000
	039	000	2	999	9 Lake	079	0000
	040	000	2	999	9 Lawrence	081	0000
	041	000	2		Lincoln	083	0000
				007	4 Sioux Falls, part		
				999	9 Balance of county		
	042	000	2	999	9 Lyman	085	0000
	043	000	2	999	9 McCook	087	0000
	044	000	2	999	9 McPherson	089	0000
	045	000	2	999	9 Marshall	091	0000
	046	000	2	999	9 Meade	093	0000
	047	000	2	999	9 Mellette	095	0000
	048	000	2	999	9 Miner	097	0000
	049	276	1		Minnehaha	099	7760
				007	4 Sioux Falls, part		
				999	9 Balance of county		
	050	000	2	999	9 Moody	101	0000
	051	239	1		Pennington	103	6660
				006	5 Rapid City		
				999	9 Balance of county		
	052	000	2	999	9 Perkins	105	0000
	053	000	2	999	9 Potter	107	0000
	054	000	2	999	9 Roberts	109	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

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

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						Page 95	
Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
43					Tennessee	47	
001	152	1			Anderson	001	3840
			031	5	Oak Ridge, part		
			999	9	Balance of county		
002	000	2			Bedford	003	0000
			034	6	Shelbyville		
			999	9	Balance of county		
003	000	2	999	9	Benton	005	0000
004	000	2	999	9	Bledsoe	007	0000
005	152	1			Blount	009	3840
			025	6	Maryville		
			999	9	Balance of county		
006	000	2			Bradley	011	0000
			006	5	Cleveland		
			999	9	Balance of county		
007	000	2	999	9	Campbell	013	0000
008	000	2	999	9	Cannon	015	0000
009	000	2	999	9	Carroll	017	0000
010	143	1			Carter	019	3660
			011	6	Elizabethton		
			019	5	Johnson City, part		
			999	9	Balance of county		
011	200	1	999	9	Cheatham	021	5360
012	000	2	999	9	Chester	023	0000
013	000	2	999	9	Claiborne	025	0000
014	000	2	999	9	Clay	027	0000
015	000	2	999	9	Cocke	029	0000
016	000	2			Coffee	031	0000
			036	6	Tullahoma, part		
			999	9	Balance of county		
017	000	2	999	9	Crockett	033	0000
018	000	2	999	9	Cumberland	035	0000
019	200	1			Davidson	037	5360
			030	2	Nashville-Davidson		
			999	9	Balance of county		
020	000	2	999	9	Decatur	039	0000
021	000	2	999	9	De Kalb	041	0000
022	200	1	999	9	Dickson	043	5360
023	000	2			Dyer	045	0000
			009	6	Dyersburg		
			999	9	Balance of county		
024	000	2	999	9	Fayette	047	0000
025	000	2	999	9	Fentress	049	0000
026	000	2			Franklin	051	0000
			036	6	Tullahoma, part		
			999	9	Balance of county		
027	000	2			Gibson	053	0000
			017	6	Humboldt		
			999	9	Balance of county		
028	000	2	999	9	Giles	055	0000
029	152	1	999	9	Grainger	057	3840
030	000	2			Greene	059	0000
			015	6	Greeneville		
			999	9	Balance of county		
031	000	2	999	9	Grundy	061	0000
032	000	2			Hamblen	063	0000
			028	6	Morristown		
			999	9	Balance of county		
033	061	1			Hamilton	065	1560
			004	3	Chattanooga		
			010	6	East Ridge		
			033	6	Red Bank		
			999	9	Balance of county		
034	000	2	999	9	Hancock	067	0000
035	000	2	999	9	Hardeman	069	0000
036	000	2	999	9	Hardin	071	0000
037	143	1			Hawkins	073	3660
			020	5	Kingsport, part		
			999	9	Balance of county		
038	000	2	999	9	Haywood	075	0000
039	000	2	999	9	Henderson	077	0000
040	000	2			Henry	079	0000
			032	6	Paris		
			999	9	Balance of county		
041	000	2	999	9	Hickman	081	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
43					Tennessee	47	
	042	000	2	999 9	Houston	083	0000
	043	000	2	999 9	Humphreys	085	0000
	044	000	2	999 9	Jackson	087	0000
	045	152	1	999 9	Jefferson	089	3840
	046	000	2	999 9	Johnson	091	0000
	047	152	1		Knox	093	3840
				021 3	Knoxville		
				999 9	Balance of county		
	048	000	2	999 9	Lake	095	0000
	049	000	2	999 9	Lauderdale	097	0000
	050	000	2		Lawrence	099	0000
				022 6	Lawrenceburg		
				999 9	Balance of county		
	051	000	2	999 9	Lewis	101	0000
	052	000	2	999 9	Lincoln	103	0000
	053	000	2	999 9	Loudon	105	0000
	054	000	2		McMinn	107	0000
				001 6	Athens		
				999 9	Balance of county		
	055	000	2	999 9	McNairy	109	0000
	056	000	2	999 9	Macon	111	0000
	057	137	1		Madison	113	3580
				018 5	Jackson		
				999 9	Balance of county		
	058	061	1	999 9	Marion	115	1560
	059	000	2	999 9	Marshall	117	0000
	060	000	2		Maury	119	0000
				007 5	Columbia		
				999 9	Balance of county		
	061	000	2	999 9	Meigs	121	0000
	062	000	2	999 9	Monroe	123	0000
	063	066	1		Montgomery	125	1660
				005 4	Clarksville		
				999 9	Balance of county		
	064	000	2	999 9	Moore	127	0000
	065	000	2	999 9	Morgan	129	0000
	066	000	2		Obion	131	0000
				037 6	Union City		
				999 9	Balance of county		
	067	000	2	999 9	Overton	133	0000
	068	000	2	999 9	Perry	135	0000
	069	000	2	999 9	Pickett	137	0000
	070	000	2	999 9	Polk	139	0000
	071	000	2		Putnam	141	0000
				008 6	Cookeville		
				999 9	Balance of county		
	072	000	2	999 9	Rhea	143	0000
	073	000	2		Roane	145	0000
				031 5	Oak Ridge, part		
				999 9	Balance of county		
	074	200	1		Robertson	147	5360
				035 6	Springfield		
				999 9	Balance of county		
	075	200	1		Rutherford	149	5360
				029 5	Murfreesboro		
				999 9	Balance of county		
	076	000	2	999 9	Scott	151	0000
	077	061	1	999 9	Sequatchie	153	1560
	078	152	1	999 9	Sevier	155	3840
	079	185	1		Shelby	157	4920
				002 6	Bartlett		
				014 6	Germentown		
				026 1	Memphis		
				027 6	Millington		
				999 9	Balance of county		
	080	000	2	999 9	Smith	159	0000
	081	000	2	999 9	Stewart	161	0000
	082	143	1		Sullivan	163	3660
				003 6	Bristol		
				020 5	Kingsport, part		
				999 9	Balance of county		
	083	200	1		Sumner	165	5360
				013 6	Gallatin		
				016 5	Hendersonville		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
43				Tennessee	47
			999 9	Balance of county	
084	185	1	999 9	Tipton	167 4920
085	000	2	999 9	Trousdale	169 0000
086	143	1	999 9	Unicoi	171 3660
087	152	1	999 9	Union	173 3840
088	000	2	999 9	Van Buren	175 0000
089	000	2		Warren	177 0000
			024 6	McMinnville	
			999 9	Balance of county	
090	143	1		Washington	179 3660
			019 5	Johnson City, part	
			999 9	Balance of county	
091	000	2	999 9	Wayne	181 0000
092	000	2	999 9	Weakley	183 0000
093	000	2	999 9	White	185 0000
094	200	1		Williamson	187 5360
			012 6	Franklin	
			999 9	Balance of county	
095	200	1		Wilson	189 5360
			023 6	Lebanon	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name			FIPS Codes		
St	Cnty	MSA	M/NM	City	P/S		St	Cnty	MSA
44						Texas	48		
	001	000	2			Anderson		001	0000
				103	6	Palestine			
				999	9	Balance of county			
	002	000	2			Andrews		003	0000
				005	6	Andrews			
				999	9	Balance of county			
	003	000	2			Angelina		005	0000
				086	5	Lufkin			
				999	9	Balance of county			
	004	000	2			Aransas		007	0000
	005	000	2			Archer		009	0000
				151	4	Wichita Falls, part			
				999	9	Balance of county			
	006	000	2			Armstrong		011	0000
	007	000	2			Atascosa		013	0000
	008	000	2			Austin		015	0000
	009	000	2			Bailey		017	0000
	010	000	2			Bandera		019	0000
	011	000	2			Bastrop		021	0000
	012	000	2			Baylor		023	0000
	013	000	2			Bee		025	0000
				015	6	Beeville			
				999	9	Balance of county			
	014	151	1			Bell		027	3810
				017	6	Belton			
				073	5	Killeen			
				132	5	Temple			
				999	9	Balance of county			
	015	259	1			Bexar		029	7240
				121	1	San Antonio			
				138	6	Universal City			
				999	9	Balance of county			
	016	000	2			Blanco		031	0000
	017	000	2			Borden		033	0000
	018	000	2			Bosque		035	0000
	019	290	1			Bowie		037	8360
				134	5	Texarkana			
				999	9	Balance of county			
	020	045	1			Brazoria		039	1145
				003	6	Alvin			
				006	6	Angleton			
				053	6	Freeport			
				075	6	Lake Jackson			
				107	6	Pearland, part			
				999	9	Balance of county			
	021	049	1			Brazos		041	1260
				025	5	Bryan			
				031	5	College Station			
				999	9	Balance of county			
	022	000	2			Brewster		043	0000
	023	000	2			Briscoe		045	0000
	024	000	2			Brooks		047	0000
	025	000	2			Brown		049	0000
				024	6	Brownwood			
				999	9	Balance of county			
	026	000	2			Burleson		051	0000
	027	000	2			Burnet		053	0000
	028	000	2			Caldwell		055	0000
	029	000	2			Calhoun		057	0000
				114	6	Port Lavaca			
				999	9	Balance of county			
	030	000	2			Callahan		059	0000
	031	048	1			Cameron		061	1240
				023	4	Brownsville			
				063	5	Harlingen			
				122	6	San Benito			
				999	9	Balance of county			
	032	000	2			Camp		063	0000
	033	000	2			Carson		065	0000
	034	000	2			Cass		067	0000
	035	000	2			Castro		069	0000
	036	000	2			Chambers		071	0000
				012	4	Baytown, part			
				999	9	Balance of county			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
	037	000	2	Cherokee	073 0000
			070 6	Jacksonville	
			999 9	Balance of county	
	038	000	2	Childress	075 0000
	039	000	2	Clay	077 0000
	040	000	2	Cochran	079 0000
	041	000	2	Coke	081 0000
	042	000	2	Coleman	083 0000
	043	075	1	Collin	085 1920
			029 5	Carrollton, part	
			036 1	Dallas, part	
			057 3	Garland, part	
			088 6	McKinney	
			111 4	Plano, part	
			116 4	Richardson, part	
			999 9	Balance of county	
	044	000	2	Collingsworth	087 0000
	045	000	2	Colorado	089 0000
	046	259	1	Comal	091 7240
			099 6	New Braunfels, part	
			999 9	Balance of county	
	047	000	2	Comanche	093 0000
	048	000	2	Concho	095 0000
	049	000	2	Cooke	097 0000
			055 6	Gainesville	
			999 9	Balance of county	
	050	151	1	Coryell	099 3810
			033 6	Copperas Cove	
			999 9	Balance of county	
	051	000	2	Cottle	101 0000
	052	000	2	Crane	103 0000
	053	000	2	Crockett	105 0000
	054	000	2	Crosby	107 0000
	055	000	2	Culberson	109 0000
	056	000	2	Dallam	111 0000
	057	075	1	Dallas	113 1920
			010 6	Balch Springs	
			029 5	Carrollton, part	
			036 1	Dallas, part	
			041 6	De Soto	
			043 5	Duncanville	
			050 6	Farmers Branch	
			057 3	Garland, part	
			058 4	Grand Prairie, part	
			059 6	Grapevine, part	
			069 3	Irving	
			078 6	Lancaster	
			091 4	Mesquite	
			116 4	Richardson, part	
			139 6	University Park	
			999 9	Balance of county	
	058	000	2	Dawson	115 0000
			077 6	Lamesa	
			999 9	Balance of county	
	059	000	2	Deaf Smith	117 0000
			065 6	Hereford	
			999 9	Balance of county	
	060	000	2	Delta	119 0000
	061	075	1	Denton	121 1920
			029 5	Carrollton, part	
			036 1	Dallas, part	
			040 5	Denton	
			083 6	Lewisville	
			111 4	Plano, part	
			136 6	The Colony	
			999 9	Balance of county	
	062	000	2	De Witt	123 0000
	063	000	2	Dickens	125 0000
	064	000	2	Dimmit	127 0000
	065	000	2	Donley	129 0000
	066	000	2	Duval	131 0000
	067	000	2	Eastland	133 0000
	068	212	1	Ector	135 5800
			101 4	Odessa	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	St Cnty	MSA
44							48
						Texas	
				999	9		Balance of county
069	000	2		999	9		Edwards 137 0000
070	075	1					Ellis 139 1920
				048	6		Ennis
				058	4		Grand Prairie, part
				146	6		Waxahachie
				999	9		Balance of county
071	089	1					El Paso 141 2320
				047	2		El Paso
				999	9		Balance of county
072	000	2					Erath 143 0000
				128	6		Stephenville
				999	9		Balance of county
073	000	2		999	9		Falls 145 0000
074	000	2		999	9		Fannin 147 0000
075	000	2		999	9		Fayette 149 0000
076	000	2		999	9		Fisher 151 0000
077	000	2		999	9		Floyd 153 0000
078	000	2		999	9		Foard 155 0000
079	130	1					Fort Bend 157 3360
				066	0		Houston, part
				095	6		Missouri City, part
				118	6		Rosenberg
				999	9		Balance of county
080	000	2		999	9		Franklin 159 0000
081	000	2		999	9		Freestone 161 0000
082	000	2		999	9		Frio 163 0000
083	000	2		999	9		Gaines 165 0000
084	113	1					Galveston 167 2920
				054	6		Friendswood, part
				056	4		Galveston
				076	6		La Marque
				081	6		League City
				135	5		Texas City
				999	9		Balance of county
085	000	2		999	9		Garza 169 0000
086	000	2		999	9		Gillespie 171 0000
087	000	2		999	9		Glasscock 173 0000
088	000	2		999	9		Goliad 175 0000
089	000	2		999	9		Gonzales 177 0000
090	000	2					Gray 179 0000
				104	6		Pampa
				999	9		Balance of county
091	273	1					Grayson 181 7640
				039	6		Denison
				125	5		Sherman
				999	9		Balance of county
092	172	1					Gregg 183 4420
				072	6		Kilgore, part
				084	4		Longview, part
				999	9		Balance of county
093	000	2		999	9		Grimes 185 0000
094	259	1					Guadalupe 187 7240
				099	6		New Braunfels, part
				124	6		Seguin
				999	9		Balance of county
095	000	2					Hale 189 0000
				110	6		Plainview
				999	9		Balance of county
096	000	2		999	9		Hall 191 0000
097	000	2		999	9		Hamilton 193 0000
098	000	2		999	9		Hansford 195 0000
099	000	2		999	9		Hardeman 197 0000
100	029	1		999	9		Hardin 199 0840
101	130	1					Harris 201 3360
				012	4		Baytown, part
				016	6		Bellaire
				037	6		Deer Park
				054	6		Friendswood, part
				066	0		Houston, part
				079	6		La Porte
				095	6		Missouri City, part
				106	3		Pasadena
				107	6		Pearland, part

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
			127 6	South Houston	
			149 6	West University Place	
			999 9	Balance of county	
102	172	1		Harrison	203 4420
			084 4	Longview, part	
			089 6	Marshall	
			999 9	Balance of county	
103	000	2	999 9	Hartley	205 0000
104	000	2	999 9	Haskell	207 0000
105	023	1		Hays	209 0640
			123 6	San Marcos	
			999 9	Balance of county	
106	000	2	999 9	Hemphill	211 0000
107	000	2		Henderson	213 0000
			008 6	Athens	
			999 9	Balance of county	
108	182	1		Hidalgo	215 4880
			045 6	Edinburg	
			087 4	McAllen	
			090 6	Mercedes	
			094 6	Mission	
			109 6	Pharr	
			148 6	Weslaco	
			999 9	Balance of county	
109	000	2	999 9	Hill	217 0000
110	000	2		Hockley	219 0000
			082 6	Levelland	
			999 9	Balance of county	
111	000	2	999 9	Hood	221 0000
112	000	2		Hopkins	223 0000
			129 6	Sulphur Springs	
			999 9	Balance of county	
113	000	2	999 9	Houston	225 0000
114	000	2		Howard	227 0000
			019 6	Big Spring	
			999 9	Balance of county	
115	000	2	999 9	Hudspeth	229 0000
116	000	2		Hunt	231 0000
			060 6	Greenville	
			999 9	Balance of county	
117	000	2		Hutchinson	233 0000
			020 6	Borger	
			999 9	Balance of county	
118	000	2	999 9	Irion	235 0000
119	000	2	999 9	Jack	237 0000
120	000	2	999 9	Jackson	239 0000
121	000	2	999 9	Jasper	241 0000
122	000	2	999 9	Jeff Davis	243 0000
123	029	1		Jefferson	245 0840
			013 3	Beaumont	
			061 6	Groves	
			098 6	Nederland	
			112 4	Port Arthur	
			115 6	Port Neches	
			999 9	Balance of county	
124	000	2	999 9	Jim Hogg	247 0000
125	000	2		Jim Wells	249 0000
			002 6	Alice	
			999 9	Balance of county	
126	109	1		Johnson	251 2800
			027 6	Burleson, part	
			030 6	Cleburne	
			999 9	Balance of county	
127	000	2		Jones	253 0000
			001 4	Abilene, part	
			999 9	Balance of county	
128	000	2	999 9	Karnes	255 0000
129	075	1		Kaufman	257 1920
			036 1	Dallas, part	
			133 6	Terrell	
			999 9	Balance of county	
130	000	2	999 9	Kendall	259 0000
131	000	2	999 9	Kenedy	261 0000
132	000	2	999 9	Kent	263 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes	
Vital Statistics Codes					St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
44					Texas	48
	133	000	2		Kerr	265 0000
			071	6	Kerrville	
			999	9	Balance of county	
	134	000	2	999	9 Kimble	267 0000
	135	000	2	999	9 King	269 0000
	136	000	2	999	9 Kinney	271 0000
	137	000	2		Kleberg	273 0000
			034	3	Corpus Christi, part	
			074	5	Kingsville	
			999	9	Balance of county	
	138	000	2	999	9 Knox	275 0000
	139	000	2		Lamar	277 0000
			105	5	Paris	
			999	9	Balance of county	
	140	000	2	999	9 Lamb	279 0000
	141	000	2	999	9 Lampasas	281 0000
	142	000	2	999	9 La Salle	283 0000
	143	000	2	999	9 Lavaca	285 0000
	144	000	2	999	9 Lee	287 0000
	145	000	2	999	9 Leon	289 0000
	146	130	1	999	9 Liberty	291 3360
	147	000	2	999	9 Limestone	293 0000
	148	000	2	999	9 Lipscomb	295 0000
	149	000	2	999	9 Live Oak	297 0000
	150	000	2	999	9 Llano	299 0000
	151	000	2	999	9 Loving	301 0000
	152	176	1		Lubbock	303 4600
			085	3	Lubbock	
			999	9	Balance of county	
	153	000	2	999	9 Lynn	305 0000
	154	000	2	999	9 McCulloch	307 0000
	155	304	1		McLennan	309 8800
			144	3	Waco	
			999	9	Balance of county	
	156	000	2	999	9 McMullen	311 0000
	157	000	2	999	9 Madison	313 0000
	158	000	2	999	9 Marion	315 0000
	159	000	2	999	9 Martin	317 0000
	160	000	2	999	9 Mason	319 0000
	161	000	2		Matagorda	321 0000
			011	6	Bay City	
			999	9	Balance of county	
	162	000	2		Maverick	323 0000
			044	6	Eagle Pass	
			999	9	Balance of county	
	163	000	2	999	9 Medina	325 0000
	164	000	2	999	9 Menard	327 0000
	165	189	1		Midland	329 5040
			092	4	Midland	
			999	9	Balance of county	
	166	000	2	999	9 Milam	331 0000
	167	000	2	999	9 Mills	333 0000
	168	000	2	999	9 Mitchell	335 0000
	169	000	2	999	9 Montague	337 0000
	170	130	1		Montgomery	339 3360
			032	6	Conroe	
			066	0	Houston, part	
			999	9	Balance of county	
	171	000	2		Moore	341 0000
			042	6	Dumas	
			999	9	Balance of county	
	172	000	2	999	9 Morris	343 0000
	173	000	2	999	9 Motley	345 0000
	174	000	2		Nacogdoches	347 0000
			097	5	Nacogdoches	
			999	9	Balance of county	
	175	000	2		Navarro	349 0000
			035	6	Corsicana	
			999	9	Balance of county	
	176	000	2	999	9 Newton	351 0000
	177	000	2		Nolan	353 0000
			130	6	Sweetwater	
			999	9	Balance of county	
	178	073	1		Nueces	355 1880
			034	3	Corpus Christi, part	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes		FIPS Codes			
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
44			Texas	48	
		113 6	Portland, part		
		117 6	Robstown		
		999 9	Balance of county		
179	000	2 999 9	Ochiltree	357	0000
180	000	2 999 9	Oldham	359	0000
181	029	1	Orange	361	0840
		102 6	Orange		
		143 6	Vidor		
		999 9	Balance of county		
182	000	2	Palo Pinto	363	0000
		093 6	Mineral Wells, part		
		999 9	Balance of county		
183	000	2 999 9	Panola	365	0000
184	109	1	Parker	367	2800
		093 6	Mineral Wells, part		
		147 6	Weatherford		
		999 9	Balance of county		
185	000	2 999 9	Parmer	369	0000
186	000	2 999 9	Pecos	371	0000
187	000	2 999 9	Polk	373	0000
188	009	1	Potter	375	0320
		004 3	Amarillo, part		
		999 9	Balance of county		
189	000	2 999 9	Presidio	377	0000
190	000	2 999 9	Rains	379	0000
191	009	1	Randall	381	0320
		004 3	Amarillo, part		
		028 6	Canyon		
		999 9	Balance of county		
192	000	2 999 9	Reagan	383	0000
193	000	2 999 9	Real	385	0000
194	000	2 999 9	Red River	387	0000
195	000	2	Reeves	389	0000
		108 6	Pecos		
		999 9	Balance of county		
196	000	2 999 9	Refugio	391	0000
197	000	2 999 9	Roberts	393	0000
198	000	2 999 9	Robertson	395	0000
199	075	1	Rockwall	397	1920
		036 1	Dallas, part		
		057 3	Garland, part		
		999 9	Balance of county		
200	000	2 999 9	Runnels	399	0000
201	000	2	Rusk	401	0000
		064 6	Henderson		
		072 6	Kilgore, part		
		999 9	Balance of county		
202	000	2 999 9	Sabine	403	0000
203	000	2 999 9	San Augustine	405	0000
204	000	2 999 9	San Jacinto	407	0000
205	073	1	San Patricio	409	1880
		034 3	Corpus Christi, part		
		113 6	Portland, part		
		999 9	Balance of county		
206	000	2 999 9	San Saba	411	0000
207	000	2 999 9	Schleicher	413	0000
208	000	2	Scurry	415	0000
		126 6	Snyder		
		999 9	Balance of county		
209	000	2 999 9	Shackelford	417	0000
210	000	2 999 9	Shelby	419	0000
211	000	2 999 9	Sherman	421	0000
212	297	1	Smith	423	8640
		137 4	Tyler		
		999 9	Balance of county		
213	000	2 999 9	Somervell	425	0000
214	000	2 999 9	Starr	427	0000
215	000	2 999 9	Stephens	429	0000
216	000	2 999 9	Sterling	431	0000
217	000	2 999 9	Stonewall	433	0000
218	000	2 999 9	Sutton	435	0000
219	000	2 999 9	Swisher	437	0000
220	109	1	Tarrant	439	2800
		007 3	Arlington		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
			014 6	Bedford	
			018 6	Benbrook	
			027 6	Burleson, part	
			049 6	Eules	
			051 6	Forest Hill	
			052 2	Fort Worth	
			058 4	Grand Prairie, part	
			059 6	Grapevine, part	
			062 5	Haltem City	
			068 5	Hurst	
			100 5	North Richland Hills	
			145 6	Watauga	
			150 6	White Settlement	
			999 9	Balance of county	
221	001	1		Taylor	441 0040
			001 4	Abilene, part	
			999 9	Balance of county	
222	000	2	999 9	Terrell	443 0000
223	000	2		Terry	445 0000
			022 6	Brownfield	
			999 9	Balance of county	
224	000	2	999 9	Throckmorton	447 0000
225	000	2		Titus	449 0000
			096 6	Mount Pleasant	
			999 9	Balance of county	
226	258	1		Tom Green	451 7200
			120 4	San Angelo	
			999 9	Balance of county	
227	023	1		Travis	453 0640
			009 2	Austin, part	
			119 6	Round Rock, part	
			999 9	Balance of county	
228	000	2	999 9	Trinity	455 0000
229	000	2	999 9	Tyler	457 0000
230	000	2	999 9	Upshur	459 0000
231	000	2	999 9	Upton	461 0000
232	000	2		Uvalde	463 0000
			140 6	Uvalde	
			999 9	Balance of county	
233	000	2		Val Verde	465 0000
			038 5	Del Rio	
			999 9	Balance of county	
234	000	2	999 9	Van Zandt	467 0000
235	301	1		Victoria	469 8750
			142 4	Victoria	
			999 9	Balance of county	
236	000	2		Walker	471 0000
			067 6	Huntsville	
			999 9	Balance of county	
237	130	1	999 9	Waller	473 3360
238	000	2	999 9	Ward	475 0000
239	000	2		Washington	477 0000
			021 6	Brenham	
			999 9	Balance of county	
240	162	1		Webb	479 4080
			080 4	Laredo	
			999 9	Balance of county	
241	000	2		Wharton	481 0000
			046 6	El Campo	
			999 9	Balance of county	
242	000	2	999 9	Wheeler	483 0000
243	311	1		Wichita	485 9080
			026 6	Burkburnett	
			151 4	Wichita Falls, part	
			999 9	Balance of county	
244	000	2		Wilbarger	487 0000
			141 6	Vernon	
			999 9	Balance of county	
245	000	2	999 9	Willacy	489 0000
246	023	1		Williamson	491 0640
			009 2	Austin, part	
			119 6	Round Rock, part	
			131 6	Taylor	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
44					Texas	48	
	247	000	2	999	9 Wilson		493 0000
	248	000	2	999	9 Winkler		495 0000
	249	000	2	999	9 Wise		497 0000
	250	000	2	999	9 Wood		499 0000
	251	000	2	999	9 Yoakum		501 0000
	252	000	2	999	9 Young		503 0000
	253	000	2	999	9 Zapata		505 0000
	254	000	2	999	9 Zavala		507 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State	County	City	MSA
45				Utah			49
	001	000	2	999	9	Beaver	001 0000
	002	000	2			Box Elder	003 0000
				003	6	Brigham City	
				999	9	Balance of county	
	003	000	2			Cache	005 0000
				007	5	Logan	
				999	9	Balance of county	
	004	000	2	999	9	Carbon	007 0000
	005	000	2	999	9	Daggett	009 0000
	006	257	1			Davis	011 7160
				002	5	Bountiful	
				005	6	Clearfield	
				006	6	Layton	
				999	9	Balance of county	
	007	000	2	999	9	Duchesne	013 0000
	008	000	2	999	9	Emery	015 0000
	009	000	2	999	9	Garfield	017 0000
	010	000	2	999	9	Grand	019 0000
	011	000	2			Iron	021 0000
				004	6	Cedar City	
				999	9	Balance of county	
	012	000	2	999	9	Juab	023 0000
	013	000	2	999	9	Kane	025 0000
	014	000	2	999	9	Millard	027 0000
	015	000	2	999	9	Morgan	029 0000
	016	000	2	999	9	Piute	031 0000
	017	000	2	999	9	Rich	033 0000
	018	257	1			Salt Lake	035 7160
				008	6	Midvale	
				009	5	Murray	
				016	3	Salt Lake City	
				017	4	Sandy City	
				019	6	South Salt Lake	
				022	5	West Jordan	
				999	9	Balance of county	
	019	000	2	999	9	San Juan	037 0000
	020	000	2	999	9	Sanpete	039 0000
	021	000	2	999	9	Sevier	041 0000
	022	000	2	999	9	Summit	043 0000
	023	000	2			Tooele	045 0000
				021	6	Tooele	
				999	9	Balance of county	
	024	000	2	999	9	Uintah	047 0000
	025	235	1			Utah	049 6520
				001	6	American Fork	
				011	4	Orem	
				012	6	Pleasant Grove	
				013	4	Provo	
				020	6	Springville	
				999	9	Balance of county	
	026	000	2	999	9	Wasatch	051 0000
	027	000	2			Washington	053 0000
				015	6	St. George	
				999	9	Balance of county	
	028	000	2	999	9	Wayne	055 0000
	029	257	1			Weber	057 7160
				010	4	Ogden	
				014	6	Roy	
				018	6	South Ogden	
				999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes		
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
46						Vermont	50	
	001	000	2	999	9	Addison	001	0000
	002	000	2	999	9	Bennington	003	0000
	003	000	2	999	9	Caledonia	005	0000
	004	052	1			Chittenden	007	1303
				001	5	Burlington		
				003	6	South Burlington		
				999	9	Balance of county		
	005	000	2	999	9	Essex	009	0000
	006	000	2	999	9	Franklin	011	0000
	007	052	1	999	9	Grand Isle	013	1303
	008	000	2	999	9	Lamoille	015	0000
	009	000	2	999	9	Orange	017	0000
	010	000	2	999	9	Orleans	019	0000
	011	000	2			Rutland	021	0000
				002	6	Rutland		
				999	9	Balance of county		
	012	000	2	999	9	Washington	023	0000
	013	000	2	999	9	Windham	025	0000
	014	000	2	999	9	Windsor	027	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
47				Virginia				51	
	001	000	2 999 9		Accomack			001	0000
	002	060	1 999 9		Albemarle			003	1540
	003	305	1 001 3		Alexandria city			510	8840
	004	000	2 999 9		Alleghany			005	0000
	005	000	2 999 9		Amelia			007	0000
	006	177	1 999 9		Amherst			009	4640
	007	000	2 999 9		Appomattox			011	0000
	008	305	1		Arlington			013	8840
				002	3	Arlington			
	009	000	2 999 9		Augusta			015	0000
	010	000	2 999 9		Bath			017	0000
	011	000	2 999 9		Bedford			019	0000
	012	000	2 999 9		Bedford city			515	0000
	013	000	2 999 9		Bland			021	0000
	014	246	1 999 9		Botetourt			023	6800
	015	143	1 004 6		Bristol city			520	3660
	016	000	2 999 9		Brunswick			025	0000
	017	000	2 999 9		Buchanan			027	0000
	018	000	2 999 9		Buckingham			029	0000
	019	000	2 999 9		Buena Vista city			530	0000
	020	177	1 999 9		Campbell			031	4640
	021	000	2 999 9		Caroline			033	0000
	022	000	2 999 9		Carroll			035	0000
	023	244	1 999 9		Charles City			036	6760
	024	000	2 999 9		Charlotte			037	0000
	025	060	1 005 5		Charlottesville city			540	1540
	026	209	1 006 3		Chesapeake city			550	5720
	027	244	1 999 9		Chesterfield			041	6760
	028	000	2 999 9		Clarke			043	0000
	029	000	2 999 9		Clifton Forge city			560	0000
	030	244	1 008 6		Colonial Heights city			570	6760
	031	000	2 999 9		Covington city			580	0000
	032	000	2 999 9		Craig			045	0000
	033	000	2 999 9		Culpeper			047	0000
	034	000	2 999 9		Cumberland			049	0000
	035	076	1 009 5		Danville city			590	1950
	036	000	2 999 9		Dickenson			051	0000
	037	244	1 999 9		Dinwiddie			053	6760
	038	000	2 999 9		Emporia city			595	0000
	039	000	2 999 9		Essex			057	0000
	040	305	1		Fairfax			059	8840
				015	6	Herndon			
				031	6	Vienna			
				999	9	Balance of county			
	041	305	1 010 6		Fairfax city			600	8840
	042	305	1 999 9		Falls Church city			610	8840
	043	000	2 999 9		Fauquier			061	0000
	044	000	2 999 9		Floyd			063	0000
	045	060	1 999 9		Fluvanna			065	1540
	046	000	2 999 9		Franklin			067	0000
	047	000	2 999 9		Franklin city			620	0000
	048	000	2 999 9		Frederick			069	0000
	049	000	2 011 6		Fredericksburg city			630	0000
	050	000	2 999 9		Galax city			640	0000
	051	000	2 999 9		Giles			071	0000
	052	209	1 999 9		Gloucester			073	5720
	053	244	1 999 9		Goochland			075	6760
	054	000	2 999 9		Grayson			077	0000
	055	060	1 999 9		Greene			079	1540
	056	000	2 999 9		Greensville			081	0000
	057	000	2 999 9		Halifax			083	0000
	058	209	1 013 3		Hampton city			650	5720
	059	244	1 999 9		Hanover			085	6760
	060	000	2 014 6		Harrisonburg city			660	0000
	061	244	1 999 9		Henrico			087	6760
	062	000	2 999 9		Henry			089	0000
	063	000	2 999 9		Highland			091	0000
	064	244	1 016 6		Hopewell city			670	6760
	065	000	2 999 9		Isle of Wight			093	0000
	066	209	1 999 9		James City			095	5720
	067	000	2 999 9		King and Queen			097	0000
	068	000	2 999 9		King George			099	0000
	069	000	2 999 9		King William			101	0000
	070	000	2 999 9		Lancaster			103	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
47					Virginia	51	
	071	000	2	999	9 Lee	105	0000
	072	000	2	999	9 Lexington city	678	0000
	073	305	1	999	9 Loudoun	107	8840
	074	000	2	999	9 Louisa	109	0000
	075	000	2	999	9 Lunenburg	111	0000
	076	177	1	017	4 Lynchburg city	680	4640
	077	000	2	999	9 Madison	113	0000
	078	305	1	018	6 Manassas city	683	8840
	079	305	1	999	9 Manassas Park city	685	8840
	080	000	2	019	6 Martinsville city	690	0000
	081	000	2	999	9 Mathews	115	0000
	082	000	2	999	9 Mecklenburg	117	0000
	083	000	2	999	9 Middlesex	119	0000
	084	000	2		Montgomery	121	0000
				003	5 Blacksburg		
				007	6 Christiansburg		
				999	9 Balance of county		
	085	000	2	999	9 Nelson	125	0000
	086	244	1	999	9 New Kent	127	6760
	087	209	1	020	3 Newport News city	700	5720
	088	209	1	021	2 Norfolk city	710	5720
	089	000	2	999	9 Northampton	131	0000
	090	000	2	999	9 Northumberland	133	0000
	091	000	2	999	9 Norton city	720	0000
	092	000	2	999	9 Nottoway	135	0000
	093	000	2	999	9 Orange	137	0000
	094	000	2	999	9 Page	139	0000
	095	000	2	999	9 Patrick	141	0000
	096	244	1	022	5 Petersburg city	730	6760
	097	076	1	999	9 Pittsylvania	143	1950
	098	209	1	999	9 Poquoson city	735	5720
	099	209	1	023	3 Portsmouth city	740	5720
	100	244	1	999	9 Powhatan	145	6760
	101	000	2	999	9 Prince Edward	147	0000
	102	244	1	999	9 Prince George	149	6760
	103	305	1	999	9 Prince William	153	8840
	104	000	2		Pulaski	155	0000
				024	6 Pulaski		
				999	9 Balance of county		
	105	000	2	025	6 Radford city	750	0000
	106	000	2	999	9 Rappahannock	157	0000
	107	000	2	999	9 Richmond	159	0000
	108	244	1	026	3 Richmond city	760	6760
	109	246	1	999	9 Roanoke	161	6800
	110	246	1	027	3 Roanoke city	770	6800
	111	000	2	999	9 Rockbridge	163	0000
	112	000	2	999	9 Rockingham	165	0000
	113	000	2	999	9 Russell	167	0000
	114	246	1	028	6 Salem city	775	6800
	115	143	1	999	9 Scott	169	3660
	116	000	2	999	9 Shenandoah	171	0000
	117	000	2	999	9 Smyth	173	0000
	118	000	2	999	9 Southampton	175	0000
	119	000	2	999	9 South Boston city	780	0000
	120	000	2	999	9 Spotsylvania	177	0000
	121	305	1	999	9 Stafford	179	8840
	122	000	2	029	6 Staunton city	790	0000
	123	209	1	030	5 Suffolk city	800	5720
	124	000	2	999	9 Surry	181	0000
	125	000	2	999	9 Sussex	183	0000
	126	000	2	999	9 Tazewell	185	0000
	127	209	1	032	2 Virginia Beach city	810	5720
	128	000	2		Warren	187	0000
				012	6 Front Royal		
				999	9 Balance of county		
	129	143	1	999	9 Washington	191	3660
	130	000	2	033	6 Waynesboro city	820	0000
	131	000	2	999	9 Westmoreland	193	0000
	132	209	1	999	9 Williamsburg city	830	5720
	133	000	2	034	6 Winchester city	840	0000
	134	000	2	999	9 Wise	195	0000
	135	000	2	999	9 Wythe	197	0000
	136	209	1	999	9 York	199	5720

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St Cnty	MSA	M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
48				Washington				53	
	001	000	2 999 9		Adams				001 0000
	002	000	2 999 9		Asotin				003 0000
	003	243	1		Benton				005 6740
			011 5		Kennewick				
			029 5		Richland				
			999 9		Balance of county				
	004	000	2		Chelan				007 0000
			035 6		Wenatchee				
			999 9		Balance of county				
	005	000	2		Clallam				009 0000
			024 6		Port Angeles				
			999 9		Balance of county				
	006	300	1		Clark				011 8725
			033 5		Vancouver				
			999 9		Balance of county				
	007	000	2 999 9		Columbia				013 0000
	008	000	2		Cowlitz				015 0000
			010 6		Kelso				
			015 5		Longview				
			999 9		Balance of county				
	009	000	2 999 9		Douglas				017 0000
	010	000	2 999 9		Ferry				019 0000
	011	243	1		Franklin				021 6740
			023 6		Pasco				
			999 9		Balance of county				
	012	000	2 999 9		Garfield				023 0000
	013	000	2		Grant				025 0000
			018 6		Moses Lake				
			999 9		Balance of county				
	014	000	2		Grays Harbor				027 0000
			001 6		Aberdeen				
			999 9		Balance of county				
	015	000	2		Island				029 0000
			021 6		Oak Harbor				
			999 9		Balance of county				
	016	000	2 999 9		Jefferson				031 0000
	017	270	1		King				033 7600
			002 5		Auburn				
			003 4		Bellevue				
			012 6		Kent				
			013 6		Kirkland				
			017 6		Mercer Island				
			027 6		Redmond				
			028 5		Renton				
			030 2		Seattle				
			999 9		Balance of county				
	018	046	1		Kitsap				035 1150
			005 5		Bremerton				
			999 9		Balance of county				
	019	000	2		Kittitas				037 0000
			008 6		Ellensburg				
			999 9		Balance of county				
	020	000	2 999 9		Klickitat				039 0000
	021	000	2		Lewis				041 0000
			006 6		Centralia				
			999 9		Balance of county				
	022	000	2 999 9		Lincoln				043 0000
	023	000	2 999 9		Mason				045 0000
	024	000	2 999 9		Okanogan				047 0000
	025	000	2 999 9		Pacific				049 0000
	026	000	2 999 9		Pend Oreille				051 0000
	027	286	1		Pierce				053 8200
			026 6		Puyallup				
			032 3		Tacoma				
			999 9		Balance of county				
	028	000	2 999 9		San Juan				055 0000
	029	000	2		Skagit				057 0000
			020 6		Mount Vernon				
			999 9		Balance of county				
	030	000	2 999 9		Skamania				059 0000
	031	270	1		Snohomish				061 7600
			007 5		Edmonds				
			009 4		Everett				
			016 6		Lynnwood				

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name		
48					Washington		53
				019 6	Mountlake Terrace		
				999 9	Balance of county		
032	278	1			Spokane	063	7840
				031 3	Spokane		
				999 9	Balance of county		
033	000	2		999 9	Stevens	065	0000
034	214	1			Thurston	067	5910
				014 6	Lacey		
				022 5	Olympia		
				999 9	Balance of county		
035	000	2		999 9	Wahkiakum	069	0000
036	000	2			Walla Walla	071	0000
				034 5	Walla Walla		
				999 9	Balance of county		
037	031	1			Whatcom	073	0860
				004 5	Bellingham		
				999 9	Balance of county		
038	000	2			Whitman	075	0000
				025 6	Pullman		
				999 9	Balance of county		
039	316	1			Yakima	077	9260
				036 5	Yakima		
				999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
49					West Virginia	54	
	001	000	2	999	9	Barbour	001 0000
	002	000	2			Berkeley	003 0000
				007	6	Martinsburg	
				999	9	Balance of county	
	003	000	2	999	9	Boone	005 0000
	004	000	2	999	9	Braxton	007 0000
	005	283	1			Brooke	009 8080
				014	6	Weirton, part	
				999	9	Balance of county	
	006	131	1			Cabell	011 3400
				006	4	Huntington, part	
				999	9	Balance of county	
	007	000	2	999	9	Calhoun	013 0000
	008	000	2	999	9	Clay	015 0000
	009	000	2	999	9	Doddridge	017 0000
	010	000	2	999	9	Fayette	019 0000
	011	000	2	999	9	Gilmer	021 0000
	012	000	2	999	9	Grant	023 0000
	013	000	2	999	9	Greenbrier	025 0000
	014	000	2	999	9	Hampshire	027 0000
	015	283	1			Hancock	029 8080
				014	6	Weirton, part	
				999	9	Balance of county	
	016	000	2	999	9	Hardy	031 0000
	017	000	2			Harrison	033 0000
				004	6	Clarksburg	
				999	9	Balance of county	
	018	000	2	999	9	Jackson	035 0000
	019	000	2	999	9	Jefferson	037 0000
	020	058	1			Kanawha	039 1480
				003	4	Charleston	
				011	6	St. Albans	
				012	6	South Charleston	
				999	9	Balance of county	
	021	000	2	999	9	Lewis	041 0000
	022	000	2	999	9	Lincoln	043 0000
	023	000	2	999	9	Logan	045 0000
	024	000	2	999	9	McDowell	047 0000
	025	000	2			Marion	049 0000
				005	6	Fairmont	
				999	9	Balance of county	
	026	309	1			Marshall	051 9000
				009	6	Moundsville	
				015	5	Wheeling, part	
				999	9	Balance of county	
	027	000	2	999	9	Mason	053 0000
	028	000	2			Mercer	055 0000
				002	6	Bluefield	
				999	9	Balance of county	
	029	074	1	999	9	Mineral	057 1900
	030	000	2	999	9	Mingo	059 0000
	031	000	2			Monongalia	061 0000
				008	5	Morgantown	
				999	9	Balance of county	
	032	000	2	999	9	Monroe	063 0000
	033	000	2	999	9	Morgan	065 0000
	034	000	2	999	9	Nicholas	067 0000
	035	309	1			Ohio	069 9000
				015	5	Wheeling, part	
				999	9	Balance of county	
	036	000	2	999	9	Pendleton	071 0000
	037	000	2	999	9	Pleasants	073 0000
	038	000	2	999	9	Pocahontas	075 0000
	039	000	2	999	9	Preston	077 0000
	040	058	1	999	9	Putnam	079 1480
	041	000	2			Raleigh	081 0000
				001	6	Beckley	
				999	9	Balance of county	
	042	000	2	999	9	Randolph	083 0000
	043	000	2	999	9	Ritchie	085 0000
	044	000	2	999	9	Roane	087 0000
	045	000	2	999	9	Summers	089 0000
	046	000	2	999	9	Taylor	091 0000
	047	000	2	999	9	Tucker	093 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
49					West Virginia	54	
	048	000	2	999	9 Tyler		095 0000
	049	000	2	999	9 Upshur		097 0000
	050	131	1		Wayne		099 3400
				006	4 Huntington, part		
				999	9 Balance of county		
	051	000	2	999	9 Webster		101 0000
	052	000	2	999	9 Wetzel		103 0000
	053	000	2	999	9 Wirt		105 0000
	054	221	1		Wood		107 6020
				010	5 Parkersburg		
				013	6 Vienna		
				999	9 Balance of county		
	055	000	2	999	9 Wyoming		109 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
50					Wisconsin	55	
	001	000	2	999 9	Adams	001	0000
	002	000	2	999 9	Ashland	003	0000
	003	000	2	999 9	Barron	005	0000
	004	000	2	999 9	Bayfield	007	0000
	005	120	1		Brown	009	3080
				001 6	Allouez town		
				003 6	Ashwaubenon		
				010 6	De Pere		
				016 4	Green Bay		
				999 9	Balance of county		
	006	000	2	999 9	Buffalo	011	0000
	007	000	2	999 9	Burnett	013	0000
	008	016	1		Calumet	015	0460
				002 4	Appleton, part		
				999 9	Balance of county		
	009	088	1		Chippewa	017	2290
				008 6	Chippewa Falls		
				011 4	Eau Claire, part		
				999 9	Balance of county		
	010	000	2	999 9	Clark	019	0000
	011	000	2	999 9	Columbia	021	0000
	012	000	2	999 9	Crawford	023	0000
	013	179	1		Dane	025	4720
				023 3	Madison		
				031 6	Middleton		
				045 6	Sun Prairie		
				999 9	Balance of county		
	014	000	2		Dodge	027	0000
				004 6	Beaver Dam		
				048 6	Watertown, part		
				999 9	Balance of county		
	015	000	2	999 9	Door	029	0000
	016	087	1		Douglas	031	2240
				046 5	Superior		
				999 9	Balance of county		
	017	000	2		Dunn	033	0000
				029 6	Menomonie		
				999 9	Balance of county		
	018	088	1		Eau Claire	035	2290
				011 4	Eau Claire, part		
				999 9	Balance of county		
	019	000	2	999 9	Florence	037	0000
	020	000	2		Fond du Lac	039	0000
				012 5	Fond du Lac		
				999 9	Balance of county		
	021	000	2	999 9	Forest	041	0000
	022	000	2	999 9	Grant	043	0000
	023	000	2		Green	045	0000
				033 6	Monroe		
				999 9	Balance of county		
	024	000	2	999 9	Green Lake	047	0000
	025	000	2	999 9	Iowa	049	0000
	026	000	2	999 9	Iron	051	0000
	027	000	2	999 9	Jackson	053	0000
	028	000	2		Jefferson	055	0000
				048 6	Watertown, part		
				055 6	Whitewater, part		
				999 9	Balance of county		
	029	000	2	999 9	Juneau	057	0000
	030	150	1		Kenosha	059	3800
				021 4	Kenosha		
				999 9	Balance of county		
	031	000	2	999 9	Kewaunee	061	0000
	032	154	1		La Crosse	063	3870
				022 5	La Crosse		
				999 9	Balance of county		
	033	000	2	999 9	Lafayette	065	0000
	034	000	2	999 9	Langlade	067	0000
	035	000	2	999 9	Lincoln	069	0000
	036	000	2		Manitowoc	071	0000
				024 5	Manitowoc		
				047 6	Two Rivers		
				999 9	Balance of county		
	037	307	1		Marathon	073	8940
				026 6	Marshfield, part		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
50				Wisconsin	55
			050 5	Wausau	
			999 9	Balance of county	
038	000	2		Marinette	075 0000
			025 6	Marinette	
			999 9	Balance of county	
039	000	2	999 9	Marquette	077 0000
040	000	2	999 9	Menominee	078 0000
041	190	1		Milwaukee	079 5080
			007 6	Brown Deer	
			009 6	Cudahy	
			013 6	Franklin	
			015 6	Glendale	
			017 6	Greendale	
			018 5	Greenfield	
			032 1	Milwaukee, part	
			037 6	Oak Creek	
			040 6	St. Francis	
			042 6	Shorewood	
			043 6	South Milwaukee	
			051 4	Wauwatosa	
			052 4	West Allis	
			054 6	Whitefish Bay	
			999 9	Balance of county	
042	000	2	999 9	Monroe	081 0000
043	000	2	999 9	Oconto	083 0000
044	000	2	999 9	Oneida	085 0000
045	016	1		Outagamie	087 0460
			002 4	Appleton, part	
			020 6	Kaukauna	
			999 9	Balance of county	
046	190	1		Ozaukee	089 5080
			030 6	Mequon	
			999 9	Balance of county	
047	000	2	999 9	Pepin	091 0000
048	000	2	999 9	Pierce	093 0000
049	000	2	999 9	Polk	095 0000
050	000	2		Portage	097 0000
			044 6	Stevens Point	
			999 9	Balance of county	
051	000	2	999 9	Price	099 0000
052	237	1		Racine	101 6600
			039 4	Racine	
			999 9	Balance of county	
053	000	2	999 9	Richland	103 0000
054	141	1		Rock	105 3620
			005 5	Beloit	
			019 4	Janesville	
			999 9	Balance of county	
055	000	2	999 9	Rusk	107 0000
056	191	1	999 9	St. Croix	109 5120
057	000	2	999 9	Sauk	111 0000
058	000	2	999 9	Sawyer	113 0000
059	000	2	999 9	Shawano	115 0000
060	272	1		Sheboygan	117 7620
			041 5	Sheboygan	
			999 9	Balance of county	
061	000	2	999 9	Taylor	119 0000
062	000	2	999 9	Trempealeau	121 0000
063	000	2	999 9	Vernon	123 0000
064	000	2	999 9	Vilas	125 0000
065	000	2		Walworth	127 0000
			055 6	Whitewater, part	
			999 9	Balance of county	
066	000	2	999 9	Washburn	129 0000
067	190	1		Washington	131 5080
			014 6	Germantown	
			032 1	Milwaukee, part	
			053 6	West Bend	
			999 9	Balance of county	
068	190	1		Waukesha	133 5080
			006 5	Brookfield	
			028 5	Menomonee Falls	
			034 6	Muskego	
			036 5	New Berlin	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
50						Wisconsin	55		
				049	4	Waukesha			
				999	9	Balance of county			
	069	000	2	999	9	Waupaca		135	0000
	070	000	2	999	9	Waushara		137	0000
	071	016	1			Winnebago		139	0460
				002	4	Appleton, part			
				027	6	Menasha			
				035	6	Neenah			
				038	5	Oshkosh			
				999	9	Balance of county			
	072	000	2			Wood		141	0000
				026	6	Marshfield, part			
				056	6	Wisconsin Rapids			
				999	9	Balance of county			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					
Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
51				Wyoming	56
	001	000	2	Albany	001 0000
			005 6	Laramie	
			999 9	Balance of county	
	002	000	2	Big Horn	003 0000
	003	000	2	Campbell	005 0000
			003 6	Gillette	
			999 9	Balance of county	
	004	000	2	Carbon	007 0000
			006 6	Rawlins	
			999 9	Balance of county	
	005	000	2	Converse	009 0000
	006	000	2	Crook	011 0000
	007	000	2	Fremont	013 0000
	008	000	2	Goshen	015 0000
	009	000	2	Hot Springs	017 0000
	010	000	2	Johnson	019 0000
	011	062	1	Laramie	021 1580
			002 5	Cheyenne	
			999 9	Balance of county	
	012	000	2	Lincoln	023 0000
	013	054	1	Natrona	025 1350
			001 4	Casper	
			999 9	Balance of county	
	014	000	2	Niobrara	027 0000
	015	000	2	Park	029 0000
	016	000	2	Platte	031 0000
	017	000	2	Sheridan	033 0000
			008 6	Sheridan	
			999 9	Balance of county	
	018	000	2	Sublette	035 0000
	019	000	2	Sweetwater	037 0000
			004 6	Green River	
			007 6	Rock Springs	
			999 9	Balance of county	
	020	000	2	Teton	039 0000
	021	000	2	Uinta	041 0000
	022	000	2	Washakie	043 0000
	023	000	2	Weston	045 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
52	ZZZ	ZZZ	Z	ZZZ	Z	Puerto Rico	00	000	0000
53	ZZZ	ZZZ	Z	ZZZ	Z	Virgin Islands	00	000	0000
54	ZZZ	ZZZ	Z	ZZZ	Z	Guam	00	000	0000
55	ZZZ	ZZZ	Z	ZZZ	Z	Canada	00	000	0000
56	ZZZ	ZZZ	Z	ZZZ	Z	Cuba	00	000	0000
57	ZZZ	ZZZ	Z	ZZZ	Z	Mexico	00	000	0000
59	ZZZ	ZZZ	Z	ZZZ	Z	Remainder of World	00	000	0000

List of Metropolitan Statistical Areas  
and their Component Counties

Metropolitan Statistical Areas Established in 1990  
and Adapted for Use by DVS

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	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	001 019 027 039 042 043	Albany-Schenectady-Troy, NY MSA New York Albany Greene Montgomery Rensselaer Saratoga Schenectady	0160	36	001 039 057 083 091 093
005	32	001	Albuquerque, NM MSA New Mexico Bernalillo	0200	35	001
006	19	040	Alexandria, LA MSA Louisiana Rapides	0220	22	079
007	31	021 39 013 039 048	Allentown-Bethlehem-Easton, PA-NJ MSA New Jersey Warren Pennsylvania Carbon Lehigh Northampton	0240	34 42	041 025 077 095
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	05	030	Anaheim-Santa Ana, CA PMSA California Orange	0360	06	059
011	02	002	Anchorage, AK MSA Alaska Anchorage, coext. with Anchorage city	0380	02	020
012	15	048	Anderson, IN MSA Indiana Madison	0400	18	095
013	41	004	Anderson, SC MSA South Carolina Anderson	0405	45	007
014	23	081	Ann Arbor, MI PMSA Michigan Washtenaw	0440	26	161
015	01	008	Anniston, AL MSA Alabama Calhoun	0450	01	015

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
016	50		Appleton-Oshkosh-Neenah, WI MSA	0460		
			Wisconsin		55	
		008	Calumet			015
		045	Outagamie			087
		071	Winnebago			139
017	34		Asheville, NC MSA	0480		
			North Carolina		37	
		011	Buncombe			021
018	11		Athens, GA MSA	0500		
			Georgia		13	
		029	Clarke			059
		078	Jackson			157
		097	Madison			195
		108	Oconee			219
019	11		Atlanta, GA MSA	0520		
			Georgia		13	
		007	Barrow			013
		018	Butts			035
		028	Cherokee			057
		031	Clayton			063
		033	Cobb			067
		038	Coweta			077
		044	De Kalb			089
		048	Douglas			097
		056	Fayette			113
		058	Forsyth			117
		060	Fulton			121
		067	Gwinnett			135
		075	Henry			151
		107	Newton			217
		110	Paulding			223
		122	Rockdale			247
		126	Spalding			255
		147	Walton			297
020	31		Atlantic City, NJ MSA	0560		
			New Jersey		34	
		001	Atlantic			001
		005	Cape May			009
021	11		Augusta, GA-SC MSA	0600		
			Georgia		13	
		036	Columbia			073
		094	McDuffie			189
		121	Richmond			245
	41		South Carolina		45	
		002	Aiken			003
022	14		Aurora-Elgin, IL PMSA	0620		
			Illinois		17	
		045	Kane			089
		047	Kendall			093
023	44		Austin, TX MSA	0640		
			Texas		48	
		105	Hays			209
		227	Travis			453
		246	Williamson			491
024	05		Bakersfield, CA MSA	0680		
			California		06	
		015	Kern			029
025	21		Baltimore, MD MSA	0720		
			Maryland		24	
		002	Anne Arundel			003
		003	Baltimore			005
		004	Baltimore city			510
		007	Carroll			013
		013	Harford			025
		014	Howard			027
		018	Queen Anne's			035

Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
026	20	010	Bangor, ME NECMA Maine Penobscot	0733	23	019
027	19	003 017 032 061	Baton Rouge, LA MSA Louisiana Ascension East Baton Rouge Livingston West Baton Rouge	0760	22	005 033 063 121
028	23	013	Battle Creek, MI MSA Michigan Calhoun	0780	26	025
029	44	100 123 181	Beaumont-Port Arthur, TX MSA Texas Hardin Jefferson Orange	0840	48	199 245 361
030	39	004	Beaver County, PA PMSA Pennsylvania Beaver	0845	42	007
031	48	037	Bellingham, WA MSA Washington Whatcom	0860	53	073
032	23	011	Benton Harbor, MI MSA Michigan Berrien	0870	26	021
033	31	002 016	Bergen-Passaic, NJ PMSA New Jersey Bergen Passaic	0875	34	003 031
034	27	056	Billings, MT MSA Montana Yellowstone	0880	30	111
035	25	023 024	Biloxi-Gulfport, MS MSA Mississippi Hancock Harrison	0920	28	045 047
036	33	003 050	Binghamton, NY MSA New York Broome Tioga	0960	36	007 107
037	01	005 037 058 059 064	Birmingham, AL MSA Alabama Blount Jefferson St. Clair Shelby Walker	1000	01	009 073 115 117 127
038	35	008 030	Bismarck, ND MSA North Dakota Burleigh Morton	1010	38	015 059
039	15	053	Bloomington, IN MSA Indiana Monroe	1020	18	105
040	14	057	Bloomington-Normal, IL MSA Illinois McLean	1040	17	113
041	13	001	Boise City, ID MSA Idaho Ada	1080	16	001

Vital Statistics Codes					FIPS Codes		
Area	State	County	Area Name and County Components		Area	State	Cnty
042	22		Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA Massachusetts		1123	25	
		005	Essex				009
		009	Middlesex				017
		011	Norfolk				021
		012	Plymouth				023
		013	Suffolk				025
043	06		Boulder-Longmont, CO PMSA Colorado		1125	08	
		007	Boulder				013
044	10		Bradenton, FL MSA Florida		1140	12	
		041	Manatee				081
045	44		Brazoria, TX PMSA Texas		1145	48	
		020	Brazoria				039
046	48		Bremerton, WA MSA Washington		1150	53	
		018	Kitsap				035
047	07		Bridgeport-Stamford-Norwalk-Danbury, CT NECMA Connecticut		1163	09	
		001	Fairfield				001
048	44		Brownsville-Harlingen, TX MSA Texas		1240	48	
		031	Cameron				061
049	44		Bryan-College Station, TX MSA Texas		1260	48	
		021	Brazos				041
050	33		Buffalo, NY PMSA New York		1280	36	
		014	Erie				029
051	34		Burlington, NC MSA North Carolina		1300	37	
		001	Alamance				001
052	46		Burlington, VT NECMA Vermont		1303	50	
		004	Chittenden				007
		007	Grand Isle				013
053	36		Canton, OH MSA Ohio		1320	39	
		010	Carroll				019
		076	Stark				151
054	51		Casper, WY MSA Wyoming		1350	56	
		013	Natrona				025
055	16		Cedar Rapids, IA MSA Iowa		1360	19	
		057	Linn				113
056	14		Champaign-Urbana-Rantoul, IL MSA Illinois		1400	17	
		010	Champaign				019
057	41		Charleston, SC MSA South Carolina		1440	45	
		008	Berkeley				015
		010	Charleston				019
		018	Dorchester				035
058	49		Charleston, WV MSA West Virginia		1480	54	
		020	Kanawha				039
		040	Putnam				079

Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
059			Charlotte-Gastonia-Rock Hill, NC-SC MSA	1520		
	34		North Carolina		37	
		013	Cabarrus			025
		036	Gaston			071
		055	Lincoln			109
		060	Mecklenburg			119
		080	Rowan			159
		090	Union			179
	41		South Carolina		45	
		046	York			091
060			Charlottesville, VA MSA	1540		
	47		Virginia		51	
		002	Albemarle			003
		025	Charlottesville city			540
		045	Fluvanna			065
		055	Greene			079
061			Chattanooga, TN-GA MSA	1560		
	11		Georgia		13	
		023	Catoosa			047
		041	Dade			083
		146	Walker			295
	43		Tennessee		47	
		033	Hamilton			065
		058	Marion			115
		077	Sequatchie			153
062			Cheyenne, WY MSA	1580		
	51		Wyoming		56	
		011	Laramie			021
063			Chicago, IL PMSA	1600		
	14		Illinois		17	
		016	Cook			031
		022	Du Page			043
		056	McHenry			111
064			Chico, CA MSA	1620		
	05		California		06	
		004	Butte			007
065			Cincinnati, OH-KY-IN PMSA	1640		
	15		Indiana		18	
		015	Dearborn			029
	18		Kentucky		21	
		008	Boone			015
		019	Campbell			037
		059	Kenton			117
	36		Ohio		39	
		013	Clermont			025
		031	Hamilton			061
		083	Warren			165
066			Clarksville-Hopkinsville, TN-KY MSA	1660		
	18		Kentucky		21	
		024	Christian			047
	43		Tennessee		47	
		063	Montgomery			125
067			Cleveland, OH PMSA	1680		
	36		Ohio		39	
		018	Cuyahoga			035
		028	Geauga			055
		043	Lake			085
		052	Medina			103
068			Colorado Springs, CO MSA	1720		
	06		Colorado		08	
		021	El Paso			044
069			Columbia, MO MSA	1740		
	26		Missouri		29	
		010	Boone			019

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
070	41		Columbia, SC MSA	1760		
			South Carolina		45	
		032	Lexington			063
		040	Richland			079
071	01		Columbus, GA-AL MSA	1800		
			Alabama		01	
		057	Russell			113
	11		Georgia		13	
		026	Chattahoochee			053
		106	Muscogee			215
072	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
		080	Union			159
073	44		Corpus Christi, TX MSA	1880		
			Texas		48	
		178	Nueces			355
		205	San Patricio			409
074	21		Cumberland, MD-WV MSA	1900		
			Maryland		24	
		001	Allegany			001
	49		West Virginia		54	
		029	Mineral			057
075	44		Dallas, TX PMSA	1920		
			Texas		48	
		043	Collin			085
		057	Dallas			113
		061	Denton			121
		070	Ellis			139
		129	Kaufman			257
		199	Rockwall			397
076	47		Danville, VA MSA	1950		
			Virginia		51	
		035	Danville city			590
		097	Pittsylvania			143
077	14		Davenport-Rock Island-Moline, IA-IL MSA	1960		
			Illinois		17	
		037	Henry			073
		081	Rock Island			161
	16		Iowa		19	
		082	Scott			163
078	36		Dayton-Springfield, OH MSA	2000		
			Ohio		39	
		012	Clark			023
		029	Greene			057
		055	Miami			109
		057	Montgomery			113
079	10		Daytona Beach, FL MSA	2020		
			Florida		12	
		064	Volusia			127
080	01		Decatur, AL MSA	2030		
			Alabama		01	
		040	Lawrence			079
		052	Morgan			103
081	14		Decatur, IL MSA	2040		
			Illinois		17	
		058	Macon			115

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
082	06		Denver, CO PMSA	2080	08	
		001	Colorado			001
		003	Adams			005
		016	Arapahoe			031
		018	Denver, coext. with Denver city			035
		030	Douglas			059
			Jefferson			
083	16		Des Moines, IA MSA	2120	19	
			Iowa			
		025	Dallas			049
		077	Polk			153
		091	Warren			181
084	23		Detroit, MI PMSA	2160	26	
			Michigan			
		044	Lapeer			087
		047	Livingston			093
		050	Macomb			099
		058	Monroe			115
		063	Oakland			125
		074	St. Clair			147
		082	Wayne			163
085	01		Dothan, AL MSA	2180	01	
			Alabama			
		023	Dale			045
		035	Houston			069
086	16		Dubuque, IA MSA	2200	19	
			Iowa			
		031	Dubuque			061
087	24		Duluth, MN-WI MSA	2240	27	
			Minnesota			
		069	St. Louis			137
		50	Wisconsin			55
		016	Douglas			031
088	50		Eau Claire, WI MSA	2290	55	
			Wisconsin			
		009	Chippewa			017
		018	Eau Claire			035
089	44		El Paso, TX MSA	2320	48	
			Texas			
		071	El Paso			141
090	15		Elkhart-Goshen, IN MSA	2330	18	
			Indiana			
		020	Elkhart			039
091	33		Elmira, NY MSA	2335	36	
			New York			
		007	Chemung			015
092	37		Enid, OK MSA	2340	40	
			Oklahoma			
		024	Garfield			047
093	39		Erie, PA MSA	2360	42	
			Pennsylvania			
		025	Erie			049
094	38		Eugene-Springfield, OR MSA	2400	41	
			Oregon			
		020	Lane			039
095	15		Evansville, IN-KY MSA	2440	18	
			Indiana			
		065	Posey			129
		082	Vanderburgh			163
		087	Warrick			173
	18		Kentucky		21	
		051	Henderson			101

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Vital Statistics Codes			Area Name and County Components	FIPS Codes	
Area	State	County		Area	State Cnty
096			Fargo-Moorhead, ND-MN MSA	2520	
	24		Minnesota		27
		014	Clay		027
	35		North Dakota		38
		009	Cass		017
097			Fayetteville, NC MSA	2560	
	34		North Carolina		37
		026	Cumberland		051
098			Fayetteville-Springdale, AR MSA	2580	
	04		Arkansas		05
		072	Washington		143
099			Flint, MI MSA	2640	
	23		Michigan		26
		025	Genesee		049
100			Florence, AL MSA	2650	
	01		Alabama		01
		017	Colbert		033
		039	Lauderdale		077
101			Florence, SC MSA	2655	
	41		South Carolina		45
		021	Florence		041
102			Fort Collins-Loveland, CO MSA	2670	
	06		Colorado		08
		035	Larimer		069
103			Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	2680	
	10		Florida		12
		006	Broward		011
104			Fort Myers-Cape Coral, FL MSA	2700	
	10		Florida		12
		036	Lee		071
105			Fort Pierce, FL MSA	2710	
	10		Florida		12
		043	Martin		085
		056	St. Lucie		111
106			Fort Smith, AR-OK MSA	2720	
	04		Arkansas		05
		017	Crawford		033
		066	Sebastian		131
	37		Oklahoma		40
		068	Sequoyah		135
107			Fort Walton Beach, FL MSA	2750	
	10		Florida		12
		046	Okaloosa		091
108			Fort Wayne, IN MSA	2760	
	15		Indiana		18
		002	Allen		003
		017	De Kalb		033
		092	Whitley		183
109			Fort Worth-Arlington, TX PMSA	2800	
	44		Texas		48
		126	Johnson		251
		184	Parker		367
		220	Tarrant		439
110			Fresno, CA MSA	2840	
	05		California		06
		010	Fresno		019
111			Gadsden, AL MSA	2880	
	01		Alabama		01
		028	Etowah		055

Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
112	10	001 004	Gainesville, FL MSA Florida Alachua Bradford	2900	12	001 007
113	44	084	Galveston-Texas City, TX PMSA Texas Galveston	2920	48	167
114	15	045 064	Gary-Hammond, IN PMSA Indiana Lake Porter	2960	18	089 127
115	33	053 054	Glens Falls, NY MSA New York Warren Washington	2975	36	113 115
116	35	018	Grand Forks, ND MSA North Dakota Grand Forks	2985	38	035
117	23	041 070	Grand Rapids, MI MSA Michigan Kent Ottawa	3000	26	081 139
118	27	007	Great Falls, MT MSA Montana Cascade	3040	30	013
119	06	062	Greeley, CO MSA Colorado Weld	3060	08	123
120	50	005	Green Bay, WI MSA Wisconsin Brown	3080	55	009
121	34	029 030 034 041 076 085 099	Greensboro--Winston-Salem--High Point, NC MSA North Carolina Davidson Davie Forsyth Guilford Randolph Stokes Yadkin	3120	37	057 059 067 081 151 169 197
122	41	023 039 042	Greenville-Spartanburg, SC MSA South Carolina Greenville Pickens Spartanburg	3160	45	045 077 083
123	21	022	Hagerstown, MD MSA Maryland Washington	3180	24	043
124	36	009	Hamilton-Middletown, OH PMSA Ohio Butler	3200	39	017
125	39	021 022 038 050	Harrisburg-Lebanon-Carlisle, PA MSA Pennsylvania Cumberland Dauphin Lebanon Perry	3240	42	011 013 075 099
126	07	002 004 007	Hartford-New Britain-Middletown, CT NECMA Connecticut Hartford Middlesex Tolland	3283	09	003 007 013

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
127	34		Hickory-Morganton, NC MSA	3290		
			North Carolina		37	
		002	Alexander			003
		012	Burke			023
		018	Catawba			035
128	12		Honolulu, HI MSA	3320		
			Hawaii		15	
		002	Honolulu			003
129	19		Houma-Thibodaux, LA MSA	3350		
			Louisiana		22	
		029	Lafourche			057
		055	Terrebonne			109
130	44		Houston, TX PMSA	3360		
			Texas		48	
		079	Fort Bend			157
		101	Harris			201
		146	Liberty			291
		170	Montgomery			339
		237	Waller			473
131	18		Huntington-Ashland, WV-KY-OH MSA	3400		
			Kentucky		21	
		010	Boyd			019
		022	Carter			043
		045	Greenup			089
	36		Ohio		39	
		044	Lawrence			087
	49		West Virginia		54	
		006	Cabell			011
		050	Wayne			099
132	01		Huntsville, AL MSA	3440		
			Alabama		01	
		045	Madison			089
133	15		Indianapolis, IN MSA	3480		
			Indiana		18	
		006	Boone			011
		029	Hamilton			057
		030	Hancock			059
		032	Hendricks			063
		041	Johnson			081
		049	Marion			097
		055	Morgan			109
		073	Shelby			145
134	16		Iowa City, IA MSA	3500		
			Iowa		19	
		052	Johnson			103
135	23		Jackson, MI MSA	3520		
			Michigan		26	
		038	Jackson			075
136	25		Jackson, MS MSA	3560		
			Mississippi		28	
		025	Hinds			049
		045	Madison			089
		061	Rankin			121
137	43		Jackson, TN MSA	3580		
			Tennessee		47	
		057	Madison			113
138	10		Jacksonville, FL MSA	3600		
			Florida		12	
		010	Clay			019
		016	Duval			031
		045	Nassau			089
		055	St. Johns			109

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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
139	34	067	Jacksonville, NC MSA North Carolina Onslow	3605	37	133
140	33	006	Jamestown-Dunkirk, NY MSA New York Chautauqua	3610	36	013
141	50	054	Janesville-Beloit, WI MSA Wisconsin Rock	3620	55	105
142	31	009	Jersey City, NJ PMSA New Jersey Hudson	3640	34	017
143	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
144	39	011 056	Johnstown, PA MSA Pennsylvania Cambria Somerset	3680	42	021 111
145	14	032 099	Joliet, IL PMSA Illinois Grundy Will	3690	17	063 197
146	26	049 073	Joplin, MO MSA Missouri Jasper Newton	3710	29	097 145
147	23	039	Kalamazoo, MI MSA Michigan Kalamazoo	3720	26	077
148	14	046	Kankakee, IL MSA Illinois Kankakee	3740	17	091
149	17	046 052 061 105	Kansas City, MO-KS MSA Kansas Johnson Leavenworth Miami Wyandotte	3760	20	091 103 121 209
	26	019 024 048 054 083 089	Missouri Cass Clay Jackson Lafayette Platte Ray		29	037 047 095 107 165 177
150	50	030	Kenosha, WI PMSA Wisconsin Kenosha	3800	55	059
151	44	014 050	Killeen-Temple, TX MSA Texas Bell Coryell	3810	48	027 099

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
152	43		Knoxville, TN MSA	3840	47	
			Tennessee			
		001	Anderson			001
		005	Blount			009
		029	Grainger			057
		045	Jefferson			089
		047	Knox			093
		078	Sevier			155
		087	Union			173
153	15		Kokomo, IN MSA	3850	18	
			Indiana			
		034	Howard			067
		080	Tipton			159
154	50		La Crosse, WI MSA	3870	55	
			Wisconsin			
		032	La Crosse			063
155	19		Lafayette, LA MSA	3880	22	
			Louisiana			
		028	Lafayette			055
		050	St. Martin			099
156	15		Lafayette-West Lafayette, IN MSA	3920	18	
			Indiana			
		079	Tippecanoe			157
157	19		Lake Charles, LA MSA	3960	22	
			Louisiana			
		010	Calcasieu			019
158	14		Lake County, IL PMSA	3965	17	
			Illinois			
		049	Lake			097
159	10		Lakeland-Winter Haven, FL MSA	3980	12	
			Florida			
		053	Polk			105
160	39		Lancaster, PA MSA	4000	42	
			Pennsylvania			
		036	Lancaster			071
161	23		Lansing-East Lansing, MI MSA	4040	26	
			Michigan			
		019	Clinton			037
		023	Eaton			045
		033	Ingham			065
162	44		Laredo, TX MSA	4080	48	
			Texas			
		240	Webb			479
163	32		Las Cruces, NM MSA	4100	35	
			New Mexico			
		008	Dona Ana			013
164	29		Las Vegas, NV MSA	4120	32	
			Nevada			
		003	Clark			003
165	17		Lawrence, KS MSA	4150	20	
			Kansas			
		023	Douglas			045
166	37		Lawton, OK MSA	4200	40	
			Oklahoma			
		016	Comanche			034
167	20		Lewiston-Auburn, ME NECMA	4243	23	
			Maine			
		001	Androscoggin			001

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
168	18		Lexington-Fayette, KY MSA	4280	21	
			Kentucky			
		009	Bourbon			017
		025	Clark			049
		034	Fayette, coext. with Lexington-Fayette			067
		057	Jessamine			113
		105	Scott			209
		120	Woodford			239
169	36		Lima, OH MSA	4320	39	
			Ohio			
		002	Allen			003
		006	Auglaize			011
170	28		Lincoln, NE MSA	4360	31	
			Nebraska			
		055	Lancaster			109
171	04		Little Rock-North Little Rock, AR MSA	4400	05	
			Arkansas			
		023	Faulkner			045
		043	Lonoke			085
		060	Pulaski			119
		063	Saline			125
172	44		Longview-Marshall, TX MSA	4420	48	
			Texas			
		092	Gregg			183
		102	Harrison			203
173	36		Lorain-Elyria, OH PMSA	4440	39	
			Ohio			
		047	Lorain			093
174	05		Los Angeles-Long Beach, CA PMSA	4480	06	
			California			
		019	Los Angeles			037
175	15		Louisville, KY-IN MSA	4520	18	
			Indiana			
		010	Clark			019
		022	Floyd			043
		031	Harrison			061
	18		Kentucky		21	
		015	Bullitt			029
		056	Jefferson			111
		093	Oldham			185
		106	Shelby			211
176	44		Lubbock, TX MSA	4600	48	
			Texas			
		152	Lubbock			303
177	47		Lynchburg, VA MSA	4640	51	
			Virginia			
		006	Amherst			009
		020	Campbell			031
		076	Lynchburg city			680
178	11		Macon-Warner Robins, GA MSA	4680	13	
			Georgia			
		011	Bibb			021
		076	Houston			153
		084	Jones			169
		111	Peach			225
179	50		Madison, WI MSA	4720	55	
			Wisconsin			
		013	Dane			025
180	30		Manchester-Nashua, NH NECMA	4763	33	
			New Hampshire			
		006	Hillsborough			011

Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
181	36	070	Mansfield, OH MSA Ohio Richland	4800	39	139
182	44	108	McAllen-Edinburg-Mission, TX MSA Texas Hidalgo	4880	48	215
183	38	015	Medford, OR MSA Oregon Jackson	4890	41	029
184	10	005	Melbourne-Titusville-Palm Bay, FL MSA Florida Brevard	4900	12	009
185	04	018	Memphis, TN-AR-MS MSA Arkansas Crittenden	4920	05	035
	25	017	Mississippi De Soto		28	033
	43	079	Tennessee Shelby		47	157
		084	Tipton			167
186	05	024	Merced, CA MSA California Merced	4940	06	047
187	10	013	Miami-Hialeah, FL PMSA Florida Dade	5000	12	025
188	31	010	Middlesex-Somerset-Hunterdon, NJ PMSA New Jersey Hunterdon	5015	34	019
		012	Middlesex			023
		018	Somerset			035
189	44	165	Midland, TX MSA Texas Midland	5040	48	329
190	50	041	Milwaukee, WI PMSA Wisconsin Milwaukee	5080	55	079
		046	Ozaukee			089
		067	Washington			131
		068	Waukesha			133
191	24	002	Minneapolis-St. Paul, MN-WI MSA Minnesota Anoka	5120	27	003
		010	Carver			019
		013	Chisago			025
		019	Dakota			037
		027	Hennepin			053
		030	Isanti			059
		062	Ramsey			123
		070	Scott			139
		082	Washington			163
		086	Wright			171
	50		Wisconsin		55	
		056	St. Croix			109
192	01	002	Mobile, AL MSA Alabama Baldwin	5160	01	003
		049	Mobile			097
193	05	050	Modesto, CA MSA California Stanislaus	5170	06	099

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
194	31	013 015	Monmouth-Ocean, NJ PMSA New Jersey Monmouth Ocean	5190	34	025 029
195	19	037	Monroe, LA MSA Louisiana Ouachita	5200	22	073
196	01	001 026 051	Montgomery, AL MSA Alabama Autauga Elmore Montgomery	5240	01	001 051 101
197	15	018	Muncie, IN MSA Indiana Delaware	5280	18	035
198	23	061	Muskegon, MI MSA Michigan Muskegon	5320	26	121
199	10	011	Naples, FL MSA Florida Collier	5345	12	021
200	43	011 019 022 074 075 083 094 095	Nashville, TN MSA Tennessee Cheatham Davidson Dickson Robertson Rutherford Sumner Williamson Wilson	5360	47	021 037 043 147 149 165 187 189
201	33	028 048	Nassau-Suffolk, NY PMSA New York Nassau Suffolk	5380	36	059 103
202	22	003	New Bedford-Fall River-Attleboro, MA NECMA Massachusetts Bristol	5403	25	005
203	07	005	New Haven-Waterbury-Meriden, CT NECMA Connecticut New Haven	5483	09	009
204	07	006	New London-Norwich, CT NECMA Connecticut New London	5523	09	011
205	19	026 036 044 045 048 052	New Orleans, LA MSA Louisiana Jefferson Orleans, coext. with New Orleans city St. Bernard St. Charles St. John the Baptist St. Tammany	5560	22	051 071 087 089 095 103
206	33	029 038 040 056	New York, NY PMSA New York New York city Putnam Rockland Westchester	5600	36	005 079 087 113

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
207	31		Newark, NJ PMSA	5640		
			New Jersey		34	
		007	Essex			013
		014	Morris			027
		019	Sussex			037
		020	Union			039
208	33		Niagara Falls, NY PMSA	5700		
			New York		36	
		030	Niagara			063
209	47		Norfolk-Virginia Beach-Newport News, VA MSA	5720		
			Virginia		51	
		026	Chesapeake city			550
		052	Gloucester			073
		058	Hampton city			650
		066	James City			095
		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
210	05		Oakland, CA PMSA	5775		
			California		06	
		001	Alameda			001
		007	Contra Costa			013
211	10		Ocala, FL MSA	5790		
			Florida		12	
		042	Marion			083
212	44		Odessa, TX MSA	5800		
			Texas		48	
		068	Ector			135
213	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
214	48		Olympia, WA MSA	5910		
			Washington		53	
		034	Thurston			067
215	16		Omaha, NE-IA MSA	5920		
			Iowa		19	
		078	Pottawattamie			155
	28		Nebraska		31	
		028	Douglas			055
		077	Sarpy			153
		089	washington			177
216	33		Orange County, NY PMSA	5950		
			New York		36	
		034	Orange			071
217	10		Orlando, FL MSA	5960		
			Florida		12	
		048	Orange			095
		049	Osceola			097
		059	Seminole			117
218	18		Owensboro, KY MSA	5990		
			Kentucky		21	
		030	Davness			059

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
219	05	056	Oxnard-Ventura, CA PMSA California Ventura	6000	06	111
220	10	003	Panama City, FL MSA Florida Bay	6015	12	005
221	36	084	Parkersburg-Marietta, WV-OH MSA Ohio Washington	6020	39	167
	49	054	West Virginia Wood		54	107
222	25	030	Pascagoula, MS MSA Mississippi Jackson	6025	28	059
223	10	017 057	Pensacola, FL MSA Florida Escambia Santa Rosa	6080	12	033 113
224	14	072 090 102	Peoria, IL MSA Illinois Peoria Tazewell Woodford	6120	17	143 179 203
225	31	003 004 008	Philadelphia, PA-NJ PMSA New Jersey Burlington Camden Gloucester	6160	34	005 007 015
	39	009 015 023 046 051	Pennsylvania Bucks Chester Delaware Montgomery Philadelphia, coext. with Philadelphia city		42	017 029 045 091 101
226	03	007	Phoenix, AZ MSA Arizona Maricopa	6200	04	013
227	04	035	Pine Bluff, AR MSA Arkansas Jefferson	6240	05	069
228	39	002 026 063 065	Pittsburgh, PA PMSA Pennsylvania Allegheny Fayette Washington Westmoreland	6280	42	003 051 125 129
229	22	002	Pittsfield, MA NECMA Massachusetts Berkshire	6323	25	003
230	20	003	Portland, ME NECMA Maine Cumberland	6403	23	005
231	38	003 026 034 036	Portland, OR PMSA Oregon Clackamas Multnomah Washington Yamhill	6440	41	005 051 067 071
232	30	008 009	Portsmouth-Dover-Rochester, NH NECMA New Hampshire Rockingham Strafford	6453	33	015 017

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
233	33	013	Poughkeepsie, NY MSA New York Dutchess	6460	36	027
234	40	001 002 004 005	Providence-Pawtucket-Woonsocket, RI NECMA Rhode Island Bristol Kent Providence Washington	6483	44	001 003 007 009
235	45	025	Provo-Orem, UT MSA Utah Utah	6520	49	049
236	06	051	Pueblo, CO MSA Colorado Pueblo	6560	08	101
237	50	052	Racine, WI PMSA Wisconsin Racine	6600	55	101
238	34	032 035 068 092	Raleigh-Durham, NC MSA North Carolina Durham Franklin Orange Wake	6640	37	063 069 135 183
239	42	051	Rapid City, SD MSA South Dakota Pennington	6660	46	103
240	39	006	Reading, PA MSA Pennsylvania Berks	6680	42	011
241	05	045	Redding, CA MSA California Shasta	6690	06	089
242	29	016	Reno, NV MSA Nevada Washoe	6720	32	031
243	48	003 011	Richland-Kennewick-Pasco, WA MSA Washington Benton Franklin	6740	53	005 021
244	47	023 027 030 037 053 059 061 064 086 096 100 102 108	Richmond-Petersburg, VA MSA Virginia Charles City Chesterfield Colonial Heights city Dinwiddie Goochland Hanover Henrico Hopewell city New Kent Petersburg city Powhatan Prince George Richmond city	6760	51	036 041 570 053 075 085 087 670 127 730 145 149 760
245	05	033 036	Riverside-San Bernardino, CA PMSA California Riverside San Bernardino	6780	06	065 071

Vital Statistics Codes			FIPS Codes		
Area	State	County	Area Name and County Components	Area	State Cnty
246	47		Roanoke, VA MSA	6800	
			Virginia		51
		014	Botetourt		023
		109	Roanoke		161
		110	Roanoke city		770
		114	Salem city		775
247	24		Rochester, MN MSA	6820	
			Minnesota		27
		055	Olmsted		109
248	33		Rochester, NY MSA	6840	
			New York		36
		024	Livingston		051
		026	Monroe		055
		033	Ontario		069
		035	Orleans		073
		055	Wayne		117
249	14		Rockford, IL MSA	6880	
			Illinois		17
		004	Boone		007
		101	Winnebago		201
250	05		Sacramento, CA MSA	6920	
			California		06
		009	El Dorado		017
		031	Placer		061
		034	Sacramento		067
		057	Yolo		113
251	23		Saginaw-Bay City-Midland, MI MSA	6960	
			Michigan		26
		009	Bay		017
		056	Midland		111
		073	Saginaw		145
252	24		St. Cloud, MN MSA	6980	
			Minnesota		27
		005	Benton		009
		071	Sherburne		141
		073	Stearns		145
253	26		St. Joseph, MO MSA	7000	
			Missouri		29
		011	Buchanan		021
254	14		St. Louis, MO-IL MSA	7040	
			Illinois		17
		014	Clinton		027
		042	Jersey		083
		060	Madison		119
		067	Monroe		133
		082	St. Clair		163
	26		Missouri		29
		036	Franklin		071
		050	Jefferson		099
		092	St. Charles		183
		096	St. Louis		189
		097	St. Louis city		510
255	38		Salem, OR MSA	7080	
			Oregon		41
		024	Marion		047
		027	Polk		053
256	05		Salinas-Seaside-Monterey, CA MSA	7120	
			California		06
		027	Monterey		053
257	45		Salt Lake City-Ogden, UT MSA	7160	
			Utah		49
		006	Davis		011
		018	Salt Lake		035
		029	Weber		057

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
258	44	226	San Angelo, TX MSA Texas Tom Green	7200	48	451
259	44	015 046 094	San Antonio, TX MSA Texas Bexar Comal Guadalupe	7240	48	029 091 187
260	05	037	San Diego, CA MSA California San Diego	7320	06	073
261	05	021 038 041	San Francisco, CA PMSA California Marin San Francisco, coext. with San Francisco city/ San Mateo	7360	06	041 075 081
262	05	043	San Jose, CA PMSA California Santa Clara	7400	06	085
263	05	042	Santa Barbara-Santa Maria-Lompoc, CA MSA California Santa Barbara	7480	06	083
264	05	044	Santa Cruz, CA PMSA California Santa Cruz	7485	06	087
265	32	016 027	Santa Fe, NM MSA New Mexico Los Alamos Santa Fe	7490	35	028 049
266	05	049	Santa Rosa-Petaluma, CA PMSA California Sonoma	7500	06	097
267	10	058	Sarasota, FL MSA Florida Sarasota	7510	12	115
268	11	025 051	Savannah, GA MSA Georgia Chatham Effingham	7520	13	051 103
269	39	019 035 040 045 066	Scranton--Wilkes-Barre, PA MSA Pennsylvania Columbia Lackawanna Luzerne Monroe Wyoming	7560	42	037 069 079 089 131
270	48	017 031	Seattle, WA PMSA Washington King Snohomish	7600	53	033 061
271	39	043	Scranton, PA MSA Pennsylvania Mercer	7610	42	085
272	50	060	Sheboygan, WI MSA Wisconsin Sheboygan	7620	55	117
273	44	091	Sherman-Denison, TX MSA Texas Grayson	7640	48	181

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
274	19	008 009	Shreveport, LA MSA Louisiana Bossier Caddo	7680	22	015 017
275	16	097 28 022	Sioux City, IA-NE MSA Iowa Woodbury Nebraska Dakota	7720	19 31	193 043
276	42	049	Sioux Falls, SD MSA South Dakota Minnehaha	7760	46	099
277	15	071	South Bend-Mishawaka, IN MSA Indiana St. Joseph	7800	18	141
278	48	032	Spokane, WA MSA Washington Spokane	7840	53	063
279	14	065 084	Springfield, IL MSA Illinois Menard Sangamon	7880	17	129 167
280	26	022 039	Springfield, MO MSA Missouri Christian Greene	7920	29	043 077
281	22	007 008	Springfield, MA NECMA Massachusetts Hampden Hampshire	8003	25	013 015
282	39	014	State College, PA MSA Pennsylvania Centre	8050	42	027
283	36	041 49 005 015	Steubenville-Weirton, OH-WV MSA Ohio Jefferson West Virginia Brooke Hancock	8080	39 54	081 009 029
284	05	039	Stockton, CA MSA California San Joaquin	8120	06	077
285	33	025 032 036	Syracuse, NY MSA New York Madison Onondaga Oswego	8160	36	053 067 075
286	48	027	Tacoma, WA PMSA Washington Pierce	8200	53	053
287	10	020 037	Tallahassee, FL MSA Florida Gadsden Leon	8240	12	039 073
288	10	027 029 051 052	Tampa-St. Petersburg-Clearwater, FL MSA Florida Hernando Hillsborough Pasco Pinellas	8280	12	053 057 101 103

Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
289	15	011 084	Terre Haute, IN MSA Indiana Clay Vigo	8320	18	021 167
290	04 44	046 019	Texarkana, TX-Texarkana, AR MSA Arkansas Miller Texas Bowie	8360	05 48	091 037
291	36	026 048 087	Toledo, OH MSA Ohio Fulton Lucas Wood	8400	39	051 095 173
292	17	089	Topeka, KS MSA Kansas Shawnee	8440	20	177
293	31	011	Trenton, NJ PMSA New Jersey Mercer	8480	34	021
294	03	010	Tucson, AZ MSA Arizona Pima	8520	04	019
295	37	019 057 066 072 073	Tulsa, OK MSA Oklahoma Creek Osage Rogers Tulsa Wagoner	8560	40	037 113 131 143 145
296	01	063	Tuscaloosa, AL MSA Alabama Tuscaloosa	8600	01	125
297	44	212	Tyler, TX MSA Texas Smith	8640	48	423
298	33	021 031	Utica-Rome, NY MSA New York Herkimer Oneida	8680	36	043 065
299	05	028 048	Vallejo-Fairfield-Napa, CA PMSA California Napa Solano	8720	06	055 095
300	48	006	Vancouver, WA PMSA Washington Clark	8725	53	011
301	44	235	Victoria, TX MSA Texas Victoria	8750	48	469
302	31	006	Vineland-Millville-Bridgeton, NJ PMSA New Jersey Cumberland	8760	34	011
303	05	054	Visalia-Tulare-Porterville, CA MSA California Tulare	8780	06	107
304	44	155	Waco, TX MSA Texas McLennan	8800	48	309

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
305			Washington, DC-MD-VA MSA	8840		
	09		Dist. of Columbia		11	
		001	District of Columbia			001
	21		Maryland		24	
		005	Calvert			009
		009	Charles			017
		011	Frederick			021
		016	Montgomery			031
		017	Prince George's			033
	47		Virginia		51	
		003	Alexandria city			510
		008	Arlington			013
		040	Fairfax			059
		041	Fairfax city			600
		042	Falls Church city			610
		073	Loudoun			107
		078	Manassas city			683
		079	Manassas Park city			685
		103	Prince William			153
		121	Stafford			179
306			Waterloo-Cedar Falls, IA MSA	8920		
	16		Iowa		19	
		007	Black Hawk			013
		009	Bremer			017
307			Wausau, WI MSA	8940		
	50		Wisconsin		55	
		037	Marathon			073
308			West Palm Beach-Boca Raton-Delray Beach, FL MSA	8960		
	10		Florida		12	
		050	Palm Beach			099
309			Wheeling, WV-OH MSA	9000		
	36		Ohio		39	
		007	Belmont			013
	49		West Virginia		54	
		026	Marshall			051
		035	Ohio			069
310			Wichita, KS MSA	9040		
	17		Kansas		20	
		008	Butler			015
		040	Harvey			079
		087	Sedgwick			173
311			Wichita Falls, TX MSA	9080		
	44		Texas		48	
		243	Wichita			485
312			Williamsport, PA MSA	9140		
	39		Pennsylvania		42	
		041	Lycoming			081
313			Wilmington, DE-NJ-MD PMSA	9160		
	08		Delaware		10	
		002	New Castle			003
	21		Maryland		24	
		008	Cecil			015
	31		New Jersey		34	
		017	Salem			033
314			Wilmington, NC MSA	9200		
	34		North Carolina		37	
		065	New Hanover			129
315			Worcester-Fitchburg-Leominster, MA NECMA	9243		
	22		Massachusetts		25	
		014	worcester			027
316			Yakima, WA MSA	9260		
	48		Washington		53	
		039	Yakima			077

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
317	39		York, PA MSA	9280		
		001	Pennsylvania		42	
		067	Adams			001
			York			133
318	36		Youngstown-Warren, OH MSA	9320		
		050	Ohio		39	
		078	Mahoning			099
			Trumbull			155
319	05		Yuba City, CA MSA	9340		
		051	California		06	
		058	Sutter			101
			Yuba			115
320	03		Yuma, AZ MSA	9360		
		014	Arizona		04	
			Yuma			027

FETAL DEATH DOCUMENTATION TABLE 1.  
FETAL DEATHS BY PERIOD OF GESTATION AND STATE OF OCCURRENCE. UNITED STATES AND EACH STATE,  
1990

(FETAL DEATHS BY PLACE OF OCCURRENCE INCLUDE FETAL DEATHS THAT OCCUR TO NONRESIDENTS OF  
THE UNITED STATES)

STATE OF OCCURRENCE	Total	ALL FETAL DEATHS			Fetal Deaths with Stated or Presumed Gestation of 20 weeks or more			
		Under 20 Weeks	20 Weeks And Over	Not Stated	Total	20-27 weeks	28 weeks and over	Not stated
United States.....	64,349	30,837	29,378	4,134	31,422	12,565	16,813	2,044
Alabama.....	682	23	652	7	659	306	346	7
Alaska.....	60	1	57	2	59	20	37	2
Arizona.....	411	5	395	11	406	153	242	11
Arkansas.....	268	5	261	2	263	96	165	2
California.....	4,086	69	3,530	487	4,017	1,237	2,293	487
Colorado.....	363	6	353	4	357	129	224	4
Connecticut.....	373	13	198	162	360	102	96	162
Delaware.....	79	1	73	5	78	24	49	5
Dist of Columbia..	261	8	219	34	253	105	114	34
Florida.....	1,665	40	1,530	95	1,625	635	895	95
Georgia.....	10,270	8,145	1,379	746	1,386	772	607	7
Hawaii.....	1,743	1,491	149	103	150	80	69	1
Idaho.....	112	2	109	1	110	34	75	1
Illinois.....	1,513	38	1,422	53	1,475	577	845	53
Indiana.....	619	6	579	34	613	201	378	34
Iowa.....	270	6	260	4	264	99	161	4
Kansas.....	214	6	203	5	208	77	126	5
Kentucky.....	424	10	412	2	414	169	243	2
Louisiana.....	639	31	532	76	608	202	330	76
Maine.....	90	1	70	19	89	32	38	19
Maryland.....	593	18	308	267	575	132	176	267
Massachusetts.....	561	10	549	2	551	226	323	2
Michigan.....	829	36	787	6	793	332	455	6
Minnesota.....	458	27	370	61	431	135	235	61
Mississippi.....	520	28	489	3	492	227	262	3
Missouri.....	565	17	538	10	548	209	329	10
Montana.....	78	-	76	2	78	27	49	2
Nebraska.....	164	1	157	6	163	61	96	6
Nevada.....	190	11	177	2	179	75	102	2
New Hampshire.....	101	1	99	1	100	30	69	1

FETAL DEATH DOCUMENTATION TABLE 1.  
 FETAL DEATHS BY PERIOD OF GESTATION AND STATE OF OCCURRENCE: UNITED STATES AND EACH STATE,  
 1990

(FETAL DEATHS BY PLACE OF OCCURRENCE INCLUDE FETAL DEATHS THAT OCCUR TO NONRESIDENTS OF  
 THE UNITED STATES)-Continued

STATE OF OCCURRENCE	Total	All FETAL DEATHS			Fetal Deaths with Stated or Presumed Gestation of 20 weeks or more			
		Under 20 Weeks	20 Weeks And Over	Not Stated	Total	20-27 weeks	28 weeks and over	Not stated
New Jersey.....	989	53	815	121	936	365	450	121
New Mexico.....	128	1	123	4	127	40	83	4
New York excluding New York City...	10,955	9,078	1,255	622	1,308	616	639	53
New York City.....	5,331	3,330	1,753	248	1,798	947	806	45
North Carolina....	914	22	879	13	892	381	498	13
North Dakota.....	86	5	78	3	81	33	45	3
Ohio.....	1,211	33	1,166	12	1,178	465	701	12
Oklahoma.....	339	3	174	162	336	59	115	162
Oregon.....	279	4	273	2	275	123	150	2
Pennsylvania.....	2,157	550	1,505	102	1,607	805	700	102
Rhode Island.....	1,109	983	87	39	88	47	40	1
South Carolina....	607	28	573	6	579	267	306	6
South Dakota.....	65	-	65	-	65	12	53	-
Tennessee.....	497	7	479	11	490	118	361	11
Texas.....	2,141	74	1,973	94	2,067	757	1,216	94
Utah.....	214	10	201	3	204	87	114	3
Vermont.....	47	2	45	-	45	21	24	-
Virginia.....	7,913	6,581	883	449	893	480	403	10
Washington.....	473	8	437	28	465	178	259	28
West Virginia.....	190	1	189	-	189	74	115	-
Wisconsin.....	459	7	449	3	452	171	278	3
Wyoming.....	44	1	43	-	43	15	28	-

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)

AREA AND RACE	Total	Male	Female	Sex Not Stated
United States.....	31,386	16,114	13,842	1,430
White.....	21,081	10,774	9,437	870
All Other.....	1,104	568	474	62
Black.....	9,201	4,772	3,931	498
ALABAMA.....	673	340	321	12
White.....	332	171	156	5
All Other.....	7	1	5	1
Black.....	334	168	160	6
Alaska.....	60	31	29	-
White.....	39	22	17	-
All Other.....	19	9	10	-
Black.....	2	-	2	-
ARIZONA.....	405	218	182	5
White.....	323	174	146	3
All Other.....	44	28	15	1
Black.....	38	16	21	1
ARKANSAS.....	272	150	118	4
White.....	175	100	72	3
All Other.....	3	3	-	-
Black.....	94	47	46	1
California.....	4,018	2,112	1,869	37
White.....	3,111	1,609	1,478	24
All Other.....	329	179	144	6
Black.....	578	324	247	7
Colorado.....	350	180	157	13
White .....	316	163	141	12
All Other.....	8	4	4	-
Black .....	26	13	12	1

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
Connecticut.....	356	191	161	4
White.....	273	144	125	4
All Other.....	4	3	1	-
Black.....	79	44	35	-
Delaware.....	76	41	33	2
White.....	50	25	23	2
All Other.....	-	-	-	-
Black.....	26	16	10	-
Dist of Columbia.....	155	87	62	6
White.....	10	6	4	-
All Other.....	-	-	-	-
Black.....	145	81	58	6
Florida.....	1,628	854	761	13
White.....	961	511	443	7
All Other.....	23	10	13	-
Black.....	644	333	305	6
Georgia.....	1,364	627	514	223
White.....	599	282	220	97
All Other.....	12	1	6	5
Black.....	753	344	288	121
Hawaii.....	143	60	53	30
White.....	44	20	14	10
All Other.....	89	37	37	15
Black.....	10	3	2	5
Idaho.....	113	66	43	4
White.....	109	65	40	4
All Other.....	4	1	3	-
Black.....	-	-	-	-

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
Illinois.....	1,501	800	686	15
White.....	906	497	402	7
All Other.....	29	9	19	1
Black.....	566	294	265	7
Indiana.....	611	324	281	6
White.....	501	280	217	4
All Other.....	3	2	1	-
Black.....	107	42	63	2
Iowa.....	267	125	139	3
White.....	246	114	129	3
All Other.....	3	1	2	-
Black.....	18	10	8	-
Kansas.....	216	117	96	3
White.....	180	97	80	3
All Other.....	6	2	4	-
Black.....	30	18	12	-
Kentucky.....	425	237	186	2
White.....	361	196	163	2
All Other.....	2	1	1	-
Black.....	62	40	22	-
Louisiana.....	606	330	265	11
White.....	286	145	137	4
All Other.....	7	3	4	-
Black.....	313	182	124	7
Maine.....	92	46	44	2
White.....	90	45	43	2
All Other.....	1	1	-	-
Black.....	1	-	1	-

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
Maryland.....	653	366	276	11
White.....	318	172	144	2
All Other.....	13	8	4	1
Black.....	322	186	128	8
Massachusetts.....	544	279	256	9
White.....	438	229	203	6
All Other.....	10	4	6	-
Black.....	96	46	47	3
Michigan.....	808	395	375	38
White.....	554	275	256	23
All Other.....	11	5	6	-
Black.....	243	115	113	15
Minnesota.....	425	236	187	2
White.....	358	201	155	2
All Other.....	30	16	14	-
Black.....	37	19	18	-
Mississippi.....	500	256	236	8
White.....	155	71	82	2
All Other.....	5	3	2	-
Black.....	340	182	152	6
Missouri.....	536	293	236	7
White.....	354	193	157	4
All Other.....	3	2	1	-
Black.....	179	98	78	3
Montana.....	86	50	36	-
White.....	71	38	33	-
All Other.....	14	12	2	-
Black.....	1	-	1	-

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
Nebraska.....	159	80	77	2
White.....	139	69	68	2
All Other.....	4	1	3	-
Black.....	16	10	6	-
Nevada.....	176	101	75	-
White.....	142	83	59	-
All Other.....	8	4	4	-
Black.....	26	14	12	-
New Hampshire.....	103	57	45	1
White.....	100	56	43	1
All Other.....	1	1	-	-
Black.....	2	-	2	-
New Jersey.....	1,001	498	452	51
White.....	591	295	261	35
All Other.....	34	17	15	2
Black.....	376	186	176	14
New Mexico.....	130	78	49	3
White.....	107	65	41	1
All Other.....	20	10	8	2
Black.....	3	3	-	-
New York.....	3,090	1,439	1,126	525
White.....	1,877	843	677	357
All Other.....	94	46	28	20
Black.....	1,119	550	421	148
North Carolina.....	896	470	408	18
White.....	467	244	214	9
All Other.....	8	2	6	-
Black.....	421	224	188	9

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
North Dakota.....	71	42	27	2
White.....	62	34	26	2
All Other.....	9	8	1	-
Black.....	-	-	-	-
Ohio.....	1,178	595	572	11
White.....	888	442	437	9
All Other.....	10	7	3	-
Black.....	280	146	132	2
Oklahoma.....	338	186	149	3
White.....	241	126	112	3
All Other.....	51	26	25	-
Black.....	46	34	12	-
Oregon.....	260	139	119	2
White.....	238	125	112	1
All Other.....	14	8	6	-
Black.....	8	6	1	1
Pennsylvania.....	1,562	808	655	99
White.....	1,166	593	508	65
All Other.....	20	8	7	5
Black.....	376	207	140	29
Rhode Island.....	85	38	38	9
White.....	76	33	35	8
All Other.....	-	-	-	-
Black.....	9	5	3	1
South Carolina.....	594	319	254	21
White.....	261	143	106	12
All Other.....	6	4	2	-
Black.....	327	172	146	9

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
South Dakota.....	67	32	35	-
White.....	49	24	25	-
All Other.....	17	8	9	-
Black.....	1	-	1	-
Tennessee.....	456	240	214	2
White.....	293	151	140	2
All Other.....	3	-	3	-
Black.....	160	89	71	-
Texas.....	2,042	1,036	996	10
White.....	1,529	753	768	8
All Other.....	37	21	16	-
Black.....	476	262	212	2
Utah.....	183	91	89	3
White.....	173	84	86	3
All Other.....	10	7	3	-
Black.....	-	-	-	-
Vermont.....	46	27	18	1
White.....	41	23	17	1
All Other.....	2	2	-	-
Black.....	3	2	1	-
Virginia.....	908	410	323	175
White.....	519	234	186	99
All Other.....	18	9	7	2
Black.....	371	167	130	74
Washington.....	473	260	206	7
White.....	406	217	183	6
All Other.....	38	25	12	1
Black.....	29	18	11	-

FETAL DEATH DOCUMENTATION TABLE 2  
 FETAL DEATHS BY SEX AND RACE OF MOTHER: UNITED STATES AND EACH STATE, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)-Continued

AREA AND RACE	Total	Male	Female	Sex Not Stated
West Virginia.....	179	100	75	4
White.....	161	90	67	4
All Other.....	-	-	-	-
Black.....	18	10	8	-
Wisconsin.....	457	242	206	9
White.....	348	187	155	6
All Other.....	20	9	11	-
Black.....	89	46	40	3
Wyoming.....	49	15	32	2
White.....	47	15	31	1
All Other.....	1	-	1	-
Black.....	1	-	-	1

FETAL DEATH DOCUMENTATION TABLE 3  
 FETAL DEATHS BY BIRTH WEIGHT, RACE OF MOTHER, AND SEX: UNITED STATES, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX)

RACE AND SEX	TOTAL	BIRTH WEIGHT												
		Under 350 grams	350- 499 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.....	31,386	3,217	3,674	6,450	3,017	2,587	2,478	2,410	2,191	1,168	403	133	91	3,567
MALE.....	16,114	1,622	1,914	3,439	1,560	1,411	1,342	1,232	1,116	617	233	87	56	1,485
FEMALE.....	13,842	1,274	1,634	2,893	1,428	1,157	1,120	1,161	1,071	549	169	45	35	1,306
SEX NOT STD.....	1,430	321	126	118	29	19	16	17	4	2	1	1	-	776
WHITE.....	21,081	2,127	2,249	4,104	2,003	1,733	1,672	1,737	1,718	922	327	90	67	2,332
MALE.....	10,774	1,063	1,168	2,169	1,027	953	913	875	877	475	184	61	41	968
FEMALE.....	9,437	878	1,016	1,868	957	769	746	849	840	445	142	28	26	873
SEX NOT STD.....	870	186	65	67	19	11	13	13	1	2	1	1	-	491
ALL OTHER.....	1,104	99	118	230	93	86	96	93	94	53	13	5	4	120
MALE.....	568	41	60	134	50	41	58	53	40	31	9	4	2	45
FEMALE.....	474	34	55	92	43	44	38	40	53	22	4	1	2	46
SEX NOT STD.....	62	24	3	4	-	1	-	-	1	-	-	-	-	29
BLACK.....	9,201	991	1,307	2,116	921	768	710	580	379	193	63	38	20	1,115
MALE.....	4,772	518	686	1,136	483	417	371	304	199	111	40	22	13	472
FEMALE.....	3,931	362	563	933	428	344	336	272	178	82	23	16	7	387
SEX NOT STD.....	498	111	58	47	10	7	3	4	2	-	-	-	-	256

FETAL DEATH DOCUMENTATION TABLE 4  
 FETAL DEATHS BY AGE OF MOTHER, RACE OF MOTHER, AND SEX: UNITED STATES, 1990

(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD  
 OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX)

RACE AND SEX	AGE OF MOTHER								
	TOTAL	UNDER 15 YEARS	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS
ALL RACES.....	31,386	174	4,584	8,073	8,378	6,358	3,067	716	36
MALE.....	16,114	87	2,376	4,110	4,314	3,227	1,613	367	20
FEMALE.....	13,842	71	2,036	3,614	3,659	2,840	1,295	313	14
SEX NOT STD.....	1,430	16	172	349	405	291	159	36	2
WHITE.....	21,081	59	2,652	5,189	5,795	4,606	2,233	521	26
MALE.....	10,774	33	1,343	2,678	2,944	2,316	1,176	268	16
FEMALE.....	9,437	19	1,223	2,336	2,594	2,084	945	228	8
SEX NOT STD.....	870	7	86	175	257	206	112	25	2
ALL OTHER.....	1,104	4	117	235	295	252	162	37	2
MALE.....	568	1	62	113	159	126	89	18	-
FEMALE.....	474	3	49	108	120	110	66	16	2
SEX NOT STD.....	62	-	6	14	16	16	7	3	-
BLACK.....	9,201	111	1,815	2,649	2,288	1,500	672	158	8
MALE.....	4,772	53	971	1,319	1,211	785	348	81	4
FEMALE.....	3,931	49	764	1,170	945	646	284	69	4
SEX NOT STD.....	498	9	80	160	132	69	40	8	-

FETAL DEATH DOCUMENTATION TABLE 5  
 FETAL DEATHS WITH SELECTED MEDICAL RISK FACTORS BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE;  
 SEE TECHNICAL APPENDIX.)

MEDICAL RISK FACTOR AND RACE OF MOTHER	ALL FETAL DEATHS 1/	MEDICAL RISK FACTOR REPORTED								MEDICAL RISK FACTOR NOT REPORTED	NOT STATED
		AGE OF MOTHER									
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS		
ALL RACES 2/											
ANEMIA.....	29,102	848	171	249	195	147	67	18	1	23,893	4,361
CARDIAC DISEASE.....	29,102	116	5	27	32	23	23	6	-	24,625	4,361
ACUTE OR CHRONIC LUNG DISEASE...	29,102	149	18	37	31	37	17	9	-	24,592	4,361
DIABETES.....	29,102	722	49	139	167	172	153	41	1	24,019	4,361
GENITAL HERPES.....	27,762	147	20	31	40	33	20	3	-	23,519	4,096
HYDRAMNIOS/OLIGOHYDRAMNIOS.....	27,762	906	99	250	239	200	94	24	-	22,760	4,096
HEMOGLOBINOPATHY.....	27,762	66	10	15	18	13	6	4	-	23,600	4,096
HYPERTENSION, CHRONIC.....	29,102	583	31	87	113	179	128	44	1	24,158	4,361
HYPERTENSION, PREGNANCY-ASSOCIATED.....	29,102	1,070	149	269	257	233	134	28	-	23,671	4,361
ECLAMPSIA.....	29,102	146	27	38	32	29	16	4	-	24,595	4,361
INCOMPETENT CERVIX.....	27,762	545	63	132	150	139	50	11	-	23,121	4,096
PREVIOUS INFANT 4000+ GRAMS.....	27,762	233	9	34	68	65	43	13	1	23,433	4,096
PREVIOUS PRETERM OR SMALL-FOR-GESTATIONAL-AGE INFANT.....	27,762	715	51	164	222	171	87	20	-	22,951	4,096
RENAL DISEASE.....	29,102	141	21	36	37	28	16	3	-	24,600	4,361
RH SENSITIZATION.....	28,886	165	16	31	57	37	16	8	-	24,411	4,310
UTERINE BLEEDING.....	29,102	1,115	174	282	299	241	97	22	-	23,626	4,361

FETAL DEATH DOCUMENTATION TABLE 5  
 FETAL DEATHS WITH SELECTED MEDICAL RISK FACTORS BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE;  
 SEE TECHNICAL APPENDIX.)-Continued

MEDICAL RISK FACTOR AND RACE OF MOTHER	ALL FETAL DEATHS 1/	MEDICAL RISK FACTOR REPORTED								MEDICAL RISK FACTOR NOT REPORTED	NOT STATED
		AGE OF MOTHER									
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS		
WHITE											
ANEMIA.....	19,754	405	70	108	95	83	38	10	1	16,367	2,982
CARDIAC DISEASE.....	19,754	81	4	12	23	16	20	6	-	16,691	2,982
ACUTE OR CHRONIC LUNG DISEASE...	19,754	107	11	28	22	22	15	9	-	16,665	2,982
DIABETES.....	19,754	493	36	92	113	120	103	28	1	16,279	2,982
GENITAL HERPES.....	18,696	103	13	20	28	22	17	3	-	15,824	2,769
HYDRAMNIOS/OLIGOHYDRAMNIOS.....	18,696	698	58	191	190	165	74	20	-	15,229	2,769
HEMOGLOBINOPATHY.....	18,696	40	7	7	10	10	4	2	-	15,887	2,769
HYPERTENSION, CHRONIC.....	19,754	300	18	46	60	92	62	21	1	16,472	2,982
HYPERTENSION, PREGNANCY- ASSOCIATED.....	19,754	692	83	174	178	151	88	18	-	16,080	2,982
ECLAMPSIA.....	19,754	84	11	24	22	17	6	4	-	16,688	2,982
INCOMPETENT CERVIX.....	18,696	336	35	75	95	89	35	7	-	15,591	2,769
PREVIOUS INFANT 4000+ GRAMS.....	18,696	180	6	27	50	49	35	12	1	15,747	2,769
PREVIOUS PRETERM OR SMALL-FOR- GESTATIONAL-AGE INFANT.....	18,696	470	25	94	153	117	65	16	-	15,457	2,769
RENAL DISEASE.....	19,754	92	14	24	24	18	9	3	-	16,680	2,982
RH SENSITIZATION.....	19,574	141	13	26	48	32	15	7	-	16,499	2,934
UTERINE BLEEDING.....	19,754	765	95	186	209	185	73	17	-	16,007	2,982

FETAL DEATH DOCUMENTATION TABLE 5  
 FETAL DEATHS WITH SELECTED MEDICAL RISK FACTORS BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE;  
 SEE TECHNICAL APPENDIX.)-Continued

MEDICAL RISK FACTOR AND RACE OF MOTHER	ALL FETAL DEATHS 1/	MEDICAL RISK FACTOR REPORTED								MEDICAL RISK FACTOR NOT REPORTED	NOT STATED
		AGE OF MOTHER									
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS		
BLACK											
ANEMIA.....	8,414	416	96	133	94	59	28	6	-	6,767	1,231
CARDIAC DISEASE.....	8,414	29	1	13	8	5	2	-	-	7,154	1,231
ACUTE OR CHRONIC LUNG DISEASE...	8,414	39	6	9	9	14	1	-	-	7,144	1,231
DIABETES.....	8,414	195	12	41	49	44	39	10	-	6,988	1,231
GENITAL HERPES.....	8,160	41	6	11	12	9	3	-	-	6,938	1,181
HYDRAMNIOS/OLIGOHYDRAMNIOS.....	8,160	176	39	55	36	28	15	3	-	6,803	1,181
HEMOGLOBINOPATHY.....	8,160	26	3	8	8	3	2	2	-	6,953	1,181
HYPERTENSION, CHRONIC.....	8,414	262	12	39	50	81	60	20	-	6,921	1,231
HYPERTENSION, PREGNANCY- ASSOCIATED.....	8,414	345	63	88	72	76	36	10	-	6,838	1,231
ECLAMPSIA.....	8,414	60	16	14	9	12	9	-	-	7,123	1,231
INCOMPETENT CERVIX.....	8,160	196	28	53	52	46	14	3	-	6,783	1,181
PREVIOUS INFANT 4000+ GRAMS.....	8,160	35	1	5	14	11	3	1	-	6,944	1,181
PREVIOUS PRETERM OR SMALL-FOR- GESTATIONAL-AGE INFANT.....	8,160	218	25	65	61	46	19	2	-	6,761	1,181
RENAL DISEASE.....	8,414	39	7	10	9	7	6	-	-	7,144	1,231
RH SENSITIZATION.....	8,384	21	3	5	8	3	1	1	-	7,134	1,229
UTERINE BLEEDING.....	8,414	321	77	91	83	46	21	3	-	6,862	1,231

1/ TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIED MEDICAL RISK FACTOR.

2/ INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 6  
 FETAL DEATHS BY SMOKING STATUS OF MOTHER AND AVERAGE NUMBER OF CIGARETTES SMOKED BY MOTHER PER DAY,  
 BY AGE AND RACE OF MOTHER: TOTAL OF 41 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE:  
 SEE TECHNICAL APPENDIX.)

SMOKING STATUS, AVERAGE NUMBER OF CIGARETTES PER DAY AND RACE OF MOTHER	ALL FETAL DEATHS	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 <u>1/</u>										
TOTAL.....	21,316	134	3,326	1,298	2,028	5,655	5,624	4,164	1,941	472
SMOKER.....	4,177	10	625	198	427	1,218	1,162	776	310	76
1-5 CIGARETTES.....	669	1	120	38	82	196	182	116	45	9
6-10 CIGARETTES.....	1,286	5	224	71	153	384	365	209	79	20
11-15 CIGARETTES.....	173	-	18	5	13	56	53	31	12	3
16-20 CIGARETTES.....	1,046	1	117	40	77	302	312	202	86	26
21-30 CIGARETTES.....	146	-	13	3	10	52	36	27	18	-
31-40 CIGARETTES.....	82	-	12	5	7	16	25	23	5	1
41 CIGARETTES OR MORE.....	17	-	2	1	1	2	2	10	-	1
NOT STATED.....	758	3	119	35	84	210	187	158	65	16
NON-SMOKER.....	12,807	95	2,039	837	1,202	3,323	3,285	2,541	1,230	294
NOT STATED.....	4,332	29	662	263	399	1,114	1,177	847	401	102

FETAL DEATH DOCUMENTATION TABLE 6  
 FETAL DEATHS BY SMOKING STATUS OF MOTHER AND AVERAGE NUMBER OF CIGARETTES SMOKE BY MOTHER PER DAY,  
 BY AGE AND RACE OF MOTHER: TOTAL OF 41 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE:  
 SEE TECHNICAL APPENDIX.)-Continued

SMOKING STATUS, AVERAGE NUMBER OF CIGARETTES PER DAY AND RACE OF MOTHER	ALL FETAL DEATHS	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					
WHITE										
TOTAL.....	14,216	38	1,854	674	1,180	3,565	3,941	3,046	1,434	338
SMOKER.....	2,985	7	496	158	338	887	787	538	218	52
1-5 CIGARETTES.....	362	-	78	23	55	106	84	63	25	6
6-10 CIGARETTES.....	898	5	190	62	128	265	235	136	55	12
11-15 CIGARETTES.....	137	-	15	5	10	47	44	20	9	2
16-20 CIGARETTES.....	857	-	105	38	67	256	247	161	66	22
21-30 CIGARETTES.....	137	-	13	3	10	51	34	25	14	-
31-40 CIGARETTES.....	68	-	11	5	6	12	21	20	3	1
41 CIGARETTES OR MORE.....	15	-	2	1	1	2	2	9	-	-
NOT STATED.....	511	2	82	21	61	148	120	104	46	9
NON-SMOKER.....	8,422	23	980	372	608	2,018	2,366	1,900	925	210
NOT STATED.....	2,809	8	378	144	234	660	788	608	291	76

FETAL DEATH DOCUMENTATION TABLE 6  
 FETAL DEATHS BY SMOKING STATUS OF MOTHER AND AVERAGE NUMBER OF CIGARETTES SMOKED BY MOTHER PER DAY,  
 BY AGE AND RACE OF MOTHER: TOTAL OF 41 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE:  
 SEE TECHNICAL APPENDIX.)-Continued

SMOKING STATUS, AVERAGE NUMBER OF CIGARETTES PER DAY AND RACE OF MOTHER	ALL FETAL DEATHS	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					
<b>BLACK</b>										
TOTAL.....	6,609	94	1,418	608	810	1,970	1,546	1,024	442	115
SMOKER.....	1,143	3	120	35	85	316	361	229	91	23
1-5 CIGARETTES.....	295	1	40	14	26	87	94	50	20	3
6-10 CIGARETTES.....	377	-	32	8	24	116	126	71	24	8
11-15 CIGARETTES.....	35	-	3	-	3	8	9	11	3	1
16-20 CIGARETTES.....	180	1	12	2	10	43	62	39	19	4
21-30 CIGARETTES.....	9	-	-	-	-	1	2	2	4	-
31-40 CIGARETTES.....	14	-	1	-	1	4	4	3	2	-
41 CIGARETTES OR MORE.....	2	-	-	-	-	-	-	1	-	1
NOT STATED.....	231	1	32	11	21	57	64	52	19	6
NON-SMOKER.....	4,053	70	1,027	456	571	1,227	829	577	253	70
NOT STATED.....	1,413	21	271	117	154	427	356	218	98	22

1/ INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 7

FETAL DEATHS BY DRINKING STATUS OF MOTHER AND BY MOTHER'S AVERAGE NUMBER OF DRINKS PER WEEK, BY AGE AND RACE OF MOTHER: TOTAL OF 40 REPORTING STATES, AND THE DISTRICT OF COLUMBIA, 1990  
(FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL APPENDIX.)

DRINKING STATUS, AVERAGE NUMBER OF DRINKS PER WEEK, 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/.....	21,355	132	3,373	1,308	2,065	5,720	5,620	4,139	1,907	464
DRINKER.....	979	6	107	35	72	234	289	236	85	22
1 DRINK OR LESS.....	151	1	12	3	9	37	47	33	17	4
2 DRINKS.....	97	1	9	1	8	25	30	23	7	2
3-4 DRINKS.....	67	1	7	1	6	20	18	18	3	-
5 DRINKS OR MORE.....	132	1	7	4	3	34	44	32	11	3
NOT STATED.....	532	2	72	26	46	118	150	130	47	13
NON-DRINKER.....	15,984	98	2,580	1,005	1,575	4,317	4,163	3,049	1,432	345
NOT STATED.....	4,392	28	686	268	418	1,169	1,168	854	390	97
WHITE.....	14,264	39	1,884	675	1,209	3,624	3,944	3,034	1,408	331
DRINKER.....	512	4	59	19	40	116	146	120	55	12
1 DRINK OR LESS.....	85	-	8	2	6	17	29	20	10	1
2 DRINKS.....	47	1	4	-	4	11	13	12	4	2
3-4 DRINKS.....	30	1	1	-	1	8	10	9	1	-
5 DRINKS OR MORE.....	57	-	6	4	2	12	20	12	6	1
NOT STATED.....	293	2	40	13	27	68	74	67	34	8
NON-DRINKER.....	10,930	27	1,437	514	923	2,810	3,029	2,300	1,078	249
NOT STATED.....	2,822	8	388	142	246	698	769	614	275	70
BLACK.....	6,607	91	1,436	617	819	1,976	1,543	1,011	435	115
DRINKER.....	441	2	42	13	29	114	137	110	27	9
1 DRINK OR LESS.....	65	1	4	1	3	20	17	13	7	3
2 DRINKS.....	100	-	5	1	4	14	17	11	3	-
3-4 DRINKS.....	11	-	5	-	5	11	8	9	2	-
5 DRINKS OR MORE.....	1	-	1	-	1	2	24	19	5	2
NOT STATED.....	355	-	36	11	16	47	71	58	10	4
NON-DRINKER.....	4,100	69	1,107	480	627	1,419	1,039	682	304	83
NOT STATED.....	1,463	20	287	124	163	443	367	219	104	23

1/ INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 8  
 FETAL DEATHS BY WEIGHT GAIN DURING PREGNANCY, BY AGE AND RACE OF MOTHER: TOTAL OF 43 REPORTING STATES AND THE DISTRICT OF  
 COLUMBIA, 1990  
 FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE: SEE TECHNICAL  
 APPENDIX.)

AGE AND AND RACE OF MOTHER	TOTAL	WEIGHT GAIN DURING PREGNANCY							
		LESS THAN 10 POUNDS	10-14 POUNDS	15-19 POUNDS	20-24 POUNDS	25-29 POUNDS	30-34 POUNDS	35 POUNDS OR MORE	NOT STATED
ALL RACES <sup>1/</sup> .....	24,728	2,561	2,494	1,948	2,219	1,448	1,374	2,022	10,662
UNDER 20 YEARS.....	3,875	470	399	323	299	174	207	279	1,724
20-24 YEARS.....	6,488	698	664	492	583	341	346	536	2,828
25-29 YEARS.....	6,542	641	680	513	599	436	363	561	2,749
30-34 YEARS.....	4,930	468	492	370	456	315	294	422	2,113
35-39 YEARS.....	2,330	224	213	207	226	152	140	181	987
40-49 YEARS.....	563	60	46	43	56	30	24	43	261
WHITE.....	16,370	1,634	1,643	1,413	1,571	1,105	1,047	1,509	6,448
UNDER 20 YEARS.....	2,136	236	203	199	180	110	145	201	862
20-24 YEARS.....	4,066	418	434	336	391	249	252	394	1,592
25-29 YEARS.....	4,513	449	453	398	423	348	279	428	1,735
30-34 YEARS.....	3,560	323	361	289	357	266	241	330	1,393
35-39 YEARS.....	1,695	167	159	161	175	112	111	125	685
40-49 YEARS.....	400	41	33	30	45	20	19	31	181
BLACK.....	7,757	866	794	493	588	297	299	478	3,942
UNDER 20 YEARS.....	1,675	223	195	118	115	61	60	72	831
20-24 YEARS.....	2,283	267	218	148	173	82	90	135	1,170
25-29 YEARS.....	1,870	174	209	105	161	75	75	121	950
30-34 YEARS.....	1,235	136	117	73	84	40	45	88	652
35-39 YEARS.....	557	52	47	37	45	30	25	51	270
40-49 YEARS.....	137	14	8	12	10	9	4	11	69

<sup>1/</sup> INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 9  
 FETAL DEATHS WITH SELECTED OBSTETRIC PROCEDURES BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990

FETAL DEATHS[ INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.

OBSTETRIC PROCEDURE AND RACE OF MOTHER	ALL FETAL DEATHS 1/	OBSTETRIC PROCEDURE REPORTED							OBSTETRIC PROCEDURE NOT REPORTED	NOT STATED
		AGE OF MOTHER								
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-49 YEARS		
ALL RACES 2/										
AMNIOCENTESIS.....	29,102	1,672	109	252	349	383	476	103	23,723	3,707
ELECTRONIC FETAL MONITORING.....	29,102	6,556	1,011	1,727	1,749	1,331	593	145	18,839	3,707
INDUCTION OF LABOR.....	29,102	6,854	914	1,714	1,884	1,447	707	188	18,541	3,707
STIMULATION OF LABOR.....	29,102	2,161	324	567	571	475	181	43	23,234	3,707
TOCDLYSIS.....	29,102	785	123	197	198	182	77	8	24,610	3,707
ULTRASOUND.....	27,601	13,583	1,971	3,575	3,597	2,789	1,352	299	10,556	3,462
WHITE										
AMNIOCENTESIS.....	19,754	1,378	85	190	280	339	400	84	15,898	2,478
ELECTRONIC FETAL MONITORING.....	19,754	4,435	606	1,109	1,220	968	427	105	12,841	2,478
INDUCTION OF LABOR.....	19,754	5,046	574	1,236	1,413	1,131	558	134	12,230	2,478
STIMULATION OF LABOR.....	19,754	1,505	199	360	410	364	137	35	15,771	2,478
TOCDLYSIS.....	19,754	570	77	142	152	134	61	4	16,706	2,478
ULTRASOUND.....	18,848	9,566	1,201	2,384	2,611	2,125	1,026	219	6,899	2,383
BLACK										
AMNIOCENTESIS.....	8,414	241	24	56	50	38	58	15	7,063	1,110
ELECTRONIC FETAL MONITORING.....	8,414	1,938	385	569	483	325	143	33	5,366	1,110
INDUCTION OF LABOR.....	8,414	1,589	321	436	401	272	113	46	5,715	1,110
STIMULATION OF LABOR.....	8,414	606	121	196	143	101	39	6	6,698	1,110
TOCDLYSIS.....	8,414	197	42	51	42	43	15	4	7,107	1,110
ULTRASOUND.....	7,848	3,627	730	1,106	879	572	279	61	3,259	962

1/ TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIED OBSTETRIC PROCEDURE.

2/ INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 10  
 FETAL DEATHS WITH SELECTED COMPLICATIONS OF LABOR AND/OR DELIVERY BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, 1990  
 [FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.]

COMPLICATIONS AND RACE OF MOTHER	ALL FETAL DEATHS <sup>1/</sup>	COMPLICATION REPORTED								COMPLI-CATION NOT REPORTED	NOT STATED
		AGE OF MOTHER									
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS		
ALL RACES <u>2/</u>											
FEBRILE.....	29,102	1,164	170	266	320	274	120	13	1	23,261	4,677
MECONIUM, MODERATE/HEAVY.....	29,102	1,458	195	382	372	334	143	29	3	22,967	4,677
PREMATURE RUPTURE OF MEMBRANE.....	29,102	2,186	297	553	564	483	243	45	1	22,239	4,677
ABRUPTIO PLACENTA.....	29,102	2,358	391	669	620	440	184	53	1	22,067	4,677
PLACENTA PREVIA.....	29,102	263	45	84	59	50	25	-	-	24,162	4,677
OTHER EXCESSIVE BLEEDING.....	29,102	430	76	99	120	95	28	12	-	23,995	4,677
SEIZURES DURING LABOR.....	29,102	38	8	6	6	8	6	4	-	24,387	4,677
PRECIPITOUS LABOR.....	29,102	352	60	94	86	68	35	9	-	24,073	4,677
PROLONGED LABOR.....	29,102	164	22	37	42	41	18	3	1	24,261	4,677
DYSFUNCTIONAL LABOR.....	29,102	160	27	36	45	30	18	4	-	24,265	4,677
BREECH/MALPRESENTATION.....	28,886	2,895	534	735	699	575	282	69	1	21,353	4,638
CEPHALOPELVIC DISPROPORTION....	25,720	171	21	26	54	40	25	5	-	22,124	3,425
CORD PROLAPSE.....	29,102	621	108	157	145	148	50	13	-	23,804	4,677
ANESTHETIC COMPLICATIONS.....	27,060	25	6	6	4	2	6	1	-	23,282	3,753
FETAL DISTRESS.....	27,060	671	92	177	183	131	71	14	3	22,636	3,753

FETAL DEATH DOCUMENTATION TABLE 10

FETAL DEATHS WITH SELECTED COMPLICATIONS OF LABOR AND/OR DELIVERY BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, 1990  
 [FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.-Continued

COMPLICATIONS AND RACE OF MOTHER	ALL FETAL DEATHS 1/	COMPLICATION REPORTED								COMPLI- CATION NOT REPORTED	NOT STATED
		AGE OF MOTHER									
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS		
WHITE											
FEBRILE.....	19,754	732	84	159	202	192	85	9	1	15,770	3,252
MECONIUM, MODERATE/HEAVY.....	19,754	1,094	125	288	290	256	110	23	2	15,408	3,252
PREMATURE RUPTURE OF MEMBRANE.....	19,754	1,277	148	305	326	299	163	36	-	15,225	3,252
ABRUPTIO PLACENTA.....	19,754	1,543	226	413	424	300	138	42	-	14,959	3,252
PLACENTA PREVIA.....	19,754	167	29	47	40	33	18	-	-	16,335	3,252
OTHER EXCESSIVE BLEEDING.....	19,754	291	47	59	89	68	20	8	-	16,211	3,252
SEIZURES DURING LABOR.....	19,754	26	5	5	5	7	2	2	-	16,476	3,252
PRECIPITOUS LABOR.....	19,754	219	34	56	56	43	24	6	-	16,283	3,252
PROLONGED LABOR.....	19,754	129	14	29	32	37	14	2	1	16,373	3,252
DYSFUNCTIONAL LABOR.....	19,754	122	20	30	36	18	15	3	-	16,380	3,252
BREECH/MALPRESENTATION.....	19,574	1,944	317	453	483	423	216	52	-	14,414	3,216
CEPHALOPELVIC DISPROPORTION...	17,167	130	14	22	42	29	21	2	-	14,724	2,313
CORD PROLAPSE.....	19,754	436	67	93	112	117	36	11	-	16,066	3,252
ANESTHETIC COMPLICATIONS.....	18,225	14	3	5	2	1	3	-	-	15,626	2,585
FETAL DISTRESS.....	18,225	454	61	103	136	96	45	11	2	15,186	2,585

FETAL DEATH DOCUMENTATION TABLE 10  
 FETAL DEATHS WITH SELECTED COMPLICATIONS OF LABOR AND/OR DELIVERY BY AGE AND RACE OF MOTHER: TOTAL OF 45 REPORTING STATES, 1990  
 [FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.-Continued

COMPLICATIONS AND RACE OF MOTHER	ALL FETAL DEATHS 1/	COMPLICATION REPORTED								COMPLI- CATION NOT REPORTED	NOT STATED
		AGE OF MOTHER									
		ALL AGES	UNDER 20 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS		
BLACK											
FEBRILE.....	8,414	406	84	105	107	74	32	4	-	6,754	1,254
MECONIUM, MODERATE/HEAVY.....	8,414	321	65	90	71	65	26	4	-	6,839	1,254
PREMATURE RUPTURE OF MEMBRANE.....	8,414	860	141	241	229	169	70	9	1	6,300	1,254
ABRUPTIO PLACENTA.....	8,414	749	160	237	180	125	37	9	1	6,411	1,254
PLACENTA PREVIA.....	8,414	87	15	35	16	15	6	-	-	7,073	1,254
OTHER EXCESSIVE BLEEDING.....	8,414	129	28	38	29	25	7	2	-	7,031	1,254
SEIZURES DURING LABOR.....	8,414	11	3	1	1	1	3	2	-	7,149	1,254
PRECIPITOUS LABOR.....	8,414	121	24	35	26	25	9	2	-	7,039	1,254
PROLONGED LABOR.....	8,414	30	7	6	10	4	3	-	-	7,130	1,254
DYSFUNCTIONAL LABOR.....	8,414	32	7	6	6	9	3	1	-	7,128	1,254
BREECH/MALPRESENTATION.....	8,384	865	209	248	201	135	58	13	1	6,267	1,252
CEPHALOPELVIC DISPROPORTION.....	7,684	29	7	4	6	7	3	2	-	6,684	971
CORD PROLAPSE.....	8,414	165	39	58	31	25	10	2	-	6,995	1,254
ANESTHETIC COMPLICATIONS.....	7,938	9	3	1	2	1	1	1	-	6,906	1,023
FETAL DISTRESS.....	7,938	186	30	64	42	31	15	3	1	6,729	1,023

1/ TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIED COMPLICATIONS  
 2/ INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 11  
 FETAL DEATHS BY METHOD OF DELIVERY BY AGE AND RACE OF MOTHER: TOTAL OF 44 REPORTING STATES, NEW YORK CITY, AND THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.)

AGE AND RACE OF MOTHER	ALL FETAL DEATHS	METHOD OF DELIVERY											
		VAGINAL							CESAREAN			HYSTE- ROTOMY OR HYSTE- RECTOMY	NOT STATED
		TOTAL	VAGINAL BIRTH AFTER CESAREAN			OTHER VAGINAL			TOTAL	PRIMARY	REPEAT		
			ALL <u>1/</u>	FORCEPS	VACUUM	ALL <u>1/</u>	FORCEPS	VACUUM					
ALL RACES <u>2/</u>	27,762	22,088	669	18	11	21,419	393	311	2,464	1,752	712	121	3,089
UNDER 15 YEARS.....	157	134	-	-	-	134	1	2	4	4	-	-	19
15-19 YEARS.....	4,105	3,390	43	-	-	3,347	39	34	257	228	29	16	442
20-24 YEARS.....	7,230	5,843	143	4	1	5,700	116	87	609	444	165	23	755
25-29 YEARS.....	7,377	5,787	197	4	4	5,590	112	81	680	485	195	33	877
30-34 YEARS.....	5,536	4,322	184	5	3	4,138	70	65	558	375	183	30	626
35-39 YEARS.....	2,688	2,098	85	4	3	2,013	42	32	278	165	113	16	296
40-44 YEARS.....	637	492	16	1	-	476	13	10	74	48	26	3	68
45-49 YEARS.....	32	22	1	-	-	21	-	-	4	3	1	-	6
WHITE	18,696	14,712	434	15	9	14,278	310	239	1,810	1,288	522	79	2,095
UNDER 15 YEARS.....	53	47	-	-	-	47	-	-	-	-	-	-	6
15-19 YEARS.....	2,388	1,962	13	-	-	1,949	31	27	163	146	17	9	254
20-24 YEARS.....	4,665	3,745	81	2	1	3,664	96	67	433	330	103	13	474
25-29 YEARS.....	5,152	3,986	133	4	3	3,853	89	68	516	358	158	23	627
30-34 YEARS.....	4,004	3,098	136	4	3	2,962	55	50	430	296	134	23	453
35-39 YEARS.....	1,950	1,504	58	4	2	1,446	29	21	210	122	88	9	227
40-44 YEARS.....	462	355	12	1	-	343	10	6	55	34	21	2	50
45-49 YEARS.....	22	15	1	-	-	14	-	-	3	2	1	-	4
BLACK	8,160	6,639	216	3	2	6,423	63	59	571	405	166	42	908
UNDER 15 YEARS.....	101	86	-	-	-	86	1	2	3	3	-	-	12
15-19 YEARS.....	1,634	1,352	30	-	-	1,322	8	6	90	78	12	7	185
20-24 YEARS.....	2,376	1,951	59	2	-	1,892	16	18	158	102	56	10	257
25-29 YEARS.....	1,976	1,600	61	-	1	1,539	19	13	144	109	35	10	222
30-34 YEARS.....	1,323	1,052	43	1	-	1,009	10	12	108	69	39	7	156
35-39 YEARS.....	600	482	21	-	1	461	6	5	52	30	22	7	59
40-44 YEARS.....	142	110	2	-	-	108	3	3	15	13	2	1	16
45-49 YEARS.....	8	6	-	-	-	6	-	-	1	1	-	-	1

1/ INCLUDES FETAL DEATHS THAT WERE NOT DELIVERED BY FORCEPS OR VACUUM EXTRACTION.

2/ INCLUDES RACES OTHER THAN WHITE AND BLACK.

FETAL DEATH DOCUMENTATION TABLE 12  
 FETAL DEATHS WITH SELECTED CONGENITAL ANOMALIES BY PERIOD OF GESTATION AND RACE OF MOTHER: TOTAL OF 42 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.)

CONGENITAL ANOMALY AND RACE OF MOTHER	ALL FETAL DEATHS 1/	CONGENITAL ANOMALY REPORTED						CONGENI- TAL ANOMALY NOT REPORTED	NOT STATED
		Period of gestation							
		TOTAL 2/	20-27 WEEKS	28-31 WEEKS	32-36 WEEKS	37-39 WEEKS	40 WEEKS OR MORE		
ALL RACES 2/									
ANENCEPHALUS.....	25,526	359	113	64	96	39	31	20,903	4,264
SPINA BIFIDA/MENINGOCELE.....	25,526	159	80	21	33	15	7	21,103	4,264
HYDROCEPHALUS.....	25,526	250	127	25	48	27	14	21,012	4,264
MICROCEPHALUS.....	25,526	50	16	3	11	6	9	21,212	4,264
OTHER CENTRAL NERVOUS SYSTEM ANOMALIES..	25,526	216	114	26	30	19	21	21,046	4,264
HEART MALFORMATIONS.....	25,526	225	67	37	66	27	22	21,037	4,264
OTHER CIRCULATORY/RESPIRATORY ANOMALIES.	25,526	207	88	33	45	20	15	21,055	4,264
RECTAL ATRESIA/STENOSIS.....	25,526	32	6	5	9	3	6	21,230	4,264
TRACHEO-ESOPHAGEAL FISTULA/ESOPHAGEAL ATRESIA.....	25,526	24	4	3	10	4	1	21,238	4,264
OMPHALOCELE/GASTROSCHISIS.....	25,526	143	45	21	40	18	12	21,119	4,264
OTHER GASTROINTESTINAL ANOMALIES.....	25,526	107	44	13	30	9	7	21,155	4,264
MALFORMED GENITALIA.....	25,526	106	35	13	30	9	17	21,156	4,264
RENAL AGENESIS.....	25,526	116	59	14	23	10	8	21,146	4,264
OTHER UROGENITAL ANOMALIES.....	25,526	130	55	15	26	16	14	21,132	4,264
CLEFT LIP/PALATE.....	25,526	191	58	34	53	20	18	21,071	4,264
POLYDACTYLY/SYNDACTYLY/ADACTYLY.....	25,526	121	32	24	30	14	13	21,141	4,264
CLUB FOOT.....	25,526	102	32	18	30	13	7	21,160	4,264
DIAPHRAGMATIC HERNIA.....	25,526	37	17	2	10	2	5	21,225	4,264
OTHER MUSCULOSKELETAL/INTEGUMENTAL ANOMALIES.....	25,526	247	103	35	54	23	25	21,015	4,264
DOWN'S SYNDROME.....	25,526	164	74	14	34	22	14	21,098	4,264
OTHER CHROMOSOMAL ANOMALIES.....	25,526	303	162	31	50	40	15	20,959	4,264

FETAL DEATH DOCUMENTATION TABLE 12  
 FETAL DEATHS WITH SELECTED CONGENITAL ANOMALIES BY PERIOD OF GESTATION AND RACE OF MOTHER: TOTAL OF 42 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.)-Continued

CONGENITAL ANOMALY AND RACE OF MOTHER	ALL FETAL DEATHS 1/	CONGENITAL ANOMALY REPORTED						CONGENI- TAL ANOMALY NOT REPORTED	NOT STATED
		Period of gestation							
		TOTAL 2/	20-27 WEEKS	28-31 WEEKS	32-36 WEEKS	37-39 WEEKS	40 WEEKS OR MORE		
WHITE									
ANENCEPHALUS.....	17,497	303	98	55	77	31	27	14,383	2,811
SPINA BIFIDA/MENINGOCELE.....	17,497	141	71	18	30	12	7	14,545	2,811
HYDROCEPHALUS.....	17,497	211	109	20	42	21	11	14,475	2,811
MICROCEPHALUS.....	17,497	42	14	2	8	6	8	14,644	2,811
OTHER CENTRAL NERVOUS SYSTEM ANOMALIES..	17,497	172	94	22	19	14	18	14,514	2,811
HEART MALFORMATIONS.....	17,497	184	56	30	54	22	17	14,502	2,811
OTHER CIRCULATORY/RESPIRATORY ANOMALIES..	17,497	174	72	29	37	19	13	14,512	2,811
RECTAL ATRESIA/STENOSIS.....	17,497	25	4	5	7	2	4	14,661	2,811
TRACHEO-ESOPHAGEAL FISTULA/ESOPHAGEAL ATRESIA.....	17,497	21	3	3	9	4	1	14,665	2,811
OMPHALOCELE/GASTROSCHISIS.....	17,497	114	37	17	32	14	8	14,572	2,811
OTHER GASTROINTESTINAL ANOMALIES.....	17,497	90	37	12	23	9	5	14,596	2,811
MALFORMED GENITALIA.....	17,497	84	29	11	23	8	12	14,602	2,811
RENAL AGENESIS.....	17,497	105	55	13	21	8	7	14,581	2,811
OTHER UROGENITAL ANOMALIES.....	17,497	107	47	14	19	14	10	14,579	2,811
CLEFT LIP/PALATE.....	17,497	149	43	29	41	18	14	14,537	2,811
POLYDACTYLY/SYNDACTYLY/ADACTYLY.....	17,497	94	22	22	25	12	9	14,592	2,811
CLUB FOOT.....	17,497	87	26	18	25	10	6	14,599	2,811
DIAPHRAGMATIC HERNIA.....	17,497	28	13	2	7	2	4	14,658	2,811
OTHER MUSCULOSKELETAL/INTEGUMENTAL ANOMALIES.....	17,497	188	79	30	41	17	16	14,498	2,811
DOWN'S SYNDROME.....	17,497	137	62	12	29	18	11	14,549	2,811
OTHER CHROMOSOMAL ANOMALIES.....	17,497	248	135	27	39	32	10	14,438	2,811

FETAL DEATH DOCUMENTATION TABLE 12  
 FETAL DEATHS WITH SELECTED CONGENITAL ANOMALIES BY PERIOD OF GESTATION AND RACE OF MOTHER: TOTAL OF 42 REPORTING STATES, AND  
 THE DISTRICT OF COLUMBIA, 1990  
 (FETAL DEATHS INCLUDE ONLY THOSE WITH STATED OR PRESUMED PERIOD OF GESTATION OF 20 WEEKS OR MORE; SEE TECHNICAL APPENDIX.  
 FOR A LISTING OF REPORTING AREAS SEE TECHNICAL APPENDIX.)-Continued

CONGENITAL ANOMALY AND RACE OF MOTHER	ALL FETAL DEATHS 1/	CONGENITAL ANOMALY REPORTED						CONGENI- TAL ANOMALY NOT REPORTED	NOT STATED
		Period of gestation							
		TOTAL 2/	20-27 WEEKS	28-31 WEEKS	32-36 WEEKS	37-39 WEEKS	40 WEEKS OR MORE		
BLACK									
ANENCEPHALUS.....	7,213	46	12	7	17	8	2	5,850	1,317
SPINA BIFIDA/MENINGOCELE.....	7,213	15	8	3	1	3	-	5,881	1,317
HYDROCEPHALUS.....	7,213	38	17	5	6	6	3	5,858	1,317
MICROCEPHALUS.....	7,213	6	2	-	2	-	1	5,890	1,317
OTHER CENTRAL NERVOUS SYSTEM ANOMALIES..	7,213	39	19	3	9	4	3	5,857	1,317
HEART MALFORMATIONS.....	7,213	35	10	6	10	4	4	5,861	1,317
OTHER CIRCULATORY/RESPIRATORY ANOMALIES.	7,213	30	14	3	8	1	2	5,866	1,317
RECTAL ATRESIA/STENOSIS.....	7,213	7	2	-	2	1	2	5,889	1,317
TRACHEO-ESOPHAGEAL FISTULA/ESOPHAGEAL ATRESIA.....	7,213	3	1	-	1	-	-	5,893	1,317
OMPHALOCELE/GASTROSCHISIS.....	7,213	23	4	3	7	4	4	5,873	1,317
OTHER GASTROINTESTINAL ANOMALIES.....	7,213	14	6	1	5	-	2	5,882	1,317
MALFORMED GENITALIA.....	7,213	19	6	1	6	1	4	5,877	1,317
RENAL AGENESIS.....	7,213	10	4	-	2	2	1	5,886	1,317
OTHER UROGENITAL ANOMALIES.....	7,213	21	7	1	6	2	4	5,875	1,317
CLEFT LIP/PALATE.....	7,213	31	14	4	6	2	2	5,865	1,317
POLYDACTYLY/SYNDACTYLY/ADACTYLY.....	7,213	22	9	2	3	2	3	5,874	1,317
CLUB FOOT.....	7,213	13	6	-	4	3	-	5,883	1,317
DIAPHRAGMATIC HERNIA.....	7,213	7	2	-	3	-	1	5,889	1,317
OTHER MUSCULOSKELETAL/INTEGUMENTAL ANOMALIES.....	7,213	49	21	4	9	6	7	5,847	1,317
DOWN'S SYNDROME.....	7,213	23	11	1	4	4	3	5,873	1,317
OTHER CHROMOSOMAL ANOMALIES.....	7,213	44	22	1	9	8	4	5,852	1,317

1/ TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIED CONGENITAL ANOMALY.  
 2/ INCLUDES FETAL DEATHS WITH PERIOD OF GESTATION NOT STATED.

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
UNITED STATES .....	64,349			31,422		
GESTATION						
CLINICAL ESTIMATE .....		11,627	18.1		7,184	22.9
AS COMPUTED .....		14,255	22.2		5,624	17.9
COMBINED .....		4,134	6.4		2,044	6.5
PLACE OF DELIVERY .....		41	0.1		28	0.1
PRENATAL CARE						
MONTH BEGAN .....		20,670	32.1		4,566	14.5
NUMBER OF VISITS .....		21,874	34.0		5,309	16.9
FETUS						
SEX <sup>1</sup> .....		30,430	47.3		-	*
BIRTH WEIGHT .....		33,026	51.3		3,572	11.4
MOTHER						
MARITAL STATUS .....		26,926	41.8		12,730	40.5
EDUCATION .....		29,035	45.1		6,466	20.6
HISPANIC ORIGIN .....		12,687	19.7		4,197	13.4
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		5,000	7.8		1,746	5.6
BORN LIVE, NOW DEAD .....		5,202	8.1		1,836	5.8
OTHER TERMINATIONS .....		5,306	8.2		1,923	6.1
FATHER						
RACE .....		29,515	45.9		9,062	28.8
AGE .....		34,841	54.1		11,240	35.8
EDUCATION .....		40,989	63.7		12,845	40.9
HISPANIC ORIGIN .....		32,880	51.1		11,184	35.6
MEDICAL RISK FACTORS .....		19,823	30.8		6,521	20.8
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		38,352	59.6		14,298	45.5
ALCOHOL USE DURING PREGNANCY		38,824	60.3		14,330	45.6
WEIGHT GAIN DURING PREGNANCY ..		43,834	68.1		17,292	55.0
OBSTETRIC PROCEDURES .....		18,641	29.0		5,870	18.7
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		21,714	33.7		6,831	21.7
CONGENITAL ANOMALIES OF FETUS .....		33,196	51.6		10,001	31.8
UNDERLYING CAUSE OF DEATH .....		64,349	100.0		31,422	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
ALABAMA .....	682			659		
GESTATION						
CLINICAL ESTIMATE .....		12	*		12	*
AS COMPUTED .....		89	13.0		89	13.5
COMBINED .....		7	*		7	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		44	6.5		44	6.7
NUMBER OF VISITS .....		44	6.5		44	6.7
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		55	8.1		53	8.0
MOTHER						
MARITAL STATUS .....		-	*		-	*
EDUCATION .....		59	8.7		55	8.3
HISPANIC ORIGIN .....		-	*		-	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		12	*		12	*
BORN LIVE, NOW DEAD .....		12	*		12	*
OTHER TERMINATIONS .....		12	*		12	*
FATHER						
RACE .....		301	44.1		284	43.1
AGE .....		311	45.6		294	44.6
EDUCATION .....		340	49.9		323	49.0
HISPANIC ORIGIN .....		300	44.0		283	42.9
MEDICAL RISK FACTORS .....		31	4.5		29	4.4
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		20	2.9		20	3.0
ALCOHOL USE DURING PREGNANCY .....		21	3.1		21	3.2
WEIGHT GAIN DURING PREGNANCY .....		165	24.2		157	23.8
OBSTETRIC PROCEDURES .....		27	4.0		26	3.9
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		30	4.4		30	4.6
CONGENITAL ANOMALIES OF FETUS .....		42	6.2		41	6.2
UNDERLYING CAUSE OF DEATH .....		682	100.0		659	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
ALASKA .....	60			59		
GESTATION						
CLINICAL ESTIMATE .....		7	*		7	*
AS COMPUTED .....		7	*		7	*
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		6	*		6	*
NUMBER OF VISITS .....		7	*		7	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		8	*		7	*
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		11	*		11	*
HISPANIC ORIGIN .....		6	*		6	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		2	*		2	*
BORN LIVE, NOW DEAD .....		2	*		2	*
OTHER TERMINATIONS .....		2	*		2	*
FATHER						
RACE .....		11	*		11	*
AGE .....		14	*		14	*
EDUCATION .....		16	*		16	*
HISPANIC ORIGIN .....		12	*		12	*
MEDICAL RISK FACTORS .....		5	*		5	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		10	*		10	*
ALCOHOL USE DURING PREGNANCY		10	*		10	*
WEIGHT GAIN DURING PREGNANCY ..		21	35.0		21	35.6
OBSTETRIC PROCEDURES .....		5	*		5	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		8	*		8	*
CONGENITAL ANOMALIES OF FETUS .....		7	*		6	*
UNDERLYING CAUSE OF DEATH .....		60	100.0		59	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
\* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
ARIZONA .....	411			406		
GESTATION						
CLINICAL ESTIMATE .....		14	*		14	*
AS COMPUTED .....		68	16.5		68	16.7
COMBINED .....		11	*		11	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		40	9.7		39	9.6
NUMBER OF VISITS .....		51	12.4		49	12.1
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		26	6.3		25	6.2
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		24	5.8		24	5.9
HISPANIC ORIGIN .....		9	*		9	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		9	*		9	*
BORN LIVE, NOW DEAD .....		12	*		12	*
OTHER TERMINATIONS .....		14	*		14	*
FATHER						
RACE .....		117	28.5		115	28.3
AGE .....		162	39.4		160	39.4
EDUCATION .....		147	35.8		145	35.7
HISPANIC ORIGIN .....		112	27.3		110	27.1
MEDICAL RISK FACTORS .....		7	*		7	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		19	*		19	*
ALCOHOL USE DURING PREGNANCY .....		21	5.1		21	5.2
WEIGHT GAIN DURING PREGNANCY ..		136	33.1		134	33.0
OBSTETRIC PROCEDURES .....		7	*		7	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		5	*		5	*
CONGENITAL ANOMALIES OF FETUS .....		7	*		7	*
UNDERLYING CAUSE OF DEATH .....		411	100.0		406	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
ARKANSAS .....	268			263		
GESTATION						
CLINICAL ESTIMATE .....		8	*		8	*
AS COMPUTED .....		41	15.3		41	15.6
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		1	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		32	11.9		32	12.2
NUMBER OF VISITS .....		47	17.5		47	17.9
FETUS						
SEX <sup>1</sup> .....			*			*
BIRTH WEIGHT .....		20	7.5		18	*
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		16	*		16	*
HISPANIC ORIGIN .....		1	*		1	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		2	*		2	*
BORN LIVE, NOW DEAD .....		2	*		2	*
OTHER TERMINATIONS .....		2	*		2	*
FATHER						
RACE .....		80	29.9		77	29.3
AGE .....		94	35.1		91	34.6
EDUCATION .....		91	34.0		88	33.5
HISPANIC ORIGIN .....		81	30.2		78	29.7
MEDICAL RISK FACTORS .....		4	*		4	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		3	*		3	*
ALCOHOL USE DURING PREGNANCY .....		7	*		7	*
WEIGHT GAIN DURING PREGNANCY ..		80	29.9		80	30.4
OBSTETRIC PROCEDURES .....		1	*		1	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		2	*		2	*
CONGENITAL ANOMALIES OF FETUS .....		4	*		4	*
UNDERLYING CAUSE OF DEATH .....		268	100.0		263	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
CALIFORNIA .....	4,086			4,017		
GESTATION						
CLINICAL ESTIMATE .....		4,086	100.0		4,017	100.0
AS COMPUTED .....		461	11.3		461	11.5
COMBINED .....		487	11.9		487	12.1
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		366	9.0		362	9.0
NUMBER OF VISITS .....		415	10.2		406	10.1
FETUS						
SEX <sup>1</sup> .....		4	*		-	*
BIRTH WEIGHT .....		73	1.8		68	1.7
MOTHER						
MARITAL STATUS .....		4,086	100.0		4,017	100.0
EDUCATION .....		464	11.4		446	11.1
HISPANIC ORIGIN .....		95	2.3		95	2.4
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		221	5.4		219	5.5
BORN LIVE, NOW DEAD .....		239	5.8		237	5.9
OTHER TERMINATIONS .....		258	6.3		256	6.4
FATHER						
RACE .....		326	8.0		315	7.8
AGE .....		721	17.6		700	17.4
EDUCATION .....		778	19.0		757	18.8
HISPANIC ORIGIN .....		315	7.7		304	7.6
MEDICAL RISK FACTORS .....		524	12.8		514	12.8
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		4,086	100.0		4,017	100.0
ALCOHOL USE DURING PREGNANCY .....		4,086	100.0		4,017	100.0
WEIGHT GAIN DURING PREGNANCY .....		4,086	100.0		4,017	100.0
OBSTETRIC PROCEDURES .....		464	11.4		452	11.3
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		758	18.6		747	18.6
CONGENITAL ANOMALIES OF FETUS .....		310	7.6		306	7.6
UNDERLYING CAUSE OF DEATH .....		4,086	100.0		4,017	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
COLORADO .....	363			357		
GESTATION						
CLINICAL ESTIMATE .....		1	*		1	*
AS COMPUTED .....		56	15.4		56	15.7
COMBINED .....		4	*		4	*
PLACE OF DELIVERY .....			*			*
PRENATAL CARE						
MONTH BEGAN .....		52	14.3		49	13.7
NUMBER OF VISITS .....		66	18.2		63	17.6
FETUS						
SEX <sup>1</sup> .....		2	*			*
BIRTH WEIGHT .....		52	14.3		48	13.4
MOTHER						
MARITAL STATUS .....		2	*		2	*
EDUCATION .....		59	16.3		57	16.0
HISPANIC ORIGIN .....		22	6.1		22	6.2
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		2	*		2	*
BORN LIVE, NOW DEAD .....		3	*		3	*
OTHER TERMINATIONS .....		3	*		3	*
FATHER						
RACE .....		116	32.0		113	31.7
AGE .....		134	36.9		130	36.4
EDUCATION .....		140	38.6		136	38.1
HISPANIC ORIGIN .....		119	32.8		116	32.5
MEDICAL RISK FACTORS .....		68	18.7		66	18.5
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		100	27.5		96	26.9
ALCOHOL USE DURING PREGNANCY .....		111	30.6		107	30.0
WEIGHT GAIN DURING PREGNANCY .....		174	47.9		169	47.3
OBSTETRIC PROCEDURES .....		61	16.8		59	16.5
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		67	18.5		65	18.2
CONGENITAL ANOMALIES OF FETUS .....		77	21.2		75	21.0
UNDERLYING CAUSE OF DEATH .....		363	100.0		357	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
CONNECTICUT .....	373			360		
GESTATION						
CLINICAL ESTIMATE .....		173	46.4		173	48.1
AS COMPUTED .....		232	62.2		229	63.6
COMBINED .....		162	43.4		162	45.0
PLACE OF DELIVERY .....		1	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		198	53.1		195	54.2
NUMBER OF VISITS .....		205	55.0		199	55.3
FETUS						
SEX <sup>1</sup> .....		1	*		-	*
BIRTH WEIGHT .....		43	11.5		37	10.3
MOTHER						
MARITAL STATUS .....		373	100.0		360	100.0
EDUCATION .....		269	72.1		263	73.1
HISPANIC ORIGIN .....		297	79.6		288	80.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		177	47.5		177	49.2
BORN LIVE, NOW DEAD .....		177	47.5		177	49.2
OTHER TERMINATIONS .....		178	47.7		178	49.4
FATHER						
RACE .....		98	26.3		95	26.4
AGE .....		112	30.0		110	30.6
EDUCATION .....		283	75.9		277	76.9
HISPANIC ORIGIN .....		373	100.0		360	100.0
MEDICAL RISK FACTORS .....		284	76.1		276	76.7
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		298	79.9		290	80.6
ALCOHOL USE DURING PREGNANCY .....		373	100.0		360	100.0
WEIGHT GAIN DURING PREGNANCY .....		373	100.0		360	100.0
OBSTETRIC PROCEDURES .....		282	75.6		274	76.1
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		293	78.6		283	78.6
CONGENITAL ANOMALIES OF FETUS .....		373	100.0		360	100.0
UNDERLYING CAUSE OF DEATH .....		373	100.0		360	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
DELAWARE .....	79			78		
GESTATION						
CLINICAL ESTIMATE .....		9	*		9	*
AS COMPUTED .....		11	*		10	*
COMBINED .....		5	*		5	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		8	*		7	*
NUMBER OF VISITS .....		10	*		9	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		8	*		7	*
MOTHER						
MARITAL STATUS .....		2	*		2	*
EDUCATION .....		9	*		8	*
HISPANIC ORIGIN .....		1	*		-	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		4	*		4	*
BORN LIVE, NOW DEAD .....		3	*		3	*
OTHER TERMINATIONS .....		4	*		4	*
FATHER						
RACE .....		28	35.4		27	34.6
AGE .....		36	45.6		36	46.2
EDUCATION .....		34	43.0		33	42.3
HISPANIC ORIGIN .....		27	34.2		26	33.3
MEDICAL RISK FACTORS .....		3	*		3	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		6	*		6	*
ALCOHOL USE DURING PREGNANCY		7	*		6	*
WEIGHT GAIN DURING PREGNANCY ..		16	*		15	*
OBSTETRIC PROCEDURES .....		2	*		2	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		5	*		5	*
CONGENITAL ANOMALIES OF FETUS .....		8	*		7	*
UNDERLYING CAUSE OF DEATH .....		79	100.0		78	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
DISTRICT OF COLUMBIA .....	261			253		
GESTATION						
CLINICAL ESTIMATE .....		49	18.8		49	19.4
AS COMPUTED .....		65	24.9		63	24.9
COMBINED .....		34	13.0		34	13.4
PLACE OF DELIVERY .....		1	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		79	30.3		77	30.4
NUMBER OF VISITS .....		81	31.0		79	31.2
FETUS						
SEX <sup>1</sup> .....		1	*		-	*
BIRTH WEIGHT .....		32	12.3		32	12.6
MOTHER						
MARITAL STATUS .....		34	13.0		33	13.0
EDUCATION .....		69	26.4		66	26.1
HISPANIC ORIGIN .....		13	*		13	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		18	*		17	*
BORN LIVE, NOW DEAD .....		18	*		17	*
OTHER TERMINATIONS .....		19	*		18	*
FATHER						
RACE .....		140	53.6		134	53.0
AGE .....		174	66.7		167	66.0
EDUCATION .....		165	63.2		159	62.8
HISPANIC ORIGIN .....		132	50.6		126	49.8
MEDICAL RISK FACTORS .....		110	42.1		106	41.9
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		156	59.8		150	59.3
ALCOHOL USE DURING PREGNANCY .....		169	64.8		162	64.0
WEIGHT GAIN DURING PREGNANCY .....		197	75.5		189	74.7
OBSTETRIC PROCEDURES .....		116	44.4		111	43.9
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		102	39.1		96	37.9
CONGENITAL ANOMALIES OF FETUS .....		161	61.7		157	62.1
UNDERLYING CAUSE OF DEATH .....		261	100.0		253	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
FLORIDA .....	1,665			1,625		
GESTATION						
CLINICAL ESTIMATE .....		169	10.2		169	10.4
AS COMPUTED .....		301	18.1		292	18.0
COMBINED .....		95	5.7		95	5.8
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		267	16.0		262	16.1
NUMBER OF VISITS .....		299	18.0		292	18.0
FETUS						
SEX <sup>1</sup> .....		1	*		-	*
BIRTH WEIGHT .....		170	10.2		165	10.2
MOTHER						
MARITAL STATUS .....		68	4.1		68	4.2
EDUCATION .....		238	14.3		234	14.4
HISPANIC ORIGIN .....		41	2.5		41	2.5
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		181	10.9		180	11.1
BORN LIVE, NOW DEAD .....		192	11.5		191	11.8
OTHER TERMINATIONS .....		196	11.8		195	12.0
FATHER						
RACE .....		392	23.5		381	23.4
AGE .....		503	30.2		488	30.0
EDUCATION .....		507	30.5		494	30.4
HISPANIC ORIGIN .....		399	24.0		388	23.9
MEDICAL RISK FACTORS .....		173	10.4		168	10.3
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		314	18.9		312	19.2
ALCOHOL USE DURING PREGNANCY .....		351	21.1		349	21.5
WEIGHT GAIN DURING PREGNANCY .....		810	48.6		793	48.8
OBSTETRIC PROCEDURES .....		171	10.3		167	10.3
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		187	11.2		183	11.3
CONGENITAL ANOMALIES OF FETUS .....		201	12.1		197	12.1
UNDERLYING CAUSE OF DEATH .....		1,665	100.0		1,625	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
GEORGIA .....	10,270			1,386		
GESTATION						
CLINICAL ESTIMATE .....		1,575	15.3		44	3.2
AS COMPUTED .....		3,059	29.8		242	17.5
COMBINED .....		746	7.3		7	*
PLACE OF DELIVERY .....		1	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		3,785	36.9		213	15.4
NUMBER OF VISITS .....		3,847	37.5		232	16.7
FETUS						
SEX <sup>1</sup> .....		8,492	82.7		-	*
BIRTH WEIGHT .....		8,527	83.0		253	18.3
MOTHER						
MARITAL STATUS .....		100	1.0		6	*
EDUCATION .....		4,931	48.0		428	30.9
HISPANIC ORIGIN .....		2,149	20.9		111	8.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		839	8.2		27	1.9
BORN LIVE, NOW DEAD .....		945	9.2		35	2.5
OTHER TERMINATIONS .....		955	9.3		44	3.2
FATHER						
RACE .....		5,832	56.8		761	54.9
AGE .....		7,267	70.8		942	68.0
EDUCATION .....		7,418	72.2		926	66.8
HISPANIC ORIGIN .....		6,371	62.0		807	58.2
MEDICAL RISK FACTORS .....		800	7.8		114	8.2
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		2,284	22.2		173	12.5
ALCOHOL USE DURING PREGNANCY .....		2,634	25.6		191	13.8
WEIGHT GAIN DURING PREGNANCY .....		7,333	71.4		747	53.9
OBSTETRIC PROCEDURES .....		654	6.4		48	3.5
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		854	8.3		68	4.9
CONGENITAL ANOMALIES OF FETUS .....		1,235	12.0		102	7.4
UNDERLYING CAUSE OF DEATH .....		10,270	100.0		1,386	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
HAWAII .....	1,743			150		
GESTATION						
CLINICAL ESTIMATE .....		217	12.4		7	*
AS COMPUTED .....		534	30.6		19	*
COMBINED .....		103	5.9		1	*
PLACE OF DELIVERY .....		2	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		735	42.2		43	28.7
NUMBER OF VISITS .....		727	41.7		39	26.0
FETUS						
SEX <sup>1</sup> .....		1,565	89.8		-	*
BIRTH WEIGHT .....		1,143	65.6		39	26.0
MOTHER						
MARITAL STATUS .....		16	*		1	*
EDUCATION .....		1,069	61.3		38	25.3
HISPANIC ORIGIN .....		355	20.4		23	15.3
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		20	1.1		-	*
BORN LIVE, NOW DEAD .....		26	1.5		-	*
OTHER TERMINATIONS .....		26	1.5		-	*
FATHER						
RACE .....		1,082	62.1		43	28.7
AGE .....		1,114	63.9		48	32.0
EDUCATION .....		1,201	68.9		54	36.0
HISPANIC ORIGIN .....		943	54.1		50	33.3
MEDICAL RISK FACTORS .....		1,743	100.0		150	100.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		1,743	100.0		150	100.0
ALCOHOL USE DURING PREGNANCY .....		1,743	100.0		150	100.0
WEIGHT GAIN DURING PREGNANCY .....		1,743	100.0		150	100.0
OBSTETRIC PROCEDURES .....		1,743	100.0		150	100.0
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		1,743	100.0		150	100.0
CONGENITAL ANOMALIES OF FETUS .....		1,743	100.0		150	100.0
UNDERLYING CAUSE OF DEATH .....		1,743	100.0		150	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
IDAHO .....	112			110		
GESTATION						
CLINICAL ESTIMATE .....		2	*		2	*
AS COMPUTED .....		12	*		11	*
COMBINED .....		1	*		1	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		12	*		11	*
NUMBER OF VISITS .....		20	17.9		19	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		5	*		4	*
MOTHER						
MARITAL STATUS .....		-	*		-	*
EDUCATION .....		17	*		16	*
HISPANIC ORIGIN .....		9	*		8	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		1	*		1	*
BORN LIVE, NOW DEAD .....		1	*		1	*
OTHER TERMINATIONS .....		1	*		1	*
FATHER						
RACE .....		17	*		16	*
AGE .....		20	17.9		19	*
EDUCATION .....		24	21.4		23	20.9
HISPANIC ORIGIN .....		15	*		14	*
MEDICAL RISK FACTORS .....		4	*		4	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		4	*		4	*
ALCOHOL USE DURING PREGNANCY .....		12	*		11	*
WEIGHT GAIN DURING PREGNANCY .....		30	26.8		29	26.4
OBSTETRIC PROCEDURES .....		2	*		2	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		3	*		3	*
CONGENITAL ANOMALIES OF FETUS .....		6	*		6	*
UNDERLYING CAUSE OF DEATH .....		112	100.0		110	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
ILLINOIS .....	1,513			1,475		
GESTATION						
CLINICAL ESTIMATE .....		87	5.8		86	5.8
AS COMPUTED .....		234	15.5		232	15.7
COMBINED .....		53	3.5		53	3.6
PLACE OF DELIVERY .....		1	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		176	11.6		173	11.7
NUMBER OF VISITS .....		189	12.5		185	12.5
FETUS						
SEX <sup>1</sup> .....		2	*		-	*
BIRTH WEIGHT .....		124	8.2		119	8.1
MOTHER						
MARITAL STATUS .....		86	5.7		86	5.8
EDUCATION .....		160	10.6		154	10.4
HISPANIC ORIGIN .....		102	6.7		99	6.7
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		118	7.8		115	7.8
BORN LIVE, NOW DEAD .....		118	7.8		115	7.8
OTHER TERMINATIONS .....		128	8.5		125	8.5
FATHER						
RACE .....		290	19.2		282	19.1
AGE .....		478	31.6		468	31.7
EDUCATION .....		477	31.5		465	31.5
HISPANIC ORIGIN .....		277	18.3		269	18.2
MEDICAL RISK FACTORS .....		295	19.5		290	19.7
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		349	23.1		337	22.8
ALCOHOL USE DURING PREGNANCY .....		385	25.4		373	25.3
WEIGHT GAIN DURING PREGNANCY .....		657	43.4		634	43.0
OBSTETRIC PROCEDURES .....		266	17.6		258	17.5
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		295	19.5		289	19.6
CONGENITAL ANOMALIES OF FETUS .....		397	26.2		390	26.4
UNDERLYING CAUSE OF DEATH .....		1,513	100.0		1,475	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
INDIANA .....	619			613		
GESTATION						
CLINICAL ESTIMATE .....		84	13.6		84	13.7
AS COMPUTED .....		118	19.1		118	19.2
COMBINED .....		34	5.5		34	5.5
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		81	13.1		79	12.9
NUMBER OF VISITS .....		106	17.1		106	17.3
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		93	15.0		93	15.2
MOTHER						
MARITAL STATUS .....		7	*		7	*
EDUCATION .....		62	10.0		62	10.1
HISPANIC ORIGIN .....		43	6.9		43	7.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		22	3.6		22	3.6
BORN LIVE, NOW DEAD .....		25	4.0		24	3.9
OTHER TERMINATIONS .....		26	4.2		26	4.2
FATHER						
RACE .....		77	12.4		76	12.4
AGE .....		125	20.2		124	20.2
EDUCATION .....		123	19.9		122	19.9
HISPANIC ORIGIN .....		105	17.0		104	17.0
MEDICAL RISK FACTORS .....		29	4.7		29	4.7
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		619	100.0		613	100.0
ALCOHOL USE DURING PREGNANCY .....		119	19.2		118	19.2
WEIGHT GAIN DURING PREGNANCY .....		133	21.5		132	21.5
OBSTETRIC PROCEDURES .....		31	5.0		31	5.1
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		28	4.5		28	4.6
CONGENITAL ANOMALIES OF FETUS .....		42	6.8		42	6.9
UNDERLYING CAUSE OF DEATH .....		619	100.0		613	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
IOWA .....	270			264		
<b>GESTATION</b>						
CLINICAL ESTIMATE .....		12	*		12	*
AS COMPUTED .....		31	11.5		29	11.0
COMBINED .....		4	*		4	*
PLACE OF DELIVERY .....		-	*		-	*
<b>PRENATAL CARE</b>						
MONTH BEGAN .....		10	*		10	*
NUMBER OF VISITS .....		15	*		14	*
<b>FETUS</b>						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		7	*		6	*
<b>MOTHER</b>						
MARITAL STATUS .....		3	*		3	*
EDUCATION .....		7	*		7	*
HISPANIC ORIGIN .....		-	*		-	*
<b>PREGNANCY HISTORY</b>						
BORN LIVE, NOW LIVING .....		2	*		2	*
BORN LIVE, NOW DEAD .....		2	*		2	*
OTHER TERMINATIONS .....		2	*		2	*
<b>FATHER</b>						
RACE .....		47	17.4		46	17.4
AGE .....		57	21.1		56	21.2
EDUCATION .....		55	20.4		54	20.5
HISPANIC ORIGIN .....		48	17.8		47	17.8
MEDICAL RISK FACTORS .....		3	*		3	*
<b>OTHER RISK FACTORS</b>						
TOBACCO USE DURING PREGNANCY .....		3	*		3	*
ALCOHOL USE DURING PREGNANCY .....		5	*		5	*
WEIGHT GAIN DURING PREGNANCY .....		47	17.4		45	17.0
OBSTETRIC PROCEDURES .....		1	*		1	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		1	*		1	*
CONGENITAL ANOMALIES OF FETUS .....		7	*		6	*
UNDERLYING CAUSE OF DEATH .....		270	100.0		264	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
\* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
KANSAS .....	214			208		
GESTATION						
CLINICAL ESTIMATE .....		11	*		11	*
AS COMPUTED .....		21	9.8		19	*
COMBINED .....		5	*		5	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		5	*		5	*
NUMBER OF VISITS .....		14	*		14	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		1	*		1	*
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		5	*		4	*
HISPANIC ORIGIN .....		5	*		4	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		2	*		2	*
BORN LIVE, NOW DEAD .....		2	*		2	*
OTHER TERMINATIONS .....		2	*		2	*
FATHER						
RACE .....		32	15.0		29	13.9
AGE .....		34	15.9		31	14.9
EDUCATION .....		37	17.3		33	15.9
HISPANIC ORIGIN .....		38	17.8		34	16.3
MEDICAL RISK FACTORS .....		55	25.7		55	26.4
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		178	83.2		173	83.2
ALCOHOL USE DURING PREGNANCY .....		214	100.0		208	100.0
WEIGHT GAIN DURING PREGNANCY .....		36	16.8		34	16.3
OBSTETRIC PROCEDURES .....		19	*		19	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		44	20.6		44	21.2
CONGENITAL ANOMALIES OF FETUS .....		36	16.8		35	16.8
UNDERLYING CAUSE OF DEATH .....		214	100.0		208	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
KENTUCKY .....	424			414		
GESTATION						
CLINICAL ESTIMATE .....		8	*		8	*
AS COMPUTED .....		35	8.3		33	8.0
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		19	*		19	*
NUMBER OF VISITS .....		19	*		19	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		9	*		9	*
MOTHER						
MARITAL STATUS .....		2	*		2	*
EDUCATION .....		10	*		10	*
HISPANIC ORIGIN .....		-	*		-	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		3	*		3	*
BORN LIVE, NOW DEAD .....		4	*		4	*
OTHER TERMINATIONS .....		21	5.0		21	5.1
FATHER						
RACE .....		154	36.3		146	35.3
AGE .....		157	37.0		149	36.0
EDUCATION .....		160	37.7		152	36.7
HISPANIC ORIGIN .....		153	36.1		145	35.0
MEDICAL RISK FACTORS .....		104	24.5		103	24.9
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		94	22.2		93	22.5
ALCOHOL USE DURING PREGNANCY .....		101	23.8		100	24.2
WEIGHT GAIN DURING PREGNANCY .....		158	37.3		157	37.9
OBSTETRIC PROCEDURES .....		100	23.6		99	23.9
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		100	23.6		99	23.9
CONGENITAL ANOMALIES OF FETUS .....		143	33.7		142	34.3
UNDERLYING CAUSE OF DEATH .....		424	100.0		414	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
LOUISIANA .....	639			608		
GESTATION						
CLINICAL ESTIMATE .....		639	100.0		608	100.0
AS COMPUTED .....		74	11.6		74	12.2
COMBINED .....		76	11.9		76	12.5
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		36	5.6		35	5.8
NUMBER OF VISITS .....		54	8.5		51	8.4
FETUS						
SEX <sup>1</sup> .....		3	*		-	*
BIRTH WEIGHT .....		18	*		16	*
MOTHER						
MARITAL STATUS .....		5	*		5	*
EDUCATION .....		32	5.0		30	4.9
HISPANIC ORIGIN .....		639	100.0		608	100.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		9	*		9	*
BORN LIVE, NOW DEAD .....		10	*		10	*
OTHER TERMINATIONS .....		9	*		9	*
FATHER						
RACE .....		310	48.5		297	48.8
AGE .....		315	49.3		302	49.7
EDUCATION .....		291	45.5		278	45.7
HISPANIC ORIGIN .....		639	100.0		608	100.0
MEDICAL RISK FACTORS .....		639	100.0		608	100.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		639	100.0		608	100.0
ALCOHOL USE DURING PREGNANCY .....		639	100.0		608	100.0
WEIGHT GAIN DURING PREGNANCY .....		639	100.0		608	100.0
OBSTETRIC PROCEDURES .....		639	100.0		608	100.0
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		639	100.0		608	100.0
CONGENITAL ANOMALIES OF FETUS .....		639	100.0		608	100.0
UNDERLYING CAUSE OF DEATH .....		639	100.0		608	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MAINE .....	90			89		
GESTATION						
CLINICAL ESTIMATE .....		19	*		19	*
AS COMPUTED .....		35	38.9		35	39.3
COMBINED .....		19	*		19	*
PLACE OF DELIVERY .....		2	*		2	*
PRENATAL CARE						
MONTH BEGAN .....		19	*		19	*
NUMBER OF VISITS .....		21	23.3		21	23.6
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		33	36.7		33	37.1
MOTHER						
MARITAL STATUS .....		18	*		18	*
EDUCATION .....		21	23.3		21	23.6
HISPANIC ORIGIN .....		24	26.7		24	27.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		5	*		5	*
BORN LIVE, NOW DEAD .....		5	*		5	*
OTHER TERMINATIONS .....		5	*		5	*
FATHER						
RACE .....		28	31.1		28	31.5
AGE .....		7	*		6	*
EDUCATION .....		33	36.7		33	37.1
HISPANIC ORIGIN .....		34	37.8		34	38.2
MEDICAL RISK FACTORS .....		18	*		18	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		23	25.6		23	25.8
ALCOHOL USE DURING PREGNANCY		26	28.9		26	29.2
WEIGHT GAIN DURING PREGNANCY ..		53	58.9		53	59.6
OBSTETRIC PROCEDURES .....		16	*		16	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		18	*		18	*
CONGENITAL ANOMALIES OF FETUS .....		17	*		17	*
UNDERLYING CAUSE OF DEATH .....		90	100.0		89	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MARYLAND .....	593			575		
GESTATION						
CLINICAL ESTIMATE .....		593	100.0		575	100.0
AS COMPUTED .....		265	44.7		265	46.1
COMBINED .....		267	45.0		267	46.4
PLACE OF DELIVERY .....		6	*		6	*
PRENATAL CARE						
MONTH BEGAN .....		251	42.3		248	43.1
NUMBER OF VISITS .....		593	100.0		575	100.0
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		193	32.5		187	32.5
MOTHER						
MARITAL STATUS .....		593	100.0		575	100.0
EDUCATION .....		255	43.0		246	42.8
HISPANIC ORIGIN .....		593	100.0		575	100.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		79	13.3		77	13.4
BORN LIVE, NOW DEAD .....		82	13.8		80	13.9
OTHER TERMINATIONS .....		80	13.5		78	13.6
FATHER						
RACE .....		111	18.7		107	18.6
AGE .....		142	23.9		138	24.0
EDUCATION .....		278	46.9		270	47.0
HISPANIC ORIGIN .....		593	100.0		575	100.0
MEDICAL RISK FACTORS .....		593	100.0		575	100.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		593	100.0		575	100.0
ALCOHOL USE DURING PREGNANCY .....		593	100.0		575	100.0
WEIGHT GAIN DURING PREGNANCY .....		593	100.0		575	100.0
OBSTETRIC PROCEDURES .....		593	100.0		575	100.0
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		593	100.0		575	100.0
CONGENITAL ANOMALIES OF FETUS .....		593	100.0		575	100.0
UNDERLYING CAUSE OF DEATH .....		593	100.0		575	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MASSACHUSETTS .....	561			551		
GESTATION						
CLINICAL ESTIMATE .....		5	*		5	*
AS COMPUTED .....		39	7.0		38	6.9
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		1	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		20	3.6		19	*
NUMBER OF VISITS .....		25	4.5		24	4.4
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		6	*		6	*
MOTHER						
MARITAL STATUS .....		6	*		6	*
EDUCATION .....		91	16.2		89	16.2
HISPANIC ORIGIN .....		561	100.0		551	100.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		11	*		10	*
BORN LIVE, NOW DEAD .....		11	*		10	*
OTHER TERMINATIONS .....		11	*		10	*
FATHER						
RACE .....		140	25.0		133	24.1
AGE .....		148	26.4		141	25.6
EDUCATION .....		202	36.0		195	35.4
HISPANIC ORIGIN .....		561	100.0		551	100.0
MEDICAL RISK FACTORS .....		561	100.0		551	100.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		561	100.0		551	100.0
ALCOHOL USE DURING PREGNANCY .....		561	100.0		551	100.0
WEIGHT GAIN DURING PREGNANCY .....		561	100.0		551	100.0
OBSTETRIC PROCEDURES .....		561	100.0		551	100.0
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		561	100.0		551	100.0
CONGENITAL ANOMALIES OF FETUS .....		561	100.0		551	100.0
UNDERLYING CAUSE OF DEATH .....		561	100.0		551	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MICHIGAN .....	829			793		
GESTATION						
CLINICAL ESTIMATE .....		9	*		9	*
AS COMPUTED .....		132	15.9		128	16.1
COMBINED .....		6	*		6	*
PLACE OF DELIVERY .....		2	*		2	*
PRENATAL CARE						
MONTH BEGAN .....		60	7.2		58	7.3
NUMBER OF VISITS .....		78	9.4		73	9.2
FETUS						
SEX <sup>1</sup> .....		3	*		-	*
BIRTH WEIGHT .....		24	2.9		24	3.0
MOTHER						
MARITAL STATUS .....		829	100.0		793	100.0
EDUCATION .....		169	20.4		159	20.1
HISPANIC ORIGIN .....		128	15.4		127	16.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		4	*		4	*
BORN LIVE, NOW DEAD .....		4	*		4	*
OTHER TERMINATIONS .....		3	*		3	*
FATHER						
RACE .....		249	30.0		235	29.6
AGE .....		338	40.8		325	41.0
EDUCATION .....		328	39.6		311	39.2
HISPANIC ORIGIN .....		325	39.2		311	39.2
MEDICAL RISK FACTORS .....		34	4.1		31	3.9
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		97	11.7		91	11.5
ALCOHOL USE DURING PREGNANCY .....		108	13.0		102	12.9
WEIGHT GAIN DURING PREGNANCY .....		279	33.7		266	33.5
OBSTETRIC PROCEDURES .....		29	3.5		26	3.3
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		38	4.6		35	4.4
CONGENITAL ANOMALIES OF FETUS .....		51	6.2		46	5.8
UNDERLYING CAUSE OF DEATH .....		829	100.0		793	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MINNESOTA .....	458			431		
GESTATION						
CLINICAL ESTIMATE .....		77	16.8		75	17.4
AS COMPUTED .....		134	29.3		125	29.0
COMBINED .....		61	13.3		61	14.2
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		92	20.1		87	20.2
NUMBER OF VISITS .....		100	21.8		98	22.7
FETUS						
SEX <sup>1</sup> .....		5	*		-	*
BIRTH WEIGHT .....		131	28.6		120	27.8
MOTHER						
MARITAL STATUS .....		15	*		15	*
EDUCATION .....		47	10.3		44	10.2
HISPANIC ORIGIN .....		19	*		17	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		36	7.9		35	8.1
BORN LIVE, NOW DEAD .....		36	7.9		35	8.1
OTHER TERMINATIONS .....		36	7.9		35	8.1
FATHER						
RACE .....		61	13.3		55	12.8
AGE .....		99	21.6		95	22.0
EDUCATION .....		99	21.6		92	21.3
HISPANIC ORIGIN .....		63	13.8		57	13.2
MEDICAL RISK FACTORS .....		52	11.4		50	11.6
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		70	15.3		66	15.3
ALCOHOL USE DURING PREGNANCY .....		82	17.9		78	18.1
WEIGHT GAIN DURING PREGNANCY .....		204	44.5		188	43.6
OBSTETRIC PROCEDURES .....		45	9.8		40	9.3
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		64	14.0		59	13.7
CONGENITAL ANOMALIES OF FETUS .....		82	17.9		74	17.2
UNDERLYING CAUSE OF DEATH .....		458	100.0		431	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MISSISSIPPI .....	520			492		
GESTATION						
CLINICAL ESTIMATE .....		17	*		16	*
AS COMPUTED .....		89	17.1		84	17.1
COMBINED .....		3	*		3	*
PLACE OF DELIVERY .....		2	*		2	*
PRENATAL CARE						
MONTH BEGAN .....		72	13.8		64	13.0
NUMBER OF VISITS .....		88	16.9		79	16.1
FETUS						
SEX <sup>1</sup> .....		3	*		-	*
BIRTH WEIGHT .....		21	4.0		18	*
MOTHER						
MARITAL STATUS .....		6	*		6	*
EDUCATION .....		104	20.0		98	19.9
HISPANIC ORIGIN .....		1	*		1	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		11	*		10	*
BORN LIVE, NOW DEAD .....		14	*		13	*
OTHER TERMINATIONS .....		13	*		11	*
FATHER						
RACE .....		296	56.9		273	55.5
AGE .....		339	65.2		314	63.8
EDUCATION .....		329	63.3		306	62.2
HISPANIC ORIGIN .....		300	57.7		277	56.3
MEDICAL RISK FACTORS .....		15	*		14	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		38	7.3		34	6.9
ALCOHOL USE DURING PREGNANCY .....		43	8.3		38	7.7
WEIGHT GAIN DURING PREGNANCY .....		190	36.5		175	35.6
OBSTETRIC PROCEDURES .....		13	*		12	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		13	*		12	*
CONGENITAL ANOMALIES OF FETUS .....		71	13.7		70	14.2
UNDERLYING CAUSE OF DEATH .....		520	100.0		492	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MISSOURI .....	565			548		
GESTATION						
CLINICAL ESTIMATE .....		19	*		18	*
AS COMPUTED .....		86	15.2		82	15.0
COMBINED .....		10	*		10	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		51	9.0		48	8.8
NUMBER OF VISITS .....		43	7.6		40	7.3
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		28	5.0		25	4.6
MOTHER						
MARITAL STATUS .....		4	*		4	*
EDUCATION .....		43	7.6		38	6.9
HISPANIC ORIGIN .....		5	*		4	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		6	*		6	*
BORN LIVE, NOW DEAD .....		5	*		5	*
OTHER TERMINATIONS .....		7	*		7	*
FATHER						
RACE .....		222	39.3		212	38.7
AGE .....		257	45.5		246	44.9
EDUCATION .....		244	43.2		233	42.5
HISPANIC ORIGIN .....		218	38.6		208	38.0
MEDICAL RISK FACTORS .....		16	*		15	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		21	3.7		19	*
ALCOHOL USE DURING PREGNANCY .....		27	4.8		25	4.6
WEIGHT GAIN DURING PREGNANCY .....		92	16.3		83	15.1
OBSTETRIC PROCEDURES .....		16	*		15	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		23	4.1		22	4.0
CONGENITAL ANOMALIES OF FETUS .....		24	4.2		23	4.2
UNDERLYING CAUSE OF DEATH .....		565	100.0		548	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
MONTANA .....	78			78		
GESTATION						
CLINICAL ESTIMATE .....		4	*		4	*
AS COMPUTED .....		15	*		15	*
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		6	*		6	*
NUMBER OF VISITS .....		4	*		4	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		8	*		8	*
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		4	*		4	*
HISPANIC ORIGIN .....		3	*		3	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		-	*		-	*
BORN LIVE, NOW DEAD .....		-	*		-	*
OTHER TERMINATIONS .....		-	*		-	*
FATHER						
RACE .....		14	*		14	*
AGE .....		20	25.6		20	25.6
EDUCATION .....		16	*		16	*
HISPANIC ORIGIN .....		15	*		15	*
MEDICAL RISK FACTORS .....		39	50.0		39	50.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		40	51.3		40	51.3
ALCOHOL USE DURING PREGNANCY .....		40	51.3		40	51.3
WEIGHT GAIN DURING PREGNANCY .....		48	61.5		48	61.5
OBSTETRIC PROCEDURES .....		35	44.9		35	44.9
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		37	47.4		37	47.4
CONGENITAL ANOMALIES OF FETUS .....		36	46.2		36	46.2
UNDERLYING CAUSE OF DEATH .....		78	100.0		78	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEBRASKA .....	164			163		
GESTATION						
CLINICAL ESTIMATE .....		7	*		7	*
AS COMPUTED .....		19	*		19	*
COMBINED .....		6	*		6	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		9	*		9	*
NUMBER OF VISITS .....		13	*		13	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		10	*		10	*
MOTHER						
MARITAL STATUS .....		8	*		8	*
EDUCATION .....		9	*		9	*
HISPANIC ORIGIN .....		14	*		14	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		6	*		6	*
BORN LIVE, NOW DEAD .....		6	*		6	*
OTHER TERMINATIONS .....		6	*		6	*
FATHER						
RACE .....		17	*		17	*
AGE .....		20	12.2		20	12.3
EDUCATION .....		27	16.5		27	16.6
HISPANIC ORIGIN .....		28	17.1		28	17.2
MEDICAL RISK FACTORS .....		10	*		10	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		11	*		11	*
ALCOHOL USE DURING PREGNANCY .....		13	*		13	*
WEIGHT GAIN DURING PREGNANCY ..		23	14.0		23	14.1
OBSTETRIC PROCEDURES .....		6	*		6	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		6	*		6	*
CONGENITAL ANOMALIES OF FETUS .....		12	*		12	*
UNDERLYING CAUSE OF DEATH .....		164	100.0		163	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEVADA .....	190			179		
GESTATION						
CLINICAL ESTIMATE .....		3	*		3	*
AS COMPUTED .....		82	43.2		78	43.6
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		3	*		3	*
PRENATAL CARE						
MONTH BEGAN .....		67	35.3		64	35.8
NUMBER OF VISITS .....		67	35.3		63	35.2
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		68	35.8		62	34.6
MOTHER						
MARITAL STATUS .....		190	100.0		179	100.0
EDUCATION .....		29	15.3		27	15.1
HISPANIC ORIGIN .....		7	*		7	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		22	11.6		20	11.2
BORN LIVE, NOW DEAD .....		22	11.6		20	11.2
OTHER TERMINATIONS .....		22	11.6		20	11.2
FATHER						
RACE .....		24	12.6		22	12.3
AGE .....		29	15.3		27	15.1
EDUCATION .....		41	21.6		38	21.2
HISPANIC ORIGIN .....		26	13.7		24	13.4
MEDICAL RISK FACTORS .....		42	22.1		38	21.2
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		59	31.1		54	30.2
ALCOHOL USE DURING PREGNANCY .....		61	32.1		56	31.3
WEIGHT GAIN DURING PREGNANCY .....		107	56.3		99	55.3
OBSTETRIC PROCEDURES .....		32	16.8		28	15.6
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		49	25.8		41	22.9
CONGENITAL ANOMALIES OF FETUS .....		63	33.2		56	31.3
UNDERLYING CAUSE OF DEATH .....		190	100.0		179	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEW HAMPSHIRE .....	101			100		
GESTATION						
CLINICAL ESTIMATE .....		1	*		1	*
AS COMPUTED .....		21	20.8		20	20.0
COMBINED .....		1	*		1	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		14	*		14	*
NUMBER OF VISITS .....		13	*		13	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		2	*		2	*
MOTHER						
MARITAL STATUS .....		-	*		-	*
EDUCATION .....		5	*		5	*
HISPANIC ORIGIN .....		101	100.0		100	100.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		-	*		-	*
BORN LIVE, NOW DEAD .....		1	*		1	*
OTHER TERMINATIONS .....		-	*		-	*
FATHER						
RACE .....		17	*		17	*
AGE .....		30	29.7		30	30.0
EDUCATION .....		25	24.8		25	25.0
HISPANIC ORIGIN .....		101	100.0		100	100.0
MEDICAL RISK FACTORS .....		1	*		1	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		6	*		6	*
ALCOHOL USE DURING PREGNANCY .....		9	*		9	*
WEIGHT GAIN DURING PREGNANCY ..		20	19.8		20	20.0
OBSTETRIC PROCEDURES .....		1	*		1	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		2	*		2	*
CONGENITAL ANOMALIES OF FETUS .....		3	*		3	*
UNDERLYING CAUSE OF DEATH .....		101	100.0		100	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEW JERSEY .....	989			936		
GESTATION						
CLINICAL ESTIMATE .....		162	16.4		161	17.2
AS COMPUTED .....		237	24.0		225	24.0
COMBINED .....		121	12.2		121	12.9
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		198	20.0		192	20.5
NUMBER OF VISITS .....		228	23.1		221	23.6
FETUS						
SEX <sup>1</sup> .....		8	*		-	*
BIRTH WEIGHT .....		269	27.2		247	26.4
MOTHER						
MARITAL STATUS .....		100	10.1		99	10.6
EDUCATION .....		247	25.0		238	25.4
HISPANIC ORIGIN .....		41	4.1		39	4.2
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		94	9.5		91	9.7
BORN LIVE, NOW DEAD .....		114	11.5		112	12.0
OTHER TERMINATIONS .....		123	12.4		121	12.9
FATHER						
RACE .....		81	8.2		75	8.0
AGE .....		224	22.6		212	22.6
EDUCATION .....		331	33.5		317	33.9
HISPANIC ORIGIN .....		106	10.7		98	10.5
MEDICAL RISK FACTORS .....		141	14.3		139	14.9
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		192	19.4		184	19.7
ALCOHOL USE DURING PREGNANCY .....		210	21.2		202	21.6
WEIGHT GAIN DURING PREGNANCY .....		540	54.6		510	54.5
OBSTETRIC PROCEDURES .....		128	12.9		124	13.2
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		157	15.9		151	16.1
CONGENITAL ANOMALIES OF FETUS .....		177	17.9		173	18.5
UNDERLYING CAUSE OF DEATH .....		989	100.0		936	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEW MEXICO .....	128			127		
GESTATION						
CLINICAL ESTIMATE .....		7	*		7	*
AS COMPUTED .....		23	18.0		23	18.1
COMBINED .....		4	*		4	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		17	*		17	*
NUMBER OF VISITS .....		46	35.9		46	36.2
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		7	*		7	*
MOTHER						
MARITAL STATUS .....		2	*		2	*
EDUCATION .....		48	37.5		48	37.8
HISPANIC ORIGIN .....		15	*		15	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		-	*		-	*
BORN LIVE, NOW DEAD .....		1	*		1	*
OTHER TERMINATIONS .....		1	*		1	*
FATHER						
RACE .....		41	32.0		41	32.3
AGE .....		66	51.6		66	52.0
EDUCATION .....		66	51.6		66	52.0
HISPANIC ORIGIN .....		45	35.2		45	35.4
MEDICAL RISK FACTORS .....		2	*		2	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		5	*		5	*
ALCOHOL USE DURING PREGNANCY		8	*		8	*
WEIGHT GAIN DURING PREGNANCY ..		43	33.6		43	33.9
OBSTETRIC PROCEDURES .....		1	*		1	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		-	*		-	*
CONGENITAL ANOMALIES OF FETUS .....		128	100.0		127	100.0
UNDERLYING CAUSE OF DEATH .....		128	100.0		127	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEW YORK .....	10,955			1,308		
GESTATION						
CLINICAL ESTIMATE .....		1,161	10.6		84	6.4
AS COMPUTED .....		1,835	16.8		208	15.9
COMBINED .....		622	5.7		53	4.1
PLACE OF DELIVERY .....		7	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		3,916	35.7		233	17.8
NUMBER OF VISITS .....		4,379	40.0		293	22.4
FETUS						
SEX <sup>1</sup> .....		9,337	85.2		-	*
BIRTH WEIGHT .....		9,658	88.2		380	29.1
MOTHER						
MARITAL STATUS .....		10,955	100.0		1,308	100.0
EDUCATION .....		10,955	100.0		1,308	100.0
HISPANIC ORIGIN .....		2,533	23.1		181	13.8
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		1,369	12.5		101	7.7
BORN LIVE, NOW DEAD .....		1,369	12.5		101	7.7
OTHER TERMINATIONS .....		1,369	12.5		101	7.7
FATHER						
RACE .....		4,560	41.6		422	32.3
AGE .....		5,884	53.7		544	41.6
EDUCATION .....		10,955	100.0		1,308	100.0
HISPANIC ORIGIN .....		4,980	45.5		465	35.6
MEDICAL RISK FACTORS .....		4,226	38.6		277	21.2
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		10,955	100.0		1,308	100.0
ALCOHOL USE DURING PREGNANCY		10,955	100.0		1,308	100.0
WEIGHT GAIN DURING PREGNANCY ..		7,574	69.1		531	40.6
OBSTETRIC PROCEDURES .....		3,525	32.2		148	11.3
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		5,230	47.7		333	25.5
CONGENITAL ANOMALIES OF FETUS .....		10,955	100.0		1,308	100.0
UNDERLYING CAUSE OF DEATH .....		10,955	100.0		1,308	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NEW YORK CITY .....	5,331			1,798		
GESTATION						
CLINICAL ESTIMATE .....		506	9.5		110	6.1
AS COMPUTED .....		1,357	25.5		302	16.8
COMBINED .....		248	4.7		45	2.5
PLACE OF DELIVERY .....		2	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		1,735	32.5		414	23.0
NUMBER OF VISITS .....		1,577	29.6		342	19.0
FETUS						
SEX <sup>1</sup> .....		3,123	58.6		-	*
BIRTH WEIGHT .....		3,087	57.9		289	16.1
MOTHER						
MARITAL STATUS .....		5,331	100.0		1,798	100.0
EDUCATION .....		2,141	40.2		647	36.0
HISPANIC ORIGIN .....		1,570	29.5		360	20.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		324	6.1		87	4.8
BORN LIVE, NOW DEAD .....		332	6.2		90	5.0
OTHER TERMINATIONS .....		328	6.2		90	5.0
FATHER						
RACE .....		2,871	53.9		1,021	56.8
AGE .....		3,625	68.0		1,177	65.5
EDUCATION .....		3,588	67.3		1,239	68.9
HISPANIC ORIGIN .....		3,461	64.9		1,174	65.3
MEDICAL RISK FACTORS .....		337	6.3		88	4.9
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		5,331	100.0		1,798	100.0
ALCOHOL USE DURING PREGNANCY		5,331	100.0		1,798	100.0
WEIGHT GAIN DURING PREGNANCY ..		4,200	78.8		1,155	64.2
OBSTETRIC PROCEDURES .....		340	6.4		48	2.7
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		712	13.4		174	9.7
CONGENITAL ANOMALIES OF FETUS .....		5,331	100.0		1,798	100.0
UNDERLYING CAUSE OF DEATH .....		5,331	100.0		1,798	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NORTH CAROLINA .....	914			892		
GESTATION						
CLINICAL ESTIMATE .....		30	3.3		29	3.3
AS COMPUTED .....		114	12.5		113	12.7
COMBINED .....		13	*		13	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		43	4.7		42	4.7
NUMBER OF VISITS .....		42	4.6		42	4.7
FETUS						
SEX <sup>1</sup> .....		1	*		-	*
BIRTH WEIGHT .....		66	7.2		66	7.4
MOTHER						
MARITAL STATUS .....		2	*		2	*
EDUCATION .....		30	3.3		29	3.3
HISPANIC ORIGIN .....		6	*		6	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		6	*		6	*
BORN LIVE, NOW DEAD .....		9	*		8	*
OTHER TERMINATIONS .....		7	*		6	*
FATHER						
RACE .....		382	41.8		376	42.2
AGE .....		415	45.4		407	45.6
EDUCATION .....		399	43.7		393	44.1
HISPANIC ORIGIN .....		368	40.3		362	40.6
MEDICAL RISK FACTORS .....		18	*		18	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		36	3.9		34	3.8
ALCOHOL USE DURING PREGNANCY .....		51	5.6		49	5.5
WEIGHT GAIN DURING PREGNANCY .....		169	18.5		165	18.5
OBSTETRIC PROCEDURES .....		14	*		14	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		11	*		11	*
CONGENITAL ANOMALIES OF FETUS .....		46	5.0		45	5.0
UNDERLYING CAUSE OF DEATH .....		914	100.0		892	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
NORTH DAKOTA .....	86			81		
GESTATION						
CLINICAL ESTIMATE .....		3	*		3	*
AS COMPUTED .....		13	*		11	*
COMBINED .....		3	*		3	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		8	*		7	*
NUMBER OF VISITS .....		6	*		5	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		10	*		8	*
MOTHER						
MARITAL STATUS .....		2	*		2	*
EDUCATION .....		7	*		7	*
HISPANIC ORIGIN .....		6	*		6	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		3	*		3	*
BORN LIVE, NOW DEAD .....		3	*		3	*
OTHER TERMINATIONS .....		3	*		3	*
FATHER						
RACE .....		13	*		12	*
AGE .....		13	*		12	*
EDUCATION .....		16	*		14	*
HISPANIC ORIGIN .....		16	*		14	*
MEDICAL RISK FACTORS .....		1	*		1	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		8	*		7	*
ALCOHOL USE DURING PREGNANCY .....		10	*		8	*
WEIGHT GAIN DURING PREGNANCY ..		23	26.7		21	25.9
OBSTETRIC PROCEDURES .....		2	*		2	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		3	*		2	*
CONGENITAL ANOMALIES OF FETUS .....		8	*		8	*
UNDERLYING CAUSE OF DEATH .....		86	100.0		81	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
OHIO .....	1,211			1,178		
GESTATION						
CLINICAL ESTIMATE .....		13	*		13	*
AS COMPUTED .....		228	18.8		223	18.9
COMBINED .....		12	*		12	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		133	11.0		132	11.2
NUMBER OF VISITS .....		164	13.5		159	13.5
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		93	7.7		91	7.7
MOTHER						
MARITAL STATUS .....		901	74.4		875	74.3
EDUCATION .....		114	9.4		110	9.3
HISPANIC ORIGIN .....		31	2.6		30	2.5
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		60	5.0		59	5.0
BORN LIVE, NOW DEAD .....		63	5.2		62	5.3
OTHER TERMINATIONS .....		64	5.3		63	5.3
FATHER						
RACE .....		165	13.6		158	13.4
AGE .....		188	15.5		184	15.6
EDUCATION .....		236	19.5		228	19.4
HISPANIC ORIGIN .....		167	13.8		160	13.6
MEDICAL RISK FACTORS .....		81	6.7		79	6.7
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		126	10.4		124	10.5
ALCOHOL USE DURING PREGNANCY .....		167	13.8		163	13.8
WEIGHT GAIN DURING PREGNANCY .....		381	31.5		370	31.4
OBSTETRIC PROCEDURES .....		64	5.3		64	5.4
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		76	6.3		74	6.3
CONGENITAL ANOMALIES OF FETUS .....		110	9.1		107	9.1
UNDERLYING CAUSE OF DEATH .....		1,211	100.0		1,178	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
OKLAHOMA .....	339			336		
GESTATION						
CLINICAL ESTIMATE .....		339	100.0		336	100.0
AS COMPUTED .....		161	47.5		161	47.9
COMBINED .....		162	47.8		162	48.2
PLACE OF DELIVERY .....			*			*
PRENATAL CARE						
MONTH BEGAN .....		154	45.4		154	45.8
NUMBER OF VISITS .....		159	46.9		158	47.0
FETUS						
SEX <sup>1</sup> .....		1	*			*
BIRTH WEIGHT .....		74	21.8		73	21.7
MOTHER						
MARITAL STATUS .....		118	34.8		118	35.1
EDUCATION .....		141	41.6		141	42.0
HISPANIC ORIGIN .....		339	100.0		336	100.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		139	41.0		139	41.4
BORN LIVE, NOW DEAD .....		140	41.3		140	41.7
OTHER TERMINATIONS .....		140	41.3		140	41.7
FATHER						
RACE .....		148	43.7		147	43.8
AGE .....		94	27.7		92	27.4
EDUCATION .....		174	51.3		173	51.5
HISPANIC ORIGIN .....		339	100.0		336	100.0
MEDICAL RISK FACTORS .....		339	100.0		336	100.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		339	100.0		336	100.0
ALCOHOL USE DURING PREGNANCY .....		339	100.0		336	100.0
WEIGHT GAIN DURING PREGNANCY .....		339	100.0		336	100.0
OBSTETRIC PROCEDURES .....		339	100.0		336	100.0
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		339	100.0		336	100.0
CONGENITAL ANOMALIES OF FETUS .....		339	100.0		336	100.0
UNDERLYING CAUSE OF DEATH .....		339	100.0		336	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
OREGON .....	279			275		
GESTATION						
CLINICAL ESTIMATE .....		5	*		5	*
AS COMPUTED .....		49	17.6		48	17.5
COMBINED .....		2	*		2	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		7	*		6	*
NUMBER OF VISITS .....		9	*		8	*
FETUS						
SEX <sup>1</sup> .....		1	*		-	*
BIRTH WEIGHT .....		12	*		12	*
MOTHER						
MARITAL STATUS .....		3	*		3	*
EDUCATION .....		27	9.7		26	9.5
HISPANIC ORIGIN .....		-	*		-	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		1	*		1	*
BORN LIVE, NOW DEAD .....		1	*		1	*
OTHER TERMINATIONS .....		1	*		1	*
FATHER						
RACE .....		65	23.3		65	23.6
AGE .....		97	34.8		95	34.5
EDUCATION .....		93	33.3		92	33.5
HISPANIC ORIGIN .....		62	22.2		62	22.5
MEDICAL RISK FACTORS .....		11	*		11	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		10	*		10	*
ALCOHOL USE DURING PREGNANCY		17	*		17	*
WEIGHT GAIN DURING PREGNANCY ..		87	31.2		86	31.3
OBSTETRIC PROCEDURES .....		-	*		-	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		6	*		6	*
CONGENITAL ANOMALIES OF FETUS .....		4	*		4	*
UNDERLYING CAUSE OF DEATH .....		279	100.0		275	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
PENNSYLVANIA .....	2,157			1,607		
GESTATION						
CLINICAL ESTIMATE .....		133	6.2		128	8.0
AS COMPUTED .....		477	22.1		349	21.7
COMBINED .....		102	4.7		102	6.3
PLACE OF DELIVERY .....		1	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		418	19.4		303	18.9
NUMBER OF VISITS .....		397	18.4		287	17.9
FETUS						
SEX <sup>1</sup> .....		126	5.8		-	*
BIRTH WEIGHT .....		436	20.2		289	18.0
MOTHER						
MARITAL STATUS .....		173	8.0		138	8.6
EDUCATION .....		371	17.2		232	14.4
HISPANIC ORIGIN .....		92	4.3		71	4.4
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		110	5.1		93	5.8
BORN LIVE, NOW DEAD .....		113	5.2		96	6.0
OTHER TERMINATIONS .....		116	5.4		98	6.1
FATHER						
RACE .....		363	16.8		225	14.0
AGE .....		473	21.9		302	18.8
EDUCATION .....		524	24.3		334	20.8
HISPANIC ORIGIN .....		332	15.4		209	13.0
MEDICAL RISK FACTORS .....		220	10.2		183	11.4
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		373	17.3		264	16.4
ALCOHOL USE DURING PREGNANCY .....		444	20.6		314	19.5
WEIGHT GAIN DURING PREGNANCY ..		1,057	49.0		738	45.9
OBSTETRIC PROCEDURES .....		173	8.0		140	8.7
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		237	11.0		188	11.7
CONGENITAL ANOMALIES OF FETUS .....		489	22.7		392	24.4
UNDERLYING CAUSE OF DEATH .....		2,157	100.0		1,607	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
RHODE ISLAND .....	1,109			88		
GESTATION						
CLINICAL ESTIMATE .....		61	5.5		2	*
AS COMPUTED .....		789	71.1		72	81.8
COMBINED .....		39	3.5		1	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		1,109	100.0		88	100.0
NUMBER OF VISITS .....		1,109	100.0		88	100.0
FETUS						
SEX <sup>1</sup> .....		1,020	92.0		-	*
BIRTH WEIGHT .....		1,038	93.6		18	*
MOTHER						
MARITAL STATUS .....		269	24.3		37	42.0
EDUCATION .....		1,109	100.0		88	100.0
HISPANIC ORIGIN .....		1,109	100.0		88	100.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		350	31.6		45	51.1
BORN LIVE, NOW DEAD .....		350	31.6		45	51.1
OTHER TERMINATIONS .....		350	31.6		45	51.1
FATHER						
RACE .....		1,057	95.3		81	92.0
AGE .....		1,043	94.0		70	79.5
EDUCATION .....		1,109	100.0		88	100.0
HISPANIC ORIGIN .....		1,109	100.0		88	100.0
MEDICAL RISK FACTORS .....		962	86.7		49	55.7
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		1,000	90.2		63	71.6
ALCOHOL USE DURING PREGNANCY		1,006	90.7		65	73.9
WEIGHT GAIN DURING PREGNANCY ..		1,040	93.8		73	83.0
OBSTETRIC PROCEDURES .....		960	86.6		46	52.3
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		972	87.6		49	55.7
CONGENITAL ANOMALIES OF FETUS .....		1,047	94.4		68	77.3
UNDERLYING CAUSE OF DEATH .....		1,109	100.0		88	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
SOUTH CAROLINA .....	607			579		
GESTATION						
CLINICAL ESTIMATE .....		16	*		16	*
AS COMPUTED .....		57	9.4		52	9.0
COMBINED .....		6	*		6	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		23	3.8		22	3.8
NUMBER OF VISITS .....		32	5.3		29	5.0
FETUS						
SEX <sup>1</sup> .....		3	*		-	*
BIRTH WEIGHT .....		19	*		18	*
MOTHER						
MARITAL STATUS .....		8	*		8	*
EDUCATION .....		55	9.1		50	8.6
HISPANIC ORIGIN .....		14	*		13	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		9	*		8	*
BORN LIVE, NOW DEAD .....		9	*		8	*
OTHER TERMINATIONS .....		12	*		11	*
FATHER						
RACE .....		280	46.1		262	45.3
AGE .....		327	53.9		307	53.0
EDUCATION .....		305	50.2		286	49.4
HISPANIC ORIGIN .....		271	44.6		255	44.0
MEDICAL RISK FACTORS .....		23	3.8		23	4.0
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		48	7.9		45	7.8
ALCOHOL USE DURING PREGNANCY .....		50	8.2		47	8.1
WEIGHT GAIN DURING PREGNANCY .....		148	24.4		141	24.4
OBSTETRIC PROCEDURES .....		27	4.4		27	4.7
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		22	3.6		22	3.8
CONGENITAL ANOMALIES OF FETUS .....		45	7.4		45	7.8
UNDERLYING CAUSE OF DEATH .....		607	100.0		579	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
SOUTH DAKOTA .....	65			65		
GESTATION						
CLINICAL ESTIMATE .....		1	*		1	*
AS COMPUTED .....		5	*		5	*
COMBINED .....		-	*		-	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		1	*		1	*
NUMBER OF VISITS .....		1	*		1	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		-	*		-	*
MOTHER						
MARITAL STATUS .....		-	*		-	*
EDUCATION .....		4	*		4	*
HISPANIC ORIGIN .....		2	*		2	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		1	*		1	*
BORN LIVE, NOW DEAD .....		1	*		1	*
OTHER TERMINATIONS .....		1	*		1	*
FATHER						
RACE .....		15	*		15	*
AGE .....		17	*		17	*
EDUCATION .....		19	*		19	*
HISPANIC ORIGIN .....		16	*		16	*
MEDICAL RISK FACTORS .....		-	*		-	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		65	100.0		65	100.0
ALCOHOL USE DURING PREGNANCY		65	100.0		65	100.0
WEIGHT GAIN DURING PREGNANCY ..		7	*		7	*
OBSTETRIC PROCEDURES .....		-	*		-	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		-	*		-	*
CONGENITAL ANOMALIES OF FETUS .....		-	*		-	*
UNDERLYING CAUSE OF DEATH .....		65	100.0		65	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

## FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
TENNESSEE .....	497			490		
GESTATION						
CLINICAL ESTIMATE .....		18	*		18	*
AS COMPUTED .....		86	17.3		84	17.1
COMBINED .....		11	*		11	*
PLACE OF DELIVERY .....		1	*		1	*
PRENATAL CARE						
MONTH BEGAN .....		44	8.9		43	8.8
NUMBER OF VISITS .....		59	11.9		57	11.6
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		19	*		18	*
MOTHER						
MARITAL STATUS .....		15	*		14	*
EDUCATION .....		59	11.9		56	11.4
HISPANIC ORIGIN .....		21	4.2		20	4.1
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		11	*		10	*
BORN LIVE, NOW DEAD .....		10	*		9	*
OTHER TERMINATIONS .....		9	*		8	*
FATHER						
RACE .....		201	40.4		198	40.4
AGE .....		255	51.3		250	51.0
EDUCATION .....		232	46.7		228	46.5
HISPANIC ORIGIN .....		193	38.8		189	38.6
MEDICAL RISK FACTORS .....		32	6.4		31	6.3
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		49	9.9		48	9.8
ALCOHOL USE DURING PREGNANCY .....		49	9.9		48	9.8
WEIGHT GAIN DURING PREGNANCY ..		220	44.3		215	43.9
OBSTETRIC PROCEDURES .....		39	7.8		38	7.8
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		44	8.9		43	8.8
CONGENITAL ANOMALIES OF FETUS .....		60	12.1		59	12.0
UNDERLYING CAUSE OF DEATH .....		497	100.0		490	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
TEXAS .....	2,141			2,067		
GESTATION						
CLINICAL ESTIMATE .....		136	6.4		131	6.3
AS COMPUTED .....		399	18.6		385	18.6
COMBINED .....		94	4.4		94	4.5
PLACE OF DELIVERY .....		4	*		4	*
PRENATAL CARE						
MONTH BEGAN .....		237	11.1		226	10.9
NUMBER OF VISITS .....		271	12.7		262	12.7
FETUS						
SEX <sup>1</sup> .....		3	*		-	*
BIRTH WEIGHT .....		225	10.5		210	10.2
MOTHER						
MARITAL STATUS .....		2,141	100.0		2,067	100.0
EDUCATION .....		270	12.6		258	12.5
HISPANIC ORIGIN .....		14	*		14	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		56	2.6		52	2.5
BORN LIVE, NOW DEAD .....		58	2.7		54	2.6
OTHER TERMINATIONS .....		61	2.8		57	2.8
FATHER						
RACE .....		415	19.4		398	19.3
AGE .....		512	23.9		489	23.7
EDUCATION .....		640	29.9		613	29.7
HISPANIC ORIGIN .....		413	19.3		397	19.2
MEDICAL RISK FACTORS .....		1,064	49.7		1,029	49.8
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		1,055	49.3		1,020	49.3
ALCOHOL USE DURING PREGNANCY .....		1,093	51.1		1,054	51.0
WEIGHT GAIN DURING PREGNANCY .....		1,488	69.5		1,441	69.7
OBSTETRIC PROCEDURES .....		933	43.6		901	43.6
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		974	45.5		943	45.6
CONGENITAL ANOMALIES OF FETUS .....		960	44.8		928	44.9
UNDERLYING CAUSE OF DEATH .....		2,141	100.0		2,067	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
UTAH .....	214			204		
GESTATION						
CLINICAL ESTIMATE .....		8	*		8	*
AS COMPUTED .....		46	21.5		42	20.6
COMBINED .....		3	*		3	*
PLACE OF DELIVERY .....			*			*
PRENATAL CARE						
MONTH BEGAN .....		41	19.2		37	18.1
NUMBER OF VISITS .....		46	21.5		41	20.1
FETUS						
SEX <sup>1</sup> .....		1	*			*
BIRTH WEIGHT .....		17	*		14	*
MOTHER						
MARITAL STATUS .....		6	*		6	*
EDUCATION .....		22	10.3		21	10.3
HISPANIC ORIGIN .....		2	*		1	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		11	*		11	*
BORN LIVE, NOW DEAD .....		12	*		12	*
OTHER TERMINATIONS .....		11	*		11	*
FATHER						
RACE .....		24	11.2		23	11.3
AGE .....		34	15.9		31	15.2
EDUCATION .....		42	19.6		40	19.6
HISPANIC ORIGIN .....		23	10.7		21	10.3
MEDICAL RISK FACTORS .....		11	*		11	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		12	*		12	*
ALCOHOL USE DURING PREGNANCY .....		12	*		12	*
WEIGHT GAIN DURING PREGNANCY ..		42	19.6		40	19.6
OBSTETRIC PROCEDURES .....		9	*		9	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		12	*		12	*
CONGENITAL ANOMALIES OF FETUS .....		34	15.9		32	15.7
UNDERLYING CAUSE OF DEATH .....		214	100.0		204	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
VERMONT .....	47			45		
GESTATION						
CLINICAL ESTIMATE .....		-	*		-	*
AS COMPUTED .....		2	*		2	*
COMBINED .....		-	*		-	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		5	*		5	*
NUMBER OF VISITS .....		6	*		6	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		6	*		6	*
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		7	*		7	*
HISPANIC ORIGIN .....		3	*		3	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		1	*		1	*
BORN LIVE, NOW DEAD .....		1	*		1	*
OTHER TERMINATIONS .....		2	*		2	*
FATHER						
RACE .....		3	*		3	*
AGE .....		10	*		10	*
EDUCATION .....		10	*		10	*
HISPANIC ORIGIN .....		6	*		5	*
MEDICAL RISK FACTORS .....		2	*		2	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		3	*		3	*
ALCOHOL USE DURING PREGNANCY .....		6	*		6	*
WEIGHT GAIN DURING PREGNANCY .....		11	*		11	*
OBSTETRIC PROCEDURES .....		-	*		-	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		4	*		4	*
CONGENITAL ANOMALIES OF FETUS .....		2	*		2	*
UNDERLYING CAUSE OF DEATH .....		47	100.0		45	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
VIRGINIA .....	7,913			893		
GESTATION						
CLINICAL ESTIMATE .....		1,065	13.5		33	3.7
AS COMPUTED .....		1,826	23.1		152	17.0
COMBINED .....		449	5.7		10	*
PLACE OF DELIVERY .....		1	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		5,845	73.9		223	25.0
NUMBER OF VISITS .....		5,943	75.1		248	27.8
FETUS						
SEX <sup>1</sup> .....		6,724	85.0		-	*
BIRTH WEIGHT .....		6,970	88.1		250	28.0
MOTHER						
MARITAL STATUS .....		408	5.2		18	*
EDUCATION .....		4,941	62.4		329	36.8
HISPANIC ORIGIN .....		1,535	19.4		107	12.0
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		605	7.6		34	3.8
BORN LIVE, NOW DEAD .....		607	7.7		34	3.8
OTHER TERMINATIONS .....		629	7.9		37	4.1
FATHER						
RACE .....		7,913	100.0		893	100.0
AGE .....		7,912	100.0		892	99.9
EDUCATION .....		7,913	100.0		893	100.0
HISPANIC ORIGIN .....		7,913	100.0		893	100.0
MEDICAL RISK FACTORS .....		5,953	75.2		228	25.5
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY		6,139	77.6		264	29.6
ALCOHOL USE DURING PREGNANCY		6,246	78.9		300	33.6
WEIGHT GAIN DURING PREGNANCY ..		7,071	89.4		473	53.0
OBSTETRIC PROCEDURES .....		6,022	76.1		220	24.6
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		6,198	78.3		263	29.5
CONGENITAL ANOMALIES OF FETUS .....		6,332	80.0		288	32.3
UNDERLYING CAUSE OF DEATH .....		7,913	100.0		893	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
WASHINGTON .....	473			465		
GESTATION						
CLINICAL ESTIMATE .....		40	8.5		40	8.6
AS COMPUTED .....		136	28.8		136	29.2
COMBINED .....		28	5.9		28	6.0
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		99	20.9		99	21.3
NUMBER OF VISITS .....		110	23.3		110	23.7
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		58	12.3		57	12.3
MOTHER						
MARITAL STATUS .....		31	6.6		31	6.7
EDUCATION .....		160	33.8		160	34.4
HISPANIC ORIGIN .....		76	16.1		76	16.3
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		25	5.3		25	5.4
BORN LIVE, NOW DEAD .....		28	5.9		28	6.0
OTHER TERMINATIONS .....		35	7.4		35	7.5
FATHER						
RACE .....		77	16.3		77	16.6
AGE .....		144	30.4		144	31.0
EDUCATION .....		192	40.6		192	41.3
HISPANIC ORIGIN .....		109	23.0		109	23.4
MEDICAL RISK FACTORS .....		133	28.1		133	28.6
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		137	29.0		136	29.2
ALCOHOL USE DURING PREGNANCY .....		162	34.2		161	34.6
WEIGHT GAIN DURING PREGNANCY .....		269	56.9		265	57.0
OBSTETRIC PROCEDURES .....		123	26.0		123	26.5
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		147	31.1		146	31.4
CONGENITAL ANOMALIES OF FETUS .....		175	37.0		174	37.4
UNDERLYING CAUSE OF DEATH .....		473	100.0		465	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
WEST VIRGINIA .....	190			189		
<b>GESTATION</b>						
CLINICAL ESTIMATE .....		1	*		1	*
AS COMPUTED .....		17	*		17	*
COMBINED .....		-	*		-	*
PLACE OF DELIVERY .....		-	*		-	*
<b>PRENATAL CARE</b>						
MONTH BEGAN .....		14	*		14	*
NUMBER OF VISITS .....		15	*		15	*
<b>FETUS</b>						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		11	*		11	*
<b>MOTHER</b>						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		20	10.5		20	10.6
HISPANIC ORIGIN .....		-	*		-	*
<b>PREGNANCY HISTORY</b>						
BORN LIVE, NOW LIVING .....		-	*		-	*
BORN LIVE, NOW DEAD .....		-	*		-	*
OTHER TERMINATIONS .....		-	*		-	*
<b>FATHER</b>						
RACE .....		40	21.1		40	21.2
AGE .....		59	31.1		59	31.2
EDUCATION .....		57	30.0		56	29.6
HISPANIC ORIGIN .....		40	21.1		40	21.2
MEDICAL RISK FACTORS .....		-	*		-	*
<b>OTHER RISK FACTORS</b>						
TOBACCO USE DURING PREGNANCY .....		16	*		16	*
ALCOHOL USE DURING PREGNANCY .....		22	11.6		22	11.6
WEIGHT GAIN DURING PREGNANCY .....		79	41.6		79	41.8
OBSTETRIC PROCEDURES .....		-	*		-	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		-	*		-	*
CONGENITAL ANOMALIES OF FETUS .....		-	*		-	*
UNDERLYING CAUSE OF DEATH .....		190	100.0		189	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION  
 \* FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
WISCONSIN .....	459			452		
GESTATION						
CLINICAL ESTIMATE .....		4	*		4	*
AS COMPUTED .....		27	5.9		27	6.0
COMBINED .....		3	*		3	*
PLACE OF DELIVERY .....		2	*		2	*
PRENATAL CARE						
MONTH BEGAN .....		10	*		10	*
NUMBER OF VISITS .....		12	*		12	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		11	*		11	*
MOTHER						
MARITAL STATUS .....		1	*		1	*
EDUCATION .....		18	*		18	*
HISPANIC ORIGIN .....		35	7.6		35	7.7
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		1	*		1	*
BORN LIVE, NOW DEAD .....		2	*		2	*
OTHER TERMINATIONS .....		3	*		3	*
FATHER						
RACE .....		161	35.1		158	35.0
AGE .....		181	39.4		178	39.4
EDUCATION .....		167	36.4		164	36.3
HISPANIC ORIGIN .....		177	38.6		174	38.5
MEDICAL RISK FACTORS .....		4	*		4	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		7	*		7	*
ALCOHOL USE DURING PREGNANCY .....		7	*		7	*
WEIGHT GAIN DURING PREGNANCY .....		29	6.3		28	6.2
OBSTETRIC PROCEDURES .....		3	*		3	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		1	*		1	*
CONGENITAL ANOMALIES OF FETUS .....		2	*		2	*
UNDERLYING CAUSE OF DEATH .....		459	100.0		452	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 13

NUMBER AND PERCENT OF FETAL DEATHS WITH UNKNOWN RESPONSES BY OCCURRENCE: UNITED STATES AND EACH STATE, 1990. (UNKNOWN RESPONSES INCLUDE NOT STATEDS AND NOT ON REPORTING FORM)

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN	TOTAL DEATHS	NUMBER UNKNOWN	PERCENT UNKNOWN
WYOMING .....	44			43		
GESTATION						
CLINICAL ESTIMATE .....		1	*		1	*
AS COMPUTED .....		5	*		5	*
COMBINED .....		-	*		-	*
PLACE OF DELIVERY .....		-	*		-	*
PRENATAL CARE						
MONTH BEGAN .....		1	*		1	*
NUMBER OF VISITS .....		2	*		2	*
FETUS						
SEX <sup>1</sup> .....		-	*		-	*
BIRTH WEIGHT .....		2	*		2	*
MOTHER						
MARITAL STATUS .....		-	*		-	*
EDUCATION .....		1	*		-	*
HISPANIC ORIGIN .....		-	*		-	*
PREGNANCY HISTORY						
BORN LIVE, NOW LIVING .....		-	*		-	*
BORN LIVE, NOW DEAD .....		-	*		-	*
OTHER TERMINATIONS .....		-	*		-	*
FATHER						
RACE .....		11	*		11	*
AGE .....		11	*		11	*
EDUCATION .....		12	*		11	*
HISPANIC ORIGIN .....		11	*		11	*
MEDICAL RISK FACTORS .....		1	*		1	*
OTHER RISK FACTORS						
TOBACCO USE DURING PREGNANCY .....		2	*		2	*
ALCOHOL USE DURING PREGNANCY .....		3	*		3	*
WEIGHT GAIN DURING PREGNANCY ..		13	*		12	*
OBSTETRIC PROCEDURES .....		1	*		1	*
COMPLICATIONS OF LABOR AND/OR DELIVERY .....		1	*		1	*
CONGENITAL ANOMALIES OF FETUS .....		1	*		1	*
UNDERLYING CAUSE OF DEATH .....		44	100.0		43	100.0

<sup>1</sup> NOT STATED SEX IS IMPUTED FOR FETAL DEATHS OF 20 WEEKS OR MORE GESTATION FEWER THAN 20 CASES

FETAL DEATH DOCUMENTATION TABLE 14

NUMBER AND PERCENT OF FETAL DEATHS WITH SPECIFIC CHECKBOX ITEMS REPORTED BY PLACE OF RESIDENCE FOR THE UNITED STATES, 1990

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED
MEDICAL RISK FACTORS FOR THIS PREGNANCY						
ANEMIA .....	60,259	1,102	1.8	29,102	848	2.9
CARDIAC DISEASE .....	60,259	204	0.3	29,102	116	0.4
ACUTE OR CHRONIC LUNG DISEASE .....	60,259	208	0.3	29,102	149	0.5
DIABETES .....	60,259	854	1.4	29,102	722	2.5
GENITAL HERPES .....	49,649	173	0.3	27,762	147	0.5
HYDRAMINOS/OLIGOHYDRAMINOS .....	49,649	947	1.9	27,762	906	3.3
HEMOGLOBINOPATHY .....	49,649	72	0.1	27,762	66	0.2
HYPERTENSION, CHRONIC .....	60,259	678	1.1	29,102	583	2.0
HYPERTENSION, PREGNANCY-ASSOCIATED .....	60,259	1,108	1.8	29,102	1,070	3.7
ECLAMPSIA .....	60,259	167	0.3	29,102	146	0.5
INCOMPETENT CERVIX .....	49,649	666	1.3	27,762	545	2.0
PREVIOUS INFANT 4000+ GRAMS .....	49,649	253	0.5	27,762	233	0.8
PREVIOUS PRETERM OR SMALL-FOR-GESTATIONAL-AGE INFANT .....	49,649	819	1.6	27,762	715	2.6
RENAL DISEASE .....	60,259	165	0.3	29,102	141	0.5
RH SENSITIZATION .....	60,036	241	0.4	28,886	165	0.6
UTERINE BLEEDING .....	60,259	5,593	9.3	29,102	1,115	3.8

<sup>1</sup> TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIC CHECKBOX ITEMS.

FETAL DEATH DOCUMENTATION TABLE 14

NUMBER AND PERCENT OF FETAL DEATHS WITH SPECIFIC CHECKBOX ITEMS REPORTED BY PLACE OF RESIDENCE FOR THE UNITED STATES, 1990

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED
OBSTETRIC PROCEDURES						
AMNIOCENTESIS .....	60,259	1,860	3.1	29,102	1,672	5.7
ELECTRONIC FETAL MONITORING .....	60,259	7,022	11.7	29,102	6,556	22.5
INDUCTION OF LABOR .....	60,259	7,421	12.3	29,102	6,854	23.6
STIMULATION OF LABOR .....	60,259	2,374	3.9	29,102	2,161	7.4
TOCOLYSIS .....	60,259	859	1.4	29,102	785	2.7
ULTRASOUND .....	58,707	23,568	40.1	27,601	13,583	49.2

<sup>1</sup> TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIC CHECKBOX ITEMS.

FETAL DEATH DOCUMENTATION TABLE 14

NUMBER AND PERCENT OF FETAL DEATHS WITH SPECIFIC CHECKBOX ITEMS REPORTED BY PLACE OF RESIDENCE FOR THE UNITED STATES, 1990

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED
COMPLICATIONS OF LABOR AND/OR DELIVERY						
FEBRILE .....	60,259	1,396	2.3	29,102	1,164	4.0
MECONIUM, MODERATE/HEAVY .....	60,259	1,476	2.4	29,102	1,458	5.0
PREMATURE RUPTURE OF MEMBRANE .....	60,259	2,623	4.4	29,102	2,186	7.5
ABRUPTIO PLACENTA .....	60,259	2,507	4.2	29,102	2,358	8.1
PLACENTA PREVIA .....	60,259	303	0.5	29,102	263	0.9
OTHER EXCESSIVE BLEEDING .....	60,259	749	1.2	29,102	430	1.5
SEIZURES DURING LABOR .....	60,259	44	0.1	29,102	38	0.1
PRECIPITOUS LABOR .....	60,259	382	0.6	29,102	352	1.2
PROLONGED LABOR .....	60,259	177	0.3	29,102	164	0.6
DYSFUNCTIONAL LABOR .....	60,259	172	0.3	29,102	160	0.5
BREECH/MALPRESENTATION .....	60,036	3,104	5.2	28,886	2,895	10.0
CEPHALOPELVIC DISPROPORTION .....	47,524	171	0.4	25,720	171	0.7
CORD PROLAPSE .....	60,259	666	1.1	29,102	621	2.1
ANESTHETIC COMPLICATIONS .....	58,134	36	0.1	27,060	25	0.1
FETAL DISTRESS .....	58,134	723	1.2	27,060	671	2.5

<sup>1</sup> TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIC CHECKBOX ITEMS.

FETAL DEATH DOCUMENTATION TABLE 14

NUMBER AND PERCENT OF FETAL DEATHS WITH SPECIFIC CHECKBOX ITEMS REPORTED BY PLACE OF RESIDENCE FOR THE UNITED STATES, 1990

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED
METHOD OF DELIVERY						
VAGINAL .....	49,649	35,037	70.6	27,762	22,088	79.6
VAGINAL BIRTH AFTER PREVIOUS C-SECTION .....	49,649	737	1.5	27,762	669	2.4
PRIMARY C-SECTION .....	49,649	1,786	3.6	27,762	1,752	6.3
REPEAT C-SECTION .....	49,649	727	1.5	27,762	712	2.6
FORCEPS .....	49,649	589	1.2	27,762	411	1.5
VACUUM .....	49,649	2,317	4.7	27,762	322	1.2
HYSTEROTOMY/HYSTERECTOMY .....	37,825	193	0.5	19,838	121	0.6

<sup>1</sup> TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIC CHECKBOX ITEMS.

FETAL DEATH DOCUMENTATION TABLE 14

NUMBER AND PERCENT OF FETAL DEATHS WITH SPECIFIC CHECKBOX ITEMS REPORTED BY PLACE OF RESIDENCE FOR THE UNITED STATES, 1990

	ALL FETAL DEATHS			20 WEEKS OR MORE		
	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED	TOTAL DEATHS <sup>1</sup>	NUMBER REPORTED	PERCENT REPORTED
CONGENITAL ANOMALIES OF FETUS						
ANENCEPHALUS .....	43,667	386	0.9	25,526	359	1.4
SPINA BIFIDA/MENINGOCELE .....	43,667	173	0.4	25,526	159	0.6
HYDROCEPHALUS .....	43,667	267	0.6	25,526	250	1.0
MICROCEPHALUS .....	43,667	51	0.1	25,526	50	0.2
OTHER CENTRAL NERVOUS SYSTEM						
ANOMALIES .....	43,667	236	0.5	25,526	216	0.8
HEART MALFORMATIONS .....	43,667	233	0.5	25,526	225	0.9
OTHER CIRCULATORY/RESPIRATORY						
ANOMALIES .....	43,667	221	0.5	25,526	207	0.8
RECTAL ATRESIA/STENOSIS .....	43,667	32	0.1	25,526	32	0.1
TRACHEO ESOPHAGEAL						
FISTULA/ESOPHAGEAL ATRESIA .....	43,667	24	0.1	25,526	24	0.1
OMPHALOCELE/GASTROSCHISIS .....	43,667	163	0.4	25,526	143	0.6
OTHER GASTROINTESTINAL ANOMALIES ..	43,667	118	0.3	25,526	107	0.4
MALFORMED GENITALIA .....	43,667	111	0.3	25,526	106	0.4
RENAL AGENESIS .....	43,667	119	0.3	25,526	116	0.5
OTHER UROGENITAL ANOMALIES .....	43,667	141	0.3	25,526	130	0.5
CLEFT LIP/PALATE .....	43,667	199	0.5	25,526	191	0.7
POLYDACTYLY/SYNDACTYLY/ADACTYLY ..	43,667	126	0.3	25,526	121	0.5
CLUB FOOT .....	43,667	107	0.2	25,526	102	0.4
DIAPHRAGMATIC HERNIA .....	43,667	37	0.1	25,526	37	0.1
OTHER						
MUSCULOSKETAL/INTEGUMENTAL						
ANOMALIES .....	43,667	270	0.6	25,526	247	1.0
DOWN'S SYNDROME .....	43,667	185	0.4	25,526	164	0.6
OTHER CHROMOSOMAL ANOMALIES .....	43,667	339	0.8	25,526	303	1.2

<sup>1</sup> TOTAL NUMBER OF FETAL DEATHS TO RESIDENTS OF AREAS REPORTING SPECIFIC CHECKBOX ITEMS.

**1990 ADDENDUM TO "TECHNICAL APPENDIX" OF VITAL STATISTICS OF THE UNITED STATES, 1989, VOLUME II, MORTALITY, PART A**

To assist the users of the mortality public-use data tapes, attached is a copy of the "Technical Appendix" of the Vital Statistics of the United States, 1989, Volume II, Mortality, Part A. This technical appendix provides certain qualifications that are essential to using, analyzing, and interpreting the data on those tapes. Certain modifications to the attached technical appendix are essential to make it applicable to the mortality file for the 1990 data year. Those modifications, which will appear in the printed version of the 1990 technical appendix, include the following:

I. Source of data

State-coded medical data:

For 1990, of the States in the VSCP, the following 25 States submitted precoded medical data for all death certificates on computer tape: California, Colorado, Florida, Georgia, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Nebraska, New Hampshire, New York State (excluding New York City), North Carolina, Pennsylvania, South Carolina, Texas, Vermont, Virginia, Washington, and Wisconsin. NCHS also contracted with Colorado and Kansas to precode medical data for all deaths on computer tape for Alaska, Delaware, Idaho, North Dakota, and Wyoming. Vermont subcontracted with Pennsylvania to code its medical data.

The remaining 20 VSCP States, New York City, and the District of Columbia submitted copies of the original certificates from which NCHS coded the medical data

All States submitted precoded demographic data for all death certificates on computer tape in 1990.

Data for Puerto Rico, the Virgin Islands, and Guam are not available on the mortality public-use data tapes.

II. Classification of data

A. Medical Indexing, Classification, and Retrieval (MICAR).

Before 1968, mortality medical data were based on manual coding of an underlying cause of death for each certificate in accordance with WHO rules. Effective with data year 1968, NCHS converted to computerized coding of the underlying cause and manual coding of all causes (multiple causes) on the death certificate. In this system, called "Automated Classification of Medical Entities" (ACME), the multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. Since 1968, many States also have implemented ACME and provide multiple cause and underlying cause data to NCHS in electronic form.

Beginning with data year 1990, another computer system is being implemented. This system, called "Mortality Medical Indexing, Classification, and Retrieval" (MICAR) (1,2), automates the coding of the multiple causes of death. In addition, MICAR ultimately can provide more detailed information on the conditions reported on the death certificates than is available through the International Classification of Diseases (ICD) code structure. In this first year of implementation, only about 5 percent (94,372) of the nation's death records were coded using MICAR with subsequent processing through ACME. This includes a portion of the records for Alabama, Kentucky, Oregon, Rhode Island, and West Virginia. The remainder of the national file was processed by either NCHS or States using only the ACME system.

B. Metropolitan Areas.

Metropolitan areas are as defined March 30, 1990, and reflects population counts from the 1990 Census. A new listing of 320 Metropolitan Statistical Areas (MSAs), Primary Metropolitan Statistical Areas (PMSAs), and New England County Metropolitan Areas (NECMAs) is included in this documentation. There are also 20 consolidated Metropolitan Statistical Areas (CMSAs), which are made up of PMSAs. Other geographic changes based in the 1990 Census will be implemented later.

C. Hispanic origin.

Data for 1990 were obtained from the District of Columbia and all States except the following three States: Louisiana, New Hampshire, and Oklahoma.

For 1990, mortality data published in Vital Statistics of the United States (VSUS) tables 1-37 and 2-19 are based on deaths to residents of all 47 States and the District of Columbia. Tables 1-38, 1-43, and 1-44 are based on deaths to residents of 45 States, New York State (excluding New York City), and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 45 States are Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada,

New Jersey, New Mexico, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming. Data for Connecticut were excluded from tables 1-38, 1-43, and 1-44 because of the large proportion of deaths (in excess of 10 percent) occurring in the State for which Hispanic origin was not stated or was unknown.

In tables 2-20, 2-21, 2-22, and 2-23 the data are based on deaths to residents of 45 States, New York State (excluding New York City), and the District of Columbia whose mortality data for all ages and whose live birth data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 45 States are the same as listed above. Data for Connecticut were excluded for the reason stated above.

The 45 States, New York State (excluding New York City), and the District of Columbia for which general mortality data are shown in this report accounted for about 89 percent of the Hispanic population in the United States, including about 99 percent of the Mexican population, 58 percent of the Puerto Rican population, 92 percent of the Cuban population, and 81 percent of the "Other Hispanic" population (3).

Infant mortality—Infant mortality rates by Hispanic origin may be biased, because of inconsistencies in reporting Hispanic or ethnic origin between the birth and death certificates for the same infant. Estimates of reporting bias have been made by comparing rates based on the linked file of infant deaths and live births with those where the Hispanic or ethnic origin of infant death is based on information from the death certificate (4).

D. Educational attainment.

Mortality data on educational attainment for 1990 are based on deaths to residents of 28 States and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis. These 28 States are Alabama, Arizona, California, Colorado, Delaware, Florida, Hawaii, Idaho, Illinois, Iowa, Kansas, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, Texas, Utah, Vermont, Wisconsin, and Wyoming.

E. Occupation and industry.

Deaths by occupation and industry are included on the 1990 public-use data tapes. These data were included for the first time for 1985. These data were obtained from the following items that appear on the U.S. Standard Certificate of Death:

o (Item 14a) USUAL OCCUPATION (Give kind of work done during most of working life, even if retired.)

o (Item 14b) KIND OF BUSINESS OR INDUSTRY

The occupation and industry mortality data were provided to NCHS by the following 21 reporting States:

Colorado	North Carolina
Georgia	Ohio
Idaho	Oklahoma
Indiana	Rhode Island
Kansas	South Carolina
Kentucky	Utah
Maine	Vermont
Nevada	Washington
New Hampshire	West Virginia
New Jersey	Wisconsin
New Mexico	

These data were coded using the NCHS Part 19 instruction manual (5). The occupation and industry titles corresponding to the 3-digit occupation codes and the 3-digit industry codes are shown in a Bureau of the Census publication (6). In addition to the codes shown in the Census publication, the following special codes were created:

<u>Occupation</u>	<u>Industry</u>
905 Military	942 Military
913 Retired	951 Retired
914 Homemaker	961 Homemaker, student, unemployed, volunteer
915 Student	
916 Volunteer	
917 Unemployed, never worked, disabled	

Special summary occupation and industry lists were created and are shown elsewhere in this documentation. Also, a special cause-of-death list was created including possible occupationally-related causes of death. This list is the List of 52 selected causes shown elsewhere in this documentation.

The 1990 occupation and industry mortality data will not appear in Vital Statistics of the United States, 1990.

### III. Quality of data:

#### Alaska Data

Numbers of deaths occurring in Alaska for 1980-1990 are in error for selected causes because NCHS did not receive changes resulting from amended records. Differences are concentrated among selected causes of death, principally Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780-799) and external causes, including Accidents and adverse effects (ICD-9 Nos. E800-E949), Suicide (ICD-9 Nos. E950-E959), and Homicide and legal intervention (ICD-9 Nos. E960-E978).

### IV. Population bases for computing rates:

The Population used for computing death rates and life tables shown in VSUS, 1990 (furnished by the U.S. Bureau of the Census) represents the population residing in the specified area. The populations for 1990 are based on the April 1, 1990 census enumeration. The 1990 census counts by age and race were modified to be consistent with Office of Management and Budget categories and historical categories for death data.

Death rates and life table values for 1981-89 have been recomputed, based on revised populations for those years that are consistent with the 1990 census levels (7,8). They are, therefore, not comparable with death rates and life table values published in other NCHS publications for those years.

### References

1. National Center for Health Statistics. Vital statistics, data entry instructions for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2g. Hyattsville, Maryland: Public Health Service. Published annually.
2. National Center for Health Statistics. Vital statistics, dictionary of valid terms for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2h. Hyattsville, Maryland: Public Health Service. Published annually.
3. U.S. Bureau of the Census: Unpublished data from the 1990 census for persons of Spanish origin by State.

4. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1989, vol II, mortality, part A. Washington: Public Health Service. 1993.
5. National Center for Health Statistics: Industry and occupation coding for death certificates, 1990. NCHS instruction manual, Part 19. Hyattsville, Maryland: Public Health Service. 1990
6. U.S. Bureau of the Census: Classified index of industries and occupations. 1980 Census of Population. Washington: U.S. Department of Commerce. 1982.
7. U.S Bureau of the Census: Unpublished data from the 1990 census, by age, race, and sex.
8. U.S. Bureau of the Census: Unpublished data from the 1990 census, by State.

## SOURCES OF DATA

### Death and fetal-death statistics

Mortality statistics for 1989 are, as for all previous years except 1972, based on information from records of all deaths occurring in the United States. Fetal-death statistics for every year are based on all reports of fetal death received by the National Center for Health Statistics (NCHS).

The death-registration system and the fetal-death reporting system of the United States encompass the 50 States, the District of Columbia, New York City (which is independent of New York State for the purpose of death registration), Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Trust Territory of the Pacific Islands. In the statistical tabulations of this publication, United States refers only to the aggregate of the 50 States (including New York City) and the District of Columbia. Tabulations for Guam, Puerto Rico, and the Virgin Islands are shown separately in this volume. No data have ever been included for American Samoa or the Trust Territory of the Pacific Islands.

The Virgin Islands was admitted to the registration area for deaths in 1924; Puerto Rico, in 1932; and Guam, in 1970. Tabulations of death statistics for Puerto Rico and the Virgin Islands were shown regularly in the annual volumes of Vital Statistics of the United States from the year of their admission through 1971 except for the years 1967 through 1969, and tabulations for Guam were included for 1970 and 1971. Death statistics for Puerto Rico, the Virgin Islands, and Guam were not included in the 1972 volume but have been included in section 8 of the volumes for each of the years 1973-78 and in section 9 beginning with 1979. Information for 1972 for these three areas was published in the respective annual vital statistics reports of the Department of Health of the Commonwealth of Puerto Rico, the Department of Health of the Virgin Islands, and the Department of Public Health and Social Services of the Government of Guam.

Procedures used by NCHS to collect death statistics have changed over the years. Before 1971, tabulations of deaths and fetal deaths were based solely on information obtained by NCHS from copies of the original certificates. The information from these copies was edited, coded, and tabulated. For 1960-70, all mortality information taken from these records was transferred by NCHS to magnetic tape for computer processing.

Beginning with 1971, an increasing number of States provided NCHS, with computer tapes of data coded according to NCHS specifications and provided to NCHS through the Vital Statistics Cooperative Program. The year State-coded demographic data were first transmitted on computer tape to NCHS is shown below for each of the States, New York City, Puerto Rico, and the District of Columbia, all of which now furnish demographic or nonmedical data on tape.

1971	Florida	1977	Alaska Idaho Massachusetts New York City Ohio Puerto Rico
1972	Maine Missouri New Hampshire Rhode Island Vermont	1978	Indiana Utah Washington
1973	Colorado Michigan New York (except) New York City)	1979	Connecticut Hawaii Mississippi New Jersey Pennsylvania Wyoming
1974	Illinois Iowa Kansas Montana Nebraska Oregon South Carolina	1980	Arkansas New Mexico South Dakota
1975	Louisiana Maryland North Carolina Oklahoma Tennessee Virginia Wisconsin	1982	North Dakota
1976	Alabama Kentucky Minnesota Nevada Texas West Virginia	1985	Arizona California Delaware Georgia District of Columbia

For the Virgin Islands and Guam, mortality statistics for 1989 are based on information obtained directly by NCHS from copies of the original certificates received from the registration offices.

In 1974 States began coding medical (cause-of-death) data on computer tapes according to NCHS specifications. The year State-coded medical data were first transmitted to NCHS is shown below for the 30 States now furnishing such data. For 1989 Georgia, Indiana, Maine, and Wisconsin submitted precoded medical data on computer tape for part of the year. NCHS contracted with Colorado, Kansas, and Mississippi to precode medical data for all deaths on computer tape for the five States added in 1988. Vermont subcontracted with Pennsylvania to code its medical data.

1974	Iowa Michigan	1984	Maryland New York State (except New York City) Vermont
1975	Louisiana Nebraska North Carolina Virginia Wisconsin	1986	California Florida Texas
1980	Colorado Kansas Massachusetts Mississippi New Hampshire Pennsylvania South Carolina	1988	Alaska Delaware Idaho North Dakota Wyoming
1981	Maine	1989	Georgia Indiana Washington
1983	Minnesota		

For 1989 and previous years except 1972, NCHS coded the medical information from copies of the original certificates received from the registration offices for all deaths occurring in those States that were not furnishing NCHS medical data coded according to NCHS specifications. In addition, Georgia, Indiana, Maine, and Wisconsin submitted copies of the original certificates from which NCHS coded the medical data for part of the year. For 1981 and 1982, these procedures were modified because of a coding and processing backlog resulting from personnel and budgetary restrictions. To produce the mortality files on a timely basis with reduced resources, NCHS used State-coded underlying cause-of-death information supplied by 19 States for 50 percent of the records; for the other 50 percent of the records for these States as well as for 100 percent of the records for the remaining 21 registration areas, NCHS coded the medical information. Mortality statistics for 1972 were based on information obtained from a 50-percent sample of death records instead of from all records as in

other years. Sampling variation associated with the 50-percent sample is described below in the section "Estimates of errors arising from 50-percent sample for 1972."

Fetal-death data are obtained directly from copies of original reports of fetal deaths received by NCHS from State registration offices, except registration offices in New York State (excluding New York City), which submitted State-coded data in 1989. Fetal-death data are not published by NCHS for the Virgin Islands and Guam.

### **Standard certificates and reports**

For many years, the U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death, issued by the Public Health Service, have been used as the principle means to attain uniformity in the contents of documents used to collect information on these events. They have been modified in each State to the extent required by the particular needs of the State or by special provisions of the State vital statistics law. However, the certificates or reports of most States conform closely in content and arrangement to the standards.

The first issue of the U.S. Standard Certificate of Death appeared 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 such fields as public health, social welfare, demography, and insurance. This revision procedure has ensured careful evaluation of each item in terms of its current and future usefulness for legal, medical and health, 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, items have been dropped when their usefulness appeared to be limited.

New revisions of the U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death were recommended for State use beginning January 1, 1989. The U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death are shown in figures 7-A and 7-B (1).

Among the major changes made were the addition of a new item on educational attainment and changes to improve the medical certification of cause of death. Additional lines to report causes of death were added as well as more complete instructions with examples for properly completing the cause of death. Also, for the first time, the U.S. Standard Certificate of Death includes a question about the Hispanic origin of the decedent. A number of States had included an Hispanic-origin identifier on their certificates, resulting in data shown in this volume for

years before 1989. To obtain information on type of place of death, the format of the item was changed from an open-ended question to a checkbox.

## HISTORY

The first death statistics published by the Federal Government concerned events in 1850 and were based on statistics collected during the decennial census of that year. In 1880 a national "registration area" was created for recording deaths. Originally consisting of two States (Massachusetts and New Jersey), the District of Columbia, and several large cities having efficient systems for death registrations, the death-registration area continued to expand until 1933, when, for the first time, it included the entire United States. Tables showing data for death-registration States include the District of Columbia for all years; registration cities in nonregistration States are not included. For more details on the history of the death-registration area, see the Technical Appendix in Vital Statistics of the United States, 1979, Volume II, Mortality, Part A, section 7, pages 3 and 4, and the section "History and Organization of the Vital Statistics System," chapter 1, Vital Statistics of the United States, 1950, Volume I, pages 2-19. Statistics on fetal deaths were first published for the birth- registration area in 1918 and then annually beginning in 1922.

## CLASSIFICATION OF DATA

The principal value of vital statistics data is realized through the presentation of rates, which are computed by relating the vital events of a class to the population of a similarly defined class. Vital statistics and population statistics must therefore be classified according to similarly defined systems and tabulated in comparable groups. Even when the variables common to both, such as geographic area, age, sex, and race, 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 in the classification of geographic and personal items for deaths and fetal deaths for 1989 appear in two NCHS instruction manuals (2,3). A discussion of the classification of certain important items is presented below.

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

Tabulations for the United States and specified geographic areas in this volume are classified by place of residence unless stated as by place of occurrence. Before 1970, resident mortality statistics for the United States included all deaths occurring in the United States with deaths of "nonresidents of the United States" assigned to place of death. "Deaths of nonresidents of the United States" refers to deaths that occur in the United States to nonresident aliens; nationals residing abroad; and residents of Puerto Rico, the Virgin Islands, Guam, and other territories of the United States. Beginning with 1970, "deaths of nonresidents of the United States" are not included in tables by place of residence.

Tables by place of occurrence, on the other hand, include deaths of residents and nonresidents of the United States. Consequently, for each year beginning with 1970, the total number of deaths in the United States by place of occurrence was somewhat greater than the total by place of residence. For 1989 this difference amounted to 3,393 deaths. Mortality statistics by place of occurrence are shown in tables 1-11, 1-19, 1-20, 1-30, 1-31, 1-32, 3-1, 3-6, 8-1, and 8-7.

Before 1970, except in 1964 and 1965, deaths of nonresidents of the United States occurring in the United States were treated as deaths of residents of the exact places of occurrence, which in most instances were urban areas. In 1964 and 1965 deaths of nonresidents of the United States occurring in the United States were allocated as deaths of residents of the balance of the county in which they occurred.

Residence error—Results of a 1960 study showed the classification of residence information on the death certificates corresponded closely to the residence classification of the census records for the decedents whose records were matched (4).

A comparison of the results of this study of deaths with those for a previous matched record study of births (5) showed the quality of residence data had improved considerably between 1950 and 1960. Both studies found that events in urban areas were overstated by the NCHS classification in comparison with the U.S. Bureau of the Census classification. The magnitude of the difference was substantially less for deaths in 1960 than it was for births in 1950.

The improvement is attributed to an item added in 1956 to the U.S. Standard Certificates of Birth and of Death, asking whether residence was inside or outside city limits. This new item aided in properly allocating the residence of persons living near cities but outside the corporate limits.

### **Geographic classification**

The rules followed in the classification of geographic areas for deaths and fetal deaths are contained in the two instruction manuals referred to previously (2,3). The geographic codes assigned by the NCHS during data reduction of source information on birth, death, and fetal-death records are given in another instruction manual (6). Beginning with 1982 data, the geographic codes were modified to reflect results of the 1980 census. For 1970-81, codes are based on results of the 1970 census.

Standard metropolitan statistical areas—The standard metropolitan statistical areas (SMSA's) used in this volume are those established by the U.S. Office of Management and Budget (7) from final 1980 census population counts and used by the U.S. Bureau of the Census, except in the New England States.

An SMSA is a county or a group of contiguous counties containing a city of 50,000 inhabitants or more or an urbanized area of 50,000 with a total metropolitan population of at least 100,000, except in the New England States. In addition to the county or counties containing such a city or urbanized area, contiguous counties are included in an SMSA if, according to specified criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city or urbanized area (8).

In the New England States, the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of SMSA's. However, NCHS cannot use the SMSA classification for these States because its data are not coded to identify all towns. Instead, NCHS uses New England County Metropolitan Areas (NECMA's). Made up of county units, these areas are established by the U.S. Office of Management and Budget (8,9).

Metropolitan and nonmetropolitan counties—Independent cities and counties included in SMSA's or in NECMA's are included in data for metropolitan counties; all other counties are classified as nonmetropolitan.

Population-size groups—In 1989 vital statistics data for cities and certain other urban places were classified according to the population enumerated in the 1980 Census of Population. Specific data are available for each city or urban place with 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." For the years 1970-81, classification of areas was determined by the population enumerated in the 1970 Census of Population. Beginning with 1982 data, some urban places identified in previous reports were deleted and others were added because of changes occurring in the enumerated population between 1970 and 1980.

Urban places other than incorporated cities for which vital statistics data are shown in this volume include the following:

- Each town in the New England States, 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 a population of 10,000 or more, as there are no incorporated cities in the State.

Before 1964, places were classified as "urban" or "rural." The Technical Appendixes for earlier years discuss the previous classification system.

#### **State or country of birth**

Mortality statistics by State or country of birth (table 1-36) became available beginning with 1979. State or country of birth of a decedent is assigned to 1 of the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, or Guam—if specified on the death certificate. The place of birth also is tabulated for Canada, Cuba, Mexico, and for the Remainder of the World. Deaths for which information on State or country of birth was unknown, not stated, or not classifiable accounted for a small proportion, about 1.2 percent, of all deaths in 1989.

Early mortality reports published by the U.S. Bureau of the Census contained tables showing nativity of parents as well as nativity of decedent. Publication of these tables was discontinued in 1933. Mortality data showing nativity of decedent were published again in annual reports for 1939-41 and for 1950.

#### **Age**

The age recorded on the death record is the age at last birthday. With respect to the computation of death rates, the age classification used by the U.S. Bureau of the Census is based also on the age of the person in completed years.

For computation of age-specific and age-adjusted death rates, deaths with age not stated are excluded. For life table computation, deaths with age not stated are distributed proportionately.

## Race

For vital statistics in the United States for 1989, deaths are classified by race—white, black, American Indian, Chinese, Hawaiian, Japanese, Filipino, Other Asian or Pacific Islander, and Other. Mortality data for Filipino and Other Asian or Pacific Islander were shown for the first time in 1979.

The white category includes, in addition to persons reported as white, those reported as Mexican, Puerto Rican, Cuban, and all other Caucasians. The American Indian category includes American, Alaskan, Canadian, Mexican, Eskimo, and Aleut. If the racial entry on the death certificate indicates a mixture of Hawaiian and any other race, the entry is coded to Hawaiian. If the race is given as a mixture of white and any other race, the entry is coded to the appropriate nonwhite race. If a mixture of races other than white is given (except Hawaiian), the entry is coded to the first race listed. This procedure for coding the first race listed has been used since 1969. Before 1969, if the entry for race was a mixture of black and any other race except Hawaiian, the entry was coded to black.

Most of the tables in this volume, however, do not show data for this detailed classification by race. In all the tables, the divisions are white, all other (including black), and black separately.

Race not stated—For 1989 the number of death records for which race was unknown, not stated, or not classifiable was 4,499, or 0.2 percent of the total deaths. Death records with race entry not stated are assigned to a racial designation as follows: If the preceding record is coded white, the code assignment is made to white; if the code is other than white, the assignment is made to black. Before 1964 all records with race not stated were assigned to white except records of residents of New Jersey for 1962-64.

New Jersey, 1962-64—New Jersey omitted the race item from its certificates of live birth, death, and fetal death used in the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without the race item was used for most of 1962 as well as 1963. Therefore, figures by race for 1962 and 1963 exclude New Jersey. For 1964, 6.8 percent of the death records used for residents of New Jersey did not contain the race item.

Adjustments made in vital statistics to account for the omission of the race item in New Jersey for part of the certificates filed during 1962 through 1964 are described in the Technical Appendix of Vital Statistics of the United States for each of those data years.

## Hispanic origin

Mortality statistics for the Hispanic-origin population are based on information for those States and the District of Columbia that included items on the death certificate to identify Hispanic or ethnic origin of decedents. Data for 1989 were obtained from the District of Columbia and all States except Louisiana, New Hampshire, and Oklahoma.

Hispanic mortality data were published for the first time in 1984. Generally, the reporting States used items similar to one of two basic formats recommended by NCHS. The first format is directed specifically toward the Hispanic population and appears on the U.S. Standard Certificate of Death as follows:

Was decedent of Hispanic origin?  
(Specify No or Yes- If Yes, specify Cuban, Mexican,  
Puerto Rican, etc.)    \_\_\_ No                    \_\_\_ Yes  
Specify:

The second format is a more general ancestry item and appears as follows:

Ancestry- Mexican, Puerto Rican, Cuban, African,  
English, Irish, German, Homong, etc., (specify)

For 1989, mortality data in tables 1-37 and 2-19 are based on deaths to residents of all 47 reporting States and the District of Columbia. In tables 1-38, 1-43, and 1-44, mortality data for the Hispanic-origin population are based on deaths to residents of 44 reporting States and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 44 States are Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York (including New York City), North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, West Virginia, Wisconsin, and Wyoming. Data for three States--Connecticut, Maryland, and Virginia--are excluded from tables 1-38, 1-43, and 1-44 because of the large proportion of deaths (in excess of 10 percent) occurring in these States for which Hispanic origin was not stated or was unknown.

In tables 2-20, 2-21, 2-22, and 2-23, the reporting areas are based on deaths to residents of 43 reporting States and the District of Columbia whose mortality data for all ages and whose live birth data were at least 90 percent complete

on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 43 States are Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York (including New York City), North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, West Virginia, Wisconsin, and Wyoming. Data for Connecticut, Maryland, and Virginia were excluded for the reasons stated above. Rhode Island also was excluded because of the large proportion of unknown.

The 44 and 43 reporting States and the District of Columbia for which general mortality data are shown in this report accounted for about 97 percent of the Hispanic population in the United States in 1980. This included about 99 percent of the Mexican population, 94 percent of the Puerto Rican population, 97 percent of the Cuban population, and 94 percent of the "Other Hispanic" population (10). Accordingly, some caution should be exercised in generalizing mortality patterns of reporting areas to the Hispanic-origin population of the entire United States. For qualifications regarding infant mortality of the Hispanic-origin population, see "Infant deaths."

#### **Marital status**

Mortality statistics by marital status (tables 1-34 and 1-35) were published in 1979 for the first time since 1961. (They were previously published in the annual volumes for 1949-51 and 1959-61.) Several reports analyzing mortality by marital status have been published, including the special study based on 1959-61 data (11). Reference to earlier reports is given in the appendix of part B of the 1959-61 special study.

Mortality statistics by marital status are tabulated separately for never married, married, widowed, and divorced. Certificates in which the marriage is specified as being annulled are classified as never married. Where marital status is specified as separated or common-law marriage, it is classified as married. Of the 2,094,043 resident deaths 15 years of age and over in 1989, 20,709 certificates (1.0 percent) had marital status not stated.

#### **Educational attainment**

Beginning with the 1989 data year, mortality data on educational attainment are being tabulated from information reported on the death certificate. As a result of the revision of the U.S. Standard Certificate of Death (1), this item was added to the certificates of a large number of States:

- Decedent's Education (specify only highest grade completed)  
Elementary/Secondary (0-12) College (1-4 or 5+)

Mortality data on educational attainment for 1989 are based on deaths to residents of 21 reporting States whose data were at least 90 percent complete on a place-of-occurrence basis. The 21 reporting States are Arizona, California, Colorado, Delaware, Florida, Hawaii, Idaho, Illinois, Iowa, Kansas, Michigan, Minnesota, Missouri, Montana, New Hampshire, Oregon, South Carolina, Utah, Vermont, Wisconsin, and Wyoming.

#### **Place of death and status of decedent**

Mortality statistics classified by place of death were published in 1979 for the first time since 1958 (tables 1-30, 1-31, and 1-32). In addition, mortality data were also available for the first time in 1979 for the status of decedent when death occurred in a hospital or medical center. The 1989 data were obtained from the following two items appearing on the revised U.S. Standard Certificate of Death: (1)

- Item 9a. Place of Death (check only one)  
Hospital: Inpatient, ER/Outpatient, DOA  
Other: Nursing Home, Residence, Other (specify)
- Item 9b. Facility Name (If not institution, give street and number)

Before to the 1989 revision of the Standard Certificate of Death, information on place of death and status of decedent should be determined if the hospital or institution indicated Inpatient, Outpatient, ER, and DOA, and if the name of the hospital or institution, which was used to determine the type of facility, on the certificate. The change to a checkbox format in many states for this item may affect the comparability of data between 1989 and previous years.

Except for Oklahoma, all of the States (including New York City) and the District of Columbia have item 9 (or its equivalent) on their certificates. Louisiana's certificate was revised in 1989, but the computer system was not changed. Therefore, the same detail categories used in 1988 were used in 1989. As a result, not all categories, were available. For all reporting States and the District of Columbia in the Vital Statistics Cooperative Program, NCHS accepts the State definition, classification, or code for hospitals, medical centers, nursing homes, or other institutions.

Effective with data year 1980, the coding for place of death and status of decedent was modified. A new coding category was added: "Death on arrival--hospital, clinic, medical center name not given." Deaths coded to this category are tabulated in tables 1-30, 1-31, and 1-32. Had the 1979 coding categories been used, these deaths would have been tabulated as "Place unknown."

California—For the first five months of data year 1989, California coded "residence" to "other" for "Place of Death."

### **Mortality by month and date of death**

Deaths by month have been tabulated regularly and published in the annual volume for each year beginning with data year 1900. For 1989 deaths by month are shown in tables 1-20, 1-21, 1-24, 1-33, 2-12, 2-13, 2-14, and 3-7.

Date of death was published for the first time for data year 1972. In addition, unpublished data for selected causes by date of death for 1962 are available from NCHS.

Numbers of deaths by date of death in this volume are shown in table 1-33 for the total number of deaths and for the numbers of deaths for the following three causes, for which the greatest interest in date of occurrence of death has been expressed: Motor vehicle accidents, Suicide, and Homicide and legal intervention.

These data show the frequency distribution of deaths for the selected causes by day of the week. They also make it possible to identify holidays with peak numbers of deaths from specified causes.

### **Report of autopsy**

Before 1972, the last year for which autopsy data were tabulated was 1958. Beginning in 1972, all registration areas requested information on the death certificates as to whether autopsies were performed. For 1989 autopsies were reported on 247,251 death certificates, 11.5 percent of the total (table 1-29).

Information indicating whether autopsy findings were used in determining the cause of death was tabulated for 1972-73 for all but nine registration areas and for 1974-77 for all but eight registration areas. The item "autopsy findings used" was deleted from the 1978 U.S. Standard Certificate of Death.

For eight of the cause-of-death categories shown in table 1-29, autopsies were reported as performed for 50 percent or more of all deaths (Meningococcal infection; Pregnancy with

abortive outcome; Other complications of pregnancy, childbirth, and the puerperium; Symptoms, signs, and ill-defined conditions; Motor vehicle accidents; Suicide; Homicide and legal intervention; and All other external causes). There was one other category for which 40 percent or more of the death certificates reported autopsies. Autopsies were reported for only 7.3 percent of the Major cardiovascular diseases.

### **Cause of death**

Cause-of-death classification—Since 1949, cause-of-death statistics have been based on the underlying cause of death, which is defined as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury" (12).

For each death the underlying cause is selected from an array of conditions reported in the medical certification section on the death certificate. This section provides a format for entering the cause of death sequentially. The conditions are translated into medical codes through use of the classification structure and the selection and modification rules contained in the applicable revision of the International Classification of Diseases (ICD), published by the World Health Organization (WHO). Selection rules provide guidance for systematically identifying the underlying cause of death. Modification rules are intended to improve the usefulness of mortality statistics by giving preference to certain classification categories over others and/or to consolidate two or more conditions on the certificate into one classification category.

As a statistical datum, underlying cause of death is a simple, one-dimensional statistic; it is conceptually easy to understand and a well-accepted measure of mortality. It identifies the initiating cause of death and is therefore most useful to public health officials in developing measures to prevent the onset of the chain of events leading to death. The rules for selecting the underlying cause of death are included in ICD as a means of standardizing classification, which contributes toward comparability and uniformity in mortality medical statistics among countries.

Tabulation lists—Beginning with data year 1979, the cause-of-death statistics published by NCHS have been classified according to the Ninth Revision of the International Classification of Diseases (12). In addition to specifying that ICD-9 be used, WHO also recommends how the data should be tabulated to promote international comparability. The recommended system for tabulating data ICD-9 allows countries to construct their mortality and morbidity tabulation lists from the rubrics of the WHO Basic

Tabulation List (BTL) if the rubrics from the WHO mortality and morbidity lists, respectively, are included. This tabulation system for the Ninth Revision is more flexible than that for the Eighth Revision, in which specific lists were recommended for tabulating mortality and morbidity data.

The BTL recommended under the Ninth Revision consists of 57 two-digit rubrics that when added equal the "all causes" total. Identified within each two-digit rubric are up to nine three-digit rubrics that are numbered from zero to eight and whose total does not equal the two-digit rubric. The two-digit BTL rubrics 01 through 46 are used for the tabulation of nonviolent deaths according to ICD categories 001-799. Rubrics relating to chapter 17 (nature-of-injury causes 47 through 56) are not used by NCHS for selecting underlying causes of death; rather, preference is given to rubrics E47 through E56. The 57th two-digit rubric VO is the Supplementary Classification of Factors Influencing Health Status and Contact with Health Services and is not appropriate for the tabulation of mortality data. The WHO Mortality List, a subset of the titles contained in the BTL, consists of 50 rubrics that are the minimum necessary for the national display of mortality data.

Five lists of causes have been developed for tabulation and publication of mortality data in this volume—the Each-Cause List, List of 282 Selected Causes of Death, List of 72 Selected Causes of Death, List of 61 Selected Causes of Infant Death, and List of 34 Selected Causes of Death. These lists were designed to be as comparable as possible with the NCHS lists more recently used under the Eighth Revision. However, complete comparability could not always be achieved.

The Each-Cause List is made up of each three-digit category of the WHO Detailed List to which deaths may be validly assigned and most four-digit subcategories. The list is used for tabulation for the entire United States. The published Each-Cause table does not show the four-digit subcategories provided for Motor vehicle accidents (E810-E825); however, these subcategories that identify persons injured are shown in the accident tables of this report (section 5). Special fifth-digit subcategories also are used in the accident tables to identify place of accident when deaths from nontransport accidents are shown. These are not shown in the Each-Cause table.

The List of 282 Selected Causes of Death is constructed from BTL rubrics 01-46 and E47-E56. Each of the 56 BTL two-digit titles can be obtained either directly or by combining titles in the List. The three-digit level of the BTL is modified more extensively. Where more detail was desired, categories not shown in the three-digit rubrics were added

to the List of 282 Selected Causes of Death. Where less detail was needed, the three-digit rubrics were combined. Moreover, each of the 50 rubrics of the WHO Mortality List can be obtained from the List of 282 Selected Causes of Death.

The List of 72 Selected Causes of Death was constructed by combining titles in the List of 282 Selected Causes of Death. It is used in tables published for the United States and each State, and for standard metropolitan statistical areas.

The List of 61 Selected Causes of Infant Death shows more detailed titles for Congenital anomalies and Certain conditions originating in the perinatal period than any other list except the Each-Cause List.

The List of 34 Selected Causes of Death was created by combining titles in the List of 72 Selected Causes. A table using this list is published for detailed geographic areas.

Beginning with data for 1987, changes were made in these lists to accommodate the introduction in the United States of new category numbers \*042-\*044 for Human immunodeficiency virus infection. The changes are described in the Technical Appendix from Vital Statistics for the United States, 1987.

Effect of list revisions—The International Lists or adaptations of them, used in the United States since 1900, have been revised approximately every 10 years so the disease classifications may be consistent with advances in medical science and with changes in diagnostic practice. Each revision of the International Lists has produced some break in comparability of cause-of-death statistics. Cause-of-death statistics beginning with 1979 are classified by NCHS according to the ICD-9 (12). For a discussion of each of the classifications used with death statistics since 1900, see the Technical Appendix from Vital Statistics of the United States, 1979, Volume II, Mortality, Part A, section 7, pages 9-14.

A dual coding study was undertaken comparing the Ninth and the Eighth Revisions to measure the extent of discontinuity in cause-of-death statistics resulting from introducing the new Revision. A study for the List of 72 Selected Causes of Death and the List of 10 Selected Causes of Infant Death has been published (13). The List of 10 Selected Causes of Infant Death is a basic NCHS tabulation list not used in this volume but used for provisional data in the Monthly Vital Statistics Report, another NCHS publication. Comparability studies also were undertaken between the Eighth and Seventh, Seventh and Sixth, and Sixth and Fifth Revisions. For additional information about these studies, see the 1979 Technical Appendix previously mentioned.

Significant coding changes under the Ninth Revision—Since the implementation of ICD-9 in the United States, effective with mortality data for 1979, several coding changes have been introduced. The more important changes are discussed below. In early 1983, a change was made in the coding of acquired immunodeficiency syndrome (AIDS) and human immunodeficiency virus (HIV) infection, which affected data from 1981 to 1986. Also effective with data year 1981 was a coding change for poliomyelitis. For data year 1982, the definition of child was changed (which affects the classification of deaths to a number of categories, including Child battering and other maltreatment), and guidelines for coding deaths to the category Child battering and other maltreatment (ICD No. E967) were changed also. During the calendar year 1985, detailed instructions for coding motor vehicle accidents involving all-terrain vehicles (ATV's) were implemented to ensure consistency in coding these accidents. Effective with data year 1986, "primary" and "invasive" tumors, unspecified were classified as "malignant;" these neoplasms had previously been classified to Neoplasms of unspecified nature (ICD-9 No. 239).

Beginning with data for 1987, NCHS introduced new category numbers \*042-\*044 for classifying and coding HIV infection, formerly referred to as human T-cell lymphotropic virus-III/lymphadenopathy associated virus (HTLV-III/LAV) infection. The asterisk appearing before the category numbers indicates these codes are not part of ICD-9. Also changed effective with data year 1987 were coding rules for the conditions "dehydration" and "disseminated intravascular coagulopathy." Effective with data year 1988 minor content changes were made to the classification for HIV infection. Detailed discussion of these changes may be found in the Technical Appendix for previous volumes.

Coding in 1989—The rules and instructions used in coding the 1989 mortality medical data remained essentially the same as those used for the 1988 data.

Medical certification—The use of a standard classification list, although essential for State, regional, and international comparison, does not ensure strict comparability of the tabulated figures. A high degree of comparability among areas could be attained only if all records of cause of death were reported with equal accuracy and completeness. The medical certification of cause of death can be made only by a qualified person, usually a physician, a medical examiner, or a coroner. Therefore, the reliability and accuracy of cause-of-death statistics are, to a large extent, governed by the ability of the certifier to make the proper diagnosis and by the care with which he or she records this information on the death certificate.

A number of studies have been undertaken on the quality of medical certification on the death certificate. In general, these have been of relatively small samples and for limited geographic areas. A bibliography prepared by NCHS (14), covering 128 references over 23 years, indicates no definitive conclusions have been reached about the quality of medical certification on the death certificate. No country has a well-defined program for systematically assessing the quality of medical certifications reported on death certificates or for measuring the error effects on the levels and trends of cause-of-death statistics.

One index of the quality of reporting causes of death is the proportion of death certificates coded to the Ninth Revision Chapter XVI, Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780-799). Although deaths for which it is impossible to determine the underlying cause, this proportion indicates the care and consideration given to the certification by the medical certifier. This proportion also may be used as a rough measure of the specificity of the medical diagnoses made by the certifier in various areas. In 1989 a record low of 1.3 percent of all reported deaths in the United States was assigned to this category compared with 1.4 for 1988. However, trends in the percent of deaths assigned to this category vary by age. Although the percent of deaths in this category for all ages combined has generally remained stable between 1980 and 1988, a slight increase in the percent occurred for the age group 5-14 years and a decrease occurred for all the age groups 55 years and over. However, between 1988 and 1989, the percent decreased for almost all age groups.

Automated selection of underlying cause of death—Beginning with data year 1968, NCHS began using a computer system for assigning the underlying cause of death. It has been used every year since. The system is called "Automated Classification of Medical Entities" (ACME).

The ACME system applies the same rules for selecting the underlying cause as would be applied manually by a nosologist; however, under this system, the computer consistently applies the same criteria, thus eliminating intercoder variation in this step of the process.

The ACME computer program requires the coding of all conditions shown on the medical certification. These codes are matched automatically against decision tables that consistently select the underlying cause of death for each record according to the international rules. The decision tables provide the comprehensive relationships among the conditions classified by ICD when applying the rules of selection and modification.

The decision tables were developed by NCHS staff on the basis of their experience in coding underlying causes of death under the earlier manual coding system and as a result of periodic independent validations. These tables are periodically updated to reflect additional new information on the relationship among medical conditions. For data year 1988 these tables were amended to incorporate minor changes to the previously mentioned classification for Human immunodeficiency virus infection (\*042-\*044) that had originally been implemented with data year 1987. Coding procedures for selecting the underlying cause of death by using the ACME computer program, as well as by using the ACME decision tables, are documented in NCHS instruction manuals (15-17).

Cause-of-death ranking—Cause-of-death ranking (except for infants) is based on numbers of deaths assigned to categories in the List of 72 Selected Causes of Death and the category Human immunodeficiency virus infection (HIV infection) (\*042-\*044); cause-of-death ranking for infants is based on the List of 61 Selected Causes of Infant Death and HIV infection. HIV infection was added to the list of rankable causes effective with data year 1987.

The group titles Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions from the List of 72 Selected Causes of Death are not ranked; Certain conditions originating in the perinatal period and Symptoms, signs, and ill-defined conditions from the List of 61 Selected Causes of Infant Death are not ranked. In addition, category titles that begin with the words "Other" or "All other" are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (such as Tuberculosis), its component parts (in this case, Tuberculosis of respiratory system and Other tuberculosis) are not ranked.

### **Maternal deaths**

Maternal deaths are those for which the certifying physician has designated a maternal condition as the underlying cause of death. Maternal conditions are those assigned to Complications of pregnancy, childbirth, and the puerperium (ICD-9 Nos. 630-676). In the Ninth Revision, WHO for the first time defined a maternal death as follows:

A maternal death is defined as the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.

Under the Eighth Revision, maternal deaths were assigned to the category "Complications of pregnancy, childbirth, and the puerperium" (ICDA-8 Nos. 630-678). Although WHO did not define maternal mortality, there was an NCHS classification rule that limited a maternal death to a death within a year after termination of pregnancy from any "maternal cause," that is, any cause within the range of ICDA-8 Nos. 630-678. This rule applied only if a duration of time for the condition was given. If no duration was specified and the underlying cause of death was a maternal condition, then the duration was assumed to be within a year and the death was coded by NCHS as a maternal death. The change from an under-1-year limitation on duration used in the Eighth Revision to an under-42-days limitation used in the Ninth Revision did not have much effect on the comparability of maternal mortality statistics. However, comparability was affected by the following classification change. Under the Ninth Revision, maternal causes have been expanded to include Indirect obstetric causes (ICD-9 Nos. 647-648). These causes include Infective and parasitic conditions as well as other conditions present in the mother classifiable elsewhere but that complicate pregnancy, childbirth, and the puerperium, such as Syphilis, Tuberculosis, Diabetes mellitus, Drug dependence, and Congenital cardiovascular disorders.

Maternal mortality rates are computed on the basis of the number of live births. The maternal mortality rate indicates the likelihood that a pregnant woman will die of maternal causes. The number of live births used in the denominator is an approximation of the population of pregnant women who are at risk of a maternal death.

Race—Beginning with the 1989 data year, NCHS has changed the method of tabulating live birth and fetal death data by race from race of child to race of mother. This has resulted in a discontinuity in maternal mortality rates by race between 1989 and previous years; see section on "Change in race classification for live births and fetal deaths", under Infant deaths.

#### **Infant deaths**

Age—Infant death is defined as a death under 1 year of age. The term excludes fetal deaths. Infant deaths are usually divided into two categories according to age, neonatal and postneonatal. Neonatal deaths are those that occur during the first 27 days of life; postneonatal deaths are those that occur between 28 days and 1 year of age. It has generally been believed that different factors influencing the child's survival predominate in these two periods: Factors associated with prenatal development, heredity, and the birth process were considered dominant in the neonatal period; environmental factors, such as nutrition, hygiene, and accidents, were considered more

important in the postneonatal period. Recently, however, the distinction between these two periods has blurred due in part to advances in neonatology, which have enabled more very small premature infants to survive the neonatal period.

Rates—Infant mortality rates shown in sections 2 and 8 are the most commonly used indices for measuring the risk of dying during the first year of life; they are calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 1,000 or per 100,000 live births. Infant mortality rates use the number of live births in the denominator to approximate the population at risk of dying before the first birthday. This measure is an approximation because some live births will not have been exposed to a full year's risk of dying and some of the infants who die during a year will have been born in the previous year. The error introduced in the infant mortality rate by this inexactness is usually small, especially when the birth rate is relatively constant from year to year (18,19). Other sources of error in the infant mortality rate have been attributed to differences in applying the definitions for infant death and fetal death when registering the event (20,21).

In contrast to infant mortality rates based on live births, infant death rates shown in Section 1 are based on the estimated population under 1 year of age. Infant death rates, which appear in tabulations of age-specific death rates, are calculated by dividing the number of infant deaths in a calendar year by the estimated midyear population of persons under 1 year of age and are presented as rates per 100,000 population in this age group. Patterns and trends in the infant death rate may differ somewhat from those of the more commonly used "infant mortality rate," mainly because of differences in the nature of the denominator and in the time reference period. Whereas the population denominator for the infant death rate is estimated using data on births, infant deaths, and migration for the 12-month period of July through June, the denominator for the infant mortality rate is a count of births occurring during the 12 months of January through December. The difference in the time reference period can result in different trends between the two indices during periods when birth rates are moving up or down markedly.

The infant death rate is also subject to greater imprecision than is the infant mortality rate because of problems of enumerating and estimating the population under 1 year of age (21).

#### **Race**

Change in tabulation of race data for live births and fetal deaths—Beginning with the 1989 data year, NCHS has changed the method of tabulating live birth and fetal death data by race from race of child to race of mother. This results in infant, fetal, perinatal, and maternal mortality rates for 1989 that are not comparable with those published

for previous years, because live births comprise the denominator of these rates. To facilitate continuity and ease of interpretation, key published tables for 1989 and 1990, including all trend tables, will show data computed on the basis of live births and fetal deaths tabulated by both race of mother and race of child. This will make it possible to distinguish the effects of this change from real changes in the data.

As in previous years, race for infant and maternal deaths (the numerator of the rate) is tabulated by the race of the decedent. For fetal and perinatal mortality rates, both the numerator and the denominator of the rates are affected, since the change to race of mother affects both fetal deaths and live births.

As noted in detail in the Technical Appendix to Vital Statistics of the United States, 1989, Vol. I, Natality, data on live births and fetal deaths are being tabulated by the race of the mother. When the race of the mother is unknown, the race of the mother is assigned to the father's race; when information for both parents is missing, the race of the mother is assigned to the specific race of the mother of the preceding record with known race. In previous years, birth and fetal death tabulations were by race of child, as determined statistically by an algorithm based on information reported for the mother and father. Briefly, in cases of mixed parentage where only one parent was white, the child was assigned to the other parent's race. When neither parent was white, the child was assigned the race of the father, except if either parent was Hawaiian, the child was assigned to Hawaiian. If race was not reported for one parent, the child was assigned the race of the parent for whom race was given.

The change in the tabulation of live births and fetal deaths by race reflects three factors over the past two decades: the topical content of the birth certificate has been expanded to include considerable health and demographic information related to the mother, the increasing incidence of interracial parentage, and the growing proportion of births for which the race of the father is not reported.

Quantitatively, the change in the basis for tabulating live births and fetal deaths by race results in more white births and fetal deaths and fewer to the black population and to other races. As a consequence, infant, fetal, perinatal, and maternal mortality rates under the new classification tend to be lower for white infants and higher for infants of other races (Table A). In general, discontinuities are larger for infant and maternal mortality rates, where only the denominator of the rate is affected by the change, than for fetal and perinatal mortality rates, where both the numerator and the denominator are affected. For some minority race groups, the effect of the change is quite large.

The change in the race classification of live births and fetal deaths presents challenges to those analyzing infant, fetal, perinatal, and maternal mortality data, particularly trend data. To facilitate analysis of infant mortality by race, reports will be prepared showing historic data tabulated by race of mother.

Comparison of race data from birth and death certificates—Regardless of whether vital events are tabulated by race of mother or by race of child, there are inconsistencies in reporting race for the same infant between birth and death certificates, based on results of studies in which race on the birth and death certificates for the same infant were compared (22).

These reporting inconsistencies can result in systematic biases in infant mortality rates by specified race, in particular, under-estimates for specified races other than white or black. In the computation of race-specific infant mortality rates published in Vital Statistics of the United States, the race item for the numerator comes from the death certificate, and for the denominator, from the birth certificate. Biases in the rates may arise because of possible inconsistencies in reporting race on these two vital records. Race of the mother and father is reported on the birth certificate by the mother at the time of delivery; whereas race of the deceased infant is reported on the death certificate by the funeral director based on observation or on information supplied by an informant, such as a parent. Previous studies have noted that the race of an infant who died and was of a smaller minority race group to sometimes be reported as white on the death certificate, but as of the minority race on the birth certificate, resulting, in the aggregate, in understatement of infant mortality for smaller race groups (22).

Estimates can be made of the degree of bias in race-specific infant mortality rates by comparing rates for birth cohorts based on the newly-available linked birth and infant death data set (23,24) with period rates based on mortality data published in Vital Statistics of the United States (VSUS) for the same year(s). In this comparison, cohort rates are based entirely on the linked data set while period rates are constructed using a numerator (infant deaths) based on mortality data published in VSUS and a denominator (live births) based on the linked data set.

The comparison of cohort and period rates is somewhat affected by small differences in the events included in the numerators of the two rates. The numerator of the cohort rate is comprised of infant deaths to the cohort of infants born in a calendar year whereas the numerator of the period rate is comprised of infant deaths that occur in the calendar year.

Based on comparing infant mortality rates from the linked data set for the birth cohorts of 1984-85 with period rates constructed for 1984-85, bias in the rates for the two major race groups—white and black—is small (Table B). In contrast, period rates for the smaller race groups are estimated to be lower than cohort rates by 10 to 50 percent. Cohort rates have not been adjusted to reflect the approximately 2 percent of infant death records that were not linked to their corresponding birth records. Because of systematic understatement of infant mortality rates based on period data, one should use data from the national linked files to measure infant mortality for these groups. For the major race groups, period data are a close approximation of the rates based on linked files.

Hispanic origin—Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin (see section "Hispanic origin") and numbers of resident live births by Hispanic origin of mother for the 43 reporting States and the District of Columbia. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. Because the percent of infant deaths of unknown origin for 1989 was 2.6 percent and the percent of live births of unknown origin was 1.1 percent, infant mortality rates by specified Hispanic origin and race for non-Hispanic origin are underestimated. In addition, as discussed above for specified races, period infant mortality rates for specific Hispanic-origin groups tend to be underestimated when compared with rates based on the national linked birth and infant death data set as shown in Table C. Comparisons are also affected by the approximate 2 percent of infant death records that are not linked to their corresponding birth record.

Caution should be exercised when generalizing from the ratios of cohort-to-period rates for 1986 with data for 1989, because the reporting area for Hispanic data has expanded from 18 reporting States and the District of Columbia in 1986 to 43 reporting States and the District of Columbia in 1989. The Hispanic reporting area for 1986 included: Arizona, Arkansas, California, Colorado, District of Columbia, Georgia, Hawaii, Illinois, Indiana, Kansas, Mississippi, Nebraska, New Jersey, New York, North Dakota, Ohio, Texas, Utah and Wyoming.

Small numbers of infant deaths for specific Hispanic-origin groups can result in infant mortality rates subject to relatively large random variation (see section "Random variation in numbers of deaths, death rates, and mortality rates and ratios").

Tabulation list—Causes of death for infants are tabulated according to a list of causes that is different from the list of causes for the population of all ages, except for the Each Cause List. (See section "Cause-of-death classification.")

California—From 1985 to 1988, data on age at death for California, were biased in the categories 1-23 hours and 1 day because of processing errors that affected selected infants who died within 24 hours after birth. Specifically, some infants who died within 1-23 hours of birth were erroneously coded as dying at 1 day after birth.

Beginning with 1985 data, California provided NCHS with computer tapes of precoded mortality data through the Vital Statistics Cooperative Program (VSCP); whereas prior to 1985, data from the State of California were based on information coded by NCHS from copies of original death certificates. The effect of these errors on national data, for the years 1985-88 shown in table 2-3 is negligible. The problem has been identified and corrected for 1989 and subsequent years.

### **Fetal deaths**

In May 1950 the World Health Organization (WHO) recommended that the following definition of fetal death be adopted for international use:

Death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles (25).

The term "fetal death" was defined on an all-inclusive basis to end confusion arising from the use of such terms as stillbirth, spontaneous abortion, and miscarriage.

Shortly thereafter, this definition of fetal death was adopted by the National Center for Health Statistics (NCHS) as the nationally recommended standard. Currently all registration areas except Puerto Rico have definitions similar to the standard definition (26). Puerto Rico has no formal definition.

As another step toward increasing the comparability of data on fetal deaths for different countries, WHO recommended that for statistical purposes fetal deaths be classified as early, intermediate, and late. These groups are defined as follows:

Less than 20 completed weeks of gestation  
 (early fetal deaths)..... Group I  
 20 completed weeks of gestation but less than  
 28 (intermediate fetal deaths)..... Group II  
 28 completed weeks of gestation and over  
 (late fetal deaths)..... Group III  
 Gestation period not classifiable in groups I, II,  
 and III.....Group IV

Note that in table 3-11, group IV consists of fetal deaths with gestation not stated but presumed to be 20 weeks or more.

Until 1939 the nationally recommended procedure for registration of a fetal death required the filing of both a live-birth and a death certificate. In 1939 a separate Standard Certificate of Stillbirth (fetal death) was created to replace the former procedure. This was revised in 1949, 1955, 1956, 1968, 1978, and 1989. The 1989 U.S. Standard Report of Fetal Death is shown in figure 7-B.

The 1977 revision of the Model State Vital Statistics Act and Model State Vital Statistics Regulations (27) recommended spontaneous fetal deaths at a gestation of 20 weeks or more or a weight of 350 grams or more and all induced terminations of pregnancy regardless of gestational age be reported and further be reported on separate forms. These forms are to be considered legally required statistical reports rather than legal documents.

Beginning with 1970 fetal deaths, procedures were implemented that attempted to separate reports of spontaneous fetal deaths from those of induced terminations of pregnancy. These procedures were implemented because the health implications of spontaneous fetal deaths are different from those of induced terminations of pregnancy. These procedures are still used.

Comparability and completeness of data—Registration area requirements for reporting fetal deaths vary. Most of these areas require reporting of fetal death at gestations of 20 weeks or more. Table D shows the minimum period of gestation required by each State to report fetal death. Substantial evidence exists that indicates some fetal deaths for which reporting is required are not reported (28).

Underreporting of fetal deaths is most likely to occur in the earlier part of the required reporting period for each State. Thus, for States requiring reporting of all periods of gestation, fetal deaths occurring at younger gestational ages are less completely reported. The reporting of fetal deaths at 20-23 weeks of gestation may be more complete for those States that report fetal deaths at all periods of gestation than for others.

To maximize the comparability of data by year and by State, most of the tables in section 3 are based on fetal deaths occurring at gestations of 20 weeks or more. These tables also include fetal deaths for which gestation is not stated for those States requiring reporting at 20 weeks or more gestation only. Beginning with 1969, fetal deaths of not stated gestation were excluded for States requiring reporting of all products of conception except for those with a stated birth weight of 500 grams or more. In 1989 this rule was applied to the following States: Georgia, Hawaii, New York (including New York City), Rhode Island, and Virginia. Each year there are some exceptions to this procedure.

Arkansas—Since 1971, Arkansas has been using two reporting forms for fetal deaths: A confidential Spontaneous Abortion form that is not sent to the National Center for Health Statistics (NCHS) and a Fetal Death Certificate that is. During the period 1971 through 1980, it is believed that most spontaneous fetal deaths of less than 20 weeks' gestation were reported on the confidential form and, therefore, were not reported to NCHS. During the period 1981 through 1983, Arkansas specified that fetal deaths of less than 28 weeks' gestation or weighing less than 1,000 grams could be reported on the confidential form; beginning with 1984 data, the State specified that fetal deaths of 20 weeks' gestation or weighing 500 grams be reported on the Fetal Death Certificate. Because of these changes, the comparability of counts of early fetal deaths may be affected. In particular, counts of fetal deaths at 20 to 27 weeks for 1981-83 were not comparable between Arkansas and other reporting areas or with Arkansas data for 1984-89. It is believed that reporting has improved but is still not comparable with data for 1980 and earlier years.

Colorado—While Colorado State law requires reporting fetal deaths of all periods of gestation, beginning in 1989, the State only provides to NCHS data for fetal deaths of 20 weeks gestation or more.

Maine—Maine uses two reporting forms for fetal deaths: A Report of Abortion (Spontaneous and Induced) and a Report of Fetal Death. Most spontaneous fetal deaths at less than 20 weeks' gestation are reported on the Report of Abortion, and, therefore, are excluded from fetal death counts in this volume.

Maryland—From the counts of frequencies by month, it appears that not all fetal deaths occurring in the first quarter of 1989 were reported. This may account in part for the decrease in the reported number of fetal deaths and in fetal mortality rates for Maryland between 1988 and 1989.

Wisconsin—Beginning in 1986, Wisconsin changed its reporting requirements for spontaneous fetal deaths from "20 weeks" to "20 weeks or 350 grams."

Revised Report of Fetal Death for 1989—Beginning with data for 1989, new items were added to the U.S. Standard Report of Fetal Death, including Hispanic origin of the mother and father, medical and other risk factors of pregnancy, obstetric procedures, and method of delivery. In addition, questions on complications of labor and delivery and congenital anomalies of fetus were changed from an open-ended to a checkbox format, to ensure more complete reporting of information. However, because of differences in implementation dates of the new fetal death report between States, and because of inexperience in reporting and processing the new items, reporting of the new items in individual States may not be complete for 1989. The data quality and completeness of many of these items are being evaluated.

Period of gestation—The period of gestation is the number of completed weeks elapsed between the first day of the last normal menstrual period (LMP) and the date of delivery. The first day of 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 LMP. Data on period of gestation are computed from information on "date of delivery" and "date last normal menses began." If "date last normal menses began" is not on the record or if the calculated gestation falls beyond a duration considered biologically plausible, the "Physician's estimate of gestation" is used.

To improve data quality, beginning with data for 1989, NCHS instituted a new computer edit to check for consistency between gestation and birth weight (29). Briefly, if LMP gestation is inconsistent with birth weight, and the physician's estimate is consistent, the physician's estimate is used; if both are inconsistent, LMP gestation is used, and birth weight is assigned to unknown. When the period of gestation is reported in months on the report, it is allocated to gestational intervals in weeks as follows:

- 1 - 3 months to under 16 weeks
- 4 months to 16 - 19 weeks
- 5 months to 20 - 23 weeks
- 6 months to 24 - 27 weeks
- 7 months to 28 - 31 weeks
- 8 months to 32 - 35 weeks
- 9 months to 40 weeks
- 10 months and over to 43 weeks and over

All areas reported LMP in 1989 except Puerto Rico, and all areas reported physician's estimate of gestation except California, the District of Columbia, Louisiana, Maryland, and Oklahoma. Nebraska was also excluded because of the large proportion of unknown.

Birth weight—Most of the 55 registration areas do not specify how weight should be given, that is, in pounds and ounces or in grams. In the tabulation and presentation of birth weight data, the metric system (grams) has been used to facilitate comparison with other data published in the United States and internationally. Birth weight specified in pounds and ounces is assigned the equivalent of the gram intervals, as follows:

Less than 350 grams	=	0 lb	12 oz	or less
350 - 499 grams	=	0 lb	13 oz	- 1 lb 1 oz
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

With the introduction of ICD-9, the birth-weight classification intervals for perinatal mortality statistics were shifted downward by 1 gram, as shown above. Previously, the intervals were, for example, 1,001-1,500; 1,501-2,000; and so forth. Beginning in 1989, NCHS instituted a consistency check between birth weight and gestation; see previous section on gestation.

Race—Beginning with data for 1989, NCHS changed the method of tabulating fetal death, perinatal, and live birth data by race from race of child to race of mother. This has resulted in a discontinuity in fetal mortality rates by race between 1989 and previous years; see section on "Change in race classification for live births and fetal deaths", under Infant deaths.

Hispanic origin of mother—Fetal mortality data for the Hispanic-origin population are based on fetal deaths to mothers of Hispanic origin who were residents of those States and the District of Columbia that included items on the report of fetal death to identify Hispanic or ethnic origin of mother. Data for 1989 were obtained from 44 States; areas not supplying data were the District of Columbia, Louisiana, Maryland, Massachusetts, New Hampshire, Oklahoma, and Rhode Island.

For 1989, fetal and perinatal mortality data in table 3-19 are for a reporting area of 44 States and tables 3-20, 4-6 and 4-7 are for a reporting area of 31 States that had an item on Hispanic or ethnic origin on the death certificate, birth certificate, and report of fetal death, and whose data for all three files were at least 90 percent complete on a

place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The States included are Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Hawaii, Idaho, Illinois, Iowa, Kansas, Kentucky, Minnesota, Mississippi, Missouri, Nebraska, Nevada, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, West Virginia, Wisconsin, and Wyoming.

The 31 reporting States for which fetal and perinatal data by Hispanic origin are shown accounted for about 75 percent of the Hispanic population in 1980, including 92 percent of the Mexican population, 27 percent of the Puerto Rican population, 75 percent of the Cuban population, and 57 percent of the "Other Hispanic" population (10). Accordingly, caution should be exercised in generalizing mortality patterns from the reporting area to the Hispanic-origin population (especially Puerto Ricans) of the entire United States. (See also section on Hispanic origin under Classification of Data).

Total-birth order—Total-birth order refers to the sum of the live births and other terminations (including both spontaneous fetal deaths and induced terminations of pregnancy) that a woman has had, including the fetal death being recorded. For example, if a woman has previously given birth to two live babies and to one born dead, the next fetal death to occur is counted as number four in total-birth order.

Beginning with implementation of the 1989 revision of the U. S. Standard Report of Fetal Death, total-birth order is calculated from three items on pregnancy history: Number of previous live births, now living; number of previous live births, now dead; and number of other terminations (spontaneous and induced at anytime after conception). For prior years, total-birth order was calculated from four items, see the Technical Appendix From Vital Statistics of the United States 1988, Volume II, Mortality, Part A.

Although all registration areas use the two standard items pertaining to number of previous live births, registration areas phrase the item on pertaining to other terminations of pregnancy differently. Total-birth order for all areas is calculated from the sum of available information. Thus, information on total-birth order may not be completely comparable among the registration areas. In addition, there may be substantial underreporting of other terminations of pregnancy on the fetal death report.

Marital status—Table 3-3 shows fetal deaths and fetal-death rates by mother's marital status. The following states were excluded from this table because their report of fetal death did not include an item on marital status: California,

Connecticut, Maryland, Michigan, Nevada, New York (including New York City), Ohio, and Texas. Because live births comprise the denominator of the rate, marital status must also be reported for mothers of live births. Marital status of the mother of the live birth is inferred for States that did not report it on the birth certificate.

Beginning with data for 1989, fetal deaths with marital status not stated are shown as not stated in frequencies, but are proportionally distributed for rate computations into either the married or unmarried categories according to the percent of fetal deaths with stated marital status that fall into each category. Prior to 1989, fetal deaths with not-stated marital status were assigned to the married category. Because of this change, fetal death frequencies and rates by marital status for 1989 are not strictly comparable with those for previous years.

No quantitative data exist on the characteristics of unmarried women who do not report, misreport their marital status or fail to register fetal deaths. Underreporting may be greater for the unmarried group than for the married group.

Age of mother—Beginning with data for 1989, the U.S. Standard Report of Fetal Death asks for the mother's date of birth. Age of mother is computed from the mother's date of birth and the date of the termination of the pregnancy. For those States whose certificates do not contain an item on the mother's date of birth, reported age of the mother (in years) is used. The age of the mother is edited in NCHS for upper and lower limits. When mothers are reported to be under 10 years of age or 50 years of age and over, the age of the mother is considered not stated and is assigned as follows: Age on all fetal-death records with age of mother not stated is assigned according to the age appearing on the record previously processed for a mother of identical race and having the same total-birth order (total of live births and other terminations).

Sex of fetus—Beginning with data for 1989, for all fetal deaths of 20 or more weeks gestation, not-stated sex of fetus is assigned the sex of the fetus from the previous record. Prior to 1989, no such assignment was made.

Plurality—All registration areas except Louisiana report the plurality of the fetus. Although Louisiana has not reported this item for many years, prior to 1989, data for Louisiana was erroneously converted to a plurality of 1 (single birth), and included in United States totals. Beginning 1989, Louisiana is excluded from tables reporting plurality of the fetus. For reporting areas, not-stated plurality of the fetus is assigned to single births.

## **Perinatal mortality**

Perinatal definitions—Beginning with data year 1979, perinatal mortality data for the United States and each State have been published in section 4. WHO recommends, in ICD-9 "national perinatal statistics should include all fetuses and infants delivered weighing at least 500 grams (or when birth weight is unavailable, the corresponding gestational age (22 weeks) or body length (25 cm crown-heel)), whether alive or dead...." It further recommends that "countries should present, solely for international comparisons, 'standard perinatal statistics' in which both the numerator and denominator of all rates are restricted to fetuses and infants weighing 1,000 grams or more (or, where birth weight is unavailable, the corresponding gestational age (28 weeks) or body length (35 cm crown-heel))." Because birth weight and gestational age are not reported on the death certificate in the United States, NCHS was unable to adopt these definitions. Three definitions of perinatal mortality are currently used by NCHS: Perinatal Definition I, generally used for international comparisons, which includes fetal deaths of 28 weeks' gestation or more and infant deaths of less than 7 days; Perinatal Definition II, which includes fetal deaths of 20 weeks' gestation or more and infant deaths of less than 28 days; and Perinatal Definition III, which includes fetal deaths of 20 weeks' gestation or more and infant deaths of less than 7 days.

Variations in fetal death reporting requirements and practices have implications for comparing perinatal rates among States. Because reporting is generally sporadic near the lower limit of the reporting requirement, States that require reporting of all products of pregnancy regardless of gestation are likely to have more complete reporting of fetal deaths at 20 weeks or more than are other States. The larger number of fetal deaths reported for these "all periods" States may result in higher perinatal mortality rates than those rates reported for States whose reporting is less complete. Accordingly, reporting completeness may account, in part, for differences among the State perinatal rates, particularly differences for Definitions II and III, which use data for fetal deaths at 20-27 weeks.

Not stated—Fetal deaths with gestational age not stated are presumed to be of 20 weeks' gestation or more if the State requires reporting of all fetal deaths at a gestational age of 20 weeks or more or the fetus weighed 500 grams or more in those States requiring reporting of all fetal deaths regardless of gestational age. For Definition I, fetal deaths at a gestation not stated but presumed to have been of 20 weeks or more are allocated to the category 28 weeks or more, according to the proportion of fetal deaths with stated gestational age that falls into that category. For Definitions II and III, fetal deaths at a presumed gestation of 20 weeks or more are included with those at a stated gestation of 20 weeks or more.

The allocation of not-stated gestational age for fetal deaths is made individually for each State, for metropolitan and nonmetropolitan areas, and separately for the United States as a whole. Accordingly, the sum of perinatal deaths for the areas according to Definition I may not equal the total number of perinatal deaths for the United States.

Race—Beginning with the 1989 data year, NCHS has changed the method of tabulating fetal death and live birth data by race from race of child to race of mother. This has resulted in a discontinuity in perinatal mortality rates by race between 1989 and previous years; see section on "Change in race classification for live births and fetal deaths" under Infant deaths.

Hispanic origin—See section on "Hispanic origin of mother" under Fetal deaths.

## QUALITY OF DATA

### Completeness of registration

All States have adopted laws that require the registration of births and deaths, and the reporting of fetal deaths. It is believed that more than 99 percent of the births and deaths occurring in this country are registered.

Reporting requirements for fetal deaths vary somewhat from State to State (see "Comparability and completeness of data"). Overall reporting is not as complete for fetal deaths as for births and deaths, but it is believed to be relatively complete for fetal deaths at a gestation of 28 weeks or more. National statistical data on fetal deaths include only fetal deaths occurring at a stated or presumed gestation of 20 weeks or more.

### Massachusetts data

The 1964 statistics for deaths exclude approximately 6,000 events registered in Massachusetts, primarily to residents of that State. Microfilm copies of these records were not received by NCHS. Figures for the United States and the New England Division are also somewhat affected.

### Alabama data

The 1988 statistics for deaths show no deaths assigned to the City of Prattville in Autauga County. The death records that should have been assigned to this area were instead assigned to the Balance of County due to a processing error.

## **Quality control procedures**

Demographic items on the death certificate—As previously indicated, for 1989 the mortality data for these items were obtained from two sources: Photocopies of the original certificates furnished by the Virgin Islands and Guam and records on data tape furnished by the 50 States, the District of Columbia, New York City, and Puerto Rico. For the Virgin Islands and Guam, which sent only copies of the original certificates, the demographic items were coded for 100 percent of the death certificates. The demographic coding for 100 percent of the certificates was independently verified.

As part of the quality control procedures for mortality data, each registration area goes through a calibration period, during which it must achieve the specified error tolerance level of 2 percent per item for 3 consecutive months, based on independent verification by NCHS of a 50-percent sample of that area's records. Once the area has achieved the required error tolerance level, a sample of 70-80 records per month is used to monitor quality of coding. All areas providing data on computer tapes prior to 1989 have achieved the specified error tolerance; accordingly, the demographic items on about 70-80 records per area per month were independently verified by NCHS. The estimated average error rate for all demographic items in 1989 was 0.25 percent.

These verification procedures involve controlling for two types of error (coding and entering into the data record tape) at the same time, and the error rates are a combined measure of both types. It may be assumed that the entering errors are randomly distributed across all items on the record, but this assumption cannot be made as readily for coding errors. Although systematic errors in coding infrequent events may escape detection during sample verification, it is probable that some of these errors were detected during the initial period when 50 percent of the file was being verified, thus providing an opportunity to retrain the coders.

Medical items on the death certificate—As is true for demographic data, mortality medical data are also subject to quality control procedures to control for errors of both coding and data entry. Each of the 30 registration areas that in 1989 furnished NCHS with coded medical information according to NCHS specifications first had to qualify for sample verification. During an initial calibration period, the area had to demonstrate that its staff could achieve a specified error tolerance level of less than 5 percent for coding all medical items. After the area had achieved the required error tolerance level, a sample of 70-80 records per month was used to monitor quality of medical coding. For the 30 reporting States, the average coding error rate in 1989 was estimated at just over 4 percent.

For the remaining 20 States, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, and Guam, NCHS coded the medical items for 100 percent of the death records. A 1-percent sample of the records was independently coded for quality control purposes. The estimated average error rate for these areas was about 3 percent.

The ACME system for selecting the underlying cause of death through computer application contributes to the quality control of medical items on the death certificate. (See section "Automated selection of underlying cause of death.")

Demographic items on the report of fetal death—For 1989, all data on fetal deaths, except for New York State (excluding New York City), were coded under contract by the U.S. Bureau of the Census. Coding and entering of information on data tapes were verified on a 100-percent basis because of the relatively small number of records involved.

Other control procedures—After coding and entering on data tape are completed, record counts are balanced against control totals for each shipment of records from a registration area. Editing procedures ensure that records with inconsistent or impossible codes are modified. Inconsistent codes are those, for example, indicating a contradiction between cause of death and age or sex of the decedent. Records so identified during the computer editing process are either corrected by reference to the source record or adjusted by arbitrary code assignment (30). Further, conditions specified on a list of infrequent or rare causes of death are confirmed by the certifier or a State Health Officer. All subsequent operations in tabulating and in preparing tables are verified during the computer processing or by statistical clerks.

#### **Estimates of errors arising from 50-percent sample for 1972**

Death statistics for 1972 in this report (excluding fetal-death statistics) are based on a 50-percent sample of all deaths occurring in the 50 States and the District of Columbia. A description of the sample design and a table of the percent errors of the estimated numbers of deaths by size of estimate and total deaths in the area are shown in the Technical Appendix From Vital Statistics of the United States, 1972, Volume II, Mortality, Part A.

### **COMPUTATION OF RATES AND OTHER MEASURES**

#### **Population bases**

The population bases from which death rates shown in this report are computed are prepared by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, 1970, and 1980 are based on the population enumerated as of April 1 in the censuses for those years. Rates for all other years use the estimated

midyear (July 1) population. Death rates for the United States, individual States, and SMSA's 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 populations of the birth- and death-registration States for 1900-32 and of the United States for 1900-89 are shown in table 7-1. In addition, the population including Armed Forces abroad is shown for the United States. Table E lists the sources for these populations.

Population estimates for 1989—The population of the United States estimated by age, race, and sex for 1989 is shown in table 7-2, and the population for each State by broad age groups follows in table 7-3. Population estimates for 1984-89 incorporate new estimation procedures for net migration and net undocumented immigration. The 1989 estimates are comparable with those for 1984-88 but are not strictly comparable with the postcensal estimates for 1981-83 shown in tables 7-2 and 7-3 of Vital Statistics of the United States, Volume II, for those years. Although the death rates and estimates of life expectancy for 1984-89 are not strictly comparable with those for previous years, the trends for the total population and most age-race-sex groups are not substantially affected. For additional details, see the Technical Appendix From Vital Statistics of the United States, 1984, Volume II, and the report of the U.S. Bureau of the Census (31). Population data by race are consistent with the modified (see below) 1980 population by race.

Population for 1980—The population of the United States by age, race, and sex; and the population for each State by age are shown in tables 7-2 and 7-3, respectively, of Vital Statistics of the United States, 1980, Volume II. The figures by race have been modified as described below.

Changes in reporting practices affected the racial counts of the 1980 census, particularly those of the Hispanic population. Changes in coding and classifying practices also impacted the racial counts in the 1980 census. One particular change created a major inconsistency between the 1980 census data and historical data series, including censuses and vital statistics. About 40 percent of the Hispanic population counted in 1980, more than 5.8 million persons, did not mark one of the specified races listed on the census questionnaire but instead marked the "Other" category.

In the 1980 census, coding procedures were modified for persons who marked "Other" race and wrote in a national origin designation of a Latin American country or a specific Hispanic-origin group in response to the racial question. These persons remained in the "Other" racial category in 1980 census data; in previous censuses and in vital statistics, such responses had almost always been coded into the "White" category.

To maintain comparability, the "Other" racial category in the 1980 census was reallocated to be consistent with previous procedures. Persons who marked the "Other" racial category and reported any Spanish origin on the Spanish origin question (5,840,648 persons) were distributed to white and black races in proportion to the distribution of persons of Hispanic origin who actually reported their race as "White" or "Black." This was done for each age-sex group.

As a result of this procedure, 5,705,155 persons (98 percent) were added to the white population and 135,493 persons (2 percent) to the black population. Persons who marked the "Other" racial category and reported that they were not of Spanish origin (916,338 persons) were distributed as follows: 20 percent in each age-sex group were added to the "Asian and Pacific Islander" category (183,268 persons), and 80 percent were added to the "White" category (733,070 persons). The count of American Indians, Eskimos, and Aleuts was not affected by these procedures. Unpublished tabulations of these modified census counts were obtained from the U.S. Bureau of the Census and used to compute the rates for this volume.

Population estimates for 1971-79—Death rates in this volume for 1971-79 used revised population estimates that are consistent with the 1980 census levels. The 1980 census enumerated approximately 5.5 million more persons than had previously been estimated for April 1, 1980 (32). These revised estimates for the United States by age, race, and sex are published by the U.S. Bureau of the Census in Current Population Reports, Series P-25, Number 917. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census. For Puerto Rico, the Virgin Islands, and Guam, revised estimates are published in Current Population Reports, Series P-25, Number 919.

Population estimates for 1961-69—Death rates in this volume for 1961-69 are based on revised estimates of the population and thus may differ slightly from rates published before 1976. The rates shown in tables 1-1 and 1-2, the life table values in table 6-5, and the population estimates in table 7-1 for each year in the period 1961-69 have been revised to reflect modified population bases, as published in the U.S. Bureau of the Census, Current Population Reports, Series P-25, Number 519. The data shown in table 1-10 for 1961-69 have not been revised.

Rates and ratios based on live births—Infant and maternal mortality rates, and fetal death and perinatal mortality ratios, are computed on the basis of the number of live births. Fetal death and perinatal mortality rates are computed on the basis of the number of live births and fetal deaths. Counts of live births are published annually in Vital Statistics of the United States, Volume I, Natality.

New Jersey—As previously indicated, data by race are not available for New Jersey for 1962 and 1963. Therefore, for 1962 and 1963 the, NCHS estimated a population by age, race, and sex that excluded New Jersey for rates shown by race. The methodology used to estimate the revised population excluding New Jersey is discussed in the Technical Appendixes of the 1962 and 1963 volumes.

### **Net census undercount**

Just as the underenumeration of deaths and the misreporting of demographic characteristics on the death certificate can introduce error into the annual rates, so can enumeration errors in the latest decennial census. This is because annual population estimates for the postcensal interval, which are used in the denominator for calculating death rates, are computed using the decennial census count as a base (33). Net census undercount is the result of miscounting and misreporting of demographic characteristics such as age. Age-specific death rates are affected by both the net census undercount and the misreporting of age on the death certificate (34). To the extent that the net undercount is substantial and that it varies among subgroups and geographic areas, it may have important consequences for vital statistics measures.

Although death rates based on a population adjusted for net census undercount may be more accurate than rates based on an unadjusted population, rates in this volume are not adjusted; rather, they are computed using population estimates that preserve the age pattern of the net census undercount across the postcensal interval. Thus, it is important to consider the possible impact of net census undercount on death rates.

The U.S. Bureau of the Census has conducted extensive research on the completeness of coverage of the U.S. population (including underenumeration and misstatement of age, race, and sex) in the last four decennial censuses-- 1950, 1960, 1970, and 1980. From this work have come estimates of the national population that was not counted by age, race, and sex (35,36). The reports for 1980 include estimates of net census undercount using alternative methodological assumptions for age, race, and sex subgroups of the national population (37). These studies indicate that, although coverage was improved over previous censuses, there was differential coverage in the 1980 census among the population subgroups; that is, some age, race, and sex groups were more completely counted than others.

Net census undercounts can affect levels of the observed vital rates, differences among groups, and levels and group differences shown by summary measures such as age-adjusted death rates and life expectancy.

Levels and differentials—If adjustments were made for net census undercount, the size of denominators of the death rates generally would increase and the rates, therefore, would decrease. The adjusted rates for 1980 can be computed by multiplying the reported rates by ratios of the census-level resident population to the resident population adjusted for the estimated net census undercount (table 7-4). A ratio of less than 1.0 indicates a net census undercount and, when applied, results in a corresponding decrease in the death rate. A ratio greater than 1.0—indicating a net census overcount—multiplied by the reported rate results in an increase in the death rate.

Coverage ratios for all ages show that, in general, females were more completely enumerated than males and the white population more completely than the population of all other races in the 1980 Census of Population. The black population was undercounted relative to the total population of all other races.

For the total population, underenumeration varied by age group, with the greatest differences found for persons aged 80-84 and 85 years and over. All other age groups were overcounted or undercounted by less than 3 percent.

Among the age-sex-race groups, coverage was lowest for black males aged 40-44 and 45-49 years. Underenumeration for these groups was 19 percent. In contrast, white females in these age groups were essentially completely enumerated. For black females and white males in these same age groups, the undercount ranged from 3 to 6 percent. For the under-1-year age group, the white population was overenumerated by 2 percent, whereas infants of other races were underenumerated by 9 percent.

If vital statistics measures were calculated with adjustments for net census undercounts for each population subgroup, the resulting rates would be differentially reduced from their original levels; that is, rates for those groups with the greatest estimated undercounts would show the greatest relative reductions due to these adjustments. Similar effects would be evident in the opposite direction for groups with overcounts. As a consequence, the ratio of mortality between the rates for males and females, and between the rates for the white population and the population of other races, or the black population, usually would be reduced.

Similarly, the differences between the death rates among subgroups of the population by cause of death would be affected by adjustments for net census undercounts. For example, for the age group 35-39 years in 1980, the ratio of the death rate for Homicide and legal intervention for black males to that for white males is 7.3, whereas the ratio of the death rates adjusted for net census undercount is 6.2.

For Ischemic heart disease for males aged 40-44 years, the ratio of the death rate for the population of all other races to that for the white population is 1.2 using the unadjusted rates, but it is 1.1 when adjusted for estimated underenumeration.

Summary measures—The effect of net census undercount on age-adjusted death rates depends on the underenumeration of each age group and on the distribution of deaths by age. Thus, the age-adjusted death rate in 1980 for All causes would decrease from 585.8 to 579.3 per 100,000 population if the age-specific death rates were corrected for net census undercount.

For Diseases of the heart, the age-adjusted death rate for white males would decrease from 277.5 to 273.0 per 100,000 population, a decline of 1.3 percent. For black males the change, from an unadjusted rate of 327.3 to an adjusted rate of 308.3, would amount to 5.8 percent.

If death rates by age were adjusted, then the corresponding life expectancy at birth computed from these rates would change. The importance of adjustments varies by age; that is, when calculating life expectancy, the impact of an undercount or overcount is greatest at the younger ages. In general, the effect of correcting the death rates is to increase the estimate of life expectancy at birth. Differential underenumeration among race-sex groups would lead to greater changes in life expectancy for some groups than for others. For white females who were completely enumerated in 1980, revised estimates of life expectancy would remain roughly constant; those for black males would show the greatest increase.

### **Age-adjusted death rates**

Age-adjusted death rates shown in this volume are computed using the distribution in 10-year age intervals of the enumerated population of the United States in 1940 as the standard population. Each figure represents the rate that would have existed had the age-specific rates of the particular year prevailed in a population whose age distribution was the same as that of the United States in 1940. The rates for the total population and for each race-sex group were adjusted using the same standard population. It is important not to compare age-adjusted death rates with crude rates. The standard 1940 population, on the basis of one million total population, is as follows:

<u>Age</u>	<u>Number</u>
All ages.....	1,000,000
Under 1 year.....	15,343
1-4 years.....	64,718
5-14 years.....	170,355
15-24 years.....	181,677
25-34 years.....	162,066
35-44 years.....	139,237
45-54 years.....	117,811
55-64 years.....	80,294
65-74 years.....	48,426
75-84 years.....	17,303
85 years and over.....	2,770

### **Life Tables**

U.S. abridged life table are constructed by reference to a standard table (38). Life tables for the decennial period 1979-81 are used as the standard life tables in constructing the 1980-89 abridged life tables. With the availability of the 1979-81 standard life tables, revised life table values were computed for 1980-82; these appeared for the first time in Vital Statistics of the United States, 1983.

Life tables for the decennial period 1969-71 are used as the standard life tables in constructing the 1970-79 abridged life tables. Life table values for 1970-73 were first revised in Vital Statistics of the United States, 1977; before 1977, life table values for 1970-73 were constructed using the 1959-61 decennial life tables. In addition, life table values for 1951-59, 1961-69, and 1971-79 appearing in this volume are based on revised intercensal estimates of the populations for those years. As such, these life table values may differ from life table values for those years published in previous volumes.

The change in the population estimation methodology (see above section "Population bases") results in life expectancies at certain 5-year age intervals for 1984-89 that are lower than those that would have resulted had they been based on the same methodology used to compute 1983 life expectancies. For additional details, see Technical Appendix for Vital Statistics of the United States, 1984, Volume II.

There has been an increasing interest in data on the average length of life ( ${}^{\circ}e_0$ ) for single calendar years before the initiation of the annual abridged life table series for selected race-sex groups in 1945. The figures in table 6-5 for the race and sex groups for the following years were estimated to meet these needs (39).

<u>Years</u>	<u>Race and sex groups</u>
1900-45.....	Total
1900-47.....	Male
1900-47.....	Female
1900-50.....	White
1900-44.....	White, male
1900-44.....	White, female
1900-50.....	All other
1900-44.....	All other, male
1900-44.....	All other, female

The geographic areas covered in life tables before 1929-31 were limited to the death-registration areas. Life tables for 1900- 1902 and 1909-11 were constructed using mortality data from the 1900 death-registration States—10 States and the District of Columbia—and for 1919-21 from the 1920 death-registration States- 34 States and the District of Columbia. The tables for 1929-31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959-61 were derived from data that include both Alaska and Hawaii for each year (table 6-4). Data for each year shown in table 6-5 include Alaska beginning in 1959 and Hawaii beginning in 1960. It is believed that the inclusion of these two States does not materially affect life table values.

**Random variation in numbers of deaths, death rates, and mortality rates and ratios**

Deaths and population-based rates—Except for 1972, the numbers of deaths reported for a community represent complete counts of such events. 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 time period 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 (40). 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 error and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small.

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 conditions described by the figures. This is particularly true for infant mortality rates, cause-specific death rates, and death rates for counties. Events of a rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate a confidence interval, as follows.

If  $N$  is the number of registered deaths in the population and  $R$  is the corresponding rate, the chance is 19 in 20 that

1.  $N-2\sqrt{N}$  and  $N+2\sqrt{N}$   
covers the "true" rate.

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

covers the "true" rate.

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 at the 0.05 level of significance, if it exceeds

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

For example, if the observed death rate for a community were 10.0 per 1,000 population and if this rate were based on 20 recorded deaths, then the chance is 19 in 20 that the "true" death rate for that community lies between 5.5 and 14.5 per 1,000 population. If the death rate for this community of 10.0 per 1,000 population were being compared with a rate of 15.0 per 1,000 population for a second community, which is based on 25 recorded deaths, then the difference between the rates for the two communities is 5.0. This difference is less than twice the standard error of the difference

$$2\sqrt{\frac{(10.0)^2}{20} + \frac{(15.0)^2}{25}}$$

of the two rates, which is computed to be 7.5. From this, it is concluded that the difference between the rates for the two communities is not statistically significant at the 0.05 level of significance.

Rates, proportions, and ratios—Beginning in 1989 an asterisk is shown in place of a rate based on fewer than 20 deaths. These rates have a relative standard error of 23 percent or more and are, therefore, considered highly variable. For age-adjusted death rates, this criterion is applied to the sum of the age-specific deaths.

**SYMBOLS USED IN TABLES**

Data not available----- ---  
 Category not applicable----- ...  
 Quantity zero----- -  
 Quantity more than zero but less than 0.05----- 0.0  
 Figure does not meet standard of reliability or  
 precision (estimate is based on fewer than 20 events in  
 numerator or denominator)----- \*

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Table A. Ratio of infant, neonatal, postneonatal, maternal, and perinatal rates, with race for live births tabulated according to race of mother to those with race for live births tabulated according to race of child: United States, 1989

Race	Infant deaths	Neonatal deaths	Postneonatal deaths	Maternal deaths	Fetal deaths	Perinatal definition		
						I	II	III
All races	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
White	0.98	0.98	0.98	0.98	1.00	0.99	0.99	0.99
Black	1.05	1.05	1.05	1.05	1.02	1.04	1.04	1.04
American Indian	1.25	1.25	1.25	*	1.07	1.17	1.14	1.13
Chinese	1.07	1.07	1.07	*	0.99	1.03	1.03	1.02
Japanese	1.22	1.22	*	*	0.94	1.06	1.05	1.05
Hawaiian	1.45	1.45	1.45	*	1.15	1.31	1.28	1.26
Filipino	1.06	1.06	1.06	*	1.03	1.04	1.04	1.04
Other Asian	1.09	1.09	1.09	*	1.01	1.04	1.04	1.04
Other nonwhite	*	*	*	*	1.03	1.21	1.21	1.21

Table B. Infant mortality rates by race of mother for the period 1984-85 and for birth cohorts, 1984-85;  
and ratio of birth cohort to period rates: United States  
[Rates per 1,000 live births in specified groups]

Race	Period rate 1984-85	Birth cohort rate 1984-85	Ratio cohort/ period rates
All races	10.7	10.4	0.97
White	9.3	8.9	0.96
Black	19.1	18.4	0.96
American Indian	11.7	13.2	1.13
Chinese	5.9	6.5	1.10
Japanese	5.3	6.2	1.17
Filipino	5.4	8.1	1.50
Other Asian	7.8	9.1	1.17
Other nonwhite	7.7	9.8	1.27

NOTE: Births for race not stated are not distributed.

Table C. Infant mortality rates by specified Hispanic origin of mother for the period 1986 and birth cohort 1986; and ratio of birth cohort to period rates: Total of 18 reporting States and the District of Columbia, 1986

[Rates per 1,000 live births in specified group. Figures for origin not stated included in "All origins" but not distributed among origin groups]

Origin	Period rate 1986	Birth cohort rate 1986	Ratio cohort/ period rates
All Origins	10.2	9.9	0.97
Hispanic total	8.0	8.4	1.05
Mexican	7.7	7.9	1.03
Puerto Rican	8.6	11.8	1.37
Cuban	*	8.2	*
Other Hispanic <sup>1</sup>	9.1	8.4	0.9
Non-Hispanic total <sup>2</sup>	10.0	10.1	1.01
White	8.6	8.3	0.97
Black	16.9	17.8	1.05

<sup>1</sup>Includes Central and South American, and other and unknown Hispanic.

<sup>2</sup>Includes races other than white and black.

Table D. Period of gestation at which fetal-death reporting is required: Each reporting area, 1989

Area	All period of gestation	16 weeks	20 weeks	20 weeks or 350 grams	20 weeks or 400 grams	20 weeks or 500 grams	5 months	350 grams	500 grams
Alabama			X						
Alaska			X						
Arizona			X <sup>1</sup>						
Arkansas	X <sup>2</sup>								
California			X						
Colorado	X <sup>2</sup>								
Connecticut			X						
Delaware			X						
District of Columbia						X			
Florida			X						
Georgia	X								
Hawaii	X								
Idaho				X					
Illinois			X						
Indiana			X						
Iowa			X						
Kansas								X	
Kentucky				X					
Louisiana				X					
Maine	X <sup>2</sup>								
Maryland			X <sup>3</sup>						
Massachusetts				X					
Michigan					X				
Minnesota			X						
Mississippi				X					
Missouri				X					
Montana			X						
Nebraska			X						
Nevada			X						
New Hampshire				X					
New Jersey			X						
New Mexico									X
New York									
New York excluding NYC	X								
New York City	X								
North Carolina			X						
North Dakota			X						
Ohio			X						
Oklahoma			X						
Oregon			X <sup>4</sup>						
Pennsylvania		X							
Rhode Island	X								
South Carolina				X					
South Dakota									X
Tennessee									X <sup>5</sup>
Texas			X						
Utah			X						
Vermont			X <sup>6</sup>						
Virginia	X								
Washington			X						
West Virginia			X						
Wisconsin				X					
Wyoming			X						
Puerto Rico							X		
Virgin Islands	X								
Guam			X						

1. If gestational age is unknown, weight of 350 grams or more.  
2. Although state law requires the reporting of fetal deaths of all periods of gestation, only data for fetal deaths of 20 weeks or more gestation are provided to NCHS.  
3. If gestational age is unknown, weight of 500 grams or more.  
4. If gestational age is unknown, weight of 400 grams or more, or crown-heel of 28 centimeters or more.  
5. If weight is unknown, 22 completed weeks' gestation or more.  
6. If gestational age is unknown, weight of 400 or more grams, 15 or more ounces.

Table E. Source for resident population and population including Armed Forces abroad:  
 Birth- and death-registration States, 1900-1932, and United States, 1900-1989

Year	Source
1989.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1057, 1990.
1988.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1045, 1990.
1986-87.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1022, Mar. 1988.
1985.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1000, Feb. 1987.
1984.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 985, Apr. 1986.
1983.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 965, Mar. 1985.
1982.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 949, May. 1984.
1981.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 929, May. 1983.
1980.....	U.S. Bureau of the Census, <u>U.S. Census of Population:1980, Number of Inhabitants,PC80-1A1, United States Summary, 1983.</u>
1971-79.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 917, July 1982.
1970.....	U.S. Bureau of Census, <u>U.S. Census of Population:1970, Number of Inhabitants,Final Report PC(1)-A1, United States Summary, 1971.</u>
1961-69.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 519, April 1974.
1960.....	U.S. Bureau of the Census, <u>U.S. Census of Population: 1960, Number of Inhabitants, PC (1)-A1, United States Summary, 1964.</u>
1951-59.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No.310, June 30, 1965.
1940-50.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 499, May 1973.
1930-39.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 499, May 1973, and National Office of Vital Statistics, <u>Vital Statistics Rates in the United States,1900-1940, 1947.</u>
1920-29.....	National Office of Vital Statistics, <u>Vital Statistics Rates in the United States,1900-1940, 1947.</u>
1917-19.....	Same as for 1930-39
1900-1916...	Same as for 1920-29

