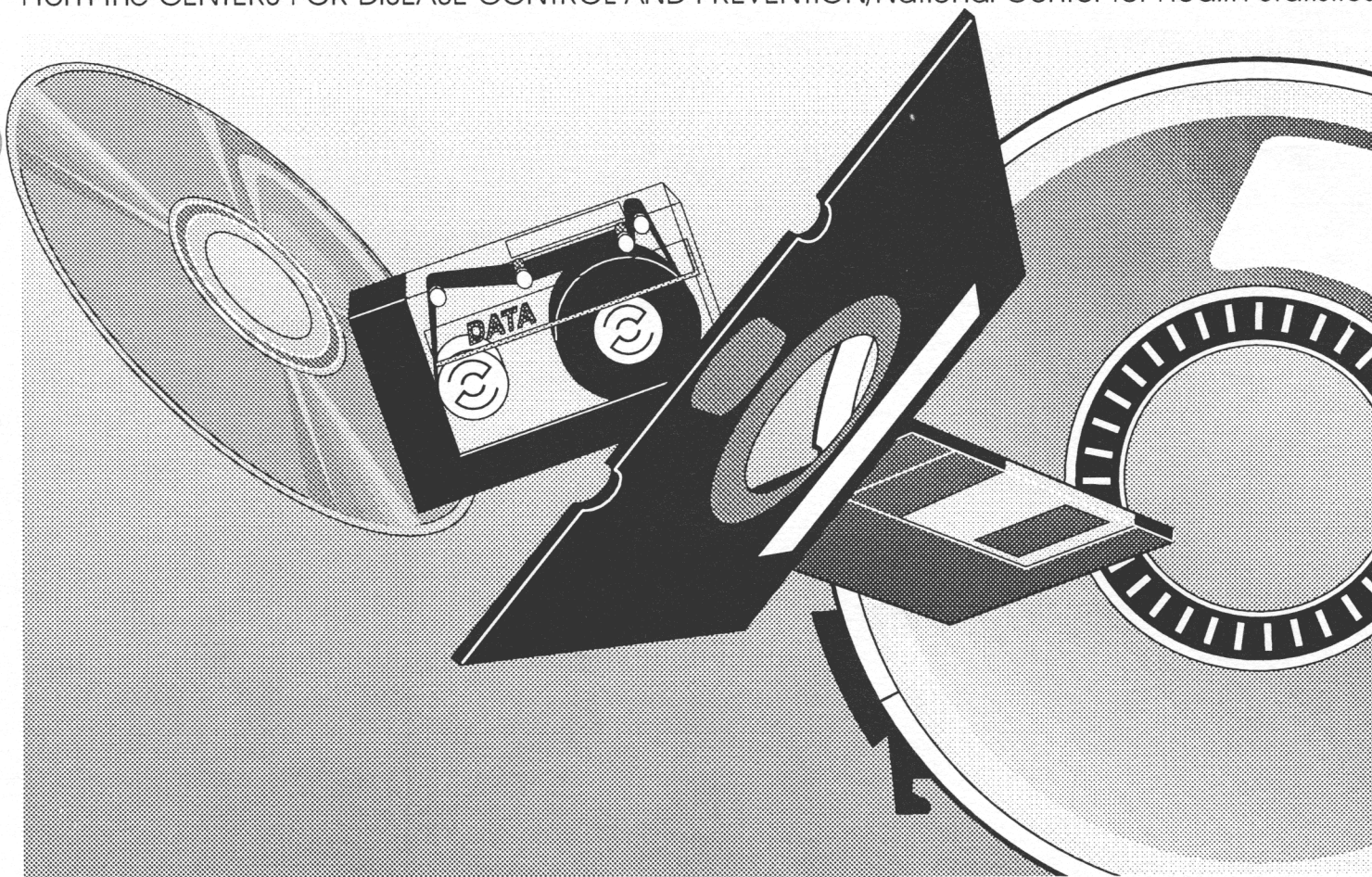


Public Use Data File Documentation

1996 Detail Natality

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

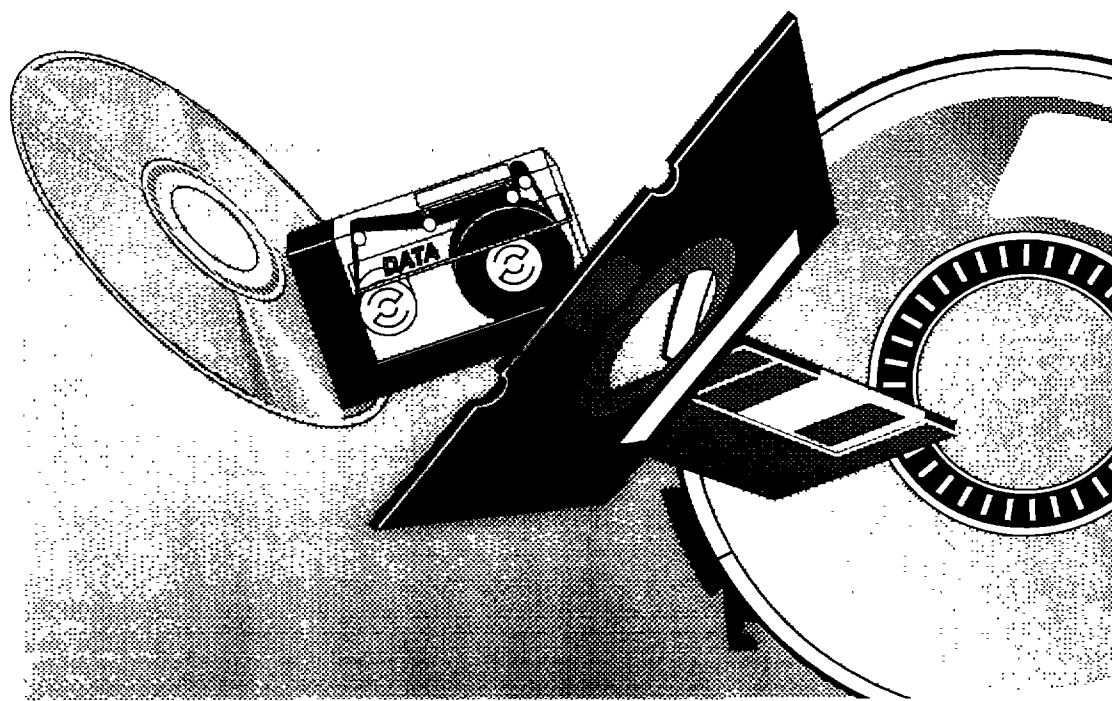


U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

CDC
CENTERS FOR DISEASE CONTROL
AND PREVENTION

Public Use Data File Documentation

1996 Detail Natality



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

Hyattsville, Maryland
July 1998

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

SPECIAL NOTICE

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

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

Public Use Data Tape Documentation - Natality Detail 1996 Data

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

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

Questions on the documentation or general questions concerning the natality file should be directed to the of the Systems, Programming, and Statistical Resources Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, MD 20782 (301-436-8900).

Questions concerning the Technical Appendix or substantive questions concerning the natality data should be directed to the Reproductive Statistics Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, MD 20782 (301-436-8954).

Documentation of the Detail Natality Data File for 1996 Data

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

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

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

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

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

Included in this document are:

1. List of data elements and tape locations.
2. Machine/File/Data Characteristics.
3. Detail Record Layout.
4. Geographic Code Outline.
5. Metropolitan Statistical Areas as adapted for use by NCHS/DVS.
6. Technical Appendix.
7. Table 1. Counts of Births by occurrence and residence for each State
8. Report of Final Natality Statistics, 1996

SYMBOLS USED IN TABLES

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

List of Data Elements and Tape Locations

<u>Data Items</u>	<u>Locations</u>
1. General	
a. Data year	1-4
b. Record type	5
c. Resident status	6
2. Occurrence	
a. NCHS State	16-17
b. Expanded NCHS State	14-15
c. NCHS County	18-20
d. Population size - county	26
e. Division	12
f. Region	11
g. FIPS State	21-22
h. FIPS County	23-25
3. Residence	
a. NCHS State	32-33
b. Expanded NCHS State	30-31
c. NCHS County	34-36
d. NCHS City	37-39
e. Population size - city	40
f. Population size - county	58
g. NCHS PSMA/MSA	347-349
h. Met/Nonmet county	41
I. Division	28
j. Region	27
k. FIPS State	42-43
l. FIPS County	44-46
m. FIPS Place	47-51
n. CMSA	52-53
o. FIPS PSMA/MSA	54-57
4. Prenatal Care	
a. Month began	106-109
b. Number of visits	110-113
c. Adequacy of care recode	93
5. Child	
a. Sex	188-189
b. Number at delivery	201
c. Birthweight	193-199
d. Apgar score	205-207
e. Gestation	181-187,208-209
f. Month/year of birth	172-173,176-179
g. Day of week of birth	180

List of Data Elements and Tape Locations

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

Machine/File/Data Characteristics:

ALL DATA SETS:

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

U.S. DATA SET:

1.	Record count:	
2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 3,894,874
	b.	By residence: 3,891,494
	c.	To foreign residents: 3,380

PUERTO RICO, VIRGIN ISLANDS, AND GUAM DATA SET:

1.	Record count:	69,519
----	---------------	--------

PUERTO RICO:

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

VIRGIN ISLANDS:

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

GUAM:

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

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-4	4	<u>DATAYEAR</u> <u>Year Birth of Child (Data Year)</u> 1996 ... 1996
5	1	<u>RECTYPE</u> <u>Record Type</u> 1 ... Resident: State and county of occurrence and residence are the same. 2 ... Nonresident: State and/or county of occurrence and residence are different.
6	1	<u>RESTATUS</u> <u>Resident Status</u> <u>United States occurrence</u> 1 ... RESIDENTS: State and county of occurrence and residence are the same. 2 ... INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different. 3 ... INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the U.S. 4 ... FOREIGN RESIDENTS: State of occurrence is one of the 50 States or the District of Columbia, but place of residence of mother is outside of the U.S. <u>Puerto Rico occurrence</u> 1 ... RESIDENTS: State and county of occurrence and residence are the same. 2 ... INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different. 4 ... FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
13	1	<u>STSUBOCC</u>
		<u>State Subcode of Occurrence (Cont'd)</u>
	2	... <u>MIDWEST</u>
	3	... <u>East North Central</u>
	1	... Ohio
	2	... Indiana
	3	... Illinois
	4	... Michigan
	5	... Wisconsin
	4	... <u>West North Central</u>
	1	... Minnesota
	2	... Iowa
	3	... Missouri
	4	... North Dakota
	5	... South Dakota
	6	... Nebraska
	7	... Kansas
	3	... <u>SOUTH</u>
	5	... <u>South Atlantic</u>
	1	... Delaware
	2	... Maryland
	3	... District of Columbia
	4	... Virginia
	5	... West Virginia
	6	... North Carolina
	7	... South Carolina
	8	... Georgia
	9	... Florida
	6	... <u>East South Central</u>
	1	... Kentucky
	2	... Tennessee
	3	... Alabama
	4	... Mississippi
	7	... <u>West South Central</u>
	1	... Arkansas
	2	... Louisiana
	3	... Oklahoma
	4	... Texas
	4	... <u>WEST</u>
	8	... <u>Mountain</u>
	1	... Montana
	2	... Idaho
	3	... Wyoming
	4	... Colorado
	5	... New Mexico
	6	... Arizona
	7	... Utah
	8	... Nevada

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
13	1	<u>STSUBOCC</u> <u>State Subcode of Occurrence (Cont'd)</u> 9 ... <u>Pacific</u> 1 ... Washington 2 ... Oregon 3 ... California 4 ... Alaska 5 ... Hawaii
14-15	2	<u>STNATEXP</u> <u>Expanded State of Occurrence</u> This item is designed to separately identify New York city records from other New York State records. <u>United States</u> 01 ... Alabama 02 ... Alaska 03 ... Arizona 04 ... Arkansas 05 ... California 06 ... Colorado 07 ... Connecticut 08 ... Delaware 09 ... District of Columbia 10 ... Florida 11 ... Georgia 12 ... Hawaii 13 ... Idaho 14 ... Illinois 15 ... Indiana 16 ... Iowa 17 ... Kansas 18 ... Kentucky 19 ... Louisiana 20 ... Maine 21 ... Maryland 22 ... Massachusetts 23 ... Michigan 24 ... Minnesota 25 ... Mississippi 26 ... Missouri 27 ... Montana 28 ... Nebraska

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
14-15	2	<u>STNATEXP</u> <u>Expanded State of Occurrence (Cont'd)</u> <u>United States</u> 29 ... Nevada 30 ... New Hampshire 31 ... New Jersey 32 ... New Mexico 33 ... New York 34 ... New York city 35 ... North Carolina 36 ... North Dakota 37 ... Ohio 38 ... Oklahoma 39 ... Oregon 40 ... Pennsylvania 41 ... Rhode Island 42 ... South Carolina 43 ... South Dakota 44 ... Tennessee 45 ... Texas 46 ... Utah 47 ... Vermont 48 ... Virginia 49 ... Washington 50 ... West Virginia 51 ... Wisconsin 52 ... Wyoming <u>Puerto Rico</u> 53 ... Puerto Rico <u>Virgin Islands</u> 54 ... Virgin Islands <u>Guam</u> 55 ... Guam
16-17	2	<u>STATENAT</u> <u>State of Occurrence</u> <u>United States</u> 01 ... Alabama 02 ... Alaska 03 ... Arizona 04 ... Arkansas 05 ... California

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
16-17	2	<u>STATENAT</u> <u>State of Occurrence (Cont'd)</u> <u>United States</u>
		06 ... Colorado
		07 ... Connecticut
		08 ... Delaware
		09 ... District of Columbia
		10 ... Florida
		11 ... Georgia
		12 ... Hawaii
		13 ... Idaho
		14 ... Illinois
		15 ... Indiana
		16 ... Iowa
		17 ... Kansas
		18 ... Kentucky
		19 ... Louisiana
		20 ... Maine
		21 ... Maryland
		22 ... Massachusetts
		23 ... Michigan
		24 ... Minnesota
		25 ... Mississippi
		26 ... Missouri
		27 ... Montana
		28 ... Nebraska
		29 ... Nevada
		30 ... New Hampshire
		31 ... New Jersey
		32 ... New Mexico
		33 ... New York
		34 ... North Carolina
		35 ... North Dakota
		36 ... Ohio
		37 ... Oklahoma
		38 ... Oregon
		39 ... Pennsylvania
		40 ... Rhode Island
		41 ... South Carolina
		42 ... South Dakota
		43 ... Tennessee
		44 ... Texas
		45 ... Utah
		46 ... Vermont
		47 ... Virginia

1996
Detail Natality Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	
16-17	2	<u>STATENAT</u> <u>State of Occurrence (Cont'd)</u> <u>United States</u> 48 ... Washington 49 ... West Virginia 50 ... Wisconsin 51 ... Wyoming <u>Puerto Rico</u> 52 ... Puerto Rico <u>Virgin Islands</u> 53 ... Virgin Islands <u>Guam</u> 54 ... Guam
18-20	3	<u>CNTYNAT</u> <u>County of Occurrence</u> 001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both and State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document. 999 ... County of less than 100,000 population
21-25	5	<u>FIPSOCC</u> <u>Federal Information Processing Standards (FIPS)</u> <u>Geographic Codes (Occurrence)</u> Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. Some Geographic codes have changed to reflect the results of the 1990 Census.

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
21-22	2	<u>STOCCFIP</u> <u>State of Occurrence (FIPS)</u> <u>United States</u>
		01 ... Alabama
		02 ... Alaska
		04 ... Arizona
		05 ... Arkansas
		06 ... California
		08 ... Colorado
		09 ... Connecticut
		10 ... Delaware
		11 ... District of Columbia
		12 ... Florida
		13 ... Georgia
		15 ... Hawaii
		16 ... Idaho
		17 ... Illinois
		18 ... Indiana
		19 ... Iowa
		20 ... Kansas
		21 ... Kentucky
		22 ... Louisiana
		23 ... Maine
		24 ... Maryland
		25 ... Massachusetts
		26 ... Michigan
		27 ... Minnesota
		28 ... Mississippi
		29 ... Missouri
		30 ... Montana
		31 ... Nebraska
		32 ... Nevada
		33 ... New Hampshire
		34 ... New Jersey
		35 ... New Mexico
		36 ... New York
		37 ... North Carolina
		38 ... North Dakota
		39 ... Ohio
		40 ... Oklahoma
		41 ... Oregon
		42 ... Pennsylvania
		44 ... Rhode Island
		45 ... South Carolina
		46 ... South Dakota
		47 ... Tennessee

1996
Detail Natality Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	
21-22	2	<u>STOCCFIP</u> <u>State of Occurrence (FIPS) (Cont'd)</u> <u>United States</u> 48 ... Texas 49 ... Utah 50 ... Vermont 51 ... Virginia 53 ... Washington 54 ... West Virginia 55 ... Wisconsin 56 ... Wyoming <u>Puerto Rico</u> 72 ... Puerto Rico <u>Virgin Islands</u> 78 ... Virgin Islands <u>Guam</u> 66 ... Guam
23-25	3	<u>CNTOCFIP</u> <u>County of Occurrence (FIPS)</u> 001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document. 999 ... County of less than 100,000 population
26	1	<u>CNTOCPOP</u> <u>Population Size of County of Occurrence</u> Based on the results of the 1990 Census 0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 9 ... County of less than 100,000

1996
Detail Natality Record

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

27-29	3	<u>RDSCRES</u> <u>Region, Division, and State Subcode of Residence</u>
-------	---	---

27	1	<u>REGNRES</u> <u>Region of Residence</u>
----	---	--

28	1	<u>DIVRES</u> <u>Division of Residence</u>
----	---	---

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

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

APPLICABLE TO U.S. ONLY

000	...	<u>Foreign Residents</u>
1	...	<u>NORTHEAST</u>
1	...	<u>New England</u>
1	...	Maine
2	...	New Hampshire
3	...	Vermont
4	...	Massachusetts
5	...	Rhode Island
6	...	Connecticut
2	...	<u>Middle Atlantic</u>
1	...	New York
2	...	New Jersey
3	...	Pennsylvania
2	...	<u>MIDWEST</u>
3	...	<u>East North Central</u>
1	...	Ohio
2	...	Indiana
3	...	Illinois
4	...	Michigan
5	...	Wisconsin

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
29	1	<u>STSUBRES</u> <u>State Subcode of Residence (Cont'd)</u>
		<u>APPLICABLE TO U.S. ONLY</u>
	4	... <u>West North Central</u>
	1	... Minnesota
	2	... Iowa
	3	... Missouri
	4	... North Dakota
	5	... South Dakota
	6	... Nebraska
	7	... Kansas
	3	... <u>SOUTH</u>
	5	... <u>South Atlantic</u>
	1	... Delaware
	2	... Maryland
	3	... District of Columbia
	4	... Virginia
	5	... West Virginia
	6	... North Carolina
	7	... South Carolina
	8	... Georgia
	9	... Florida
	6	... <u>East South Central</u>
	1	... Kentucky
	2	... Tennessee
	3	... Alabama
	4	... Mississippi
	7	... <u>West South Central</u>
	1	... Arkansas
	2	... Louisiana
	3	... Oklahoma
	4	... Texas
	4	... <u>WEST</u>
	8	... <u>Mountain</u>
	1	... Montana
	2	... Idaho
	3	... Wyoming
	4	... Colorado
	5	... New Mexico
	6	... Arizona
	7	... Utah
	8	... Nevada

1996
Detail Natality Record

Tape
Location

Field
Size

Item and Code Outline

29

1

STSUBRES

State Subcode of Residence (Cont'd)

APPLICABLE TO U.S. ONLY

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

30-31

2

STRESEXP

Expanded State of Residence

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

United States occurrence

01	...	Alabama
02	...	Alaska
03	...	Arizona
04	...	Arkansas
05	...	California
06	...	Colorado
07	...	Connecticut
08	...	Delaware
09	...	District of Columbia
10	...	Florida
11	...	Georgia
12	...	Hawaii
13	...	Idaho
14	...	Illinois
15	...	Indiana
16	...	Iowa
17	...	Kansas
18	...	Kentucky
19	...	Louisiana
20	...	Maine
21	...	Maryland
22	...	Massachusetts
23	...	Michigan
24	...	Minnesota
25	...	Mississippi
26	...	Missouri
27	...	Montana

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	
30-31	2	<u>STRESEXP</u> <u>Expanded State of Residence (Cont'd)</u> <u>Virgin Islands occurrence</u> 54 ... Virgin Islands 01-53,55-58,60 ... Foreign residents: Refer to U.S. for specific code structure. <u>Guam occurrence</u> 55 ... Guam 01-52 ... U.S. resident is also considered a resident of Guam. 53-54,56-58,60 ... Foreign residents: Refer to U.S. for specific code structure.
32-33	2	<u>STATERES</u> <u>State of Residence</u> <u>United States 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 25 ... Mississippi

1996
Detail Natality Record

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

1996
Detail Natality Record

Tape
Location

Field
Size

Item and Code Outline

32-33

2

STATERES

State of Residence (Cont'd)

Virgin Islands occurrence

53 ... Virgin Islands
01-52,54-57,59 ... Foreign Residents: Refer to
U.S. for specific code
structure.

Guam occurrence

54	...	Guam
01-51	...	U.S. resident is also considered a resident of Guam.
52-53,55-57,59	...	Foreign Residents: Refer to U.S. for specific code structure.

34-36

3

CNTYRES

County of Residence

A complete list of counties is shown in the Geographic Code Outline further back in this document.

```

001-nnn      ...   Counties and county
                  equivalents (independent and
                  coextensive cities) are
                  numbered alphabetically within
                  each State and identify each
                  county with a population of
                  100,000 or more in 1990.
                  (Note: To uniquely identify a
                  county, both the State and
                  county codes must be used.)
999           ...   County of less than 100,000
                  population
ZZZ           ...   Foreign Residents

```

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
37-39	3	<u>CITYRES</u> <u>City of Residence</u> A complete list of cities is shown in the Geographic Code Outline further back in this document. 001-nnn ... Cities are numbered alphabetically within each State and identify each city with a population of 100,000 or more in 1990. (Note: To uniquely identify a city, both the State and city codes must be used. State, county and city codes may also be used.) 999 ... Balance of county ZZZ ... Foreign residents
40	1	<u>CITRSPOP</u> <u>Population Size of City of Residence</u> Based on the results of the 1990 census 0 ... Place of 1,000,000 or more 1 ... Place of 500,000 to 1,000,000 2 ... Place of 250,000 to 500,000 3 ... Place of 100,000 to 250,000 9 ... All other areas in the U.S. Z ... Foreign residents
41	1	<u>METRORES</u> <u>Metropolitan - Nonmetropolitan County of Residence</u> <u>NOTE:</u> GUAM AND THE VIRGIN ISLANDS DO NOT HAVE ANY METROPOLITAN AREAS 1 ... Metropolitan county 2 ... Nonmetropolitan county Z ... Foreign residents

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																																																																										
42-57	16	<u>FIPSRES</u> <u>Federal Information Processing Standards (FIPS)</u> <u>Geographic Codes (Residence)</u> Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. Some Geographic Codes have changed to reflect the results of the 1990 Census.																																																																																										
42-43	2	<u>STRESFIP</u> <u>State of Residence (FIPS)</u> <u>United States occurrence</u> <table> <tr><td>00</td><td>...</td><td>Foreign residents</td></tr> <tr><td>01</td><td>...</td><td>Alabama</td></tr> <tr><td>02</td><td>...</td><td>Alaska</td></tr> <tr><td>04</td><td>...</td><td>Arizona</td></tr> <tr><td>05</td><td>...</td><td>Arkansas</td></tr> <tr><td>06</td><td>...</td><td>California</td></tr> <tr><td>08</td><td>...</td><td>Colorado</td></tr> <tr><td>09</td><td>...</td><td>Connecticut</td></tr> <tr><td>10</td><td>...</td><td>Delaware</td></tr> <tr><td>11</td><td>...</td><td>District of Columbia</td></tr> <tr><td>12</td><td>...</td><td>Florida</td></tr> <tr><td>13</td><td>...</td><td>Georgia</td></tr> <tr><td>15</td><td>...</td><td>Hawaii</td></tr> <tr><td>16</td><td>...</td><td>Idaho</td></tr> <tr><td>17</td><td>...</td><td>Illinois</td></tr> <tr><td>18</td><td>...</td><td>Indiana</td></tr> <tr><td>19</td><td>...</td><td>Iowa</td></tr> <tr><td>20</td><td>...</td><td>Kansas</td></tr> <tr><td>21</td><td>...</td><td>Kentucky</td></tr> <tr><td>22</td><td>...</td><td>Louisiana</td></tr> <tr><td>23</td><td>...</td><td>Maine</td></tr> <tr><td>24</td><td>...</td><td>Maryland</td></tr> <tr><td>25</td><td>...</td><td>Massachusetts</td></tr> <tr><td>26</td><td>...</td><td>Michigan</td></tr> <tr><td>27</td><td>...</td><td>Minnesota</td></tr> <tr><td>28</td><td>...</td><td>Mississippi</td></tr> <tr><td>29</td><td>...</td><td>Missouri</td></tr> <tr><td>30</td><td>...</td><td>Montana</td></tr> <tr><td>31</td><td>...</td><td>Nebraska</td></tr> <tr><td>32</td><td>...</td><td>Nevada</td></tr> </table>	00	...	Foreign residents	01	...	Alabama	02	...	Alaska	04	...	Arizona	05	...	Arkansas	06	...	California	08	...	Colorado	09	...	Connecticut	10	...	Delaware	11	...	District of Columbia	12	...	Florida	13	...	Georgia	15	...	Hawaii	16	...	Idaho	17	...	Illinois	18	...	Indiana	19	...	Iowa	20	...	Kansas	21	...	Kentucky	22	...	Louisiana	23	...	Maine	24	...	Maryland	25	...	Massachusetts	26	...	Michigan	27	...	Minnesota	28	...	Mississippi	29	...	Missouri	30	...	Montana	31	...	Nebraska	32	...	Nevada
00	...	Foreign residents																																																																																										
01	...	Alabama																																																																																										
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11	...	District of Columbia																																																																																										
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15	...	Hawaii																																																																																										
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27	...	Minnesota																																																																																										
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32	...	Nevada																																																																																										

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
42-43	2	<u>STRESFIP</u> <u>State of Residence (FIPS) (Cont'd)</u> <u>United States occurrence</u> 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 <u>Puerto Rico occurrence</u> 00-56,66,78 ... Foreign Residents: Refer to U.S. for specific code structure 72 ... Puerto Rico <u>Virgin Islands occurrence</u> 00-56,66,72 ... Foreign Residents: Refer to U.S. for specific code structure 78 ... Virgin Islands <u>Guam occurrence</u> 00,72,78 ... Foreign Residents: Refer to U.S. for specific code structure 01-56 ... U.S. Resident is also considered a resident of Guam. Refer to U.S. for specific code structure 66 ... Guam

1996
Detail Natality Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	
44-46	3	<u>CNTYRFIP</u> <u>County of Residence (FIPS)</u> 001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.) 999 ... County of less than 100,000 population 000 ... Foreign residents
47-51	5	<u>PLACEFIP</u> <u>Place (City) of Residence</u> A complete list of cities is shown in the Geographic code outline further back in this document. Effective with the 1994 data year, the FIPS place code has been added to the Mortality record. It identifies each city of 100,000 population or more in 1990. 00000 ... Foreign residents 00001- nnnnn ... Code range 99999 ... Balance of county; or city of less than 100,000 population
52-53	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. <u>All AREAS</u> 00 ... Not a CMSA <u>United States occurrence</u> 07 ... Boston-Worcester-Lawrence, MA-NH-ME CT, CMSA 14 ... Chicago-Gary-Kenosha, IL-IN-WI, CMSA 21 ... Cincinnati-Hamilton, OH-KY-IN, CMSA 28 ... Cleveland-Akron, OH, CMSA 31 ... Dallas-Fort Worth, TX, CMSA 34 ... Denver-Boulder-Greeley, CO, CMSA 35 ... Detroit-Ann Arbor-Flint, MI, CMSA

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
52-53	2	<u>CMSA</u> <u>CMSA of Residence (FIPS) (Cont'd)</u> 42 ... Houston-Galveston-Brazoria, TX, CMSA 49 ... Los Angeles-Riverside-Orange County, CA, CMSA 56 ... Miami-Fort Lauderdale, FL, CMSA 63 ... Milwaukee-Racine, WI, CMSA 70 ... New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, CMSA 77 ... Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA 79 ... Portland-Salem, OR-WA, CMSA 82 ... Sacramento-Yolo, CA, CMSA 84 ... San Francisco-Oakland-San Jose, CA, CMSA 91 ... Seattle-Tacoma-Bremerton, WA, CMSA 97 ... Washington-Baltimore, DC-MD-VA-WV, CMSA <u>Puerto Rico occurrence</u> 87 ... San Juan-Caguas-Arecibo, PR, CMSA
54-57	4	<u>SMSARFIP</u> <u>PMSA/MSA of Residence (FIPS)</u> Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Management and Budget as of 1990. For New England, the New England County Metropolitan Areas (NECMA's) are used. Further back in this document is a list of PMSA's, MSA's, NECMA's, and their component counties. 0000 ... Nonmetropolitan counties or foreign residents 0040-9360 ... Code range 9999 ... Area of less than 100,000 population

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
58	1	<u>CNTRSPOP</u> <u>Population Size of County of Residence</u> Based on the results of the 1990 Census. 0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 9 ... County of less than 100,000 Z ... Foreign resident
59-67	9	<u>R1A</u> <u>Reserved Positions</u>

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
68	1	<u>MAGERFLG</u> <u>Reported Age of Mother Used Flag</u> 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. Blank ... Reported age is not used 1 ... Reported age is used
69	1	<u>MAGEIMP</u> <u>Age of Mother Imputation Flag</u> Blank ... Age is not imputed 1 ... Age is imputed
70-71	2	<u>DMAGE</u> <u>Age of Mother</u> 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. 10-49 ... Age in single years
72-73	2	<u>MAGE36</u> <u>Age of Mother Recode 36</u> 01 ... Under 15 years 02 ... 15 years 03 ... 16 years 04 ... 17 years 05 ... 18 years 06 ... 19 years 07 ... 20 years 08 ... 21 years 09 ... 22 years 10 ... 23 years 11 ... 24 years 12 ... 25 years 13 ... 26 years 14 ... 27 years 15 ... 28 years 16 ... 29 years 17 ... 30 years

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
72-73	2	<u>MAGE36</u> <u>Age of Mother Recode 36 (Cont'd)</u>
		18 ... 31 years 19 ... 32 years 20 ... 33 years 21 ... 34 years 22 ... 35 years 23 ... 36 years 24 ... 37 years 25 ... 38 years 26 ... 39 years 27 ... 40 years 28 ... 41 years 29 ... 42 years 30 ... 43 years 31 ... 44 years 32 ... 45 years 33 ... 46 years 34 ... 47 years 35 ... 48 years 36 ... 49 years
74-75	2	<u>MAGE12</u> <u>Age of Mother Recode 12</u>
		01 ... Under 15 years 03 ... 15 years 04 ... 16 years 05 ... 17 years 06 ... 18 years 07 ... 19 years 08 ... 20 - 24 years 09 ... 25 - 29 years 10 ... 30 - 34 years 11 ... 35 - 39 years 12 ... 40 - 44 years 13 ... 45 - 49 years
76	1	<u>MAGE8</u> <u>Age of Mother Recode 8</u>
		1 ... Under 15 years 2 ... 15 - 19 years 3 ... 20 - 24 years 4 ... 25 - 29 years

1996
Detail Natality Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	
76	1	<u>MAGE8</u> <u>Age of Mother Recode 8 (Cont'd)</u> 5 ... 30 - 34 years 6 ... 35 - 39 years 7 ... 40 - 44 years 8 ... 45 - 49 years
77	1	<u>ORMOTH</u> <u>Hispanic Origin of Mother</u> Hispanic origin is reported by all areas except Puerto Rico. 0 ... Non-Hispanic 1 ... Mexican 2 ... Puerto Rican 3 ... Cuban 4 ... Central or South American 5 ... Other and unknown Hispanic 9 ... Origin unknown or not stated
78	1	<u>ORRACEM</u> <u>Hispanic Origin and Race of Mother Recode</u> Hispanic origin is reported by all areas except Puerto Rico. 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
79	1	<u>MRACEIMP</u> <u>Race of Mother Imputation Flag</u> Blank ... Race is not imputed 1 ... Unknown race is imputed 2 ... All other races, formerly code 09, is imputed

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																																			
80-81	2	<u>MRACE</u> <u>Race of Mother</u> <u>United States occurrence</u> Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been imputed. <table> <tr><td>01</td><td>...</td><td>White</td></tr> <tr><td>02</td><td>...</td><td>Black</td></tr> <tr><td>03</td><td>...</td><td>American Indian (includes Aleuts and Eskimos)</td></tr> <tr><td>04</td><td>...</td><td>Chinese</td></tr> <tr><td>05</td><td>...</td><td>Japanese</td></tr> <tr><td>06</td><td>...</td><td>Hawaiian (includes part-Hawaiian)</td></tr> <tr><td>07</td><td>...</td><td>Filipino</td></tr> <tr><td>18</td><td>...</td><td>Asian Indian</td></tr> <tr><td>28</td><td>...</td><td>Korean</td></tr> <tr><td>38</td><td>...</td><td>Samoan</td></tr> <tr><td>48</td><td>...</td><td>Vietnamese</td></tr> <tr><td>58</td><td>...</td><td>Guamanian</td></tr> <tr><td>68</td><td>...</td><td>Other Asian or Pacific Islander in areas reporting codes 18-58</td></tr> <tr><td>78</td><td>...</td><td>Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately</td></tr> </table> <u>Puerto Rico occurrence</u> <table> <tr><td>01</td><td>...</td><td>White</td></tr> <tr><td>02</td><td>...</td><td>Black</td></tr> <tr><td>00</td><td>...</td><td>Other races</td></tr> </table>	01	...	White	02	...	Black	03	...	American Indian (includes Aleuts and Eskimos)	04	...	Chinese	05	...	Japanese	06	...	Hawaiian (includes part-Hawaiian)	07	...	Filipino	18	...	Asian Indian	28	...	Korean	38	...	Samoan	48	...	Vietnamese	58	...	Guamanian	68	...	Other Asian or Pacific Islander in areas reporting codes 18-58	78	...	Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately	01	...	White	02	...	Black	00	...	Other races
01	...	White																																																			
02	...	Black																																																			
03	...	American Indian (includes Aleuts and Eskimos)																																																			
04	...	Chinese																																																			
05	...	Japanese																																																			
06	...	Hawaiian (includes part-Hawaiian)																																																			
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18	...	Asian Indian																																																			
28	...	Korean																																																			
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48	...	Vietnamese																																																			
58	...	Guamanian																																																			
68	...	Other Asian or Pacific Islander in areas reporting codes 18-58																																																			
78	...	Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately																																																			
01	...	White																																																			
02	...	Black																																																			
00	...	Other races																																																			
80-81	2	<u>MRACE</u> <u>Race of Mother (Cont'd)</u> <u>Virgin Islands occurrence</u> <table> <tr><td>01</td><td>...</td><td>White</td></tr> <tr><td>02</td><td>...</td><td>Black</td></tr> <tr><td>03</td><td>...</td><td>American Indian (includes Aleuts and Eskimos)</td></tr> <tr><td>04</td><td>...</td><td>Chinese</td></tr> <tr><td>05</td><td>...</td><td>Japanese</td></tr> <tr><td>06</td><td>...</td><td>Hawaiian (includes part-Hawaiian)</td></tr> </table>	01	...	White	02	...	Black	03	...	American Indian (includes Aleuts and Eskimos)	04	...	Chinese	05	...	Japanese	06	...	Hawaiian (includes part-Hawaiian)																																	
01	...	White																																																			
02	...	Black																																																			
03	...	American Indian (includes Aleuts and Eskimos)																																																			
04	...	Chinese																																																			
05	...	Japanese																																																			
06	...	Hawaiian (includes part-Hawaiian)																																																			

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>																					
83-84	2	<u>DMEDUC</u> <u>Education of Mother (Cont'd)</u> <table> <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>Not stated</td></tr> </table>	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			
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																					
85	1	<u>MEDUC6</u> <u>Education of Mother Recode</u> <table> <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																					
86	1	<u>DMARIMP</u> <u>Marital Status of Mother Imputation Flag</u> <table> <tr><td>Blank</td><td>...</td><td>Marital Status is not imputed</td></tr> <tr><td>1</td><td>...</td><td>Marital Status is imputed</td></tr> </table>	Blank	...	Marital Status is not imputed	1	...	Marital Status is imputed															
Blank	...	Marital Status is not imputed																					
1	...	Marital Status is imputed																					
87	1	<u>DMAR</u> <u>Marital Status of Mother</u> Marital status is not reported by all areas. See reporting flags. <u>United States/Virgin Island/Guam</u> <table> <tr><td>1</td><td>...</td><td>Married</td></tr> <tr><td>2</td><td>...</td><td>Unmarried</td></tr> <tr><td>9</td><td>...</td><td>Unknown or not stated</td></tr> </table> <u>Puerto Rico</u> <table> <tr><td>1</td><td>...</td><td>Married</td></tr> <tr><td>2</td><td>...</td><td>Unmarried parents living together</td></tr> <tr><td>3</td><td>...</td><td>Unmarried parents not living together</td></tr> <tr><td>9</td><td>...</td><td>Unknown or not stated</td></tr> </table>	1	...	Married	2	...	Unmarried	9	...	Unknown or not stated	1	...	Married	2	...	Unmarried parents living together	3	...	Unmarried parents not living together	9	...	Unknown or not stated
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1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
88-89	2	<u>MPLBIR</u> <u>Place of Birth of Mother</u>
		01 ... Alabama
		02 ... Alaska
		03 ... Arizona
		04 ... Arkansas
		05 ... California
		06 ... Colorado
		07 ... Connecticut
		08 ... Delaware
		09 ... District of Columbia
		10 ... Florida
		11 ... Georgia
		12 ... Hawaii
		13 ... Idaho
		14 ... Illinois
		15 ... Indiana
		16 ... Iowa
		17 ... Kansas
		18 ... Kentucky
		19 ... Louisiana
		20 ... Maine
		21 ... Maryland
		22 ... Massachusetts
		23 ... Michigan
		24 ... Minnesota
		25 ... Mississippi
		26 ... Missouri
		27 ... Montana
		28 ... Nebraska
		29 ... Nevada
		30 ... New Hampshire
		31 ... New Jersey
		32 ... New Mexico
		33 ... New York
		34 ... North Carolina
		35 ... North Dakota
		36 ... Ohio
		37 ... Oklahoma
		38 ... Oregon
		39 ... Pennsylvania
		40 ... Rhode Island
		41 ... South Carolina
		42 ... South Dakota
		43 ... Tennessee

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>																																																
88-89	2	<u>MPLBIR</u> <u>Place of Birth of Mother (Cont'd)</u> <table> <tr><td>44</td><td>...</td><td>Texas</td></tr> <tr><td>45</td><td>...</td><td>Utah</td></tr> <tr><td>46</td><td>...</td><td>Vermont</td></tr> <tr><td>47</td><td>...</td><td>Virginia</td></tr> <tr><td>48</td><td>...</td><td>Washington</td></tr> <tr><td>49</td><td>...</td><td>West Virginia</td></tr> <tr><td>50</td><td>..</td><td>Wisconsin</td></tr> <tr><td>51</td><td>..</td><td>Wyoming</td></tr> <tr><td>52</td><td>...</td><td>Puerto Rico</td></tr> <tr><td>53</td><td>...</td><td>Virgin Islands</td></tr> <tr><td>54</td><td>...</td><td>Guam</td></tr> <tr><td>55</td><td>...</td><td>Canada</td></tr> <tr><td>56</td><td>...</td><td>Cuba</td></tr> <tr><td>57</td><td>...</td><td>Mexico</td></tr> <tr><td>59</td><td>...</td><td>Remainder of the World</td></tr> <tr><td>99</td><td>...</td><td>Not classifiable</td></tr> </table>	44	...	Texas	45	...	Utah	46	...	Vermont	47	...	Virginia	48	...	Washington	49	...	West Virginia	50	..	Wisconsin	51	..	Wyoming	52	...	Puerto Rico	53	...	Virgin Islands	54	...	Guam	55	...	Canada	56	...	Cuba	57	...	Mexico	59	...	Remainder of the World	99	...	Not classifiable
44	...	Texas																																																
45	...	Utah																																																
46	...	Vermont																																																
47	...	Virginia																																																
48	...	Washington																																																
49	...	West Virginia																																																
50	..	Wisconsin																																																
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59	...	Remainder of the World																																																
99	...	Not classifiable																																																
90	1	<u>MPLBIRR</u> <u>Place of Birth of Mother Recode</u> <table> <tr><td>1</td><td>...</td><td>Native born</td></tr> <tr><td>2</td><td>...</td><td>Foreign born</td></tr> <tr><td>3</td><td>...</td><td>Unknown or not stated</td></tr> </table>	1	...	Native born	2	...	Foreign born	3	...	Unknown or not stated																																							
1	...	Native born																																																
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3	...	Unknown or not stated																																																
91-92	2	<u>DMAGERPT</u> <u>Reported Age of Mother</u> <table> <tr><td>10-49</td><td>...</td><td>Age in single years</td></tr> <tr><td>99</td><td>...</td><td>Unknown or not stated</td></tr> </table>	10-49	...	Age in single years	99	...	Unknown or not stated																																										
10-49	...	Age in single years																																																
99	...	Unknown or not stated																																																
93	1	<u>ADEQUACY</u> <u>Adequacy Of Care Recode (Kessner Index)</u> This recode is based on a modified Kessner criterion. Month Prenatal Care Began, Number of Prenatal Visits, and Gestation are the items used to generate this recode. <table> <tr><td>1</td><td>...</td><td>Adequate</td></tr> <tr><td>2</td><td>...</td><td>Intermediate</td></tr> <tr><td>3</td><td>...</td><td>Inadequate</td></tr> <tr><td>4</td><td>...</td><td>Unknown</td></tr> </table>	1	...	Adequate	2	...	Intermediate	3	...	Inadequate	4	...	Unknown																																				
1	...	Adequate																																																
2	...	Intermediate																																																
3	...	Inadequate																																																
4	...	Unknown																																																

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
94-95	2	<u>NLBNL</u> <u>Number of Live Births, Now Living</u> Does not include this birth or adoptions. 00-30 ... Stated number of births 99 ... Unknown or not stated
96-97	2	<u>NLBND</u> <u>Number of Live Births, Now Dead</u> Does not include this birth or adoptions. 00-30 ... Stated number of births 99 ... Unknown or not stated
98-99	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
100-101	2	<u>DLIVORD</u> <u>Detail Live Birth Order</u> Sum of live births now living and now dead plus one. If either item is unknown, this item is made unknown. 00-31 ... Number of children born alive to mother 99 ... Unknown
102	1	<u>LIVORD9</u> <u>Live Birth Order Recode</u> 1 ... First Child 2 ... Second Child 3 ... Third Child 4 ... Fourth Child 5 ... Fifth Child 6 ... Sixth Child

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
114-121	8	<u>LMPDATE</u> <u>Date Last Normal Menses Began</u>
114-115	2	<u>LMPMON</u> <u>Month Last Normal Menses Began</u>
		01 ... January
		02 ... February
		03 ... March
		04 ... April
		05 ... May
		06 ... June
		07 ... July
		08 ... August
		09 ... September
		10 ... October
		11 ... November
		12 ... December
		99 ... Unknown or not stated month of LMP
116-117	2	<u>LMPDAY</u> <u>Day Last Normal Menses Began</u>
		01-31 ... As applicable to month of LMP
		99 ... Unknown or not stated day of LMP
118-121	4	<u>LMPYR</u> <u>Year Last Normal Menses Began</u>
		1993 ... 1993
		1996 ... 1996
		9999 ... Unknown or not stated year of LMP
122-127	6	<u>R8</u> Item was dropped in 1994
128-130	3	<u>DISLLE</u> <u>Interval Since Last Live Birth</u>
		This item is computed from date of birth of this child and date of last live birth.
		777 ... No previous live birth
		000 ... Zero months (plural birth)
		001-468 ... One to four hundred sixty-eight months
		999 ... Unknown

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>																																										
159	1	<u>ORRACEF</u> <u>Hispanic Origin and Race of Father Recode</u> Hispanic origin of father is reported by all areas except Puerto Rico. <table> <tr><td>1</td><td>...</td><td>Mexican</td></tr> <tr><td>2</td><td>...</td><td>Puerto Rican</td></tr> <tr><td>3</td><td>...</td><td>Cuban</td></tr> <tr><td>4</td><td>...</td><td>Central or South American</td></tr> <tr><td>5</td><td>...</td><td>Other and unknown Hispanic</td></tr> <tr><td>6</td><td>...</td><td>Non - Hispanic White</td></tr> <tr><td>7</td><td>...</td><td>Non - Hispanic Black</td></tr> <tr><td>8</td><td>...</td><td>Non - Hispanic other or unknown race</td></tr> <tr><td>9</td><td>...</td><td>Origin unknown or not stated</td></tr> </table>	1	...	Mexican	2	...	Puerto Rican	3	...	Cuban	4	...	Central or South American	5	...	Other and unknown Hispanic	6	...	Non - Hispanic White	7	...	Non - Hispanic Black	8	...	Non - Hispanic other or unknown race	9	...	Origin unknown or not stated															
1	...	Mexican																																										
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3	...	Cuban																																										
4	...	Central or South American																																										
5	...	Other and unknown Hispanic																																										
6	...	Non - Hispanic White																																										
7	...	Non - Hispanic Black																																										
8	...	Non - Hispanic other or unknown race																																										
9	...	Origin unknown or not stated																																										
160-161	2	<u>FRACE</u> <u>Race of Father</u> <u>United States occurrence</u> Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been imputed. <table> <tr><td>01</td><td>...</td><td>White</td></tr> <tr><td>02</td><td>...</td><td>Black</td></tr> <tr><td>03</td><td>...</td><td>American Indian (includes Aleuts and Eskimos)</td></tr> <tr><td>04</td><td>...</td><td>Chinese</td></tr> <tr><td>05</td><td>...</td><td>Japanese</td></tr> <tr><td>06</td><td>...</td><td>Hawaiian (includes part-Hawaiian)</td></tr> <tr><td>07</td><td>...</td><td>Filipino</td></tr> <tr><td>18</td><td>...</td><td>Asian Indian</td></tr> <tr><td>28</td><td>...</td><td>Korean</td></tr> <tr><td>38</td><td>...</td><td>Samoan</td></tr> <tr><td>48</td><td>...</td><td>Vietnamese</td></tr> <tr><td>58</td><td>...</td><td>Guamanian</td></tr> <tr><td>68</td><td>...</td><td>Other Asian or Pacific Islander in areas reporting codes 18-58</td></tr> <tr><td>78</td><td>...</td><td>Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately</td></tr> </table>	01	...	White	02	...	Black	03	...	American Indian (includes Aleuts and Eskimos)	04	...	Chinese	05	...	Japanese	06	...	Hawaiian (includes part-Hawaiian)	07	...	Filipino	18	...	Asian Indian	28	...	Korean	38	...	Samoan	48	...	Vietnamese	58	...	Guamanian	68	...	Other Asian or Pacific Islander in areas reporting codes 18-58	78	...	Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately
01	...	White																																										
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1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>																																																												
160-161	2	<u>FRACE</u> <u>Race of Father (Cont'd)</u> <u>Puerto Rico occurrence</u> <table border="0"> <tr> <td>01</td> <td>...</td> <td>White</td> </tr> <tr> <td>02</td> <td>...</td> <td>Black</td> </tr> <tr> <td>00</td> <td>...</td> <td>Other races</td> </tr> </table> <u>Virgin Islands occurrence</u> <table border="0"> <tr> <td>01</td> <td>...</td> <td>White</td> </tr> <tr> <td>02</td> <td>...</td> <td>Black</td> </tr> <tr> <td>03</td> <td>...</td> <td>American Indian (includes Aleuts and Eskimos)</td> </tr> <tr> <td>04</td> <td>...</td> <td>Chinese</td> </tr> <tr> <td>05</td> <td>...</td> <td>Japanese</td> </tr> <tr> <td>06</td> <td>...</td> <td>Hawaiian (includes part-Hawaiian)</td> </tr> <tr> <td>07</td> <td>...</td> <td>Filipino</td> </tr> <tr> <td>08</td> <td>...</td> <td>Other Asian or Pacific Islander</td> </tr> </table> <u>Guam occurrence</u> <table border="0"> <tr> <td>01</td> <td>...</td> <td>White</td> </tr> <tr> <td>02</td> <td>...</td> <td>Black</td> </tr> <tr> <td>03</td> <td>...</td> <td>American Indian (includes Aleuts and Eskimos)</td> </tr> <tr> <td>04</td> <td>...</td> <td>Chinese</td> </tr> <tr> <td>05</td> <td>...</td> <td>Japanese</td> </tr> <tr> <td>06</td> <td>...</td> <td>Hawaiian (includes part-Hawaiian)</td> </tr> <tr> <td>07</td> <td>...</td> <td>Filipino</td> </tr> <tr> <td>08</td> <td>...</td> <td>Other Asian or Pacific Islander</td> </tr> <tr> <td>58</td> <td>...</td> <td>Guamanian</td> </tr> </table>	01	...	White	02	...	Black	00	...	Other races	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	01	...	White	02	...	Black	03	...	American Indian (includes Aleuts and Eskimos)	04	...	Chinese	05	...	Japanese	06	...	Hawaiian (includes part-Hawaiian)	07	...	Filipino	08	...	Other Asian or Pacific Islander	58	...	Guamanian
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1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
		05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December
174-175	2	<u>RC</u> <u>Reserved Positions</u>
176-179	4	<u>BIRYR</u> <u>Year of Birth</u> 1996 ... 1996
180	1	<u>WEEKDAY</u> <u>Day of Week Child Born</u> 1 ... Sunday 2 ... Monday 3 ... Tuesday 4 ... Wednesday 5 ... Thursday 6 ... Friday 7 ... Saturday
181	1	<u>GESTESTM</u> <u>Clinical Estimate of Gestation Used Flag</u> This position is flagged whenever the clinical estimate of gestation is used. It is used when gestation could not be computed or when the computed gestation is outside the 17-47 code range. Blank ... Clinical Estimate is not used 1 ... Clinical Estimate is used

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
182	1	<u>GESTIMP</u> <u>Gestation Imputation Flag</u> Blank ... Gestation is not imputed 1 ... Gestation is imputed
183-184	2	<u>DGESTAT</u> <u>Gestation - Detail in Weeks</u> This item is: a) computed using dates of birth of child and last normal menses; b) imputed from LMP date; c) the clinical estimate; or d) unknown when there is insufficient data to impute or no valid clinical estimate. This is the gestation item used in NCHS publications. 17-47 ... 17th through 47th week of gestation 99 ... Unknown
185-186	2	<u>GESTAT10</u> <u>Gestation Recode 10</u> 01 ... Under 20 weeks 02 ... 20 - 27 weeks 03 ... 28 - 31 weeks 04 ... 32 - 35 weeks 05 ... 36 weeks 06 ... 37 - 39 weeks 07 ... 40 weeks 08 ... 41 weeks 09 ... 42 weeks and over 10 ... Not stated
187	1	<u>GESTAT3</u> <u>Gestation Recode 3</u> 1 ... Under 37 weeks 2 ... 37 weeks and over 3 ... Not stated
188	1	<u>CSEXIMP</u> <u>Sex Imputation Flag</u> Blank ... Sex is not imputed 1 ... Sex is imputed

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
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210-216	7	<u>R4</u> <u>Reserved Positions</u>
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217-306	90	<u>MEDINFO</u> <u>Medical and Health Data</u>
---------	----	--

Some States do not report an entire item while other States do not report all of the categories within an item.

If an item is not reported, it is indicated by code zero in the appropriate reporting flag.

If a category within an item is not reported it is indicated by code 8 in the position for that category.

217-222	6	<u>DELMETH</u> <u>Method of Delivery</u>
---------	---	---

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

1	...	The method was used
2	...	The method was not used
8	...	Method not on certificate
9	...	Method unknown or not stated

217	1	<u>VAGINAL</u> <u>Vaginal</u>
-----	---	----------------------------------

218	1	<u>VBAC</u> <u>Vaginal birth after previous C-section</u>
-----	---	--

219	1	<u>PRIMAC</u> <u>Primary C -section</u>
-----	---	--

220	1	<u>REPEAC</u> <u>Repeat C -section</u>
-----	---	---

221	1	<u>FORCEP</u> <u>Forceps</u>
-----	---	---------------------------------

222	1	<u>VACUUM</u> <u>Vacuum</u>
-----	---	--------------------------------

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
243-244	2	<u>CIGAR</u> <u>Average Number of Cigarettes Per Day</u> 00-97 ... As stated 98 ... 98 or more cigarettes per day 99 ... Unknown or not stated
245	1	<u>CIGAR6</u> <u>Average Number of Cigarettes Per Day Recode</u> 0 ... Nonsmoker 1 ... 1 - 5 cigarettes per day 2 ... 6 - 10 cigarettes per day 3 ... 11 - 20 cigarettes per day 4 ... 21 - 40 cigarettes per day 5 ... 41 or more cigarettes per day 6 ... Unknown or not stated
246-249	4	<u>ALCOHRSK</u> <u>Alcohol</u>
246	1	<u>ALCOHOL</u> <u>Alcohol Use During Pregnancy</u> 1 ... Yes 2 ... No 9 ... Unknown or not stated
247-249	2	<u>DRINK</u> <u>Average Number of Drinks Per Week</u> 00-97 ... As stated 98 ... 98 or more drinks per week 99 ... Unknown or not stated
249	1	<u>DRINK5</u> <u>Average Number of Drinks Per Week Recode</u> 0 ... Non drinker 1 ... 1 drink per week 2 ... 2 drinks per week 3 ... 3 - 4 drinks per week 4 ... 5 or more drinks per week 5 ... Unknown or not stated

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
268	1	<u>PROLONG</u> <u>Prolonged labor (>20 hours)</u>
269	1	<u>DYSFUNC</u> <u>Dysfunctional labor</u>
270	1	<u>BREECH</u> <u>Breech/Malpresentation</u>
271	1	<u>CEPHALO</u> <u>Cephalopelvic disproportion</u>
272	1	<u>CORD</u> <u>Cord prolapse</u>
273	1	<u>ANESTHE</u> <u>Anesthetic complications</u>
274	1	<u>DISTRESS</u> <u>Fetal distress</u>
275	1	<u>OTHERLB</u> <u>Other Complication of Labor and/or Delivery</u>
276-284	9	<u>NEWBORN</u> <u>Abnormal Conditions of the Newborn</u>

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

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

276	1	<u>NANEMIA</u> <u>Anemia (Hct.<39/Hgb.<13)</u>
277	1	<u>INJURY</u> <u>Birth injury</u>
278	1	<u>ALCOSYN</u> <u>Fetal alcohol syndrome</u>
279	1	<u>HYALINE</u> <u>Hyaline membrane disease</u>

1996
Detail Natality Record

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

1996
Detail Natality Record

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

1996
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
307-326	20	<u>FLRES</u> <u>Reporting Flags for Place of Residence</u> These positions contain flags to indicate whether or not the specified item is included on the birth certificate of the State of residence or of the MSA of residence. The code structure for each flag (position) is: 0 ... The item is not reported 1 ... The item is reported or partially reported.
307	1	<u>ORIGM</u> <u>Origin of mother</u>
308	1	<u>ORIGF</u> <u>Origin of father</u>
309	1	<u>EDUCM</u> <u>Education of mother</u>
310	1	<u>EDUCF</u> <u>Education of father</u>
311	1	<u>GESTE</u> <u>Clinical estimate of gestation</u>
312	1	<u>R6A</u> <u>Reserved position</u>
313	1	<u>FMAPSRF</u> <u>5 - minute Apgar score</u>
314	1	<u>DELMETRF</u> <u>Method of delivery</u>
315	1	<u>MEDRSK</u> <u>Medical risk factors</u>
316	1	<u>TOBUSE</u> <u>Tobacco use</u>
317	1	<u>ALCUSE</u> <u>Alcohol use</u>

1996
Detail Natality Record

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

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

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

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

1996
Detail Natality Record

Tape
Location

Field
Size

Item and Code Outline

350

1

POPSMAS

PMSA/MSA Population Size

Based on 1990 Census county population counts

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

Vital Statistics Geographic Code Outline for the United States

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

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

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

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

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

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

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

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

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

FIPS: For an explanation of FIPS codes, reference should be made to various National Bureau of Standards (NBS) publications.

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

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

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

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

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

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

Page 2

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

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

Page 3

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

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

Page 4

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

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

Page 5

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

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

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

Page 7

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

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

Page 8

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

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

Page 9

Vital Statistics Codes						FIPS Codes				Place
St	Cnty	P/MSA	M/NM	City	P/S Area Names	St	Cnty	P/S	P/MSA	
05					California	06				
	016				Kings, con.		031	3	0000	
				999	Balance of county					99999
	017	000	2		Lake		033	4	0000	
				046	Clearlake					13945
				999	Balance of county					99999
	018	000	2		Lassen		035	5	0000	
	019	168	1		Los Angeles		037	0	4480	
				001	Agoura Hills					00394
				004	Alhambra					00884
				008	Arcadia					02462
				011	Artesia					02896
				015	Azusa					03386
				017	Baldwin Park					03666
				020	Bell					04870
				021	Bellflower					04982
				022	Bell Gardens					04996
				026	Beverly Hills					06308
				030	Burbank					08954
				038	Carson					11530
				041	Cerritos					12552
				045	Claremont					13756
				050	Commerce					14974
				051	Compton					15044
				057	Covina					16742
				058	Cudahy					17498
				059	Culver City					17568
				068	Diamond Bar					19192
				071	Downey					19766
				072	Duarte					19990
				078	El Monte					22230
				080	El Segundo					22412
				093	Gardena					28168
				096	Glendale					30000
				097	Glendora					30014
				101	Hawaiian Gardens					32506
				102	Hawthorne					32548
				106	Hermosa Beach					33364
				112	Huntington Park					36056
				115	Inglewood					36546
				117	La Canada Flintridge					39003
				123	Lakewood					39892
				125	La Mirada					40032
				126	Lancaster					40130
				128	La Puente					40340
				131	La Verne					40830
				132	Lawndale					40886
				138	Lomita					42468
				140	Long Beach					43000
				143	Los Angeles					44000
				146	Lynwood					44574
				148	Manhattan Beach					45400
				153	Maywood					46492
				161	Monrovia					48648
				163	Montebello					48816
				165	Monterey Park					48914
				176	Norwalk					52526
				188	Palmdale					55156
				192	Palos Verdes Estates					55380
				194	Paramount					55618
				195	Pasadena					56000
				198	Pico Rivera					56924
				205	Pomona					58072
				210	Rancho Palos Verdes					59514
				214	Redondo Beach					60018
				223	Rosemead					62896
				234	San Dimas					66070
				235	San Fernando					66140
				237	San Gabriel					67042
				245	San Marino					68224
				253	Santa Clarita					69088
				255	Santa Fe Springs					69154
				257	Santa Monica					70000
				265	Sierra Madre					71806
				268	South El Monte					72996

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

Page 10

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

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

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

Page 12

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

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

Page 13

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

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

Page 14

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

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

Page 15

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

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

Page 16

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

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

Page 17

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

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

Page 18

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

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

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

Page 20

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

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

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

Page 22

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

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

Page 23

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

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

Page 24

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

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

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

Page 26

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

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

Page 27

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

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

Page 28

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

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

Page 29

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

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

Page 30

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

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

Page 31

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

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

Page 32

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

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

Page 33

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

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

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

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

Page 36

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

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

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

Page 38

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

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

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

Page 40

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

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

Page 41

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

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

Page 42

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

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

Page 43

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

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

Page 44

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

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

Page 45

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

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

Page 46

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

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

Page 47

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

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

Page 48

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

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

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

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

Page 51

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

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

Page 52

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

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

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

Page 54

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

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

Page 55

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S Area Names	St	Cnty	P/S	P/MSA Place
24					Minnesota	27			
	001	000	2	999	9 Aitkin		001	6	0000
	002	183	1		Anoka		003	3	5120
				002	6 Andover				01486
				003	6 Anoka				01720
				007	5 Blaine, part				06382
				017	6 Columbia Heights				12700
				018	4 Coon Rapids				13114
				029	5 Fridley				22814
				055	6 Ramsey				53026
				999	9 Balance of county				99999
	003	000	2	999	9 Becker		005	5	0000
	004	000	2		Beltrami		007	5	0000
				006	6 Bemidji				05068
				999	9 Balance of county				99999
	005	241	1		Benton		009	5	6980
				061	5 St. Cloud, part				56896
				999	9 Balance of county				99999
	006	000	2	999	9 Big Stone		011	6	0000
	007	000	2		Blue Earth		013	4	0000
				037	5 Mankato, part				39878
				049	6 North Mankato, part				47068
				999	9 Balance of county				99999
	008	000	2		Brown		015	5	0000
				047	6 New Ulm				46042
				999	9 Balance of county				99999
	009	000	2		Carlton		017	5	0000
				016	6 Cloquet				12160
				999	9 Balance of county				99999
	010	183	1		Carver		019	5	5120
				014	6 Chanhassen, part				10918
				015	6 Chaska				10972
				999	9 Balance of county				99999
	011	000	2	999	9 Cass		021	6	0000
	012	000	2	999	9 Chippewa		023	6	0000
	013	183	1	999	9 Chisago		025	5	5120
	014	090	1		Clay		027	4	2520
				043	5 Moorhead				43864
				999	9 Balance of county				99999
	015	000	2	999	9 Clearwater		029	6	0000
	016	000	2	999	9 Cook		031	6	0000
	017	000	2	999	9 Cottonwood		033	6	0000
	018	000	2		Crow Wing		035	5	0000
				009	6 Brainerd				07300
				999	9 Balance of county				99999
	019	183	1		Dakota		037	2	5120
				004	5 Apple Valley				01900
				012	4 Burnsville				08794
				022	5 Eagan				17288
				031	6 Hastings, part				27530
				035	6 Inver Grove Heights				31076
				036	6 Lakeville				35180
				048	6 Northfield, part				46924
				066	6 South St. Paul				61510
				069	6 West St. Paul				69718
				999	9 Balance of county				99999
	020	000	2	999	9 Dodge		039	6	0000
	021	000	2	999	9 Douglas		041	5	0000
	022	000	2	999	9 Faribault		043	6	0000
	023	000	2	999	9 Fillmore		045	6	0000
	024	000	2		Freeborn		047	5	0000
				001	6 Albert Lea				00694
				999	9 Balance of county				99999
	025	000	2		Goodhue		049	5	0000
				056	6 Red Wing				53620
				999	9 Balance of county				99999
	026	000	2	999	9 Grant		051	6	0000
	027	183	1		Hennepin		053	0	5120
				008	4 Bloomington				06616
				010	5 Brooklyn Center				07948
				011	4 Brooklyn Park				07966
				013	6 Champlin				10846
				014	6 Chanhassen, part				10918
				020	6 Crystal				14158
				023	5 Eden Prairie				18116

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

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

Page 57

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

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

Page 58

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

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

Page 59

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

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

Page 60

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

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

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

Page 62

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

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

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

Page 64

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

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

Page 65

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

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

Page 66

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

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

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

Page 68

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

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

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

Page 70

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

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

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

Page 72

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

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

Page 73

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

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

Page 74

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

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

Page 75

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

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

Page 76

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

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

Page 77

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

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

Page 78

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

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

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

Page 80

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

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

Page 81

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

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

Page 82

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

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

Page 83

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

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

Page 84

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

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

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

Page 86

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

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

Page 87

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

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

Page 88

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

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

Page 89

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

Vital Statistics Codes						FIPS Codes			
St Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
39					Pennsylvania	42			
	016	000	2	999	9		031	5	0000
	017	000	2	999	9		033	4	0000
	018	000	2	999	9		035	5	0000
	019	259	1				037	4	7560
				009	6				05888
				013	6				07128
				999	9				99999
	020	000	2				039	4	0000
				069	6				48360
				999	9				99999
	021	121	1				041	3	3240
				020	6				11272
				031	6				21680
				038	6				32296
				057	6				44832
				122	6				78736
				999	9				99999
	022	121	1				043	3	3240
				040	4				32800
				062	5				45056
				116	6				75528
				117	6				75672
				999	9				99999
	023	214	1				045	1	6160
				005	6				03336
				023	5				13208
				026	6				18152
				043	5				33144
				055	6				41440
				068	6				47616
				070	6				49136
				080	6				53112
				083	6				54224
				099	5				63268
				101	5				64800
				110	6				73040
				123	6				78776
				124	4				79000
				146	6				86968
				999	9				99999
	024	000	2	999	9		047	5	0000
	025	087	1				049	2	2360
				034	3				24000
				072	5				49600
				999	9				99999
	026	217	1				051	3	6280
				121	6				78528
				999	9				99999
	027	000	2	999	9		053	6	0000
	028	000	2				055	3	0000
				021	6				12536
				999	9				99999
	029	000	2	999	9		057	6	0000
	030	000	2	999	9		059	5	0000
	031	000	2	999	9		061	5	0000
	032	000	2				063	4	0000
				048	6				36816
				999	9				99999
	033	000	2	999	9		065	5	0000
	034	000	2	999	9		067	6	0000
	035	259	1				069	3	7560
				019	6				11232
				027	6				20352
				104	4				69000
				999	9				99999
	036	155	1				071	2	4000
				025	6				15384
				033	6				23832
				052	4				41216
				053	6				41224
				067	5				46896
				999	9				99999
	037	000	2				073	4	0000
				081	5				53368

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

Page 91

Vital Statistics Codes				FIPS Codes		Place
St Cnty	P/MSA	M/NM	City P/S	Area Names	St Cnty P/S P/MSA	
39				Pennsylvania	42	
037			999 9	Lawrence, con.	073 4 0000	99999
038	121	1	056 6	Balance of county	075 3 3240	42168
			999 9	Lebanon		99999
039	007	1	003 3	Balance of county	077 2 0240	02000
			011 4	Lehigh		06088
			032 6	Allentown		23584
			103 6	Bethlehem, part		67576
			108 6	Emmaus borough		72632
			140 6	Salisbury township		84528
			999 9	South Whitehall township		99999
040	259	1	044 6	Whitehall township	079 2 7560	33408
			051 6	Balance of county		39784
			079 6	Luzerne		52584
			143 5	Hazleton		85152
			999 9	Kingston borough		99999
041	303	1	145 5	Nanticoke	081 3 9140	85312
			999 9	Wilkes-Barre		99999
042	000	2	999 9	Balance of county	083 5 0000	00000
043	261	1	046 6	Lycoming	085 3 7610	34064
			106 6	Williamsport		69720
			999 9	Balance of county		99999
044	000	2	999 9	McKean	087 5 0000	00000
045	000	2	999 9	Mercer	089 4 0000	00000
046	214	1	046 6	Hermitage	091 1 6160	61600
			106 6	Sharon		00156
			999 9	Balance of county		12968
			001 4	Mifflin		21608
			022 5	Monroe		33120
			029 6	Montgomery		35808
			042 6	Abington township		41432
			047 6	Cheltenham township		44976
			054 6	East Norriton		45008
			060 4	Hatfield township		45080
			061 6	Horsham township		50640
			063 6	Lansdale borough		54656
			073 6	Lower Merion township		61664
			085 5	Lower Moreland township		62416
			096 6	Lower Providence township		73088
			097 6	Montgomery township		77152
			111 6	Norristown borough		79008
			119 6	Plymouth township		79056
			125 6	Pottstown borough		79136
			126 6	Springfield township		79176
			127 5	Towamencin township		83704
			128 5	Upper Dublin township		84624
			138 6	Upper Gwynedd township		84888
			141 6	Upper Merion township		99999
			142 6	Upper Moreland township		
			999 9	West Norriton		
			999 9	Whitemarsh township		
			999 9	Whitpain township		
			999 9	Balance of county		
047	000	2	999 9	Montour	093 6 0000	00000
048	007	1	011 4	Northampton	095 3 0240	06088
			012 6	Bethlehem, part		06096
			030 5	Bethlehem township		21648
			090 6	Easton		57672
			999 9	Palmer township		99999
049	000	2	115 6	Balance of county	097 4 0000	75304
			999 9	Northumberland		99999
050	121	1	999 9	Sunbury	099 5 3240	60000
051	214	1	092 0	Balance of county	101 0 6160	
052	199	1	999 9	Perry	103 5 5660	
053	000	2	999 9	Philadelphia, coext. with Philadelphia c	105 6 0000	
054	000	2	999 9	Pike	107 3 0000	
			098 6	Potter		62432
			999 9	Schuylkill		99999
			999 9	Pottsville		
			999 9	Balance of county		
055	000	2	999 9	Snyder	109 5 0000	
056	141	1	999 9	Somerset	111 4 3680	
057	000	2	999 9	Sullivan	113 6 0000	
058	000	2	999 9	Susquehanna	115 5 0000	

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

Page 92

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

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

Page 93

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

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

Page 94

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

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

Page 95

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

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

Page 96

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

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

Page 97

Effective with 1996 Data.											
Vital Statistics			Codes			FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
42						South Dakota	46				
	055	000	2	999	9	Sanborn		111	6	0000	
	056	000	2	999	9	Shannon		113	6	0000	
	057	000	2	999	9	Spink		115	6	0000	
	058	000	2	999	9	Stanley		117	6	0000	
	059	000	2	999	9	Sully		119	6	0000	
	060	000	2	999	9	Todd		121	6	0000	
	061	000	2	999	9	Tripp		123	6	0000	
	062	000	2	999	9	Turner		125	6	0000	
	063	000	2	999	9	Union		127	6	0000	
	064	000	2	999	9	Walworth		129	6	0000	
	065	000	2			Yankton		135	6	0000	
				010	6	Yankton					73060
				999	9	Balance of county					99999
	066	000	2	999	9	Ziebach		137	6	0000	

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

Page 98

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

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

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

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

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

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

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

Page 104

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

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

Page 105

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

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

Page 106

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

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

Page 107

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

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

Page 108

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

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

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

Page 110

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

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

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

Page 112

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

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

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

Page 114

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

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

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

Page 116

Effective with 1990 Data.											
Vital Statistics Codes				Codes		FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
49						West Virginia	54				
	048	000	2	999	9	Tyler		095	6	0000	
	049	000	2	999	9	Upshur		097	6	0000	
	050	128	1			Wayne		099	5	3400	
				006	4	Huntington, part					39460
				999	9	Balance of county					99999
	051	000	2	999	9	Webster		101	6	0000	
	052	000	2	999	9	Wetzel		103	6	0000	
	053	000	2	999	9	Wirt		105	6	0000	
	054	211	1			Wood		107	4	6020	
				010	5	Parkersburg					62140
				013	6	Vienna					83500
				999	9	Balance of county					99999
	055	000	2	999	9	Wyoming		109	5	0000	

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

Page 117

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

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

Page 118

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

Effective With 1990 Data.							FIPS Codes				
Vital Statistics Codes				Area Names			FIPS Codes				Place
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	067	182	1			Washington		131	4	5080	
				017	6	Germantown village					28875
				035	1	Milwaukee, part					53000
				059	6	West Bend					85350
				999	9	Balance of county					99999
	068	182	1			Waukesha		133	2	5080	
				006	5	Brookfield					10025
				031	5	Menomonee Falls village					51000
				035	1	Milwaukee, part					53000
				037	6	Muskego					55275
				039	5	New Berlin					56375
				041	6	Oconomowoc					59250
				055	4	Waukesha					84250
				999	9	Balance of county					99999
	069	000	2	999	9	Waupaca		135	5	0000	
	070	000	2	999	9	Waushara		137	6	0000	
	071	013	1			Winnebago		139	3	0460	
				002	4	Appleton, part					02375
				030	6	Menasha, part					50825
				038	6	Neenah					55750
				043	4	Oshkosh					60500
				999	9	Balance of county					99999
	072	000	2			Wood		141	4	0000	
				029	6	Marshfield, part					49675
				062	6	Wisconsin Rapids					88200
				999	9	Balance of county					99999

Vital Statistics Codes					Effective with 1990 Data.					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area	Names	St	Cnty	P/S	P/MSA	Place		
51						Wyoming		56						
	001	000	2			Albany			001	5	0000			
				006	5	Laramie						45050		
				999	9	Balance of county						99999		
	002	000	2	999	9	Big Horn			003	6	0000			
	003	000	2			Campbell			005	5	0000			
				004	6	Gillette						31855		
				999	9	Balance of county						99999		
	004	000	2	999	9	Carbon			007	6	0000			
	005	000	2	999	9	Converse			009	6	0000			
	006	000	2	999	9	Crook			011	6	0000			
	007	000	2	999	9	Fremont			013	5	0000			
	008	000	2	999	9	Goshen			015	6	0000			
	009	000	2	999	9	Hot Springs			017	6	0000			
	010	000	2	999	9	Johnson			019	6	0000			
	011	054	1			Laramie			021	4	1580			
				002	4	Cheyenne						13900		
				999	9	Balance of county						99999		
	012	000	2	999	9	Lincoln			023	6	0000			
	013	046	1			Natrona			025	4	1350			
				001	5	Casper						13150		
				999	9	Balance of county						99999		
	014	000	2	999	9	Niobrara			027	6	0000			
	015	000	2	999	9	Park			029	6	0000			
	016	000	2	999	9	Platte			031	6	0000			
	017	000	2			Sheridan			033	6	0000			
				008	6	Sheridan						69845		
				999	9	Balance of county						99999		
	018	000	2	999	9	Sublette			035	6	0000			
	019	000	2			Sweetwater			037	5	0000			
				005	6	Green River						33740		
				007	6	Rock Springs						67235		
				999	9	Balance of county						99999		
	020	000	2	999	9	Teton			039	6	0000			
	021	000	2			Uinta			041	6	0000			
				003	6	Evanston						25620		
				999	9	Balance of county						99999		
	022	000	2	999	9	Washakie			043	6	0000			
	023	000	2	999	9	Weston			045	6	0000			

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

Page 121

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

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

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

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

Puerto Rico:

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

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

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

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

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

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

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

Virgin Islands:

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

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

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

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

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

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

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

Guam:

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

County (Cnty): None are identified in Guam

P/MSA: None are identified in Guam.

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

City or Place: None are identified in Guam.

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

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

Vital Statistics Geographic Code Outline For Puerto Rico,
Virgin Islands and Guam Effective With 1994 Data

Page 1

Vital Statistics Codes					Area Names	FIPS Codes			
St	Cnty	P/MSA	M/NM	City		St	Cnty	P/MSA	Place
01	000	999	9	000	Alabama	01	000	0000	00000
02	000	999	9	000	Alaska	02	000	0000	00000
03	000	999	9	000	Arizona	04	000	0000	00000
04	000	999	9	000	Arkansas	05	000	0000	00000
05	000	999	9	000	California	06	000	0000	00000
06	000	999	9	000	Colorado	08	000	0000	00000
07	000	999	9	000	Connecticut	09	000	0000	00000
08	000	999	9	000	Delaware	10	000	0000	00000
09	000	999	9	000	District of Columbia	11	000	0000	00000
10	000	999	9	000	Florida	12	000	0000	00000
11	000	999	9	000	Georgia	13	000	0000	00000
12	000	999	9	000	Hawaii	15	000	0000	00000
13	000	999	9	000	Idaho	16	000	0000	00000
14	000	999	9	000	Illinois	17	000	0000	00000
15	000	999	9	000	Indiana	18	000	0000	00000
16	000	999	9	000	Iowa	19	000	0000	00000
17	000	999	9	000	Kansas	20	000	0000	00000
18	000	999	9	000	Kentucky	21	000	0000	00000
19	000	999	9	000	Louisiana	22	000	0000	00000
20	000	999	9	000	Maine	23	000	0000	00000
21	000	999	9	000	Maryland	24	000	0000	00000
22	000	999	9	000	Massachusetts	25	000	0000	00000
23	000	999	9	000	Michigan	26	000	0000	00000
24	000	999	9	000	Minnesota	27	000	0000	00000
25	000	999	9	000	Mississippi	28	000	0000	00000
26	000	999	9	000	Missouri	29	000	0000	00000
27	000	999	9	000	Montana	30	000	0000	00000
28	000	999	9	000	Nebraska	31	000	0000	00000
29	000	999	9	000	Nevada	32	000	0000	00000
30	000	999	9	000	New Hampshire	33	000	0000	00000
31	000	999	9	000	New Jersey	34	000	0000	00000
32	000	999	9	000	New Mexico	35	000	0000	00000
33	000	999	9	000	New York	36	000	0000	00000
34	000	999	9	000	North Carolina	37	000	0000	00000
35	000	999	9	000	North Dakota	38	000	0000	00000
36	000	999	9	000	Ohio	39	000	0000	00000
37	000	999	9	000	Oklahoma	40	000	0000	00000
38	000	999	9	000	Oregon	41	000	0000	00000

Vital Statistics Geographic Code Outline For Puerto Rico,
Virgin Islands and Guam Effective With 1994 Data

Page 2

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

Vital Statistics Codes				Area Names	FIPS Codes		
St	Cnty	P/MSA	M/NM		St	Cnty	P/MSA Place
52				Puerto Rico	72		
001	000	2	999	Adjuntas	001	0000	
002	001	1	999	Aguada	003	0060	
003	001	1	999	Aguadilla	005	0060	
004	006	1	999	Aguas Buenas	007	7440	
005	000	2	999	Aibonito	009	0000	
006	004	1	999	Anasco	011	4840	
007	002	1	999	Arecibo	013	0470	
008	000	2	999	Arroyo	015	0000	
009	006	1	999	Barceloneta	017	7440	
010	000	2	999	Barranquitas	019	0000	
011	006	1	999	Bayamon	021	7440	
012	004	1	999	Cabo Rojo	023	4840	
013	003	1	999	Caguas	025	1310	
014	002	1	999	Camuy	027	0470	
015	006	1	999	Canovanas	029	7440	
016	006	1	999	Carolina	031	7440	
017	006	1	999	Catano	033	7440	
018	003	1	999	Cayey	035	1310	
019	006	1	999	Ceiba	037	7440	
020	000	2	999	Ciales	039	0000	
021	003	1	999	Cidra	041	1310	
022	000	2	999	Coamo	043	0000	
023	006	1	999	Comerio	045	7440	
024	006	1	999	Corozal	047	7440	
025	000	2	999	Culebra	049	0000	
026	006	1	999	Dorado	051	7440	
027	006	1	999	Fajardo	053	7440	
028	006	1	999	Florida	054	7440	
029	000	2	999	Guanica	055	0000	
030	000	2	999	Guayama	057	0000	
031	005	1	999	Guayanilla	059	6360	
032	006	1	999	Guaynabo	061	7440	
033	003	1	999	Gurabo	063	1310	
034	002	1	999	Hatillo	065	0470	
035	004	1	999	Hormigueros	067	4840	
036	006	1	999	Humacao	069	7440	
037	000	2	999	Isabela	071	0000	
038	000	2	999	Jayuya	073	0000	
039	005	1	999	Juana Diaz	075	6360	
040	006	1	999	Juncos	077	7440	
041	000	2	999	Lajas	079	0000	
042	000	2	999	Lares	081	0000	
043	000	2	999	Las Marias	083	0000	
044	006	1	999	Las Piedras	085	7440	
045	006	1	999	Loiza	087	7440	
046	006	1	999	Luquillo	089	7440	
047	006	1	999	Manati	091	7440	
048	000	2	999	Maricao	093	0000	
049	000	2	999	Maunabo	095	0000	
050	004	1	999	Mayaguez	097	4840	
051	001	1	999	Moca	099	0060	
052	006	1	999	Morovis	101	7440	
053	006	1	999	Naguabo	103	7440	
054	006	1	999	Naranjito	105	7440	
055	000	2	999	Orocovis	107	0000	
056	000	2	999	Patillas	109	0000	
057	005	1	999	Penuelas	111	6360	
058	005	1	999	Ponce	113	6360	
059	000	2	999	Quebradillas	115	0000	
060	000	2	999	Rincon	117	0000	
061	006	1	999	Rio Grande	119	7440	
062	004	1	999	Sabana Grande	121	4840	
063	000	2	999	Salinas	123	0000	
064	004	1	999	San German	125	4840	
065	006	1	999	San Juan	127	7440	
066	003	1	999	San Lorenzo	129	1310	
067	000	2	999	San Sebastian	131	0000	
068	000	2	999	Santa Isabel	133	0000	
069	006	1	999	Toa Alta	135	7440	
070	006	1	999	Toa Baja	137	7440	
071	006	1	999	Trujillo Alto	139	7440	
072	000	2	999	Utuado	141	0000	
073	006	1	999	Vega Alta	143	7440	
074	006	1	999	Vega Baja	145	7440	

Vital Statistics Geographic Code Outline For Puerto Rico,
Virgin Islands and Guam Effective With 1994 Data

Page 4

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

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 2
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 4
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 6
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 7
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 8
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 10
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 11
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

Vital Statistics Codes			FIPS Codes		Cnty
P/MSA	State	County	P/MSA	State	
112	23		3000	26	
		003			005
		041			081
		061			121
		070			139
113	27		3040	30	
		007			013
114	06		3060	08	
		062			123
115	50		3080	55	
		005			009
116	34		3120	37	
		001			001
		029			057
		030			059
		034			067
		041			081
		076			151
		085			169
		099			197
117	34		3150	37	
		074			147
118	41		3160	45	
		004			007
		011			021
		023			045
		039			077
		042			083
119	21		3180	24	
		022			043
120	36		3200	39	
		009			017
121	39		3240	42	
		021			041
		022			043
		038			075
		050			099
122	07		3283	09	
		002			003
		004			007
		007			013
123	25		3285	28	
		018			035
		037			073
124	34		3290	37	
		002			003
		012			023
		014			027
		018			035

Primary and Metropolitan Statistical Areas Established in 1990 Page 12
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 13
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 14
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 15
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 16
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 17
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 18
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Page 19

Primary and Metropolitan Statistical Areas Established in 1990
Effective with 1994 and Adapted for Use by DVS
United States
Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 20
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 21
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 22
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 24
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 25
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 26
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 27
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

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

Primary and Metropolitan Statistical Areas Established in 1990 Page 28
 Effective with 1994 and Adapted for Use by DVS
 United States
 Puerto Rico

Vital Statistics Codes			FIPS Codes	
P/MSA	State	County	P/MSA	State Cnty
001	52		0060	72
		002		003
		003		005
		051		099
002	52		0470	72
		007		013
		014		027
		034		065
003	52		1310	72
		013		025
		018		035
		021		041
		033		063
		066		129
004	52		4840	72
		006		011
		012		023
		035		067
		050		097
		062		121
		064		125
005	52		6360	72
		031		059
		039		075
		057		111
		058		113
		076		149
		078		153
006	52		7440	72
		004		007
		009		017
		011		021
		015		029
		016		031
		017		033
		019		037
		023		045
		024		047
		026		051
		027		053
		028		054
		032		061
		036		069
		040		077
		044		085
		045		087
		046		089
		047		091
		052		101
		053		103
		054		105
		061		119
		065		127
		069		135
		070		137
		071		139
		073		143
		074		145
		077		151

1996 Addendum to "Technical Appendix" of Vital Statistics of the United States, 1994" - Volume I, Natality

Expanded race categories

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

Congenital Anomalies for New York State

New York State now reports Spina Bifida.

Births in Puerto Rico by race of mother and father

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

Percent Completeness

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

Residence and Occurrence Data

See table 1 for counts of births by occurrence and residence for every State and the District of Columbia.

1995 Addendum to "Technical Appendix" of Vital Statistics of the United States, 1994" - Volume I, Natality

Apgar Score

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

Education of Father

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

Birth Interval

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

Marital Status

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

Section 4. Technical Appendix

	Page
Definition of live birth	1
History of birth-registration area	1
Sources of data	2
Natality statistics	2
Certificate of Live Birth	4
Classification of data	5
Classification by occurrence and residence	6
Geographic classification	7
Race or national origin	9
Age of mother	13
Age of father	15
Live-birth order and parity	16
Date of last live birth	16
Educational attainment	17
Marital status	18
Place of delivery and attendant at birth	21
Birthweight	23
Period of gestation	24
Month of pregnancy prenatal care began	26

Number of prenatal visits	26
Apgar score	27
Tobacco and alcohol use during pregnancy	27
Weight gained during pregnancy	28
Medical risk factors for this pregnancy	28
Obstetric procedures	30
Complications of labor and/or delivery	31
Abnormal conditions of the newborn	33
Congenital anomalies of child	34
Method of delivery	36
Hispanic parentage	37
Quality of data	38
Completeness of registration	38
Discontinuation of adjustment for underregistration, 1960--	39
Completeness of reporting	40
Quality control procedures	40
Small frequencies	41
Computation of rates and other measures	43
Population bases	44
Net census undercounts and overcounts	49
Cohort fertility tables	50
Age-sex-adjusted birth rates	51
Total fertility rate	52

Intrinsic vital rates	52
Seasonal adjustment of rates	53
Computation of percents, medians, and means	53
References	54

Definition of live birth

Every product of conception that gives a sign of life after birth, regardless of the length of the pregnancy, is considered a live birth. This concept is included in the definition set forth by the World Health Organization (1):

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

This definition distinguishes in precise terms a live birth from a fetal death (see the section on fetal deaths in the Technical Appendix of volume II, Vital Statistics of the United States). In the interest of comparable natality statistics, both the Statistical Commission of the United Nations and the National Center for Health Statistics (NCHS) have adopted this definition (2,3).

History of birth-registration area

The national birth-registration area was proposed in 1850 and established in 1915. By 1933 all 48 States and the District of Columbia were participating in the registration system. The organized territories of Hawaii and Alaska were admitted in 1929 and 1950, respectively; data from these areas were prepared separately until they became States--Alaska in 1959 and Hawaii in 1960. Currently the birth-registration system of the United States covers the 50 States, the District of Columbia, the independent registration area of New York City, Puerto Rico, the U.S.

Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands. However, in the statistical tabulations, "United States" refers only to the aggregate of the 50 States (including New York City) and the District of Columbia.

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

Because of the growth of the area for which data have been collected and tabulated, a national series of geographically comparable data before 1933 can be obtained only by estimation. Annual estimates of births have been prepared by P. K. Whelpton for 1909-34 (4). These estimates include adjustments for underregistration and for States that were not part of the birth-registration area before 1933.

Sources of data

Natality statistics

Since 1985 natality statistics for all States and the District of Columbia have been based on information from the total file of records. The information is received on computer data tapes coded by the States and provided to NCHS through the Vital Statistics Cooperative Program. NCHS receives these tapes from the registration offices of all States, the District of Columbia, and New York City. Information for Puerto Rico is also received on computer tapes through the Vital Statistics Cooperative Program. Information for the Virgin Islands and Guam is obtained

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

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

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

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

Standard certificate of live birth

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

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

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

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

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

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

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

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

Classification of data

One of the principal values of vital statistics data is realized through the presentation of rates

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

The general rules used to classify geographic and personal items for live births are set forth in "Vital Statistics Classification and Coding Instructions for Live Birth Records, 1994," NCHS Instruction Manual, Part 3a. The classification of certain important items is discussed in the following pages.

Classification by occurrence and residence

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

For the total United States the tabulations by place of residence and by place of occurrence are not identical. Births to nonresidents of the United States are included in data by place of occurrence but excluded from data by place of residence, as previously indicated.

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

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

Geographic classification

The rules followed in the classification of geographic areas for live births are contained in the instruction manual mentioned previously. The geographic code structure for 1994 is given in another manual, "Vital Records Geographic Classification, 1982," NCHS Instruction Manual , Part 8.

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

Metropolitan statistical areas--The metropolitan statistical areas and primary metropolitan statistical areas (MSA's and PMSA's) used in this report are those established by the U.S. Office of Management and Budget as of April 1, 1990, and used by the U.S. Bureau of the Census (5) except in the New England States.

Except in the New England States, an MSA has either a city with a population of at least 50,000, or a Bureau of the Census urbanized area of at least 50,000 and a total MSA population of at least 100,000. A PMSA consists of a large urbanized county, or cluster of counties, that demonstrates very strong internal economic and social links and has a population over 1 million. When PMSA's are defined, the large area of which they are component parts is designated a Consolidated Metropolitan Statistical Area (CMSA) (6).

In the New England States the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of MSA's and PMSA's. NCHS cannot, however, use this classification for these States because its data are not coded to identify all towns. Instead, the New England County Metropolitan Areas (NECMA's) are used. These areas are established by the U.S. Office of Management and Budget (7) and are made up of county units.

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

Population-size groups—Beginning in 1994 vital statistics data for cities and certain other urban places have been classified according to the population enumerated in the 1990 Census of Population. Data are available for individual cities and other urban places of 10,000 or more population. Data for the remaining areas not separately identified are shown in the tables under the heading ``Balance of area" or ``Balance of county." Classification of areas for 1982-93 was determined by the population enumerated in the 1980 Census of Population. As a result of changes in the enumerated population between 1980 and 1990, some urban places identified in previous reports are no longer included, and a number of other urban places have been added.

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

- Each town in New England, New York, and Wisconsin and each township in Michigan, New Jersey, and Pennsylvania that had no incorporated municipality as a subdivision and had either 25,000 inhabitants or more, or a population of 10,000 to 25,000 and a density of 1,000 persons or more per square mile.
- Each county in States other than those indicated above that had no incorporated municipality within its boundary and had a density of 1,000 persons or more per square mile. (Arlington County, Virginia, is the only county classified as urban under this rule.)
- Each place in Hawaii with 10,000 or more population. (There are no incorporated cities in Hawaii.)

Race or national origin

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

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

A second factor has been the increasing incidence of interracial parentage. In 1994, 4.4

percent of births were to parents of different races, compared with just 1.7 percent in 1974. About half of these births were to white mothers and fathers of another race. There have been two major consequences of the increasing interracial parentage. One is the effect on birth rates by race. The number of white births under the former procedures has been arbitrarily limited to infants whose parents were both white (or one parent if the race of only one parent was reported). At the same time, the number of births of other races has been arbitrarily increased to include all births to white mothers and fathers of other races. Thus, prior to 1989, if race of mother had been used, birth rates per 1,000 white women in a given age group would have been higher, while comparable rates for black women and women of other races would have been lower. The other consequence of increasing interracial parentage is the impact on the racial differential in various characteristics of births, particularly in cases where there is generally a large racial disparity, such as the incidence of low birthweight. In this instance, the racial differential is larger when the data are tabulated by race of mother rather than by race of child. The same effect has been noted for characteristics such as nonmarital childbearing, preterm births, late or no prenatal care, and low educational attainment of mother.

The third factor influencing the change is the growing proportion of births with race of father not stated, 16 percent in 1994 compared with 9 percent in 1974. This reflects the increase in the proportion of births to unmarried women; in many cases no information is reported on the father. These births were already assigned the race of the mother on a *de facto* basis. Tabulating births by race of mother provides a more uniform approach, rather than a necessarily arbitrary combination of parental races.

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

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

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

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

Race or national origin not stated--If the race of the mother is not defined or not identifiable with one of the categories used in the classification and the race of the father is known, the race of the father is assigned to the mother. Where information for both parents is missing, the race of the mother is allocated electronically according to the specific race of the mother on the preceding record with a known race of mother. Data for both parents were missing for only 0.5 percent of birth certificates for 1994. Nearly all statistics by race or national origin for the United States as a whole in 1962 and 1963 are affected by a lack of information for New Jersey, which did not report the race of the parents in those years. Birth rates by race for those years are computed on a population base that excluded New Jersey. For the method of estimating the U.S. population by age, sex, and race excluding New Jersey in 1962 and 1963, see page 4-8 in the Technical Appendix of volume I, Vital Statistics of the United States, 1963.

Beginning in 1992, NCHS contracted with seven States with the highest API populations to code births to additional API subgroups. The API subgroups include births to Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and other API women. The seven States included in this reporting area are: California, Hawaii, Illinois, New Jersey, New York, Texas, and Washington. At least two-thirds of the U.S. population of each of these additional API groups lived in the seven-State reporting area(8). The data are available on the detailed natality tapes and CD-ROMs beginning with the 1992 data year. An analytic report based on the 1992 data year is also available upon request(9).

Age of mother

Beginning in 1989 an item on the birth certificate asks for "Date of Birth." In previous years,

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

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

The 1990 Census of Population derived age in completed years as of April 1, 1990, from the responses to questions on age at last birthday and month and year of birth, with the latter given preference. In the 1960, 1970, and the 1980 Census of Population, age was also derived from month and year of birth. ``Age in completed years" was asked in censuses before 1960. This was nearly the equivalent of the former birth certificate question, which the 1950 test of matched birth and census records confirms by showing a high degree of consistency in reporting age in these two sources (10).

Median age of mother--Median age is the value that divides an age distribution into two equal parts, one-half of the values being less and one-half being greater. Median ages of mothers for 1960 to the present have been computed from birth rates for 5-year age groups rather than from birth frequencies. This method eliminates the effects of changes in the age composition of the childbearing population over time. Changes in the median ages from year to year can thus be attributed solely to changes in the age-specific birth rates.

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

Age of father

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

Live-birth order and parity

Live-birth order and parity classifications shown in this volume refer to the total number of live births the mother has had including the 1994 birth. Fetal deaths are excluded.

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

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

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

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

Date of last live birth

The date of last live birth was added to the U.S. Standard Certificate of Live Birth in 1968 for the purpose of providing information on child spacing. The interval since the last live birth is the difference between the date of last live birth and the date of present birth. For an interval to be computed, both the month and year of the last live birth must be valid. This interval is computed only for events to mothers who have had at least one previous live birth.

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

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

Educational attainment

Data on the educational attainment of both parents were collected beginning in 1968 and tabulated for publication in 1969 for the first time.

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

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

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

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

Marital status

Beginning with 1980 data, national estimates of births to unmarried women are derived from two sources. In 1994 marital status was reported directly on the birth certificates of 45 States and the District of Columbia. In the remaining five States, which lack such an item (California, Connecticut, Michigan, Nevada, and New York), marital status is inferred from a comparison of the child's and parents' surnames. This procedure represents a substantial departure from the method used before 1980 to prepare national estimates of births to unmarried women, which assumed that the incidence of births to unmarried women in States with no direct question on marital status was the same as the incidence in reporting States in the same geographic division.

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

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

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

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

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

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

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

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

Rates for 1940 and 1950 are based on decennial census counts. Rates for 1955-94 are based on a smoothed series of population estimates (12). Because of sampling error, the original U.S. Bureau of the Census population estimates by marital status fluctuate erratically from year to year; therefore, they have been smoothed so that the rates do not show similar variations. These rates differ

from those published in volumes of Vital Statistics of the United States before 1969, which were based on the original estimates provided annually by the U.S. Bureau of the Census. Birth rates by marital status for 1971-79 have been revised and differ from rates published before 1980 in volumes of Vital Statistics of the United States (see "Computation of rates and other measures").

Place of delivery and attendant at birth

The 1989 revision of the U.S. Standard Certificate of Live Birth included separate categories for freestanding birthing centers, the mother's residence, and clinic or doctor's office as the place of birth. Prior to 1989, place of birth was classified simply as either "In hospital" or "Not in hospital." Births occurring in hospitals, institutions, clinics, centers, or homes were included in the category "In hospital." In this context the word "homes" does not refer to the mother's residence but to an institution, such as a home for unmarried women. Birthing centers were included in either category, depending on each State's assessment of the facility. Beginning in 1989 births occurring in clinics and in birthing centers not attached to a hospital are classified as "Not in hospital." This change in classification may account in part for the lower proportion of "In hospital" births compared with previous years. (The change in classification of clinics should have minor impact because comparatively few births occur in these facilities, but the effect of any change in classification of freestanding birthing centers is unknown.)

Beginning in 1975 the attendant at birth and place of delivery items were coded independently, primarily to permit the identification of the person in attendance at hospital deliveries. The 1989 certificate includes separate classifications for "M.D." (Doctor of Medicine), "D.O." (Doctor of Osteopathy), "C.N.M." (certified nurse midwife), "Other midwife," and "Other" attendants. In earlier

certificates births attended by certified nurse midwives were grouped with those attended by lay midwives. The new certificate also facilitates the identification of home births, births in freestanding birthing centers, and births in clinics or physician offices.

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

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

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

midwives.

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

Birthweight

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

Less than 500 grams = 1 lb 1 oz or less

500-999 grams = 1 lb 2 oz-2 lb 3 oz

1,000-1,499 grams = 2 lb 4 oz-3 lb 4 oz

1,500-1,999 grams = 3 lb 5 oz-4 lb 6 oz

2,000-2,499 grams = 4 lb 7 oz-5 lb 8 oz

2,500-2,999 grams = 5 lb 9 oz-6 lb 9 oz

3,000-3,499 grams = 6 lb 10 oz-7 lb 11 oz

3,500-3,999 grams = 7 lb 12 oz-8 lb 13 oz

4,000-4,499 grams = 8 lb 14 oz-9 lb 14 oz

4,500-4,999 grams = 9 lb 15 oz-11 lb 0 oz

5,000 grams or more = 11 lb 1 oz or more

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

After data classified by pounds and ounces are converted to grams, median weights are computed and rounded before publication. To establish the continuity of class intervals needed to convert pounds and ounces to grams, the end points of these intervals are assumed to be half an ounce less at the lower end and half an ounce more at the upper end. For example, 2 lb 4 oz-3 lb 4 oz is interpreted as 2 lb 3 1/2 oz-3 lb 4 1/2 oz.

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

Period of gestation

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

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

The 1989 revision of the U.S. Standard Certificate of Live Birth included a new item, ``clinical estimate of gestation," that is being compared with length of gestation computed from the LMP date when the latter appears to be inconsistent with birthweight. This is done for normal-weight births of apparently short gestations and very low-birthweight births reported to be full term. The clinical estimate also was used if the date of the LMP was not reported. The period of gestation for 4.1 percent of the births in 1994 was based on the clinical estimate of gestation. For 96 percent of these records the clinical estimate was used because the LMP date was not reported. For the remaining 4 percent the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-computed gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used if it was within 5 weeks of the clinical estimate and birthweight was reclassified as ``not stated." If the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, gestation and birthweight were classified as "not stated" if the LMP-computed gestation was not within 5 weeks of the clinical estimate. These changes result in only a very small discontinuity in the data. For further information on the use of the clinical estimate of gestation see ``Computer Edits for Natality Data, Effective 1989," NCHS Instruction Manual , Part 12, pages 34-36.

Before 1981 the period of gestation was computed only when there was a valid month, day,

and year of LMP. However, length of gestation could not be determined from a substantial number of live-birth certificates each year because the day of LMP was missing. Beginning in 1981 weeks of gestation have been imputed for records with missing day of LMP when there is a valid month and year. Each such record is assigned the gestational period in weeks of the preceding record that has a complete LMP date with the same computed months of gestation and the same 500-gram birthweight interval. The effect of the imputation procedure is to increase slightly the proportion of preterm births and to lower the proportion of births at 39, 40, 41, and 42 weeks of gestation. A more complete discussion of this procedure and its implications is presented in a previous report (13).

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

Month of pregnancy prenatal care began

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

Number of prenatal visits

Tabulations of the number of prenatal visits were presented for the first time in 1972. Beginning in 1989 these data were collected from the birth certificates of all States. Percent

distributions and the median number of prenatal visits exclude births to mothers who had no prenatal care.

Apgar score

One- and 5-minute Apgar scores were added to the U.S. Standard Certificate of Live Birth in 1978 to evaluate the condition of the newborn infant at 1 and 5 minutes after birth. The Apgar score is a useful measure of the need for resuscitation and a predictor of the infant's chances of surviving the first year of life. It is a summary measure of the infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these factors is given a score of 0, 1, or 2; the sum of these 5 values is the Apgar score, which ranges from 0 to 10. A score of 10 is optimum, and a low score raises some doubts about the survival and subsequent health of the infant. In 1994 the reporting area for the 1- and 5-minute Apgar scores was comprised of 48 States and the District of Columbia, accounting for 78 percent of all births in the United States. California and Texas did not have information on Apgar scores on their birth certificate.

Tobacco and alcohol use during pregnancy

The checkbox format allows for classification of a mother as a smoker or drinker during pregnancy and for reporting the average number of cigarettes smoked per day or drinks consumed per week. When smoking and/or drinking status is not reported or is inconsistent with the quantity of cigarettes or drinks reported, the status is changed to be consistent with the amount reported. For example, if the drinking status is reported as "no" but one or more average drinks a week are reported, the mother is classified as a drinker. If the number of cigarettes smoked per day is reported

as one or more, the mother is considered a smoker. When one (or a fraction of one) drink a week is recorded, the mother is classified as a drinker. For records on which the number of drinks or number of cigarettes is reported as a span, for example, 10-15, the lower number is used. The number of drinkers and number of drinks reported on birth certificates are believed to underestimate actual alcohol use.

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

Weight gained during pregnancy

Weight gain is reported in pounds. A loss of weight is reported as zero gain. Computations of median weight gain were based on ungrouped data. This item was included on the certificates of 49 States and the District of Columbia; California did not report this information. This reporting area excluding California accounted for 86 percent of all births in the United States in 1994.

Medical risk factors for this pregnancy

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

The format allows for the designation of more than one risk factor and includes a choice of

“None.” Accordingly, if the item is not completed, it is classified as “Not stated.”

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the Association for Vital Records and Health Statistics (14).

Definitions of medical terms

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

Cardiac disease--Disease of the heart.

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

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

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

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

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

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

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

Eclampsia--The occurrence of convulsions and/or coma unrelated to other cerebral conditions in

women with signs and symptoms of pre-eclampsia.

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

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

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

Renal disease--Kidney disease.

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

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

Obstetric procedures

This item includes six specific obstetric procedures. Birth records with "Obstetric procedures" left blank are considered "not stated." Data on obstetric procedures were reported by all States and the District of Columbia.

The following definitions are adapted and abbreviated from a set of definitions compiled by

a committee of Federal and State health statistics officials for the National Association for Public Health Statistics and Information Systems (NAPHSIS), formerly the Association for Vital Records and Health Statistics (14).

Definitions of medical terms

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

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

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

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

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

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

Complications of labor and/or delivery

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

All States and the District of Columbia included this item on their birth certificates. However, not all of the complications were reported by all reporting States (see table A).

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

Definitions of medical terms

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

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

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

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

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

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

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

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

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

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

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

malpresentation.

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

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

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

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

Abnormal conditions of the newborn

This item provides information on eight specific abnormal conditions. More than one abnormal condition may be reported for a given birth or ``None" may be selected. If the item is not completed it is tabulated as ``not stated." This item was included on the birth certificates of all States and the District of Columbia in 1994. However, several States did not include all conditions (see table A).

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

Definitions of medical terms

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

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

Fetal alcohol syndrome--A syndrome of altered prenatal growth and development occurring in infants

born of women who consumed excessive amounts of alcohol during pregnancy.

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

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

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

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

Seizures--A seizure of any etiology.

Congenital anomalies of child

The data provided in this item relate to 21 specific anomalies or anomaly groups. It is well documented that congenital anomalies, except for the most visible and most severe, are incompletely reported on birth certificates. The completeness of reporting specific anomalies depends on how easily they are recognized in the short time between birth and birth registration. Forty-nine States and the District of Columbia included this item on their birth certificates (New Mexico and New York City did not). This reporting area included 96 percent of all births in the United States in 1994. The format allows for the identification of more than one anomaly including a choice of "None" should no anomalies be evident. The category "not stated" includes birth records for which the item is not completed.

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

Definitions of medical terms

Anencephalus--Absence of the cerebral hemispheres.

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

Hydrocephalus--Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.

Microcephalus--A significantly small head.

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

Heart malformations--Congenital anomalies of the heart.

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

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

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

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

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

Malformed genitalia--Congenital anomalies of the reproductive organs.

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

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

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

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

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

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

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

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

Other chromosomal anomalies--All other chromosomal aberrations.

Method of delivery

The birth certificate contains a checkbox item on method of delivery. The choices include vaginal delivery, with the additional options of forceps, vacuum, and vaginal birth after previous cesarean section (VBAC), as well as a choice of primary or repeat cesarean. When only forceps,

vacuum, or VBAC is checked, a vaginal birth is assumed. In 1994 this information was collected from the birth certificates of all States and the District of Columbia.

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

Hispanic parentage

The 1989 revision of the U.S. Standard Certificate of Live Births includes items to identify the Hispanic origin of the parents. Concurrent with the 1978 revision of the U.S. Certificate of Live Birth, NCHS recommended that items to identify the Hispanic or ethnic origin of the newborn's parents be included on birth certificates and has tabulated and evaluated these data from the reporting States. All 50 States and the District of Columbia reported Hispanic origin of the parents for 1994.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (1.1 percent in 1994) were actually to Hispanic mothers. The population with

origin not stated was imputed. The effect on the rates is believed to be small.

Quality of data

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

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

Completeness of registration

An estimated 99 percent of all births occurring in the United States in 1994 were registered; for white births registration was 99.4 percent complete and for all other births, 98.6 percent complete. These estimates are based on the results of the 1964-68 test of birth-registration completeness according to place of delivery (in or out of hospital) and race and on the 1989 proportions of births in these categories. The primary purpose of the test was to obtain current measures of registration completeness for births in and out of hospital by race on a national basis. Data for States were not available as they had been from the previous birth-registration tests in 1940 and 1950. A detailed discussion of the method and results of the 1964-68 birth-registration test is available (15).

The 1964-68 test has provided an opportunity to revise the estimates of birth-registration completeness for the years since the previous test in 1950 to reflect the improvement in registration. This has been done using registration completeness figures from the two tests by place of delivery and race. Estimates of registration completeness for four groups (based on place of delivery and race) for 1951-65 were computed by interpolation between the test results. (It was assumed that the data from the more recent test are for 1966, the midpoint of the test period.) The results of the 1964-68 test are assumed to prevail for 1966 and later years. These estimates were used with the proportions of births registered in these categories to obtain revised numbers of births adjusted for underregistration for each year. The overall percent of birth-registration completeness by race was then computed.

Data adjusted for underregistration for 1951-59 have been revised to be consistent with the 1964-68 test results and differ slightly from data shown in annual reports for years before 1969. For these years the published number of births and birth rates for both racial groups have been revised slightly downward because the 1964-68 test indicated that previous adjustments to registered births were slightly inflated. Because registration completeness figures by age of mother and by live-birth order are not available from the 1964-68 test, it must be assumed that the relationships among these variables have not changed since 1950.

Discontinuation of adjustment for underregistration, 1960--

Adjustment for underregistration of births was discontinued in 1960 when birth registration for the United States was estimated to be 99.1 percent complete. This removed a bias introduced into age-specific rates when adjusted births classified by age were used. Age-specific rates are calculated by dividing the number of births to an age group of mothers by the population of women in that age

group. Tests have shown that population figures are likely to be understated through census undercounts; these errors compensate for underregistration of births. Adjustment for underregistration of births, therefore, removes the compensating effect of underenumeration, biasing the age-specific rates more than when uncorrected birth and population data are used. (For further details see page 4-11 in the Technical Appendix of volume I, Vital Statistics of the United States, 1963.)

The age-specific rates used in the cohort fertility tables are an exception to the above statement. These rates are computed from births corrected for underregistration and population estimates adjusted for underenumeration and misstatement of age.

Adjusted birth and population estimates are used for the cohort rates because they are an integral part of a series of rates, estimated with a consistent methodology. It was considered desirable to maintain consistency with respect to the cohort rates, even though it means that they will not be precisely comparable with other rates shown for 5-year age groups.

Completeness of reporting

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

Quality control procedures

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

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

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

Small frequencies

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

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

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

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

1. The "true" number of events lies between

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

2. The "true" rate lies between

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

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

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

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

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

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

Computation of rates and other measures

Population bases

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

The resident population of the birth- and death-registration States for 1900-32 and for the United States for 1900-94 is shown in table 4-1. In addition, the population including Armed Forces abroad is shown for the United States. Table B shows the sources for these populations.

In both the 1980 and 1990 censuses, a substantial number of persons did not specify a racial group that could be classified as any of the White, Black, American Indian, Eskimo, Aleut, Asian, or Pacific Islander categories on the census form (16). In 1980 the number of persons of "other" race was 6,758,319; in 1990 it was 9,804,847. In both censuses, the large majority of these persons were of Hispanic origin (based on response to a separate question on the form), and many wrote in their Hispanic origin, or Hispanic origin type (for example, Mexican, Puerto Rican) as their race. In both 1980 and 1990, persons of unspecified race were allocated to one of the four tabulated racial groups (white, black, American Indian, Asian or Pacific Islander), based on their response to the Hispanic origin question. These four race categories conform with the 1979 edition of OMB Directive 15 which mandates that race data must contain at least these 4 categories. These categories are also more consistent with the race categories in vital statistics.

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

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

The means by which respondent's age was determined were fundamentally different in the two censuses; therefore, the problems that necessitated the modification were different. In 1980 respondents reported year of birth and quarter of birth (within year) on the census form. When census

results were tabulated, persons born in the first quarter of the year (before April 1) had age equal to 1980 minus year of birth, while persons born in the last three quarters had age equal to 1979 minus year of birth.

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

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

Populations for 1993--The population of the United States by age, sex, race and Hispanic origin are tabulated from Census file RESO793. Washington: U.S. Department of Commerce. 1995.

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

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

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

Population estimates for 1981-89--Birth rates for 1981-89 (except those for cohorts of women) have been revised, based on revised population estimates that are consistent with the 1990 census levels, and thus may differ from rates published in volumes of Vital Statistics of the United States for these years. The 1990 census counted approximately 1.5 million fewer persons than had earlier been estimated for April 1, 1990. The revised estimates for the United States by age, race, and sex were published by the U.S. Bureau of the Census in Current Population Reports, Series P-25, Number 1095. Population estimates by month are based on data published in Current Population Reports,

Series P-25, Number 1094 and unpublished data. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census.

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

Population estimates for 1971-79--Birth rates for 1971-79 (except those for cohorts of women) have been revised, based on revised population estimates that are consistent with the 1980 census levels, and thus may differ from rates published in volumes of Vital Statistics of the United States for these years. The 1980 census counted approximately 5.5 million more persons than had earlier been estimated for April 1, 1980 (17). The revised estimates for the United States by age, race, and sex were published by the U.S. Bureau of the Census in Current Population Reports, Series P-25, Number 917. Population estimates by month are based on data published in Current Population Reports, Series P-25, Number 899. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census.

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

Population Reports, Series P-25, Numbers 321 and 324 and may differ slightly from rates published in those years.

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

Net census undercounts and overcounts

The U.S. Bureau of the Census has conducted extensive research to evaluate the coverage of the U.S. population (including undercount, overcount, and misstatement of age, race, and sex) in the last five decennial censuses 1950, 1960, 1970, 1980, and 1990. These studies provide estimates of the national population, that were not enumerated or overenumerated in the respective censuses, by age, race, and sex (17-19). The report for 1990 (20) includes estimates of net underenumeration and overenumeration for age, sex, and racial subgroups of the national population, modified for race consistency with previous population counts as described in the section "Population bases."

These studies indicate that there are differential coverages in the censuses among the population subgroups; that is, some age, race, and sex groups are more completely enumerated than others. To the extent that these estimates of overcounts or undercounts are valid, that they are substantial, and that they vary among subgroups and geographic areas, census miscounts can have consequences for vital statistics measures (18). However, the effects of undercounts in the census are reduced to the extent that there is underregistration of births. If these two factors are of equal

magnitude, rates based on unadjusted populations are more accurate than those based on adjusted populations because the births have not been adjusted for underregistration.

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

If adjustments were made for persons who were not counted in the census of population, the size of the denominators would generally increase and the rates would be smaller than without an adjustment. Adjusted rates for 1990 can be computed by multiplying the reported rates by ratios of the 1990 census-level population adjusted for the estimated net census miscounts, which are shown in table C. A ratio of less than 1.0 indicates a net census undercount and would result in a corresponding decrease in the rate. A ratio in excess of 1.0 indicates a net census overcount and would result in a corresponding increase in the rate.

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

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

Cohort fertility tables

The various fertility measures shown for cohorts of women are computed from births adjusted

for underregistration and population estimates corrected for underenumeration and misstatement of age. Data published after 1974 use revised population estimates prepared by the U.S. Bureau of the Census and have been expanded to include data for the two major racial groups. Heuser has prepared a detailed description of the methods used in deriving these measures as well as more detailed data for earlier years (21).

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

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

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

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

Age-sex-adjusted birth rates

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

Total fertility rate

The total fertility rate is the sum of the birth rates by age of mother (in 5-year age groups) multiplied by 5. It is an age-adjusted rate because it is based on the assumption that there are the same number of women in each age group. The rate of 2,036 in 1994, for example, means that if a hypothetical group of 1,000 women were to have the same birth rates in each age group that were observed in the actual childbearing population in 1994, they would have a total of 2,036 children by the time they reached the end of the reproductive period (taken here to be age 50 years), assuming that all of the women survived to that age.

Intrinsic vital rates

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

Seasonal adjustment of rates

The seasonally adjusted birth and fertility rates are computed from the X-11 variant of Census Method II (23). This method of seasonal adjustment used since 1964 differs slightly from the U.S. Bureau of Labor Statistics (BLS) Seasonal Factor Method, which was used for Vital Statistics of the United States, 1964. The fundamental technique is the same in that it is an adaptation of the ratio-to-moving-average method. Before 1964 the method of seasonal adjustment was based on the X-9 variant and other variants of Census Method II. A comparison of the Census Method II with the BLS Seasonal Factor Method shows the differences in the seasonal patterns of births to be negligible.

Computation of percents, medians, and means

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

References

1. World Health Organization. Official records; no 28 (Third World Health Assembly 3.6). Geneva: World Health Organization, 16-17. 1950.
2. National Office of Vital Statistics. International recommendations on definitions of live birth and fetal deaths. Washington: Public Health Service. 1950.
3. Statistical Office of the United Nations. Principles for vital statistics system: Recommendations for the improvement and standardization of vital statistics. Doc. ST/STAT/SER.M/19. New York: United Nations. 1953.
4. National Office of Vital Statistics. Births and birth rates in the entire United States, 1909 to 1948. Vital Statistics--Special reports; vol 33 no 8. Washington: Public Health Service. 1950.
5. U.S. Bureau of the Census. Population of metropolitan areas and component geography: 1990 and 1980 (6-30-90 definitions). 1990 CPH-L-10. Washington: U.S. Department of Commerce. 1991.
6. U.S. Department of Commerce. Metropolitan statistical area classification. Federal Register; vol 45 no 2. Washington: U.S. Government Printing Office, 956-62. 1980.
7. U.S. Office of Management and Budget. Standard metropolitan statistical areas. Rev. ed. Washington: U.S. Government Printing Office, 89-90. 1975.
8. U.S. Bureau of the Census. 1990 Census of Population. General population characteristics; (1990 CP-1-1). Washington: U.S. Department of Commerce. 1992.
9. Martin JA. Birth characteristics for Asian or Pacific Islander subgroups, 1992. Monthly vital statistics report; vol 43 no 10, suppl. Hyattsville, Maryland: National Center for Health Statistics.

1995.

10. Schachter J. Matched record comparison of birth certificate and census information in the United States, 1950. *Vital statistics—Special Reports*; vol 47 no12. Washington: Public Health Service. 1962.

11. Office of the State Registrar. Michigan Department of Public Health. Unpublished tabulation. 1995.

12. Ventura SJ. Births to unmarried mothers, United States, 1980-92. *National Center for Health Statistics. Vital Health Stat* 21(53). 1995.

13. Taffel S, Johnson D, Heuser R. A method for imputing length of gestation on birth certificates. *National Center for Health Statistics. Vital Health Stat* 2(93). 1982.

14. Brockert JE, Stockbauer JW, Senner JW, et al. Recommended standard medical definitions for the U.S. Standard Certificate of Live Birth, 1989 revision. Paper presented at annual meeting of the Association for the Vital Record and Health Statistics. June 1990.

15. U.S. Bureau of the Census. Test of birth-registration completeness, 1964 to 1968. 1970 census of population and housing; PHC (E)-2. Evaluation and Research Program. Washington: U.S. Department of Commerce. 1973.

16. U.S. Bureau of the Census. U.S. population estimates, by age, sex, race, and Hispanic origin, 1980-91. *Current population reports*; series P-25, no 1095. Washington: U.S. Department of Commerce. 1993.

17. U.S. Bureau of the Census. Coverage of the national population in the 1980 census by age, sex, and race. Preliminary estimates by demographic analysis. *Current population reports*; series P-23, no 115. Washington: U.S. Department of Commerce. 1982.

18. U.S. Bureau of the Census. Estimates of coverage of the population by sex, race, and

age--Demographic analysis. 1970 census of population and housing; PHC (E)-4. Evaluation and Research Program. Washington: U.S. Department of Commerce. 1974.

19. U.S. Bureau of the Census. Developmental estimates of the coverage of the population of States in the 1970 census-demographic analysis. Current population reports; series P-23, no 65. Washington: U.S. Department of Commerce. 1977.

20. Robinson JG, Ahmed B, Das Gupta P, et al. Estimation of population coverage in the 1990 United States census based on demographic analysis. JASA 88(423):1061-71. 1993.

21. Heuser R. Fertility tables for birth cohorts by color: United States, 1917-73. Washington: National Center for Health Statistics. 1976.

22. Barclay GW. Techniques of population analysis. New York: John Wiley & Sons, Inc., 216-22. 1958.

23. U.S. Bureau of the Census. The X-11 variant of the Census Method II Seasonal Adjustment Program. Technical paper; no 15, 1967 rev. Washington: U.S. Department of Commerce. 1967.

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

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic Origin		Educational attainment	Live-birth order	Length of Gestation	Month prenatal care began	Number of pre-natal visits
							Mother	Father					
Total of reporting areas 1/	3,891,494	0.0	0.1	0.3	14.8	14.9	1.5	15.6	1.4	0.6	1.0	2.6	3.5
Alabama	60,488	-	-	0.1	25.5	25.6	.0	25.5	0.4	0.0	0.1	0.7	1.0
Alaska	10,037	-	.0	.2	12.1	13.8	.2	12.8	1.3	.2	.3	1.3	1.1
Arizona	75,322	.0	.1	.3	25.5	29.0	.2	29.1	1.7	.1	.1	1.1	2.7
Arkansas	36,371	.0	.1	.5	20.0	20.3	.1	20.2	1.0	.3	.4	2.0	2.5
California	539,433	.0	.4	.0	5.8	3.8	.4	3.4	1.2	.1	2/ 4.8	1.2	2.7
Colorado	55,807	.0	-	.2	11.1	11.8	.6	12.3	1.1	.4	.0	1.0	1.3
Connecticut	44,469	.0	.0	.3	9.5	11.1	4.8	13.6	5.5	11.6	4.0	7.9	10.9
Delaware	10,155	-	.0	.3	24.9	29.9	.2	29.7	.3	.1	.1	1.0	1.1
District of Columbia	8,390	-	-	1.4	51.6	57.7	1.0	51.3	7.5	1.3	.6	16.2	15.7
Florida	189,392	.0	-	.1	18.5	18.6	.1	20.4	.4	.1	.1	1.1	1.8
Georgia	114,043	.0	.0	.3	18.9	19.2	.9	19.5	1.1	.3	.1	1.8	1.4
Hawaii	18,401	.0	.0	.1	10.4	10.5	.1	9.4	.3	.1	5.8	2.9	3.2
Idaho	18,625	-	.0	.2	8.2	10.8	1.4	11.3	5.6	1.6	1.4	3.8	11.4
Illinois	183,180	.0	.0	.1	16.6	17.4	.1	17.5	.7	.1	.2	1.8	2.1
Indiana	83,513	.0	.1	.2	12.9	12.9	.3	12.9	1.3	.7	.1	2.3	3.8
Iowa	37,139	.0	.0	.1	13.4	14.8	1.3	15.6	1.9	.1	.1	1.6	5.2
Kansas	36,651	-	.0	.0	11.2	11.6	.9	12.5	.3	.0	.1	.4	1.1
Kentucky	52,706	.0	.0	.0	21.5	22.3	.1	29.4	.3	.4	.1	1.0	1.0
Louisiana	64,204	.1	.1	.0	24.8	25.0	.1	24.9	.1	.1	.2	.3	.5
Maine	13,774	-	.0	-	11.6	15.0	3.0	17.6	.4	.1	.1	.3	.8
Maryland	71,513	.0	.0	.9	8.7	10.2	1.4	7.0	3.8	5.3	1.3	10.8	16.9
Massachusetts	80,276	.0	.1	.4	8.8	8.2	1.2	7.3	1.1	1.3	1.0	1.7	2.1
Michigan	133,387	.0	.1	.1	17.8	19.8	4.8	23.5	1.1	1.0	.1	3.6	5.0
Minnesota	63,700	.1	.1	.0	9.2	11.9	6.3	16.7	2.2	.3	1.3	4.5	3.8
Mississippi	40,987	.0	.0	.1	26.1	25.8	.1	25.9	.2	.1	.2	.6	.6
Missouri	71,832	.0	-	.2	18.7	20.8	.1	20.8	.9	.3	.2	1.9	2.8
Montana	10,856	-	.7	.0	9.5	11.1	3.1	13.9	.2	.1	.1	.5	.4
Nebraska	23,286	-	-	.0	12.4	12.9	1.9	14.2	.1	.0	.0	.3	.5
Nevada	26,125	-	.1	.6	23.0	23.8	.5	22.6	2.1	.7	.2	2.7	5.4
New Hampshire	14,520	-	.0	.0	7.7	8.7	2.5	10.3	.5	.1	.3	2.7	1.7
New Jersey	114,306	.1	.1	.4	9.7	11.6	1.0	10.7	2.2	.1	.2	3.9	5.0
New Mexico	27,228	-	-	1.3	26.1	25.6	.0	25.6	2.9	.6	.2	3.7	4.1
New York	263,963	.1	.2	.6	18.6	19.0	10.4	27.0	2.1	.4	.3	7.6	5.5
North Carolina	104,470	.0	.0	.0	18.0	18.0	.0	18.0	.2	.1	.1	.5	.6
North Dakota	8,347	-	-	-	9.2	10.4	1.7	12.0	.2	.0	.0	.3	.3
Ohio	151,692	.0	.0	.3	12.9	13.7	.2	11.0	.4	.0	.0	1.0	1.6
Oklahoma	46,193	-	.0	.0	17.5	19.3	.1	19.1	4.0	.6	4.7	10.1	11.0
Oregon	43,658	-	.8	.1	11.4	4.3	.1	4.9	.8	.0	.0	.3	.4
Pennsylvania	148,338	.0	.0	.7	6.1	3.1	.3	2.6	2.0	.2	.2	2.2	2.6
Rhode Island	12,652	-	-	.2	14.6	15.1	12.2	23.5	3.0	2.2	.7	8.5	9.1
South Carolina	51,117	.0	.0	.2	29.0	28.9	.1	28.9	4.1	.1	.2	1.2	1.2
South Dakota	10,473	-	-	2.0	12.4	12.6	.1	12.9	.5	.0	.1	.7	.9
Tennessee	73,754	.0	.0	.1	16.3	16.5	.1	16.4	.2	.1	.2	1.4	1.7
Texas	330,406	.0	.0	.4	16.0	15.9	.2	15.8	1.1	1.3	.6	2.5	5.1
Utah	42,087	.0	.0	.1	9.2	9.9	.3	8.1	.7	.2	.1	.7	.8
Vermont	6,767	.0	.0	.1	4.4	5.6	4.4	8.5	2.7	.1	.1	2.8	.7
Virginia	92,354	.0	.0	.1	18.7	19.3	.1	18.8	.5	.2	.2	.8	3.0
Washington	77,945	.0	.0	.6	12.8	12.0	3.1	12.8	9.0	1.8	1.5	7.6	12.2
West Virgin	20,750	.0	.0	.1	13.4	16.8	.1	16.7	.4	.2	.3	3.3	2.7
Wisconsin	67,106	.0	.0	.0	27.1	27.1	.0	27.1	.1	.0	.1	.2	.3
Wyoming	6,286	-	-	.0	13.5	13.7	.1	13.6	.4	.1	.0	.5	.6
Puerto Rico	63,141	-	.0	-	2.5	3.1	...	...	.2	.0	.1	.2	.1
Virgin Islands	1,905	-	-	-	28.7	30.1	4.1	33.2	1.9	.6	.6	3.4	4.8
Guam	4,254	.1	.1	.6	27.4	56.3	.6	27.8	2.8	1.0	3.9	5.3	5.3

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

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

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

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

3/ Alabama does not report renal disease.

4/ Kansas does not report Rh sensitization.

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

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

7/ Delaware does not report ultrasound.

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

9/ New Jersey does not report other excessive bleeding.

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

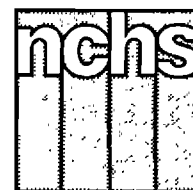
11/ Texas does not report anesthetic complications and fetal distress.

12/ Wisconsin does not report fetal alcohol syndrome.

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

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

Monthly Vital Statistics Report



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

Report of Final Natality Statistics, 1996

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

Objectives—This report presents 1996 data on U.S. births according to a wide variety of characteristics. Data are presented for maternal demographic characteristics including age, live-birth order, race, Hispanic origin, marital status, and educational attainment; maternal lifestyle and health characteristics (medical risk factors, weight gain, tobacco and alcohol use); medical care utilization by pregnant women (prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth, and method of delivery); and infant health characteristics (period of gestation, birthweight, Apgar score, abnormal conditions, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's State of residence are shown including teenage birth rates and total fertility rates, as well as data on month and day of birth, sex ratio, and age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

Methods—Descriptive tabulations of data reported on the birth certificates of the 3.9 million births that occurred in 1996 are presented.

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

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

Highlights

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

Introduction

This report presents detailed data on numbers and characteristics of births in 1996, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and change in this country and in individual States. Data on maternal characteristics affecting birth outcome such as weight gain, tobacco and alcohol use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of low birthweight and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

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

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

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

Birth data by race and Hispanic origin are presented in several different ways in the tables. Race and Hispanic origin are reported independently on the birth certificate. In tabulations by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race (data for fathers are tabulated according to the father's race). In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because as noted above, the vast majority of births to Hispanic women are reported as white. In these tabulations, data for non-Hispanic persons are classified according to the race of the mother, because there are substantial differences in fertility and maternal and infant health between Hispanic and non-Hispanic white women.

Data for Hispanic subgroups are shown in most cases for five groups: Mexican, Puerto Rican, Cuban, Central

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

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

Methods

Data shown in this report are based on 100 percent of the birth certificates registered in all States and the District of Columbia. More than 99 percent of births occurring in this country are registered (3). Tables showing data by State also provide separate information for Puerto Rico, Virgin Islands, and Guam; however, data for these areas are not included in totals for the United States.

In this report, tabulations of births beginning with 1980 data are by race of mother; for years prior to 1980, tabulations are by race of child. Details of the differences in tabulation procedure are described in the Technical notes. Race and ethnicity differentials in birth rates and characteristics of births reflect a variety of factors, including differences in income, educational levels, access to health care, and health insurance. Text references to black births and black mothers or white births and white mothers are used interchangeably.

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

Information on births by age, race, and marital status of mother is imputed if it is not reported on the birth certificate. These items were not reported for less than 1 percent of U.S. births in 1996. (See Technical notes for additional information.) Other maternal and infant characteristics are not imputed. Levels of nonreporting vary substantially by specific item. Table I in the Technical notes provides information on the percent of records with missing information for each item by State for 1996.

Demographic characteristics

Births and birth rates

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

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

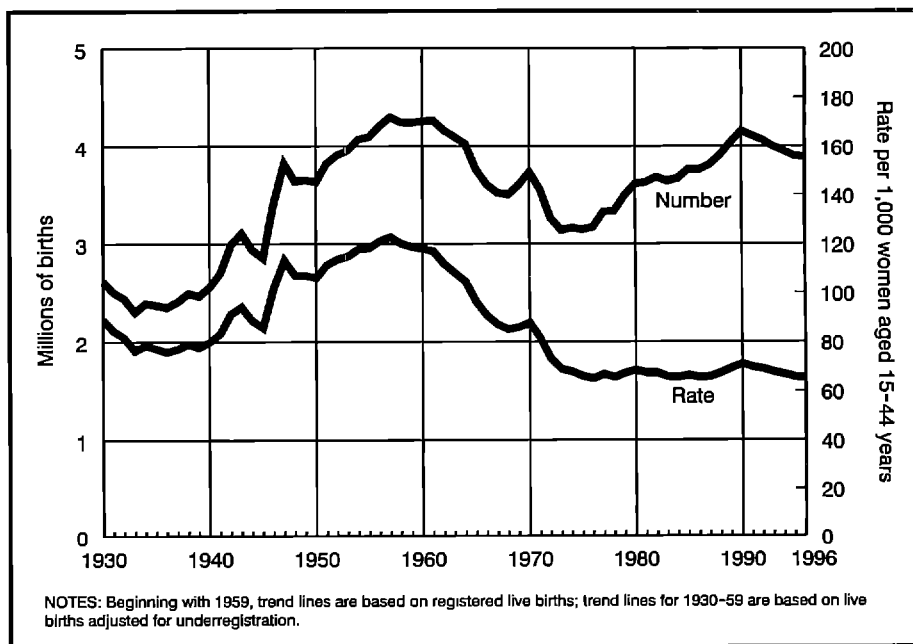


Figure 1. Live births and fertility rates: United States, 1930-96

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

Age of mother

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

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

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

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

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

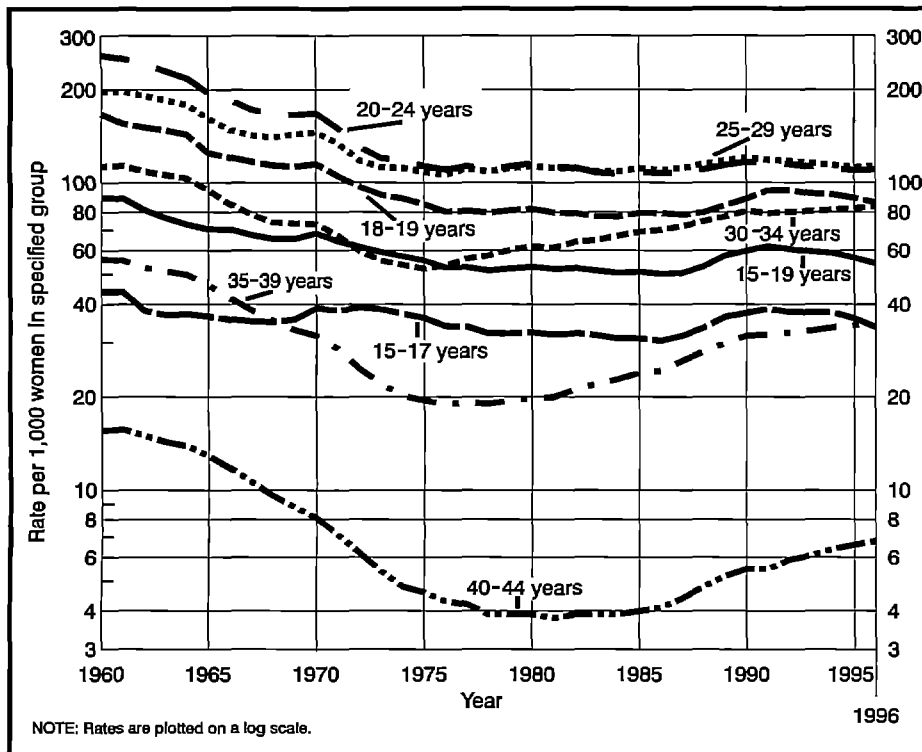


Figure 2. Birth rates by age of mother: United States, 1960-96

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

[Rates per 1,000 women in specified group]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Live-birth order

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

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

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

Race and Hispanic origin

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

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

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

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

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

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

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

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

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

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

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

Total fertility rate

The total fertility rate (TFR) indicates the number of births that a hypothetical group of 1,000 women would have if they experienced throughout their childbearing years the age-specific birth rates observed in a given year. This measure shows the potential impact of current fertility patterns on completed family size. Because it is computed from age-specific birth rates, the TFR is age-adjusted; it assumes the same number of women in each age group.

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

The U.S. total fertility rate remains below "replacement" level (2,100), the rate at which a given generation can exactly replace itself. The TFR has been below "replacement" since 1971 (2,266.5). TFR's vary substantially among racial and Hispanic origin groups. In 1996, as in recent years, the TFR was above "replacement" for Mexican (3,353.5), "other" Hispanic (2,762.0), non-Hispanic black (2,204.0), and Puerto Rican women (2,163.0). Rates were below replacement for American Indian (2,030.0), API (1,907.5), non-Hispanic white (1,795.5), and Cuban women (1,774.5) (tables 4, 9, 13, and 14). Between 1995 and 1996, TFR's increased up to 4 percent for Mexican, Cuban, and

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

Births and birth rates by State

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

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

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

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

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

Birth rates for teenagers

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

Total fertility rate

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

Sex ratio

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

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

Month of birth

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

Day of the week of birth

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

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

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

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

Births to unmarried women

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

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

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

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

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

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

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

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

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

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

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

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

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

Year	Births to unmarried women			Birth rate for married women ³
	Number	Rate ¹	Percent ²	
1996	1,260,306	44.8	32.4	83.7
1995	1,253,976	45.1	32.2	83.7
1994	1,289,592	46.9	32.6	83.8
1993	1,240,172	45.3	31.0	86.8
1992	1,224,876	45.2	30.1	89.0
1991	1,213,769	45.2	29.5	89.9
1990	1,165,384	43.8	28.0	93.2
1989	1,094,169	41.6	27.1	91.9
1988	1,005,299	38.5	25.7	90.8
1987	933,013	36.0	24.5	90.0
1986	878,477	34.2	23.4	90.7
1985	828,174	32.8	22.0	93.3
1980	665,747	29.4	18.4	97.0

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

²Percent of all births to unmarried women.

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

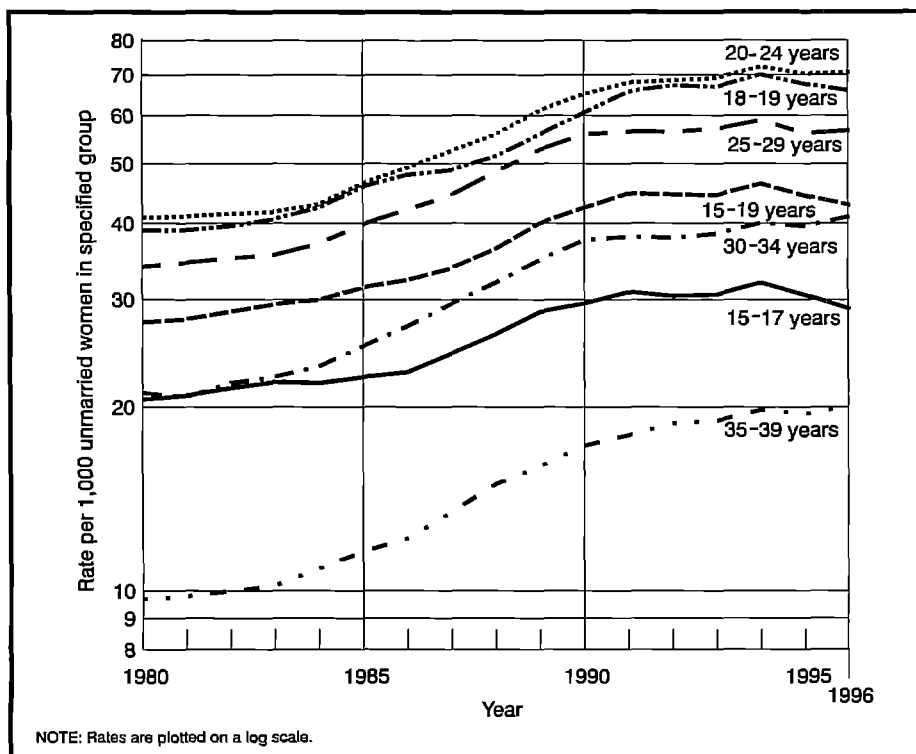


Figure 3. Birth rates for unmarried women, by age of mother: United States, 1980-96

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

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

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

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

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

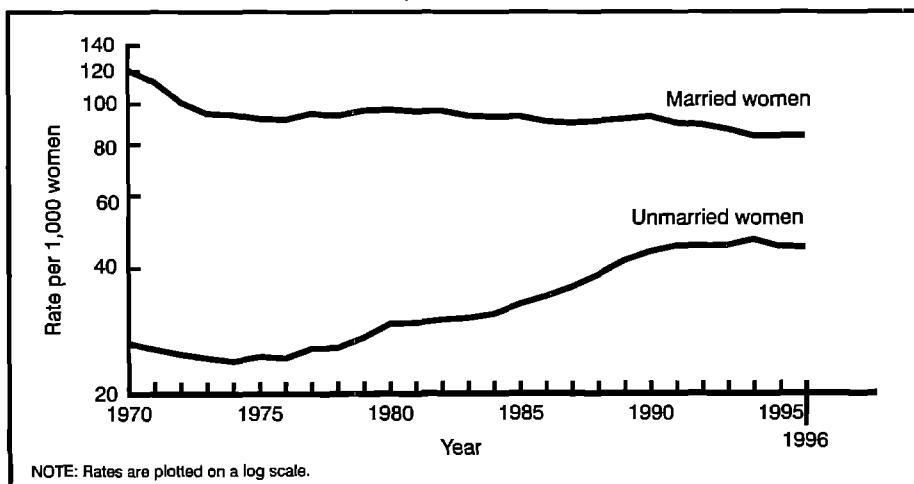


Figure 4. Birth rates by marital status of mother: United States, 1970-96

Age of father

The birth rate per 1,000 men aged 15–54 years declined for the sixth straight year in 1996 to 51.1 (table 20). This rate fell by 13 percent between 1990 and 1996, following a 7 percent increase during 1986–90. Information on age of father is often missing on birth certificates of children born to unmarried women, greatly inflating the number of “not stated” in all tabulations by age of father. In computing birth rates by age of father, births with age of father not stated are distributed in the same proportions as births with known age within each 5-year age classification of the mother. This procedure avoids the distortion in rates that would occur if the relationship between age of mother and age of father were disregarded. The procedures for computing birth rates by age of father are described in more detail in the Technical notes.

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

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

Educational attainment

The educational attainment of women who give birth is important because higher educational attainment is associated with more timely receipt of prenatal care and fewer lifestyle and health behaviors during pregnancy that are detrimental to birth outcome (discussed in later sections). Higher educational attainment has also been linked to delayed childbearing and, over time, to smaller families (28,29).

Data from the birth certificate show that the educational attainment of women who gave birth increased substantially over the last few decades, partly reflecting the increases in educational attainment of all women during the time period

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

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

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

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

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

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

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

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

²Persons of Hispanic origin may be of any race.

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

Maternal lifestyle and health characteristics

Weight gain

Maternal weight gain is one of the components in the complex relationship between lifestyle characteristics of the mother and the development of the fetus (32). The total weight gained by the mother during pregnancy has been shown to have an independent, positive relationship with the weight of the newborn (33). Inadequate maternal weight gain along with low prepregnancy weight have been associated with intrauterine growth retardation and low birthweight (34,35).

In 1990 the National Academy of Sciences published weight-gain guidelines that varied according to women's body mass index (BMI), which is calculated from her prepregnancy weight and height. The guidelines recommend that women who are underweight (low BMI) gain 28–40 pounds, those who are of normal weight (average BMI) gain 25–35 pounds, those who are overweight (high BMI), 15–25 pounds, and obese women, not more than 15 pounds (36).

Beginning with 1989, information on maternal weight gain has been collected from the birth certificate, but information on the mother's prepregnancy weight and height is not collected. Therefore, it is not possible to determine whether the weight gain was within the recommendations for the mother's BMI. Differences between subgroups in maternal weight gain may reflect differences in the proportion of mothers who gained outside the recommended range but could also be the result of group differences in height and prepregnancy weight. Given the limitations of vital statistics data, the primary focus of this section is on the median weight gain (for descriptive purposes) and on weight gains that are for most women considered inadequate (less than 16 pounds).

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

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

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

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

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

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

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

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

Medical risk factors

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

Sixteen medical risk factors affecting pregnancy are separately identified on the

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

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

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

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

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

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

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

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

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

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

Tobacco use during pregnancy

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

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

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

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

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

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

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

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

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

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

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

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

Alcohol use during pregnancy

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

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

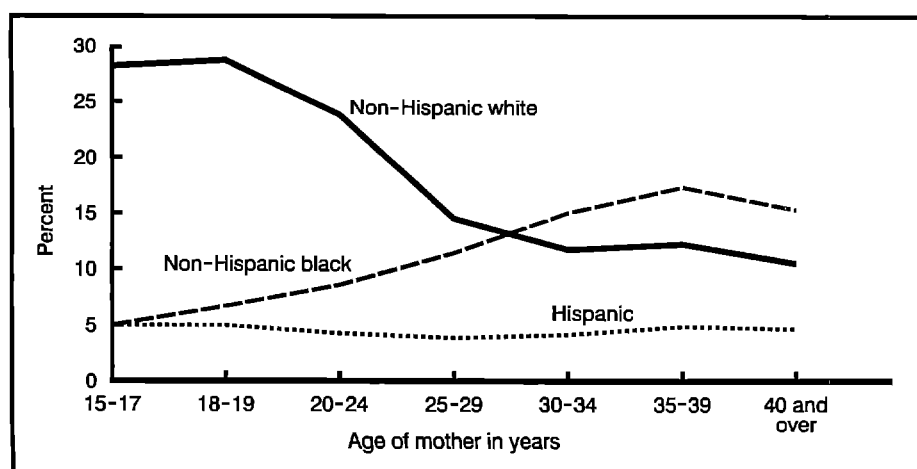


Figure 5. Percent of mothers who smoked during pregnancy by age and race/Hispanic origin of mother: United States, 1996

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

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

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

Medical services utilization

Prenatal care

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

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

Year	All races ¹	Non-Hispanic		Hispanic ²
		White	Black	
1996	81.9	87.4	71.5	72.2
1995	81.3	87.1	70.4	70.8
1994	80.2	86.5	68.3	68.9
1993	78.9	85.6	66.1	66.6
1992	77.7	84.9	64.0	64.2
1991	76.2	83.7	61.9	61.0
1990	75.8	83.3	60.7	60.2
1989	75.5	82.7	59.9	59.5
1985	76.2	...	...	...
1980	76.3	...	...	...

... Data not available.

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

²Persons of Hispanic origin may be of any race.

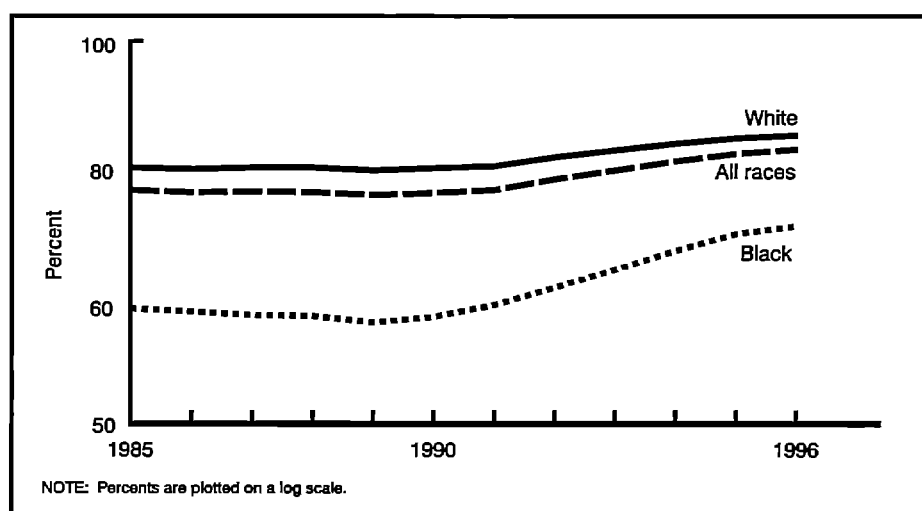


Figure 6. Percent of mothers with first trimester prenatal care by race of mother: United States, 1985–96

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Obstetric procedures

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

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

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

	Intensive use	Adequate	Intermediate	Inadequate	No care
1996	29.3	43.8	17.1	8.7	1.1
1995	28.8	43.9	17.2	8.9	1.2

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

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

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

Complications of labor and/or delivery

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

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

Attendant at birth and place of delivery

More than 9 out of 10 births in 1996 (92.9 percent) were attended by a physician in a hospital, making this arrangement by far the most typical (table 38). However, the percent of births with this arrangement was slightly lower in 1996 than in 1995 (93.4 percent) and has declined from 98.4 percent in 1975. For physician-attended births, only about 4 percent were by doctors of osteopathy (DO's) and the remaining were attended by doctors of medicine (MD's). Although small, the number and percent of births attended by DO's has grown steadily since 1989, the first year data on DO's were available from the birth certificate. The percent of births attended by midwives increased sharply between 1975

(1.0 percent) and 1996 (6.5 percent). About 95 percent of midwife-attended births in 1996 were by certified nurse midwives (CNM's), and the remaining 5 percent by "other" midwives. CNM-attended deliveries were almost universally in hospitals (96 percent) whereas deliveries by "other" midwives were most likely in a residence (61 percent). A recent article presents more detailed information on the trends and characteristics of midwife-attended births (64).

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

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

Method of delivery

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

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

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

American Indian and Asian and Pacific Islander (API) mothers had lower cesarean rates (18.1 and 18.6, respectively) than either non-Hispanic white or black mothers (20.8 and 21.7, respectively) (tables 24 and 25). With the exception of Filipino mothers, all specified API categories had lower rates of cesarean delivery than either non-Hispanic white or black mothers. The lowest cesarean rate of all API subgroups was for Hawaiian mothers (16.0). Japanese mothers who were born outside the 50 States and the District of Columbia had a much lower cesarean rate in 1996 (14.4) than their

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

Year	Cesarean rate		VBAC rate ³
	Total ¹	Primary ²	
1996	20.7	14.6	28.3
1995	20.8	14.7	27.5
1994	21.2	14.9	26.3
1993	21.8	15.3	24.3
1992	22.3	15.6	22.6
1991	22.6	15.9	21.3
1990	22.7	16.0	19.9
1989	22.8	16.1	18.9

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

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

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

All of the selected medical risk factors in table 42 were associated with overall cesarean rates that were higher than the national average. Cesarean rates for the medical risk factors ranged from 21.5 for mothers with Rh sensitization to 47.8 for mothers with eclampsia. Other medical risk factors in which more than a third of births were by cesarean were chronic hypertension (38.6), hydramnios/oligohydramnios (37.0), pregnancy-associated hypertension (36.1), genital herpes (36.0) and diabetes (35.2). Certain complications of labor and/or delivery are also associated with high cesarean rates. Nearly

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

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

Infant health characteristics

Period of gestation

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

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

The primary method used to determine the gestational age of the newborn from birth certificate data is the interval between the first day of the mother's last normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons including imperfect maternal recall or misidentification of the LMP because of postconception bleeding, delayed ovulation, or intervening early miscarriage. See Technical notes for additional information on procedures for measuring gestational age.

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

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

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

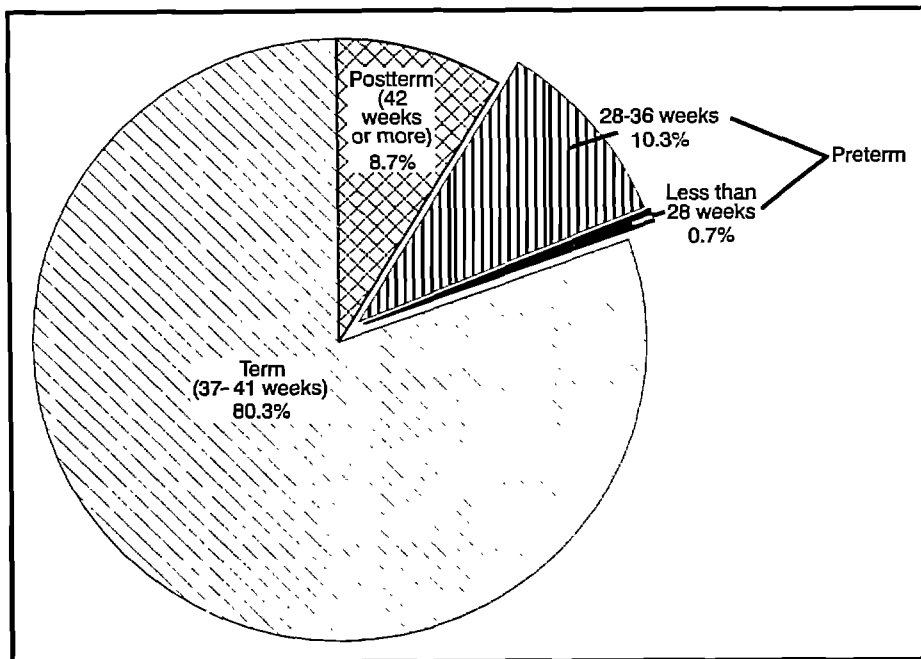


Figure 7. Gestation distribution: United States, 1996

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

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

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

Birthweight

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

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

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

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

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

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

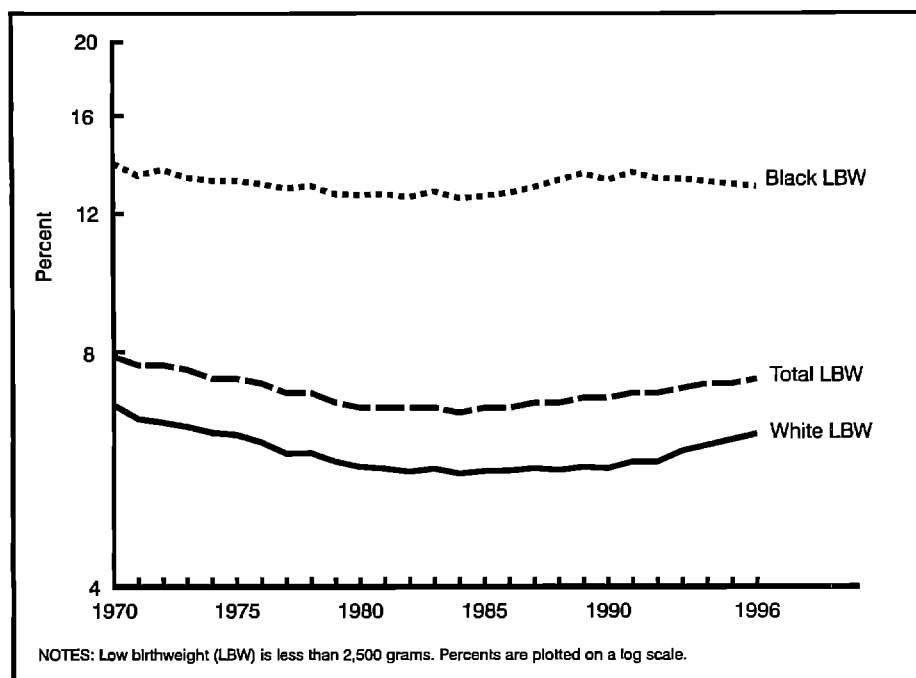


Figure 8. Percent low birthweight by race: United States, 1970–96

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

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

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

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

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

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

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

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

Apgar score

The Apgar score was developed by the late Virginia Apgar, M.D., as a means of evaluating the physical condition of newborns shortly after delivery (72). The score considers five characteristics of the baby that are easily identifiable—heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these characteristics is assessed and assigned a value of 0–2, with 2 being optimum. The total score is the sum of the scores of the five components and a score of 7 or greater indicates that the baby is in good-to-excellent physical condition. The Apgar score is assessed at 1 and 5 minutes after delivery and used to predict the newborn's chances of survival with the 5-minute score regarded as the better measure on which to make predictions.

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

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

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

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

Abnormal conditions of the newborn

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

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

Congenital anomalies

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

Because many of the congenital anomalies tracked on birth certificates occur infrequently, the rates shown in this report are calculated per 100,000 live births. Caution should be used in comparing yearly rates for a specific anomaly as a small change in the number of anomalies reported can result in a relatively large change in rates.

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

Multiple births

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

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

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

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

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

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

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

Year	Twins	Triplets	Quadruplets	Quintuplets and other higher order multiples
1996	100,750	5,298	560	81
1995	96,736	4,551	365	57
1994	97,064	4,233	315	46
1993	96,445	3,834	277	57
1992	95,372	3,547	310	26
1991	94,779	3,121	203	22
1990	93,865	2,830	185	13
1989	90,118	2,529	229	40

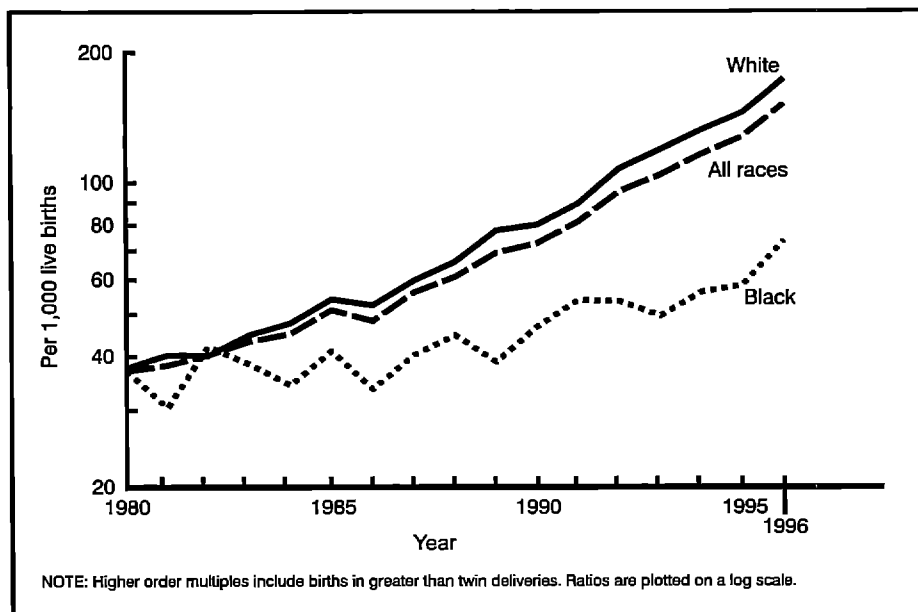


Figure 9. Higher order multiple birth ratios by race of mother, 1980-96

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

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

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

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

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

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

References

1. Ventura SJ, Peters KD, Martin JA, Maurer JD. Births and deaths: United States, 1996. Monthly vital statistics report; vol 46 no 1, supp. 2. Hyattsville, Maryland: Public Health Service. 1997.
2. Mathews TJ, Ventura SJ, Curtin SC, Martin JA. Births of Hispanic origin, 1989-95. Monthly vital statistics report; vol 46, no 6, supp. Hyattsville, Maryland: National Center for Health Statistics. 1998.
3. National Center for Health Statistics. Vital statistics of the United States, Vol I, natality. Washington: Public Health Service. Annual issues, 1980-92. Issue for 1993 in preparation.
4. Deardorff KE, Hollmann FW. U.S. population estimates, by age, sex, race, and Hispanic origin: 1990 to 1996. U.S. Bureau of the Census. PPL-57. Washington: U.S. Department of Commerce. 1997.
5. Hollmann FW. U.S. population estimates, by age, sex, race, and Hispanic origin: 1980 to 1991. U.S. Bureau of the Census. Current population reports; P-25-1095. Washington: U.S. Department of Commerce. 1993.
6. Day JC. Population projections of the United States by age, sex, race, and Hispanic origin: 1995 to 2050. U.S. Bureau of the Census. Current population reports; P-25-1130. Washington: U.S. Department of Commerce. 1996.
7. Abma JC, Chandra A, Mosher WD, Peterson LS, Piccinino LJ. Fertility, family planning, and women's health: New data from the 1995 National Survey of Family Growth. National Center for Health Statistics. Vital Health Stat 23(19). 1997.
8. Piccinino LJ, Mosher WD. Trends in contraceptive use in the United States: 1982-1995. Fam Plann Persp 30(1):4-10. 1998.
9. Koonin LM, Smith JC, Ramick M, Strauss LT, Hopkins FW. Abortion surveillance—United States, 1993 and 1994. In CDC Surveillance Summaries. MMWR 46(No. SS-4):37-98. 1997.
10. Ventura SJ, Taffel SM, Mosher WD, Wilson JB, Henshaw S. Trends in pregnancies and pregnancy rates: Estimates for the United States, 1980-92. Monthly vital statistics report; vol 43 no 11, supp. Hyattsville, Maryland: National Center for Health Statistics. 1995.
11. Ventura SJ, Curtin SC, Mathews TJ. Teenage births in the United States: National and State trends, 1990-96. Hyattsville, Maryland: National Center for Health Statistics. 1998.
12. Centers for Disease Control and Prevention. Abortion surveillance: Preliminary data—United States, 1995. MMWR 46(48):1133-37. 1997.
13. Ventura SJ. Trends and variations in first births to older women, 1970-86. National

- Center for Health Statistics. *Vital Health Stat* 21(47). 1989.
14. Heuser RL. Fertility tables for birth cohorts by color: United States, 1917–73. Rockville, Maryland: National Center for Health Statistics. 1976.
 15. Bachu A. Fertility of American women: June 1992. Current population reports; series P-20—470. Washington: U.S. Department of Commerce. 1993.
 16. Chandra A, Stephen EH. Impaired fecundity in the United States: 1982–95. *Fam Plann Persp* 30(1):34–42. 1998.
 17. National Center for Health Statistics. The age-of-mother category “50 years and over.” *Monthly vital statistics report*; vol 14 no 9. Washington, DC: Public Health Service. 1965.
 18. Centers for Disease Control and Prevention. Childbearing patterns among selected racial/ethnic minority groups, United States, 1990. *MMWR* 42(20):398–403. 1993.
 19. Martin JA. Birth characteristics for Asian or Pacific Islander subgroups, 1992. *Monthly vital statistics report*; vol 43 no 10, supp. Hyattsville, Maryland: National Center for Health Statistics. 1995.
 20. Clarke SC, Ventura SJ. Birth and fertility rates for States: United States, 1990. *National Center for Health Statistics. Vital Health Stat* 21(52). 1994.
 21. Taffel SM. Birth and fertility rates for States: United States, 1980. *National Center for Health Statistics. Vital Health Stat* 21(42). 1984.
 22. Rosenberg HM. Seasonal variation of births: United States, 1933–93. *National Center for Health Statistics. Vital Health Stat* 21(9). 1966.
 23. National Center for Health Statistics. Advance report of final natality statistics, 1988. *Monthly vital statistics report*; vol 39 no 4, supp. Hyattsville, Maryland: National Center for Health Statistics. 1990.
 24. Centers for Disease Control and Prevention. Rates of cesarean delivery: United States, 1993. *MMWR* 44(15):303–7. 1995.
 25. Landale NS, Fennelly K. Informal unions among mainland Puerto Ricans: Cohabitation or an alternative to legal marriage? *J Marriage and the Family* 54:269–80. 1992.
 26. Bumpass LL, Sweet JA. Cohabitation, marriage and union stability: preliminary findings from NSFH2. NSFH Working Paper No. 65. Center for Demography and Ecology. Madison, Wisconsin: University of Wisconsin—Madison. 1995.
 27. Ventura SJ. Births to unmarried mothers: United States, 1980–92. *National Center for Health Statistics. Vital Health Stat* 21(53). 1995.
 28. Mathews TJ, Ventura SJ. Birth and fertility rates by educational attainment: United States, 1994. *Monthly vital statistics report*, vol 45 no 10, supp. Hyattsville, Maryland: National Center for Health Statistics. 1997.
 29. Heck KE, Schoendorf KC, Ventura SJ, Kiely JL. Delayed childbearing by education level in the United States, 1969–1994. *Maternal and Child Health Journal* 1(2):81–88. 1997.
 30. Day JC, Curry AE. Educational attainment in the United States: March 1996 (Update). U. S. Bureau of the Census. Current population reports; P-20—493 (PPL-56). Washington: U.S. Department of Commerce. 1997.
 31. U. S. Bureau of the Census. The Hispanic population in the United States: March 1996. U.S. Bureau of the Census. PPL-72. Washington: U.S. Department of Commerce. 1997.
 32. Chomitz VR, Cheung LWY, Lieberman E. The role of lifestyle in preventing low birth weight. In: *The Future of Children: Low Birthweight*. Vol 5(1):121–38. Los Altos, California: Center for the Future of Children, The David and Lucile Packard Foundation. 1995.
 33. Abrams B, Selvin S. Maternal weight gain pattern and birth weight. *Am J Obstet Gynecol*. 86(2):163–9. 1995.
 34. Kramer MS. Intrauterine growth and gestational duration determinants. *Pediatrics* 80:502–11. 1987.
 35. Kleinman JC. Maternal weight gain during pregnancy: determinants and consequences. NCHS Working Paper Series 33. Hyattsville, Maryland: National Center for Health Statistics. 1990.
 36. Institute of Medicine. Subcommittee on Nutritional Status and Weight Gain During Pregnancy. Nutrition during pregnancy. National Academy of Sciences. Washington: National Academy Press. 1990.
 37. Velentgas P, Benga-De E, Williams MA. Chronic hypertension, pregnancy-induced hypertension, and low birthweight. *Epidemiology* 5(3):345–48. 1993.
 38. Cunningham FG, Lindheimer MD. Hypertension in pregnancy. *NEJM* 326(14):927–32. 1992.
 39. DeBaun M, Rowley D, Province M, et al. Selected antepartum medical complications and very-low-birthweight infants among black and white women. *Am J Public Health* 84(9): 1495–7. 1994.
 40. Buescher PA, Taylor KP, Davis MH, Bowling JM. The quality of the new birth certificate data: A validation study in North Carolina. *Am J Public Health* 83(8):1163–65. 1993.
 41. National Center for Health Statistics. Advance report of new data from the 1989 birth certificate. *Monthly vital statistics report*; vol 40 no 12, supp. Hyattsville, Maryland: Public Health Service. 1992.
 42. Chandra A. Health aspects of pregnancy and childbirth: United States, 1982–88. *National Center for Health Statistics. Vital Health Stat* 23(18). 1995.
 43. Kleinman JC, Madans JH. The effects of maternal smoking, physical stature, and educational attainment on the incidence of low birth weight. *Am J Epidemiol* 121(6):843–55. 1985.
 44. Schoendorf KC, Kiely JL. Relationship of sudden infant death syndrome to maternal smoking during and after pregnancy. *Pediatrics* 90(6):905–8. 1992.
 45. Cunningham J, Dockery DW, Speizer FE. Maternal smoking during pregnancy as a predictor of lung function in children. *Am J Epidemiol* 139(12):1139–52. 1994.
 46. Floyd RL, Zahniser SC, Gunter EP, Kendrick JS. Smoking during pregnancy: Prevalence, effects, and intervention strategies. *Birth* 18(1):48–53. 1991.
 47. U.S. Department of Health and Human Services. The health benefits of smoking cessation. A report of the Surgeon General. Rockville, Maryland: Public Health Service. 1990.
 48. National Institute on Drug Abuse. National Pregnancy and Health Survey—Drug Use Among Women Delivering Live Births: 1992. National Institutes of Health. Rockville, Maryland: U.S. Department of Health and Human Services. 1996.
 49. Vega WA, Kolody B, Hwang J, Noble A. Prevalence and magnitude of perinatal substance exposures in California. *NEJM* 329(12):850–4. 1993.
 50. Ventura SJ, Taffel SM. Childbearing characteristics of U.S.- and foreign-born Hispanic mothers. *Pub Health Rep* 100(6):647–52. 1985.
 51. Ventura SJ, Martin JA, Curtin SC, Mathews TJ. Report of final natality statistics, 1995. *Monthly vital statistics report*; vol 45 no 11, supp.1. Hyattsville, Maryland: National Center for Health Statistics. 1997.
 52. Fox SH, Koepsell TD, Daling JR. Birth weight and smoking during pregnancy—Effect modification by maternal age. *Am J Epidemiol* 139(10):1008–15. 1994.

53. LeClere FB, Wilson JB. Smoking behavior of recent mothers, 18–44 years of age, before and after pregnancy: United States, 1990. Advance data from vital and health statistics; no 288. Hyattsville, Maryland: National Center for Health Statistics. 1997.
54. Sampson PD, Bookstein FL, Barr HM, Steissguth AP. Prenatal alcohol exposure, birthweight, and measures of child size from birth to 14 years. *Am J Public Health* 84(9):1421–28. 1994.
55. Morrow-Tlucak M, Ernhart CB, Sokol RJ, et al. Underreporting of alcohol use in pregnancy: Relationship to alcohol problem history. *Alcohol Clin Exp Res* 13(3):399–401. 1989.
56. Huntington J, Connell FA. For every dollar spent—the cost-savings argument for prenatal care. *NEJM*. 33(19):1303–7. 1994.
57. Fiscella K. Does prenatal care improve birth outcomes? A critical review. *Obstet Gynecol* 85(3):46–79. 1995.
58. U.S. Public Health Service. Caring for our future: The content of prenatal care. Washington: U.S. Department of Health and Human Services. 1989.
59. Kotelchuck M. An evaluation of the Kessner adequacy of prenatal care index and a proposed adequacy of prenatal care utilization index. *Am J Public Health* 84(9):1414–20. 1994.
60. Kogan MD, Martin JA, Alexander GR, Kotelchuck M, Ventura SJ, Frigoletto FD. The changing pattern of prenatal care utilization in the United States, 1981–1995, using different prenatal care indices. *JAMA* 279(20): 1623–28. 1998.
61. Piper JM, Mitchel EF, Snowden M, et al. Validation of 1989 Tennessee birth certificates using maternal and newborn hospital records. *Am J Epidemiol* 137(7):758–68. 1993.
62. Mathews TJ. Trends in stimulation and induction of labor, 1989–1995. *Stat Bulletin* 78(4):20–26. 1998.
63. Mathews TJ, Singh GK. Determinants of placenta previa: United States, 1992. Paper presented at the annual meeting of the Society for Epidemiologic Research. Snowbird, Utah. June 23, 1995.
64. Clarke SC, Martin JA, Taffel SM. Trends and characteristics of births attended by midwives. *Stat Bulletin* 78(1):9–18. 1997.
65. Curtin SC. Rates of cesarean birth and vaginal birth after previous cesarean, 1991–95. Monthly vital statistics report; vol 45 no 11, supp 3. Hyattsville, Maryland: National Center for Health Statistics. 1997.
66. U.S. Department of Health and Human Services. Healthy people 2000. National health promotion and disease prevention objectives. Washington: Public Health Service. 1990.
67. Berkowitz GS, Papiernik E. Epidemiology of preterm birth. *Epidemiologic Reviews* vol 15(2):414–43. 1993.
68. MacDorman MF, Atkinson JO. Infant mortality statistics from the linked birth/infant death data set—1995 period data. Monthly vital statistics report; vol 46 no 6, supp 2. Hyattsville, Maryland: National Center for Health Statistics. 1998.
69. Paneth NS. The problem of low birthweight. In: Center for the Future of Children. The future of children: Low Birth Weight. Vol 5(1):19–34. Los Altos, California: Center for the Future of Children. The David and Lucile Packard Foundation. 1995.
70. Institute of Medicine. Preventing Low Birthweight. National Academy of Sciences. Washington: National Academy Press. 1985.
71. Hamvas A, Wise PH, Yang RK, Wampler NS, Noguchi A, Maurer MM, Walentik CA, Schramm WF. The influence of the wider use of surfactant therapy on neonatal mortality among blacks and whites. *NEJM* 334(25):1635–40. 1996.
72. Apgar V. A proposal for a new method of evaluation of the newborn infant. *Current Researches in Anesthesia and Analgesia* 260–267. July–Aug. 1953.
73. Watkins ML, Edmonds L, McClearn A, Mullins L, Mulinare J, Khoury M. The surveillance of birth defects: The usefulness of the revised US standard birth certificate. *Am J Public Health* 86(5):731–34. 1996.
74. Martin JA, MacDorman MF, Mathews TJ. Triplet births: Trends and outcomes, 1971–94. National Center for Health Statistics. *Vital Health Stat* 21(55). 1997.
75. Kiely JL, Kleinman JC, Kiely M. Triplets and higher-order multiple births: Time trends and infant mortality. *AJDC* 146:862–8. 1992.
76. Wilcox LS, Kiely JL, Melvin CL, Martin MC. Assisted reproductive technologies: Estimates of their contribution to multiple births and newborn hospital days in the United States. *Fertility and Sterility* 65(2):361–66. 1996.
77. Centers for Disease Control and Prevention, American Society for Reproductive Medicine, RESOLVE. 1995 assisted reproductive technology success rates: National summary and fertility clinic reports. Washington: U.S. Department of Health and Human Services. 1997.
78. Centers for Disease Control and Prevention. State-specific variation in rates of twin births—United States, 1992–1994. *MMWR* 46(6):121–25. 1997.
79. Alexander GR, Kogan MD, Martin JA, Papiernik E. What are the fetal growth patterns of singletons, twins, and triplets in the United States? *Clinical Obstetrics and Gynecology* 41(1):115–25. 1998.
80. Kieth LG, Papiernik E, Luke B. The costs of multiple pregnancy. *International J Gynecol Obstet* 36:109–114. 1991.
81. Kleinman JC, Fowler MG, Kessel SS. Comparison of infant mortality among twins and singletons: United States, 1960 and 1983. *Am J Epidemiol* 133(2):133–43. 1991.
82. Luke B. Reducing fetal deaths in multiple births: Optimal birthweights and gestational ages for infants of twin and triplet births. *Acta Genet Med Gemolol* 45:333–48. 1996.
83. National Center for Health Statistics. Unpublished data from the linked birth/infant death data set, 1995 birth cohort.
84. Ettner SL, Christiansen CL, Callahan TL, Hall JE. How low birthweight and gestational age contribute to increased inpatient costs for multiple births. *Inquiry* 34:325–39. 1997.
85. Ventura SJ, Martin JA, Taffel SM, Mathews TJ, Clarke SC. Advance report of final natality statistics, 1992. Monthly vital statistics report; vol 43 no 5, supp. Hyattsville, Maryland: National Center for Health Statistics. 1994.
86. Berkov B. An evaluation of California's inferred birth statistics for unmarried women. National Center for Health Statistics. *Vital Health Stat* 2(97). 1985.
87. Ventura SJ, Martin JA, Mathews TJ, Clarke SC. Advance report of final natality statistics, 1994. Monthly vital statistics report; vol 44 no 11, supp. Hyattsville, Maryland: National Center for Health Statistics. 1996.
88. U.S. Bureau of the Census. Age, sex, race, and Hispanic origin information from the 1990 census: A comparison of census results with results where age and race have been modified. 1990 CPH-L-74. Washington, DC: U.S. Department of Commerce. 1991.
89. U.S. Bureau of the Census. Estimates of the population of states by age, sex, race, and Hispanic origin: 1990 to 1996. Internet release date, December 1997.
90. U.S. Bureau of the Census. March 1996 Current population survey. September 1996.

91. U.S. Bureau of the Census. Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division. 1997.
92. Brockert JE, Stockbauer JW, Senner JW, et al. Recommended standard medical definitions for the U.S. Standard Certificate of Live Birth, 1989 revision. Paper presented at the annual meeting of the Association for Vital Records and Health Statistics. Traverse City, Michigan. June 25–27, 1990.
93. Taffel SM. Cesarean delivery in the United States, 1990. National Center for Health Statistics. Vital Health Stat 21(51). 1994.
94. Lewis CT, Mathews TJ, Heuser RL. Prenatal care in the United States, 1980–94. National Center for Health Statistics. Vital Health Stat 21(54). 1996.
11. Live births by race of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 43
12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 44
13. Total number of births, rates, and percent of births with selected demographic characteristics, by specified race of mother and place of birth of mother: United States, 1996 45
14. Total number of births, rates, and percent of births with selected demographic characteristics, by Hispanic origin of mother, and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1996 46
15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 1996 47
16. Live births by day of week and index of occurrence, by method of delivery, day of week, and race of mother: United States, 1996 48
17. Number, rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 1996 49
18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–96, and by age, race, and Hispanic origin of mother: United States, 1980–96 50
19. Number and percent of births to unmarried women, by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 52
20. Birth rates by age and race of father: United States, 1980–96 53
21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race of mother: United States, 1996 54
22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation, race, and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1996 55
23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1996 56
24. Percent of births with selected medical or health characteristics, by specified race of mother, by place of birth of mother: United States, 1996 57
25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1996 58
26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 1996 59
27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by specified race of mother: United States, 1996 60
28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1996 61
29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996 62
30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 46 reporting States, the District of Columbia, and New York City, 1996 63
31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution by average number of cigarettes smoked by mothers per day, according to educational attainment and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996 64
32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996 65
33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age, race, and Hispanic origin of mother: United States, 1996 66
34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care, by race and Hispanic

List of tables

1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–96 29
2. Live births by age of mother, live-birth order, and race of mother: United States, 1996 30
3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 1996 31
4. Total fertility rates and birth rates by age of mother: United States, 1970–96, and by age and race of mother: United States, 1980–96 32
5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980–96 34
6. Live births, birth rates, and fertility rates, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–96 35
7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1996 36
8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1996 38
9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–96. 40
10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15–19 years by age of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 42
11. Live births by race of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 43
12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 44
13. Total number of births, rates, and percent of births with selected demographic characteristics, by specified race of mother and place of birth of mother: United States, 1996 45
14. Total number of births, rates, and percent of births with selected demographic characteristics, by Hispanic origin of mother, and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1996 46
15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 1996 47
16. Live births by day of week and index of occurrence, by method of delivery, day of week, and race of mother: United States, 1996 48
17. Number, rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 1996 49
18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–96, and by age, race, and Hispanic origin of mother: United States, 1980–96 50
19. Number and percent of births to unmarried women, by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 52
20. Birth rates by age and race of father: United States, 1980–96 53
21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race of mother: United States, 1996 54
22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation, race, and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1996 55
23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1996 56
24. Percent of births with selected medical or health characteristics, by specified race of mother, by place of birth of mother: United States, 1996 57
25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1996 58
26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 1996 59
27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by specified race of mother: United States, 1996 60
28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1996 61
29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996 62
30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 46 reporting States, the District of Columbia, and New York City, 1996 63
31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution by average number of cigarettes smoked by mothers per day, according to educational attainment and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996 64
32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996 65
33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age, race, and Hispanic origin of mother: United States, 1996 66
34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care, by race and Hispanic

origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996	68	vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 1996	75	by birthweight, by age and race and Hispanic origin of mother: United States, 1996	81
35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1996 . .	69	41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996	76	46. Number and percent of births of low birthweight, by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 . .	83
36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 1996	71	42. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by selected maternal medical risk factors and complications of labor and/or delivery: United States, 1996	77	47. Number and percent of births of very low birthweight, by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996 . .	84
37. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother: United States, 1996.	72	43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1996	78	48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 1996	85
38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 1996	73	44. Percent of live births preterm and percent of live births of low birthweight and very low birthweight, by race of mother: United States, 1981-96	80	49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1996	86
39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-96	74	45. Number and percent low birthweight and number of live births		50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 1996	88
40. Live births by method of delivery and rates of cesarean delivery and					

Guide to tables in Report of Final Natality Statistics, 1996

TABLE:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Geographic area:																									
States ¹										10	11	12							19						
United States or all reporting areas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Years:																									
Current year only		2	3				7	8		10	11	12	13	14	15	16	17		19		21	22	23	24	25
Trend	1			4	5	6			9									18		20					
Type of entry:																									
Number of births	1	2				6	7			10	11	12	13	14	15	16	17		19		21	22			
Rates or other measures	1		3	4	5	6		8	9	10			13	14	15	16	17	18	19	20	21	22	23	24	25
Characteristics:																									
Age of father																				20					
Age of mother		2	3	4			7		9								17	18			21				
Alcohol use																								24	25
Apgar score																								24	25
Birthweight																							23	24	25
Day of week																16									
Education													13	14							21				
Gestational age																						22	23	24	25
Hispanic origin of mother						⁴ 6	⁴ 7	⁴ 8	⁴ 9			⁴ 12		⁴ 14			⁶ 17	⁶ 18	⁶ 19			⁶ 22	⁴ 23		⁴ 25
Live-birth order		2	3		5		7	8					13	14											
Method of delivery																16								24	25
Month of birth															15										
Nativity of mother													13	14										24	25
Prenatal care																								24	25
Race of father																				³ 20					
Race of mother	² 1	² 2	² 3	² 4	³ 5	⁴ 6	⁴ 7	⁴ 8	⁴ 9		² 11	⁴ 12	⁵ 13	⁴ 14	³ 15	³ 16	⁶ 17	⁶ 18	⁶ 19		³ 21	⁶ 22	⁴ 23	⁵ 24	⁴ 25
Sex of child													13	14											
Teenage mothers										10			13	14											
Tobacco use																								24	25
Unmarried mothers													13	14			17	18	19						
Weight gain during pregnancy																						22	23	24	25

TABLE:	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Geographic area:																									
States ¹									34							41					46	47			
United States or all reporting areas	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Years:																									
Current year only	26	27	28	29	30	31	32	33	34	35	36	37	38		40	41	42			45	46	47	48	49	50
Trend														39					44						
Type of entry:																									
Number of births	26	27	28	29	30	31		33		35	36	37	38	39	40		42	43		45	46	47	48	49	50
Rates or other measures	26	27	28	29	30	31	32	33	34	35	36	37		39	40	41	42	43	44	45	46	47	48	49	50
Characteristics:																									
Abnormal conditions of newborn																							48		
Age of mother	26			29	30		32	33			36	37			40					45			48	49	50
Attendant at birth													38												
Birthweight							32											43	44	45	46	47			
Complications of labor		27	28									37					42								
Congenital anomalies																							49		
Education						31																			
Gestational age																	43	44							
Hispanic origin of mother			⁴ 28		⁴ 30		⁶ 32	⁶ 33	⁶ 34	⁶ 35			⁶ 38	⁶ 39	⁶ 40	⁶ 41		⁶ 43		⁶ 45	⁶ 46	⁶ 47			⁶ 50
Medical risk factors	26	27	28														42								
Method of delivery														39	40	41	42								
Obstetric procedures		27	28								36														
Place of delivery													38												
Multiple births																									50
Prenatal care								33	34	35															
Race of mother	³ 26	⁵ 27	⁴ 28	³ 29	⁴ 30	³ 31	⁶ 32	⁶ 33	⁶ 34	⁶ 35	³ 36	³ 37	⁶ 38	⁶ 39	⁶ 40	⁶ 41		⁶ 43	³ 44	⁶ 45	⁶ 46	⁶ 47	³ 48	³ 49	⁶ 50
Tobacco use				29	30	31	32																		

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

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

[Birth rates are live births per 1,000 population in specified group. Fertility rates per 1,000 women aged 15-44 years in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970, excludes births to nonresidents of the United States]

Year	Number					Birth rate					Fertility rate				
	All races ¹	White	Black	American Indian ²	Asian or Pacific Islander	All races ¹	White	Black	American Indian ²	Asian or Pacific Islander	All races ¹	White	Black	American Indian ²	Asian or Pacific Islander
Registered births															
Race of mother:															
1996	3,891,494	3,093,057	594,781	37,880	165,776	14.7	14.1	17.8	16.6	17.0	65.3	64.3	70.7	68.7	65.9
1995	3,899,589	3,098,885	603,139	37,278	160,287	14.8	14.2	18.2	16.6	17.3	65.6	64.4	72.3	69.1	66.4
1994	3,952,767	3,121,004	636,391	37,740	157,632	15.2	14.4	19.5	17.1	17.5	66.7	64.9	76.9	70.9	66.8
1993	4,000,240	3,149,833	658,875	38,732	152,800	15.5	14.7	20.5	17.8	17.7	67.6	65.4	80.5	73.4	66.7
1992	4,065,014	3,201,678	673,633	39,453	150,250	15.9	15.0	21.3	18.4	18.0	68.9	66.5	83.2	75.4	67.2
1991	4,110,907	3,241,273	682,602	38,841	145,372	16.3	15.4	21.9	18.3	18.2	69.6	67.0	85.2	75.1	67.6
1990	4,158,212	3,290,273	684,336	39,051	141,635	16.7	15.8	22.4	18.9	19.0	70.9	68.3	86.8	76.2	69.6
1989	4,040,958	3,192,355	673,124	39,478	133,075	16.4	15.4	22.3	19.7	18.7	69.2	66.4	86.2	79.0	68.2
1988	3,909,510	3,102,083	638,562	37,088	129,035	16.0	15.0	21.5	19.3	19.2	67.3	64.5	82.6	76.8	70.2
1987	3,809,394	3,043,828	611,173	35,322	116,560	15.7	14.9	20.8	19.1	18.4	65.8	63.3	80.1	75.6	67.1
1986	3,756,547	3,019,175	592,910	34,169	107,797	15.6	14.8	20.5	19.2	18.0	65.4	63.1	78.9	75.9	66.0
1985	3,760,561	3,037,913	581,824	34,037	104,606	15.8	15.0	20.4	19.8	18.7	66.3	64.1	78.8	78.6	68.4
1984 ³	3,669,141	2,967,100	568,138	33,256	98,926	15.6	14.8	20.1	20.1	18.8	65.5	63.2	78.2	79.8	69.2
1983 ³	3,638,933	2,946,468	562,624	32,881	95,713	15.6	14.8	20.2	20.6	19.5	65.7	63.4	78.7	81.8	71.7
1982 ³	3,680,537	2,984,817	568,506	32,436	93,193	15.9	15.1	20.7	21.1	20.3	67.3	64.8	80.9	83.6	74.8
1981 ³	3,629,238	2,947,679	564,955	29,688	84,553	15.8	15.0	20.8	20.0	20.1	67.3	64.8	82.0	79.6	73.7
1980 ³	3,612,258	2,936,351	568,080	29,389	74,355	15.9	15.1	21.3	20.7	19.9	68.4	65.6	84.7	82.7	73.2
Race of child:															
1980 ³	3,612,258	2,898,732	589,616	36,797	—	15.9	14.9	22.1	—	—	68.4	64.7	88.1	—	—
1979 ³	3,494,398	2,808,420	577,855	34,269	—	15.6	14.5	22.0	—	—	67.2	63.4	88.3	—	—
1978 ³	3,333,279	2,681,116	551,540	33,160	—	15.0	14.0	21.3	—	—	65.5	61.7	86.7	—	—
1977 ³	3,326,632	2,691,070	544,221	30,500	—	15.1	14.1	21.4	—	—	66.8	63.2	88.1	—	—
1976 ³	3,167,788	2,567,614	514,479	29,009	—	14.6	13.6	20.5	—	—	65.0	61.5	85.8	—	—
1975 ³	3,144,198	2,551,996	511,581	27,546	—	14.6	13.6	20.7	—	—	66.0	62.5	87.9	—	—
1974 ³	3,159,958	2,575,792	507,162	26,631	—	14.8	13.9	20.8	—	—	67.8	64.2	89.7	—	—
1973 ³	3,136,965	2,551,030	512,597	26,464	—	14.8	13.8	21.4	—	—	68.8	64.9	93.6	—	—
1972 ³	3,258,411	2,655,558	531,329	27,368	—	15.6	14.5	22.5	—	—	73.1	68.9	99.9	—	—
1971 ⁴	3,555,970	2,919,746	564,960	27,148	—	17.2	16.1	24.4	—	—	81.6	77.3	109.7	—	—
1970 ⁴	3,731,386	3,091,264	572,362	25,864	—	18.4	17.4	25.3	—	—	87.9	84.1	115.4	—	—
1969 ⁴	3,600,206	2,993,614	543,132	24,008	—	17.9	16.9	24.4	—	—	86.1	82.2	112.1	—	—
1968 ⁴	3,501,564	2,912,224	531,152	24,156	—	17.6	16.6	24.2	—	—	85.2	81.3	112.7	—	—
1967 ⁵	3,520,959	2,922,502	543,976	22,665	—	17.8	16.8	25.1	—	—	87.2	82.8	118.5	—	—
1966 ⁴	3,606,274	2,993,230	558,244	23,014	—	18.4	17.4	26.2	—	—	90.8	86.2	124.7	—	—
1965 ⁴	3,760,358	3,123,860	581,126	24,066	—	19.4	18.3	27.7	—	—	96.3	91.3	133.2	—	—
1964 ⁴	4,027,490	3,369,160	607,556	24,382	—	21.1	20.0	29.5	—	—	104.7	99.8	142.6	—	—
1963 ^{4,6}	4,098,020	3,326,344	580,658	22,358	—	21.7	20.7	—	—	—	108.3	103.6	—	—	—
1962 ^{4,6}	4,167,362	3,394,068	584,610	21,968	—	22.4	21.4	—	—	—	112.0	107.5	—	—	—
1961 ⁴	4,268,326	3,600,864	611,072	21,464	—	23.3	22.2	—	—	—	117.1	112.3	—	—	—
1960 ⁴	4,257,850	3,600,744	602,264	21,114	—	23.7	22.7	31.9	—	—	118.0	113.2	153.5	—	—
Births adjusted for underregistration															
Race of child:															
1955	4,097,000	3,485,000	—	—	—	25.0	23.8	—	—	—	118.3	113.7	—	—	—
1950	3,632,000	3,108,000	—	—	—	24.1	23.0	—	—	—	106.2	102.3	—	—	—
1945	2,858,000	2,471,000	—	—	—	20.4	19.7	—	—	—	85.9	83.4	—	—	—
1940	2,559,000	2,199,000	—	—	—	19.4	18.6	—	—	—	79.9	77.1	—	—	—

— Data not available.

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

² Includes births to Aleuts and Eskimos.

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

⁴ Based on a 50-percent sample of births.

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

⁶ Figures by race exclude New Jersey.

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

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

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

Live-birth order and race of mother	All ages	Age of mother												
		Under 15 years	15-19 years						20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15 years	16 years	17 years	18 years	19 years						
All races	3,891,494	11,148	491,577	28,540	60,287	96,894	135,059	170,797	945,210	1,071,287	897,913	399,510	71,804	3,045
First child	1,589,512	10,820	381,910	27,040	54,337	81,263	102,714	116,556	442,949	401,788	249,272	87,279	14,866	628
Second child	1,251,760	249	88,895	1,291	5,189	13,554	26,729	42,132	318,896	371,734	324,102	127,960	19,317	607
Third child	624,631	6	15,521	44	356	1,404	4,296	9,421	126,452	185,197	189,625	92,517	14,791	522
Fourth child	240,074	1	2,190	-	27	127	521	1,515	38,067	68,228	76,327	46,016	8,888	357
Fifth child	89,795	-	259	1	6	15	41	196	10,402	23,939	29,314	20,582	5,046	253
Sixth child	37,340	-	37	-	-	2	5	30	2,621	8,893	12,627	10,066	2,970	126
Seventh child	17,274	-	11	-	1	1	3	6	632	3,455	5,860	5,346	1,841	129
Eighth child and over	17,966	-	9	-	-	-	1	8	247	1,975	5,077	6,802	3,467	389
Not stated	23,142	72	2,745	164	371	528	749	933	4,944	6,078	5,709	2,942	618	34
White	3,093,057	5,526	344,685	16,978	39,401	66,997	96,246	125,063	726,669	878,449	747,436	329,782	58,062	2,448
First child	1,271,157	5,377	275,543	16,251	36,207	57,856	76,050	89,179	355,805	338,428	209,516	73,393	12,564	531
Second child	1,014,793	111	57,940	613	2,760	8,079	17,244	29,244	249,076	311,204	273,609	106,553	15,798	502
Third child	496,684	3	8,317	16	182	645	2,209	5,265	89,241	149,753	160,011	77,094	11,815	450
Fourth child	182,191	-	929	-	6	54	213	656	22,623	51,155	62,312	37,806	7,079	287
Fifth child	63,327	-	95	-	2	5	20	68	4,962	15,763	22,143	16,232	3,946	186
Sixth child	24,967	-	13	-	-	1	1	11	1,028	5,083	8,787	7,663	2,311	92
Seventh child	11,065	-	5	-	-	-	2	3	228	1,653	3,718	3,944	1,415	102
Eighth child and over	11,341	-	3	-	-	-	1	2	100	756	2,806	4,750	2,646	280
Not stated	17,532	35	1,840	98	244	357	506	635	3,606	4,654	4,534	2,347	488	28
Black	594,781	5,193	130,596	10,498	18,753	26,775	34,394	40,176	179,361	133,204	94,295	43,716	8,124	292
First child	230,370	5,037	93,631	9,800	16,225	20,796	23,270	23,540	66,830	35,718	20,391	7,535	1,184	44
Second child	171,424	117	28,159	609	2,238	5,053	8,677	11,582	58,271	42,034	29,060	11,890	1,830	63
Third child	100,149	2	6,633	24	154	696	1,921	3,838	32,607	28,014	21,028	10,055	1,778	32
Fourth child	47,035	1	1,138	-	16	63	272	787	13,751	14,035	10,821	6,039	1,203	47
Fifth child	21,555	-	153	1	4	8	19	121	4,833	6,720	5,687	3,358	762	42
Sixth child	9,981	-	20	-	-	-	3	17	1,408	3,138	3,045	1,882	463	25
Seventh child	4,843	-	4	-	1	1	-	2	359	1,456	1,667	1,060	291	6
Eighth child and over	4,864	-	6	-	-	-	-	6	133	974	1,748	1,458	516	29
Not stated	4,560	36	852	64	115	158	232	283	1,169	1,115	848	439	97	4
American Indian ¹	37,880	202	7,731	524	1,072	1,492	2,115	2,528	12,142	8,844	5,816	2,606	524	15
First child	13,654	194	6,010	500	976	1,271	1,599	1,664	4,469	1,787	856	285	51	2
Second child	10,131	7	1,411	21	84	196	430	680	4,298	2,502	1,320	510	81	2
Third child	6,526	-	253	1	6	17	76	153	2,187	2,101	1,353	530	100	2
Fourth child	3,677	-	35	-	-	1	8	26	828	1,272	976	475	86	5
Fifth child	1,916	-	2	-	-	-	1	1	238	689	627	296	64	-
Sixth child	950	-	1	-	-	1	-	-	65	282	353	197	51	1
Seventh child	459	-	-	-	-	-	-	-	12	108	178	126	33	2
Eighth child and over	429	-	-	-	-	-	-	-	2	63	135	171	57	1
Not stated	138	1	19	2	6	6	1	4	43	40	18	16	1	-
Asian or Pacific Islander ...	165,776	227	8,565	540	1,061	1,630	2,304	3,030	27,038	50,790	50,366	23,406	5,094	290
First child	74,331	212	6,726	489	929	1,340	1,795	2,173	15,845	25,855	18,509	6,066	1,067	51
Second child	55,412	14	1,385	48	107	226	378	626	7,251	15,994	20,113	9,007	1,608	40
Third child	21,272	1	318	3	14	46	90	165	2,417	5,329	7,233	4,838	1,098	38
Fourth child	7,171	-	88	-	5	9	28	46	865	1,766	2,218	1,696	520	18
Fifth child	2,997	-	9	-	-	2	1	6	369	767	857	696	274	25
Sixth child	1,442	-	3	-	-	-	1	2	120	390	442	324	145	18
Seventh child	907	-	2	-	-	-	1	1	33	238	297	216	102	19
Eighth child and over	1,332	-	-	-	-	-	-	-	12	182	368	423	248	79
Not stated	912	-	34	-	6	7	10	11	126	269	309	140	32	2

- Quantity zero.

¹ Includes births to Aleuts and Eskimos.

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

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

[Rates are live births per 1,000 women in specified age and racial group. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	15-44 years ¹	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
All races	65.3	1.2	54.4	33.8	86.0	110.4	113.1	83.9	35.3	6.8	0.3
First child	26.8	1.2	42.5	29.8	62.0	52.0	42.7	23.4	7.8	1.4	0.1
Second child	21.1	0.0	9.9	3.7	19.5	37.4	39.5	30.5	11.4	1.9	0.1
Third child	10.5	*	1.7	0.3	3.9	14.8	19.7	17.8	8.2	1.4	0.1
Fourth child	4.1	*	0.2	0.0	0.6	4.5	7.2	7.2	4.1	0.9	0.0
Fifth child	1.5	*	0.0	0.0	0.1	1.2	2.5	2.8	1.8	0.5	0.0
Sixth and seventh child	0.9	*	0.0	*	0.0	0.4	1.3	1.7	1.4	0.5	0.0
Eighth child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.6	0.3	0.0
White	64.3	0.8	48.1	28.4	78.4	107.2	116.1	86.3	35.6	6.7	0.3
First child	26.6	0.7	38.7	25.6	58.8	52.8	45.0	24.3	8.0	1.5	0.1
Second child	21.2	0.0	8.1	2.7	16.6	36.9	41.4	31.8	11.6	1.8	0.1
Third child	10.4	*	1.2	0.2	2.7	13.2	19.9	18.6	8.4	1.4	0.1
Fourth child	3.8	*	0.1	0.0	0.3	3.4	6.8	7.2	4.1	0.8	0.0
Fifth child	1.3	*	0.0	*	0.0	0.7	2.1	2.6	1.8	0.5	0.0
Sixth and seventh child	0.8	*	*	*	*	0.2	0.9	1.5	1.3	0.4	0.0
Eighth child and over	0.2	*	*	*	*	0.0	0.1	0.3	0.5	0.3	0.0
Black	70.7	3.6	91.4	64.7	132.5	136.8	98.2	63.3	29.1	6.1	0.3
First child	27.6	3.5	65.9	54.4	83.7	51.3	26.5	13.8	5.1	0.9	0.0
Second child	20.5	0.1	19.8	9.2	36.2	44.7	31.2	19.7	8.0	1.4	0.1
Third child	12.0	*	4.7	1.0	10.3	25.0	20.8	14.2	6.8	1.4	0.0
Fourth child	5.6	*	0.8	0.1	1.9	10.6	10.4	7.3	4.1	0.9	0.0
Fifth child	2.6	*	0.1	*	0.3	3.7	5.0	3.9	2.3	0.6	0.0
Sixth and seventh child	1.8	*	0.0	*	0.0	1.4	3.4	3.2	2.0	0.6	0.0
Eighth child and over	0.6	*	*	*	*	0.1	0.7	1.2	1.0	0.4	0.0
American Indian ²	68.7	1.7	73.9	46.4	122.3	133.9	98.5	63.2	28.5	6.3	*
First child	24.9	1.7	57.6	41.4	86.1	49.5	20.0	9.3	3.1	0.6	*
Second child	18.4	*	13.5	4.5	29.3	47.6	28.0	14.4	5.6	1.0	*
Third child	11.9	*	2.4	0.4	6.0	24.2	23.5	14.7	5.8	1.2	*
Fourth child	6.7	*	0.3	*	0.9	9.2	14.2	10.6	5.2	1.0	*
Fifth child	3.5	*	*	*	*	2.6	7.7	6.8	3.3	0.8	*
Sixth and seventh child	2.6	*	*	*	*	0.8	4.4	5.8	3.6	1.0	*
Eighth child and over	0.8	*	*	*	*	*	0.7	1.5	1.9	0.7	*
Asian or Pacific Islander	65.9	0.6	24.6	14.9	40.4	70.7	111.2	109.2	52.2	12.2	0.8
First child	29.7	0.6	19.4	12.8	30.2	41.6	56.9	40.4	13.6	2.6	0.1
Second child	22.1	*	4.0	1.8	7.6	19.1	35.2	43.9	20.2	3.9	0.1
Third child	8.5	*	0.9	0.3	1.9	6.3	11.7	15.8	10.8	2.6	0.1
Fourth child	2.9	*	0.3	*	0.6	2.3	3.9	4.8	3.8	1.2	*
Fifth child	1.2	*	*	*	*	1.0	1.7	1.9	1.6	0.7	0.1
Sixth and seventh child	0.9	*	*	*	*	0.4	1.4	1.6	1.2	0.6	0.1
Eighth child and over	0.5	*	*	*	*	*	0.4	0.8	0.9	0.6	0.2

* Figure does not meet standards of reliability or precision.

0.0 Quantity more than zero but less than 0.05.

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

² Includes births to Aleuts and Eskimos.

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

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

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group, enumerated as of April 1 for 1970, 1980, and 1990, and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
All races ¹											
1996	2,027.0	1.2	54.4	33.8	86.0	110.4	113.1	83.9	35.3	6.8	0.3
1995	2,019.0	1.3	56.8	36.0	89.1	109.8	112.2	82.5	34.3	6.6	0.3
1994	2,036.0	1.4	58.9	37.6	91.5	111.1	113.9	81.5	33.7	6.4	0.3
1993	2,046.0	1.4	59.6	37.8	92.1	112.6	115.5	80.8	32.9	6.1	0.3
1992	2,065.0	1.4	60.7	37.8	94.5	114.6	117.4	80.2	32.5	5.9	0.3
1991	2,073.0	1.4	62.1	38.7	94.4	115.7	118.2	79.5	32.0	5.5	0.2
1990	2,081.0	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
1988	1,934.0	1.3	53.0	33.6	79.9	110.2	114.4	74.8	28.1	4.8	0.2
1987	1,872.0	1.3	50.6	31.7	78.5	107.9	111.6	72.1	26.3	4.4	0.2
1986	1,837.5	1.3	50.2	30.5	79.6	107.4	109.8	70.1	24.4	4.1	0.2
1985	1,844.0	1.2	51.0	31.0	79.6	108.3	111.0	69.1	24.0	4.0	0.2
1984 ²	1,806.5	1.2	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2
1983 ²	1,799.0	1.1	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 ²	1,827.5	1.1	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 ²	1,812.0	1.1	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2
1980 ²	1,839.5	1.1	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2
1979 ²	1,808.0	1.2	52.3	32.3	81.3	112.8	111.4	60.3	19.5	3.9	0.2
1978 ²	1,760.0	1.2	51.5	32.2	79.8	109.9	108.5	57.8	19.0	3.9	0.2
1977 ²	1,789.5	1.2	52.8	33.9	80.9	112.9	111.0	56.4	19.2	4.2	0.2
1976 ²	1,738.0	1.2	52.8	34.1	80.5	110.3	106.2	53.6	19.0	4.3	0.2
1975 ²	1,774.0	1.3	55.6	36.1	85.0	113.0	108.2	52.3	19.5	4.6	0.3
1974 ²	1,835.0	1.2	57.5	37.3	88.7	117.7	111.5	53.8	20.2	4.8	0.3
1973 ²	1,879.0	1.2	59.3	38.5	91.2	119.7	112.2	55.6	22.1	5.4	0.3
1972 ²	2,010.0	1.2	61.7	39.0	96.9	130.2	117.7	59.8	24.8	6.2	0.4
1971 ³	2,266.5	1.1	64.5	38.2	105.3	150.1	134.1	67.3	28.7	7.1	0.4
1970 ³	2,480.0	1.2	68.3	38.8	114.7	167.8	145.1	73.3	31.7	8.1	0.5
White											
1996	2,005.5	0.8	48.1	28.4	78.4	107.2	116.1	86.3	35.6	6.7	0.3
1995	1,989.0	0.8	50.1	30.0	81.2	106.3	114.8	84.6	34.5	6.4	0.3
1994	1,985.0	0.8	51.1	30.7	82.1	106.2	115.5	83.2	33.7	6.2	0.3
1993	1,982.0	0.8	51.1	30.3	82.1	106.9	116.6	82.1	32.7	5.9	0.3
1992	1,993.5	0.8	51.8	30.1	83.8	108.2	118.4	81.4	32.2	5.7	0.2
1991	1,995.5	0.8	52.8	30.7	83.5	109.0	118.8	80.5	31.8	5.2	0.2
1990	2,003.0	0.7	50.8	29.5	78.0	109.8	120.7	81.7	31.5	5.2	0.2
1989	1,931.0	0.7	47.9	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2
1988	1,856.5	0.6	44.4	26.0	69.6	103.7	114.8	75.4	27.7	4.5	0.2
1987	1,804.5	0.6	42.5	24.6	68.9	102.3	112.3	73.0	25.9	4.1	0.2
1986	1,776.0	0.6	42.3	23.8	70.1	102.7	110.8	70.9	23.9	3.8	0.2
1985	1,787.0	0.6	43.3	24.4	70.4	104.1	112.3	69.9	23.3	3.7	0.2
1984 ²	1,748.5	0.6	42.9	24.3	68.4	102.7	109.8	67.7	22.2	3.6	0.2
1983 ²	1,740.5	0.6	43.9	25.0	68.8	103.8	109.4	65.3	21.3	3.6	0.2
1982 ²	1,767.0	0.6	45.0	25.5	70.8	107.7	111.9	64.0	20.4	3.6	0.2
1981 ²	1,748.0	0.5	44.9	25.4	71.5	108.3	112.3	61.0	19.0	3.4	0.2
1980 ²	1,773.0	0.6	45.4	25.5	73.2	111.1	113.8	61.2	18.8	3.5	0.2
Black											
1996	2,144.0	3.6	91.4	64.7	132.5	136.8	98.2	63.3	29.1	6.1	0.3
1995	2,175.0	4.2	96.1	69.7	137.1	137.1	98.6	64.0	28.7	6.0	0.3
1994	2,300.0	4.6	104.5	76.3	148.3	146.0	104.0	65.8	28.9	5.9	0.3
1993	2,384.5	4.6	108.6	79.8	151.9	152.6	108.4	67.3	29.2	5.9	0.3
1992	2,442.0	4.7	112.4	81.3	157.9	158.0	111.2	67.5	28.8	5.6	0.2
1991	2,480.0	4.8	115.5	84.1	158.6	160.9	113.1	67.7	28.3	5.5	0.2
1990	2,480.0	4.9	112.8	82.3	152.9	160.2	115.5	68.7	28.1	5.5	0.3
1989	2,432.5	5.1	111.5	81.9	151.9	156.8	114.4	66.3	26.7	5.4	0.3
1988	2,298.0	4.9	102.7	75.7	142.7	149.7	108.2	63.1	25.6	5.1	0.3
1987	2,198.0	4.8	97.6	72.1	135.8	142.7	104.3	60.6	24.6	4.8	0.2
1986	2,135.5	4.7	95.8	69.3	135.1	137.3	101.1	59.3	23.8	4.8	0.3
1985	2,109.0	4.5	95.4	69.3	132.4	135.0	100.2	57.9	23.9	4.6	0.3
1984 ²	2,070.5	4.4	94.1	69.2	128.1	132.2	98.4	56.7	23.3	4.8	0.2
1983 ²	2,066.0	4.1	93.9	69.6	127.1	131.9	98.4	56.2	23.3	5.1	0.3
1982 ²	2,106.5	4.0	94.3	69.7	128.9	135.4	101.3	57.5	23.3	5.1	0.4
1981 ²	2,117.5	4.0	94.5	69.3	131.0	136.5	102.3	57.4	23.1	5.4	0.3
1980 ²	2,176.5	4.3	97.8	72.5	135.1	140.0	103.9	59.9	23.5	5.6	0.3

See footnotes at end of table.

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

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group, enumerated as of April 1 for 1970, 1980, and 1990, and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
American Indian ⁴											
1996	2,030.0	1.7	73.9	46.4	122.3	133.9	98.5	63.2	28.5	6.3	*
1995	2,033.5	1.8	78.0	47.8	130.7	132.5	98.4	62.2	27.7	6.1	*
1994	2,080.0	1.9	80.8	51.3	130.3	134.2	104.1	61.2	27.5	5.9	0.4
1993	2,141.0	1.4	83.1	53.7	130.7	139.8	107.6	62.8	27.6	5.9	*
1992	2,190.0	1.6	84.4	53.8	132.6	145.5	109.4	63.0	28.0	6.1	*
1991	2,169.0	1.6	85.0	52.7	134.3	144.9	106.9	61.9	27.2	5.9	0.4
1990	2,183.0	1.6	81.1	48.5	129.3	148.7	110.3	61.5	27.5	5.9	*
1989	2,247.0	1.5	82.7	51.6	128.9	152.4	114.2	64.8	27.4	6.4	*
1988	2,153.5	1.7	77.5	49.7	121.1	145.2	110.9	64.5	25.6	5.3	*
1987	2,099.0	1.7	77.2	48.8	122.2	140.0	107.9	63.0	24.4	5.6	*
1986	2,082.0	1.8	78.1	48.7	125.3	138.8	107.9	60.7	23.8	5.3	*
1985	2,128.0	1.7	79.2	47.7	124.1	139.1	109.6	62.6	27.4	6.0	*
1984 ²	2,136.0	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 ²	2,180.5	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 ²	2,213.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 ²	2,090.0	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 ²	2,162.5	1.9	82.2	51.5	129.5	143.7	106.6	61.8	28.1	8.2	*
Asian or Pacific Islander											
1996	1,907.5	0.6	24.6	14.9	40.4	70.7	111.2	109.2	52.2	12.2	0.8
1995	1,924.0	0.7	26.1	15.4	43.4	72.4	113.4	106.9	52.4	12.1	0.8
1994	1,943.0	0.7	27.1	16.1	44.1	73.1	118.6	105.2	51.3	11.6	1.0
1993	1,935.5	0.6	27.0	16.0	43.3	73.3	119.9	103.9	50.2	11.3	0.9
1992	1,942.0	0.7	26.6	15.2	43.1	74.6	121.0	103.0	50.6	11.0	0.9
1991	1,956.0	0.8	27.4	16.1	43.1	75.2	123.2	103.3	49.0	11.2	1.1
1990	2,002.5	0.7	26.4	16.0	40.2	79.2	126.3	106.5	49.6	10.7	1.1
1989	1,947.5	0.6	25.6	15.0	40.4	78.8	124.0	102.3	47.0	10.2	1.0
1988	1,983.5	0.6	24.2	13.6	39.6	80.7	128.0	104.4	47.5	10.3	1.0
1987	1,886.0	0.6	22.4	12.6	37.0	79.7	122.7	97.0	44.2	9.5	1.1
1986	1,836.0	0.5	22.8	12.1	38.8	79.2	119.9	92.6	41.9	9.3	1.0
1985	1,885.0	0.4	23.8	12.5	40.8	83.6	123.0	93.6	42.7	8.7	1.2
1984 ²	1,892.0	0.5	24.2	12.6	40.7	86.7	124.3	92.4	40.6	8.7	1.0
1983 ²	1,943.5	0.5	26.1	12.9	44.5	94.0	126.2	93.3	39.4	8.2	1.0
1982 ²	2,015.5	0.4	29.4	14.0	50.8	98.9	130.9	94.4	39.2	8.8	1.1
1981 ²	1,976.0	0.3	28.5	13.4	49.5	96.4	129.1	93.4	38.0	8.6	0.9
1980 ²	1,953.5	0.3	26.2	12.0	46.2	93.3	127.4	96.0	38.3	8.5	0.7

* Figure does not meet standards of reliability or precision.

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

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

³ Based on a 50-percent sample of births.

⁴ Includes births to Aleuts and Eskimos.

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

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

[Rates are live births per 1,000 women aged 15-44 years, enumerated as of April 1 for 1980 and 1990, and estimated as of July 1 for all other years. Figures for live-birth order not stated are distributed]

Year and race of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races ¹								
1996	65.3	26.8	21.1	10.5	4.1	1.5	0.9	0.3
1995	65.6	27.3	21.1	10.5	4.0	1.5	0.9	0.3
1994	66.7	27.5	21.5	10.7	4.2	1.6	1.0	0.3
1993	67.6	27.5	21.9	11.0	4.3	1.6	1.0	0.3
1992	68.9	27.8	22.3	11.3	4.4	1.7	1.0	0.3
1991	69.6	28.3	22.4	11.4	4.5	1.7	1.0	0.3
1990	70.9	29.0	22.8	11.7	4.5	1.7	1.0	0.3
1989	69.2	28.4	22.4	11.3	4.3	1.6	0.9	0.3
1988	67.3	27.6	22.0	10.9	4.1	1.5	0.9	0.3
1987	65.8	27.2	21.6	10.5	3.9	1.4	0.8	0.3
1986	65.4	27.2	21.6	10.3	3.8	1.4	0.8	0.3
1985	66.3	27.6	22.0	10.4	3.8	1.4	0.8	0.3
1984 ²	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 ²	65.7	27.8	21.5	10.1	3.7	1.4	0.9	0.3
1982 ²	67.3	28.6	22.0	10.2	3.8	1.4	0.9	0.3
1981 ²	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 ²	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
White								
1996	64.3	26.6	21.2	10.4	3.8	1.3	0.8	0.2
1995	64.4	26.9	21.1	10.3	3.8	1.3	0.7	0.2
1994	64.9	27.0	21.4	10.4	3.8	1.3	0.8	0.2
1993	65.4	27.0	21.7	10.5	3.9	1.4	0.8	0.2
1992	66.5	27.3	22.0	10.8	4.0	1.4	0.8	0.2
1991	67.0	27.8	22.0	10.8	4.0	1.4	0.8	0.2
1990	68.3	28.4	22.4	11.1	4.0	1.4	0.8	0.2
1989	66.4	27.6	21.9	10.7	3.8	1.3	0.7	0.2
1988	64.5	26.8	21.6	10.4	3.6	1.2	0.7	0.2
1987	63.3	26.5	21.3	10.0	3.5	1.2	0.7	0.2
1986	63.1	26.6	21.3	9.8	3.4	1.2	0.7	0.2
1985	64.1	27.0	21.8	9.9	3.4	1.2	0.7	0.2
1984 ²	63.2	26.8	21.4	9.6	3.3	1.2	0.7	0.2
1983 ²	63.4	27.2	21.2	9.5	3.3	1.2	0.7	0.2
1982 ²	64.8	28.0	21.6	9.6	3.4	1.2	0.7	0.3
1981 ²	64.8	28.4	21.1	9.5	3.4	1.2	0.8	0.3
1980 ²	65.6	28.8	21.3	9.6	3.4	1.3	0.8	0.3
Black								
1996	70.7	27.6	20.5	12.0	5.6	2.6	1.8	0.6
1995	72.3	28.7	20.7	12.0	5.7	2.6	1.8	0.6
1994	76.9	29.8	22.2	13.1	6.3	2.9	2.0	0.6
1993	80.5	30.2	23.4	14.1	6.9	3.1	2.2	0.7
1992	83.2	30.6	24.3	15.0	7.2	3.3	2.2	0.6
1991	85.2	31.5	25.0	15.4	7.4	3.3	2.1	0.6
1990	86.8	32.4	25.6	15.6	7.4	3.2	2.0	0.6
1989	86.2	32.9	25.4	15.3	7.1	3.0	1.9	0.6
1988	82.6	31.8	24.6	14.4	6.6	2.8	1.8	0.5
1987	80.1	31.2	23.8	13.9	6.3	2.7	1.7	0.5
1986	78.9	31.0	23.4	13.5	6.1	2.6	1.7	0.5
1985	78.8	31.0	23.4	13.4	6.1	2.6	1.7	0.5
1984 ²	78.1	30.9	23.0	13.2	6.0	2.6	1.7	0.6
1983 ²	78.7	31.1	23.1	13.2	6.1	2.7	1.8	0.6
1982 ²	80.9	31.7	23.9	13.8	6.3	2.7	1.8	0.7
1981 ²	82.0	32.3	24.2	13.7	6.3	2.8	1.9	0.8
1980 ²	84.9	33.7	24.7	14.0	6.5	2.9	2.1	0.9

¹ Includes races other than white and black.

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

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

Table 6. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-96

Measure and year	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
1996	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099
1995	3,899,589	679,768	469,615	54,824	12,473	94,996	47,860	3,160,495	2,382,638	587,781
1994	3,952,767	665,026	454,536	57,240	11,889	93,485	47,876	3,245,115	2,438,855	619,198
1993	4,000,240	654,418	443,733	58,102	11,916	92,371	48,296	3,295,345	2,472,031	641,273
1992 ³	4,049,024	643,271	432,047	59,569	11,472	89,031	51,152	3,365,862	2,527,207	657,450
1991 ³	4,094,566	623,085	411,233	59,833	11,058	86,908	54,053	3,434,464	2,589,878	666,758
1990 ⁴	4,092,994	595,073	385,640	58,807	11,311	83,008	56,307	3,457,417	2,626,500	661,701
1989 ⁵	3,903,012	532,249	327,233	56,229	10,842	72,443	65,502	3,297,493	2,526,367	611,269
Birth rate ⁶										
1996	14.7	24.8	27.4	17.9	10.7	⁷ 23.4		13.5	12.4	18.3
1995	14.8	25.2	26.9	19.7	11.0	⁷ 25.3		13.7	12.6	18.8
1994	15.2	25.5	27.0	21.4	10.8	⁷ 25.7		14.0	12.8	20.0
1993	15.5	26.0	27.4	21.9	10.5	⁷ 26.9		14.4	13.1	21.1
1992 ³	15.9	26.5	27.8	23.2	10.1	⁷ 27.9		14.8	13.5	21.9
1991 ⁸	16.3	26.7	29.2	21.0	10.1	⁷ 26.5		15.2	13.9	22.5
1990 ⁴	16.7	26.7	28.7	21.6	10.9	⁷ 27.5		15.7	14.4	23.0
1989 ⁵	16.3	26.2	25.7	23.7	10.0	⁷ 28.3		15.4	14.2	22.8
Fertility rate ⁹										
1996	65.3	104.9	119.3	71.3	58.9	⁷ 90.2		60.3	57.3	72.5
1995	65.6	105.0	117.0	75.7	55.1	⁷ 94.5		60.8	57.6	74.5
1994	66.7	105.6	115.4	81.9	55.9	⁷ 97.7		62.0	58.3	79.0
1993	67.6	106.9	114.8	82.5	55.5	⁷ 105.0		63.1	59.0	82.7
1992 ³	68.9	108.6	116.0	89.9	50.3	⁷ 107.0		64.4	60.2	85.5
1991 ⁸	69.6	108.1	121.6	80.9	49.1	⁷ 99.3		65.4	61.0	87.6
1990 ⁴	71.0	107.7	118.9	82.9	52.6	⁷ 102.7		67.1	62.8	89.0
1989 ⁵	69.2	104.9	106.6	86.6	49.8	⁷ 95.8		65.7	60.5	84.8

¹ Includes origin not stated.² Includes races other than white and black.³ Excludes data for New Hampshire, which did not report Hispanic origin.⁴ Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.⁵ Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.⁶ Live births per 1,000 population in specified group.⁷ Includes Central and South American and other and unknown Hispanic.⁸ Rates are estimated for the United States based on birth data for 49 States and the District of Columbia. Births for New Hampshire that did not report Hispanic origin, are included in the rates for non-Hispanic women; see Technical notes.⁹ Live births per 1,000 women aged 15-44 years in specified group.

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

Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1996

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

Live-birth order and origin of mother ¹	All ages	Age of mother												
		Under 15 years	15-19 years						20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15 years	16 years	17 years	18 years	19 years						
Hispanic														
Total	701,339	3,056	118,878	7,971	16,139	24,234	31,711	38,823	214,173	185,478	119,690	49,812	9,819	433
First child	265,986	2,961	89,249	7,475	14,272	19,565	22,896	25,041	93,352	49,769	22,387	6,977	1,244	47
Second child	209,983	74	23,932	420	1,601	4,045	7,220	10,646	75,151	62,973	34,555	11,490	1,746	62
Third child	124,529	2	4,109	11	128	391	1,179	2,400	31,609	43,255	31,308	12,173	2,012	61
Fourth child	55,839	-	547	-	3	33	140	371	9,388	18,329	17,277	8,686	1,545	67
Fifth child	22,618	-	57	-	2	3	10	42	2,389	6,445	7,676	4,828	1,172	51
Sixth child	9,495	-	4	-	-	-	1	3	584	2,287	3,253	2,537	808	22
Seventh child	4,196	-	2	-	-	-	1	1	115	813	1,400	1,369	460	37
Eighth child and over ..	3,815	-	1	-	-	-	-	1	47	375	1,091	1,442	777	82
Not stated	4,878	19	977	65	133	197	264	318	1,538	1,232	743	310	55	4
Mexican														
First child	489,666	2,241	86,524	5,815	11,820	17,624	22,982	28,283	157,857	129,621	76,400	30,600	6,151	272
Second child	181,056	2,179	64,674	5,445	10,438	14,220	16,481	18,090	67,124	31,392	11,647	3,392	626	22
Third child	144,241	50	17,746	313	1,189	2,982	5,349	7,913	56,525	43,484	19,843	5,719	852	22
Fourth child	88,857	1	3,017	9	100	270	854	1,784	23,874	32,246	21,118	7,447	1,124	30
Fifth child	41,534	-	378	-	3	26	103	246	6,991	14,123	12,955	6,039	1,000	48
Sixth child	17,217	-	39	-	2	3	7	27	1,737	4,965	5,957	3,631	854	34
Seventh child	7,331	-	3	-	-	-	1	2	431	1,764	2,522	1,962	636	13
Eighth child and over ..	3,250	-	-	-	-	-	-	-	76	577	1,118	1,071	379	29
Not stated	3,015	-	-	-	-	-	-	-	32	272	822	1,166	652	71
Puerto Rican	3,165	11	667	48	88	123	187	221	1,067	798	418	173	28	3
Cuban														
First child	54,863	337	12,363	916	1,724	2,603	3,334	3,786	16,592	13,075	8,392	3,468	617	19
Second child	21,887	323	8,940	861	1,498	2,024	2,313	2,244	6,443	3,633	1,873	571	99	5
Third child	16,507	8	2,605	43	183	468	794	1,117	5,583	4,360	2,790	1,002	154	5
Fourth child	9,032	-	519	-	11	57	158	293	2,823	2,756	1,906	867	158	3
Fifth child	3,868	-	93	-	-	6	18	69	1,064	1,267	902	461	80	1
Sixth child	1,570	-	16	-	-	-	3	13	318	514	408	255	56	3
Seventh child	648	-	1	-	-	-	-	1	86	214	203	116	28	-
Eighth child and over ..	305	-	-	-	-	-	-	-	22	105	86	77	14	1
Not stated	277	-	1	-	-	-	-	1	5	60	113	78	19	1
Cuban	769	6	188	12	32	48	48	48	248	166	111	41	9	-
Central and South American														
First child	97,888	206	10,110	553	1,254	1,904	2,760	3,639	23,943	27,881	22,802	10,661	2,179	106
Second child	38,437	198	8,068	522	1,137	1,604	2,164	2,641	12,597	9,660	5,573	1,971	356	14
Third child	30,607	5	1,703	30	102	265	501	805	7,607	9,944	7,677	3,138	512	21
Fourth child	17,199	1	259	-	9	25	74	151	2,749	5,405	5,592	2,642	530	21
Fifth child	6,788	-	26	-	-	-	8	18	666	1,835	2,365	1,539	343	14
Sixth child	2,545	-	-	-	-	-	-	-	158	587	901	690	196	13
Seventh child	1,000	-	-	-	-	-	-	-	33	186	345	320	107	9
Eighth child and over ..	396	-	-	-	-	-	-	-	7	61	124	153	45	6
Not stated	330	-	-	-	-	-	-	-	6	18	79	143	77	7
Other and unknown Hispanic	586	2	54	1	6	10	13	24	120	185	146	65	13	1
Other and unknown Hispanic														
First child	46,309	250	8,940	636	1,227	1,943	2,367	2,767	13,305	11,389	8,208	3,538	652	27
Second child	19,047	239	6,800	598	1,090	1,584	1,727	1,801	5,699	3,465	2,040	688	110	6
Third child	14,174	11	1,725	32	122	306	526	739	4,707	3,867	2,659	1,040	156	9
Fourth child	7,585	-	296	2	8	36	88	162	1,964	2,411	1,923	841	146	4
Fifth child	3,173	-	49	-	-	1	11	37	633	1,007	885	498	98	3
Sixth child	1,163	-	2	-	-	-	-	2	165	359	366	213	57	1
Seventh child	466	-	-	-	-	-	-	-	34	117	157	125	33	-
Eighth child and over ..	218	-	2	-	-	-	1	1	10	66	59	59	21	1
Not stated	170	-	-	-	-	-	-	-	4	22	64	49	28	3
Not stated	313	-	66	4	7	16	14	25	89	75	55	25	3	-

See footnotes at end of table.

Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1996—Con.

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

Live-birth order and origin of mother ¹	All ages	Age of mother												
		Under 15 years	15-19 years					20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	
			Total	15 years	16 years	17 years	18 years							19 years
Non-Hispanic														
Total ²	3,133,484	8,007	367,800	20,332	43,614	71,687	101,963	130,204	720,228	870,250	762,064	342,061	60,540	2,534
First child	1,301,780	7,786	288,905	19,355	39,599	60,883	78,761	90,307	344,628	345,825	222,199	78,562	13,314	561
Second child	1,024,248	173	64,259	865	3,559	9,425	19,288	31,122	240,344	303,821	283,857	114,052	17,214	528
Third child	491,760	4	11,290	32	226	999	3,085	6,948	93,575	139,776	155,402	78,752	12,510	451
Fourth child	181,194	1	1,624	-	24	92	376	1,132	28,306	49,072	58,037	36,651	7,218	285
Fifth child	66,019	-	199	1	4	12	31	151	7,910	17,171	21,235	15,491	3,814	199
Sixth child	27,331	-	32	-	-	2	4	26	2,020	6,455	9,194	7,395	2,132	103
Seventh child	12,790	-	9	-	1	1	2	5	513	2,598	4,360	3,875	1,345	90
Eighth child and over ..	13,719	-	8	-	-	-	1	7	198	1,576	3,871	5,176	2,591	299
Not stated	14,643	43	1,474	79	201	273	415	506	2,734	3,956	3,909	2,107	402	18
White														
Total	2,358,989	2,532	225,197	9,071	23,312	42,686	64,290	85,838	508,056	683,376	616,224	274,431	47,215	1,958
First child	992,907	2,479	185,808	8,844	22,000	38,220	52,931	63,813	260,283	284,304	183,442	65,035	11,088	468
Second child	794,021	41	34,018	199	1,165	4,059	10,028	18,567	172,565	245,168	234,789	93,219	13,792	429
Third child	367,592	1	4,230	4	55	253	1,045	2,873	57,247	105,460	126,841	63,806	9,625	382
Fourth child	124,926	-	382	-	3	21	72	286	13,146	32,494	44,498	28,724	5,463	219
Fifth child	40,282	-	36	-	-	2	10	24	2,566	9,218	14,312	11,280	2,737	133
Sixth child	15,243	-	8	-	-	1	-	7	450	2,723	5,451	5,064	1,488	59
Seventh child	6,727	-	3	-	-	-	1	2	115	831	2,261	2,521	933	63
Eighth child and over ..	7,212	-	2	-	-	-	1	1	51	378	1,647	3,158	1,786	190
Not stated	10,079	11	710	24	89	130	202	265	1,633	2,800	2,983	1,624	303	15
Black														
Total	578,099	5,084	127,616	10,301	18,367	26,134	33,616	39,198	174,958	129,002	91,050	42,279	7,835	275
First child	223,941	4,937	91,388	9,621	15,872	20,271	22,714	22,910	64,915	34,460	19,760	7,300	1,140	41
Second child	166,731	113	27,664	601	2,216	4,974	8,518	11,355	56,838	40,706	28,075	11,513	1,764	58
Third child	97,467	2	6,527	24	152	684	1,886	3,781	32,022	27,209	20,245	9,721	1,711	30
Fourth child	45,881	1	1,124	-	16	63	270	775	13,550	13,695	10,470	5,831	1,167	43
Fifth child	21,040	-	153	1	4	8	19	121	4,767	6,559	5,509	3,265	746	41
Sixth child	9,779	-	20	-	-	-	3	17	1,392	3,083	2,977	1,830	452	25
Seventh child	4,737	-	4	-	1	1	-	2	357	1,430	1,632	1,025	283	6
Eighth child and over ..	4,774	-	6	-	-	-	-	6	133	958	1,712	1,434	502	29
Not stated	3,749	31	730	54	106	133	206	231	984	902	670	360	70	2

- Quantity zero.

¹ Includes only births with stated origin of mother.² Includes races other than white and black.

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

Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1996

[Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and origin of mother	15-44 years ¹	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
Hispanic											
Total	104.9	2.6	101.8	69.0	151.1	189.5	161.0	98.1	45.1	10.8	0.6
First child	40.1	2.5	77.1	59.4	103.5	83.2	43.5	18.5	6.4	1.4	0.1
Second child	31.6	0.1	20.7	8.7	38.6	67.0	55.0	28.5	10.5	1.9	0.1
Third child	18.8	*	3.5	0.8	7.7	28.2	37.8	25.8	11.1	2.2	0.1
Fourth child	8.4	*	0.5	0.1	1.1	8.4	16.0	14.2	7.9	1.7	0.1
Fifth child	3.4	*	0.0	*	0.1	2.1	5.6	6.3	4.4	1.3	0.1
Sixth and seventh child	2.1	*	*	*	*	0.6	2.7	3.8	3.6	1.4	0.1
Eighth child and over	0.6	*	*	*	*	0.0	0.3	0.9	1.3	0.9	0.1
Mexican	119.3	2.8	120.7	83.4	174.3	206.3	176.9	103.7	47.6	12.0	0.7
First child	44.4	2.7	90.9	71.7	118.5	88.3	43.1	15.9	5.3	1.2	0.1
Second child	35.4	0.1	25.0	10.7	45.5	74.4	59.7	27.1	9.0	1.7	0.1
Third child	21.8	*	4.2	0.9	9.0	31.4	44.3	28.8	11.7	2.2	0.1
Fourth child	10.2	*	0.5	0.1	1.2	9.2	19.4	17.7	9.4	2.0	0.1
Fifth child	4.2	*	0.1	*	0.1	2.3	6.8	8.1	5.7	1.7	0.1
Sixth and seventh child	2.6	*	*	*	*	0.7	3.2	5.0	4.7	2.0	0.1
Eighth child and over	0.7	*	*	*	*	0.0	0.4	1.1	1.8	1.3	0.2
Puerto Rican	71.3	2.1	82.3	52.2	143.2	148.8	109.4	58.3	25.9	5.6	*
First child	28.8	2.0	60.4	44.4	92.9	58.7	30.8	13.2	4.3	0.9	*
Second child	21.8	*	17.6	7.0	38.9	50.8	36.9	19.6	7.6	1.4	*
Third child	11.9	*	3.5	0.7	9.2	25.7	23.3	13.4	6.5	1.5	*
Fourth child	5.1	*	0.6	*	1.8	9.7	10.7	6.4	3.5	0.7	*
Fifth child	2.1	*	*	*	*	2.9	4.4	2.9	1.9	0.5	*
Sixth and seventh child	1.3	*	*	*	*	1.0	2.7	2.0	1.5	0.4	*
Eighth child and over	0.4	*	*	*	*	*	0.5	0.8	0.6	*	*
Cuban	58.9	0.9	34.0	19.8	54.5	82.5	110.7	85.9	34.3	6.4	*
First child	26.0	0.9	27.8	17.8	42.3	49.9	51.2	27.8	7.9	1.5	*
Second child	20.9	*	5.5	1.9	10.8	24.4	41.6	35.2	13.2	2.1	*
Third child	8.7	*	*	*	*	6.7	13.8	17.1	8.4	1.6	*
Fourth child	2.2	*	*	*	*	1.1	3.1	3.8	3.3	0.7	*
Fifth child	0.6	*	*	*	*	*	0.6	1.0	0.9	*	*
Sixth and seventh child	0.4	*	*	*	*	*	*	0.9	0.5	*	*
Eighth child and over	0.1	*	*	*	*	*	*	*	*	*	*
Other Hispanic ²	90.2	2.4	69.8	46.6	103.1	166.5	146.3	105.3	50.4	11.0	0.7
First child	36.2	2.3	54.8	40.8	75.0	82.2	49.2	26.0	9.5	1.8	0.1
Second child	28.2	*	12.6	5.3	23.1	55.3	51.8	35.3	14.9	2.6	0.2
Third child	15.6	*	2.0	0.5	4.3	21.2	29.3	25.7	12.4	2.6	0.1
Fourth child	6.3	*	0.3	*	0.7	5.8	10.7	11.1	7.3	1.7	*
Fifth child	2.3	*	*	*	*	1.5	3.5	4.3	3.2	1.0	*
Sixth and seventh child	1.3	*	*	*	*	0.4	1.6	2.3	2.3	0.8	*
Eighth child and over	0.3	*	*	*	*	*	0.1	0.5	0.7	0.4	*

See footnotes at end of table.

Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1996—Con.

[Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and origin of mother	15-44 years ¹	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
Non-Hispanic ³											
Total ⁴	60.3	1.0	47.3	28.7	76.2	98.4	106.5	82.0	34.2	6.5	0.3
First child	25.2	1.0	37.3	25.5	55.7	47.3	42.6	24.1	7.9	1.4	0.1
Second child	19.8	0.0	8.3	2.9	16.6	33.0	37.3	30.7	11.5	1.8	0.1
Third child	9.5	*	1.5	0.3	3.3	12.8	17.2	16.8	7.9	1.3	0.1
Fourth child	3.5	*	0.2	0.0	0.5	3.9	6.0	6.3	3.7	0.8	0.0
Fifth child	1.3	*	0.0	*	0.1	1.1	2.1	2.3	1.6	0.4	0.0
Sixth and seventh child	0.8	*	0.0	*	0.0	0.3	1.1	1.5	1.1	0.4	0.0
Eighth child and over	0.3	*	*	*	*	0.0	0.2	0.4	0.5	0.3	0.0
White	57.3	0.4	37.6	20.6	63.7	90.1	107.0	83.5	34.0	6.2	0.3
First child	24.2	0.4	31.1	19.1	49.7	46.3	44.7	25.0	8.1	1.5	0.1
Second child	19.4	0.0	5.7	1.5	12.2	30.7	38.5	32.0	11.6	1.8	0.1
Third child	9.0	*	0.7	0.1	1.7	10.2	16.6	17.2	8.0	1.3	0.1
Fourth child	3.1	*	0.1	0.0	0.2	2.3	5.1	6.0	3.6	0.7	0.0
Fifth child	1.0	*	0.0	*	0.0	0.5	1.5	2.0	1.4	0.4	0.0
Sixth and seventh child	0.5	*	*	*	*	0.1	0.6	1.1	0.9	0.3	0.0
Eighth child and over	0.2	*	*	*	*	0.0	0.1	0.2	0.4	0.2	0.0
Black	72.5	3.8	94.2	66.6	136.6	140.9	100.8	64.9	29.7	6.2	0.3
First child	28.3	3.7	67.8	56.0	86.1	52.6	27.1	14.2	5.2	0.9	0.0
Second child	21.1	0.1	20.5	9.5	37.5	46.0	32.0	20.2	8.2	1.4	0.1
Third child	12.3	*	4.8	1.1	10.7	25.9	21.4	14.5	6.9	1.4	0.0
Fourth child	5.8	*	0.8	0.1	2.0	11.0	10.8	7.5	4.1	0.9	0.0
Fifth child	2.7	*	0.1	*	0.3	3.9	5.2	4.0	2.3	0.6	0.0
Sixth and seventh child	1.8	*	0.0	*	0.0	1.4	3.5	3.3	2.0	0.6	0.0
Eighth child and over	0.6	*	*	*	*	0.1	0.8	1.2	1.0	0.4	0.0

* Figure does not meet standards of reliability or precision.

0.0 Quantity more than zero but less than 0.05.

¹ Rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.² Includes Central and South American and other and unknown Hispanic.³ Includes origin not stated.⁴ Includes races other than white and black.

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

Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-96

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group, enumerated as of April 1 for 1990, and estimated as of July 1 for all other years]

Year and origin/race of mother	Total fertility rate	Fertility rate ¹	Age of mother									
			10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
				Total	15-17 years	18-19 years						
All origins												
1996	2,027.0	65.3	1.2	54.4	33.8	86.0	110.4	113.1	83.9	35.3	6.8	0.3
1995	2,019.0	65.6	1.3	56.8	36.0	89.1	109.8	112.2	82.5	34.3	6.6	0.3
1994	2,036.0	66.7	1.4	58.9	37.6	91.5	111.1	113.9	81.5	33.7	6.4	0.3
1993	2,046.0	67.6	1.4	59.6	37.8	92.1	112.6	115.5	80.8	32.9	6.1	0.3
1992	2,065.0	68.9	1.4	60.7	37.8	94.5	114.6	117.4	80.2	32.5	5.9	0.3
1991	2,073.0	69.6	1.4	62.1	38.7	94.4	115.7	118.2	79.5	32.0	5.5	0.2
1990	2,081.0	70.9	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	69.2	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
Hispanic												
Total												
1996	3,047.5	104.9	2.6	101.8	69.0	151.1	189.5	161.0	98.1	45.1	10.8	0.6
1995	3,019.5	105.0	2.7	106.7	72.9	157.9	188.5	153.8	95.9	44.9	10.8	0.6
1994	3,014.0	105.6	2.7	107.7	74.0	158.0	188.2	153.2	95.4	44.3	10.7	0.6
1993	3,020.5	106.9	2.7	106.8	71.7	159.1	188.3	154.0	96.4	44.7	10.6	0.6
1992 ²	3,043.0	108.6	2.6	107.1	71.4	159.7	190.6	154.4	96.8	45.6	10.9	0.6
1991 ²	3,002.5	108.1	2.4	106.7	70.6	158.5	186.3	152.8	96.1	44.9	10.7	0.6
1990 ³	2,959.5	107.7	2.4	100.3	65.9	147.7	181.0	153.0	98.3	45.3	10.9	0.7
1989 ⁴	2,903.5	104.9	2.3	100.8	—	—	184.4	146.6	92.1	43.5	10.4	0.6
Mexican												
1996	3,353.5	119.3	2.8	120.7	83.4	174.3	206.3	176.9	103.7	47.6	12.0	0.7
1995	3,273.5	117.0	2.8	124.6	84.4	185.3	208.9	160.5	98.5	46.8	11.9	0.7
1994	3,211.5	115.4	2.8	116.2	78.0	175.0	202.6	165.2	96.9	46.2	11.7	0.7
1993	3,174.0	114.8	2.6	108.7	71.6	164.9	196.6	168.2	100.5	46.1	11.3	0.8
1992 ²	3,196.5	116.0	2.5	108.8	—	—	202.3	166.3	99.1	47.7	11.8	0.8
1991 ²	3,317.5	121.6	2.6	117.3	75.9	178.4	209.9	168.2	103.3	49.1	12.3	0.8
1990 ³	3,214.0	118.9	2.5	108.0	69.7	162.2	200.3	165.3	104.4	49.1	12.4	0.8
1989 ⁴	2,916.5	106.6	2.0	94.5	—	—	184.3	153.7	96.1	41.0	11.1	0.6
Puerto Rican												
1996	2,163.0	71.3	2.1	82.3	52.2	143.2	148.8	109.4	58.3	25.9	5.6	*
1995	2,245.5	75.7	3.0	89.0	61.2	139.2	151.5	107.2	64.8	27.7	5.6	0.3
1994	2,490.0	81.9	3.2	106.0	72.8	168.4	181.0	111.7	62.3	28.0	5.6	0.2
1993	2,523.5	82.5	3.1	110.0	73.4	181.0	193.1	108.4	56.3	27.1	6.2	0.5
1992 ²	2,644.5	89.9	3.5	110.4	—	—	204.9	106.6	66.7	30.0	6.5	0.3
1991 ²	2,276.0	80.9	2.5	102.7	75.2	143.0	149.4	107.5	61.4	25.7	5.7	0.3
1990 ³	2,301.0	82.9	2.9	101.6	71.6	141.6	150.1	109.9	62.8	26.2	6.2	0.5
1989 ⁴	2,421.0	86.6	3.8	112.7	—	—	171.0	98.0	65.2	26.9	6.3	0.3
Cuban												
1996	1,774.5	58.9	0.9	34.0	19.8	54.5	82.5	110.7	85.9	34.3	6.4	*
1995	1,705.5	55.1	*	29.2	16.6	51.2	77.0	110.6	88.0	29.8	6.0	*
1994	1,680.5	55.9	0.6	40.2	23.1	77.4	72.5	98.4	87.6	31.3	5.5	*
1993	1,632.5	55.5	*	33.0	20.4	49.7	68.9	102.0	86.9	31.0	4.7	*
1992 ²	1,485.5	50.3	1.0	26.3	—	—	51.6	98.4	86.2	28.9	4.7	0.0
1991 ²	1,385.5	49.1	*	27.7	17.5	41.3	61.2	88.8	68.2	26.7	4.0	*
1990 ³	1,459.5	52.6	*	30.3	18.2	46.1	64.6	95.4	67.6	28.2	4.9	*
1989 ⁴	1,479.0	49.8	0.5	25.1	—	—	64.2	101.8	73.7	27.2	3.0	0.3
Other Hispanic ⁵												
1996	2,762.0	90.2	2.4	69.8	46.6	103.1	166.5	146.3	105.3	50.4	11.0	0.7
1995	2,834.0	94.5	2.4	77.5	54.8	107.8	158.3	161.8	103.7	50.9	11.6	0.6
1994	2,855.5	97.7	2.6	87.9	66.4	112.4	162.0	147.4	109.3	49.4	11.9	0.6
1993	3,038.5	105.0	2.7	106.9	78.2	141.7	175.2	147.1	110.4	52.4	12.5	0.5
1992 ²	3,076.0	107.0	2.5	112.1	—	—	172.9	157.8	106.6	50.3	12.5	0.5
1991 ²	2,817.0	99.3	2.1	88.1	58.9	128.8	161.1	150.6	101.5	48.2	11.2	0.6
1990 ³	2,877.0	102.7	2.1	86.0	57.2	123.8	162.9	155.8	106.9	49.4	11.6	0.7
1989 ⁴	2,683.0	95.8	1.7	66.4	—	—	159.2	150.4	85.1	60.3	12.7	0.8

See footnotes at end of table.

Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1989-96 -Con.

Year and race	Total fertility rate	Fertility rate ¹	Age of mother									
			10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
				Total	15-17 years	18-19 years						
Non-Hispanic ⁶												
Total ⁷												
1996	1,881.0	60.3	1.0	47.3	28.7	76.2	98.4	106.5	82.0	34.2	6.5	0.3
1995	1,881.0	60.8	1.1	49.6	30.7	79.0	98.5	106.4	80.9	33.2	6.2	0.3
1994	1,905.0	62.0	1.2	52.0	32.5	81.8	100.4	108.6	79.9	32.6	6.0	0.3
1993	1,918.5	63.1	1.2	52.9	33.1	82.6	102.5	110.4	79.0	31.7	5.7	0.3
1992 ²	1,941.0	64.4	1.2	54.4	33.2	85.5	104.7	112.7	78.4	31.2	5.4	0.2
1991 ²	1,959.5	65.4	1.3	56.1	34.4	86.1	106.6	114.0	77.8	30.8	5.1	0.2
1990 ³	1,979.5	67.1	1.3	54.8	33.8	81.4	108.1	116.5	79.2	30.7	5.1	0.2
1989 ⁴	1,921.0	65.7	1.3	53.4	—	—	107.8	113.4	74.7	28.6	4.8	0.2
White												
1996	1,795.5	57.3	0.4	37.6	20.6	63.7	90.1	107.0	83.5	34.0	6.2	0.3
1995	1,786.5	57.6	0.4	39.3	22.0	66.1	90.0	106.5	82.0	32.9	5.9	0.3
1994	1,792.0	58.3	0.5	40.4	22.8	67.4	90.9	107.9	80.7	32.1	5.7	0.2
1993	1,792.5	59.0	0.5	40.7	22.7	67.7	92.1	109.2	79.4	31.1	5.3	0.2
1992 ²	1,810.5	60.2	0.5	41.7	22.7	69.8	93.9	111.5	78.7	30.5	5.1	0.2
1991 ²	1,826.5	61.0	0.5	43.4	23.6	70.5	95.7	112.7	77.9	30.2	4.7	0.2
1990 ³	1,850.5	62.8	0.5	42.5	23.2	66.6	97.5	115.3	79.4	30.0	4.7	0.2
1989 ⁴	1,770.0	60.5	0.4	39.9	—	—	94.7	111.7	75.0	27.8	4.3	0.2
Black												
1996	2,204.0	72.5	3.8	94.2	66.6	136.6	140.9	100.8	64.9	29.7	6.2	0.3
1995	2,245.0	74.5	4.3	99.3	72.1	141.9	141.7	102.0	65.9	29.4	6.1	0.3
1994	2,365.0	79.0	4.7	107.7	78.6	152.9	150.3	107.0	67.5	29.5	6.0	0.3
1993	2,454.5	82.7	4.7	112.2	82.5	156.7	157.4	111.5	69.0	29.8	6.0	0.3
1992 ²	2,514.0	85.5	4.8	116.0	83.9	162.9	163.0	114.6	69.1	29.4	5.7	0.2
1991 ²	2,551.0	87.6	4.9	118.9	86.7	163.1	166.1	116.3	69.3	28.9	5.6	0.2
1990 ³	2,547.5	89.0	5.0	116.2	84.9	157.5	165.1	118.4	70.2	28.7	5.6	0.3
1989 ⁴	2,424.0	84.8	5.2	111.9	—	—	156.3	113.8	65.7	26.3	5.3	0.3

— Data not available.

* Figure does not meet standards of reliability or precision.

0.0 Quantity more than zero but less than 0.05.

¹ Rates computed by relating total births, regardless of age of mother, to women 15-44 years.² Excludes data for New Hampshire, which did not report Hispanic origin.³ Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.⁴ Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.⁵ Includes Central and South American and other and unknown Hispanic.⁶ Includes origin not stated.⁷ Includes races other than white and black.

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

Table 10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15-19 years by age of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence. Birth rates per 1,000 estimated population in each area; fertility rates per 1,000 women aged 15-44 years estimated in each area; total fertility rates are sums of birth rates for 5-year age groups multiplied by 5: birth rates by age are live births per 1,000 women in specified age group estimated in each area]

State	Number of births	Birth rate	Fertility rate	Total fertility rate	Teenage birth rate		
					15-19 years		
					Total	15-17 years	18-19 years
United States ¹	3,891,494	14.7	65.3	2,027.0	54.4	33.8	86.0
Alabama	60,488	14.2	62.1	1,909.0	69.2	45.3	104.1
Alaska	10,037	16.5	71.7	2,359.5	46.4	26.5	75.2
Arizona	75,322	17.0	77.1	2,386.5	73.9	48.9	110.7
Arkansas	36,371	14.5	67.1	2,065.5	75.4	44.9	121.7
California	539,433	16.9	74.8	2,295.0	62.6	39.2	99.1
Colorado	55,807	14.6	63.6	2,036.0	49.5	30.2	79.7
Connecticut	44,469	13.6	61.7	1,870.5	37.4	24.4	58.3
Delaware	10,155	14.0	59.8	1,838.5	56.9	41.0	79.9
District of Columbia	8,390	15.4	62.3	1,998.0	102.1	79.0	132.5
Florida	189,392	13.2	64.5	2,035.0	58.9	36.7	94.1
Georgia	114,043	15.5	64.5	2,001.5	68.2	45.4	103.3
Hawaii	18,401	15.5	72.5	2,299.5	48.1	28.0	76.2
Idaho	18,625	15.7	71.3	2,272.0	47.2	26.5	77.7
Illinois	183,180	15.5	69.0	2,135.5	57.1	36.1	90.9
Indiana	83,513	14.3	62.8	1,956.5	56.1	32.9	91.4
Iowa	37,139	13.0	60.5	1,908.0	37.8	21.4	63.6
Kansas	36,651	14.2	65.1	2,050.5	49.6	27.8	84.2
Kentucky	52,706	13.6	59.4	1,847.5	61.5	36.9	97.9
Louisiana	65,204	15.0	65.1	1,997.5	66.7	42.9	102.3
Maine	13,774	11.1	49.5	1,587.5	31.4	16.8	54.5
Maryland	71,533	14.1	60.1	1,859.5	46.1	29.6	72.3
Massachusetts	80,276	13.2	57.1	1,668.0	32.2	19.9	50.6
Michigan	133,387	13.9	61.1	1,904.5	46.5	28.2	75.5
Minnesota	63,700	13.7	60.6	1,894.0	32.1	18.5	54.2
Mississippi	40,987	15.1	65.6	1,962.5	75.5	52.1	110.5
Missouri	73,832	13.8	62.2	1,959.5	53.7	31.0	89.7
Montana	10,856	12.3	58.5	1,939.5	38.6	21.2	65.8
Nebraska	23,286	14.1	64.2	2,027.5	38.7	22.2	63.7
Nevada	26,125	16.3	75.5	2,411.5	69.6	42.1	113.5
New Hampshire	14,520	12.5	53.3	1,654.0	28.6	15.1	50.9
New Jersey	114,306	14.3	64.9	1,981.5	35.4	22.9	55.3
New Mexico	27,228	15.9	71.6	2,276.5	70.9	45.8	110.7
New York	263,963	14.5	64.7	1,958.5	41.8	25.6	66.4
North Carolina	104,470	14.3	62.9	1,953.5	63.5	40.8	97.5
North Dakota	8,347	13.0	60.6	1,893.5	32.3	16.1	58.1
Ohio	151,692	13.6	60.3	1,884.5	50.4	29.5	82.6
Oklahoma	46,193	14.0	65.0	2,029.0	63.4	37.2	104.7
Oregon	43,658	13.6	62.7	2,031.0	50.8	29.4	84.7
Pennsylvania	148,338	12.3	57.0	1,776.0	39.3	24.5	62.5
Rhode Island	12,652	12.8	56.9	1,720.0	42.5	27.3	65.7
South Carolina	51,117	13.8	59.5	1,827.5	62.9	41.3	94.2
South Dakota	10,473	14.3	66.6	2,121.0	39.5	22.4	66.0
Tennessee	73,754	13.9	60.9	1,905.0	66.1	40.2	105.8
Texas	330,406	17.3	75.0	2,321.0	73.5	48.8	111.3
Utah	42,087	21.0	89.0	2,656.0	42.8	24.3	68.6
Vermont	6,767	11.5	50.2	1,580.0	30.1	15.2	54.1
Virginia	92,354	13.8	58.4	1,784.5	45.5	27.7	71.6
Washington	77,945	14.1	62.0	1,977.0	45.0	26.1	74.5
West Virginia	20,750	11.4	52.5	1,632.5	50.3	28.7	81.9
Wisconsin	67,106	13.0	58.3	1,821.0	36.8	21.7	60.7
Wyoming	6,286	13.1	59.8	1,960.0	44.0	24.9	74.9
Puerto Rico	63,141	16.7	70.8	2,023.5	74.8	55.6	102.7
Virgin Islands	1,905	16.8	76.1	2,328.5	54.9	35.0	84.9
Guam	4,259	29.4	135.1	3,983.5	116.8	69.5	191.5

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

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

[By place of residence]

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

--- Data not available.

¹ Includes births to Aleuts and Eskimos.² Excludes data for Puerto Rico, Virgin Islands, and Guam.

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

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

[By place of residence]

State	All origins	Origin of mother									Not stated
		Hispanic						Non-Hispanic			
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ¹	White	Black	
United States ²	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099	56,671
Alabama	60,488	936	605	125	18	141	47	59,524	39,326	19,536	28
Alaska	10,037	651	249	51	8	59	284	9,363	6,300	387	23
Arizona	75,322	27,901	26,746	289	38	507	321	47,246	38,602	2,249	175
Arkansas	36,371	1,315	1,080	31	5	149	50	35,010	26,572	7,871	46
California	539,433	254,895	218,625	1,974	770	26,370	7,156	282,499	185,659	37,133	2,039
Colorado	55,807	12,375	8,142	180	39	355	3,659	43,106	38,667	2,452	326
Connecticut	44,469	5,651	319	3,808	88	1,130	306	36,700	30,617	4,845	2,118
Delaware	10,155	660	292	249	2	90	27	9,475	6,899	2,348	20
District of Columbia	8,390	777	33	10	1	688	45	7,530	1,247	6,131	83
Florida	189,392	35,699	7,021	6,513	8,624	11,860	1,681	153,554	107,900	41,305	139
Georgia	114,043	6,266	4,697	438	88	778	265	106,725	66,346	38,167	1,052
Hawaii	18,401	2,164	417	628	11	86	1,022	16,220	4,118	489	17
Idaho	18,625	2,180	1,849	10	1	62	258	16,179	15,614	72	266
Illinois	183,180	32,849	27,067	2,885	192	858	1,847	150,222	107,706	36,014	109
Indiana	83,513	2,950	2,307	258	22	137	226	80,311	70,539	8,759	252
Iowa	37,139	1,481	1,164	32	7	164	114	35,171	33,311	981	487
Kansas	36,651	3,225	2,781	64	15	136	229	33,106	29,288	2,740	320
Kentucky	52,706	555	349	59	22	85	40	52,074	46,727	4,830	77
Louisiana	65,204	1,267	400	165	60	177	465	63,870	36,184	26,438	67
Maine	13,774	115	22	5	4	13	71	13,248	12,951	80	411
Maryland	71,533	3,234	558	231	44	1,704	697	67,308	42,214	22,497	991
Massachusetts	80,276	7,732	282	4,080	109	3,014	247	71,608	62,052	5,886	936
Michigan	133,387	5,050	3,636	367	62	288	697	121,873	94,990	23,792	6,464
Minnesota	63,700	2,324	1,768	83	18	232	223	57,385	50,726	3,049	3,991
Mississippi	40,987	278	136	17	11	21	93	40,677	21,156	18,958	32
Missouri	73,832	1,516	1,131	75	23	145	142	72,238	59,757	11,089	78
Montana	10,856	298	173	12	3	7	103	10,226	8,894	31	332
Nebraska	23,286	1,866	1,436	25	12	184	209	20,984	19,050	1,193	436
Nevada	26,125	6,966	5,695	134	138	725	274	19,038	15,386	1,941	121
New Hampshire	14,520	231	58	73	3	13	84	13,925	13,649	98	364
New Jersey	114,306	19,451	2,292	7,188	875	8,893	203	93,691	67,216	19,227	1,164
New Mexico	27,228	13,255	4,871	58	56	91	8,179	13,971	10,085	439	2
New York	263,963	52,684	6,299	15,314	475	24,690	5,906	183,837	119,291	48,096	27,442
North Carolina	104,470	5,433	3,867	445	91	799	231	99,001	68,481	27,029	36
North Dakota	8,347	137	78	7	2	14	36	8,067	7,135	86	143
Ohio	151,692	3,004	1,323	1,147	44	207	283	148,325	124,295	21,876	363
Oklahoma	46,193	2,881	2,104	111	11	104	551	43,252	33,772	4,459	60
Oregon	43,658	5,458	5,049	59	39	208	103	38,144	34,990	873	56
Pennsylvania	148,338	6,737	838	4,599	99	698	503	141,199	117,509	20,237	402
Rhode Island	12,652	1,667	79	564	16	895	113	9,447	8,210	750	1,538
South Carolina	51,117	973	567	113	21	149	123	50,111	31,427	17,973	33
South Dakota	10,473	146	101	5	1	14	25	10,313	8,520	80	14
Tennessee	73,754	1,425	877	130	32	150	236	72,289	55,120	15,985	40
Texas	330,406	142,831	128,180	913	246	6,955	6,537	187,002	138,925	38,497	573
Utah	42,087	3,944	2,985	68	41	465	385	38,036	36,006	252	107
Vermont	6,767	39	8	10	1	8	12	6,431	6,357	13	297
Virginia	92,354	5,150	1,023	463	90	2,956	618	87,075	62,192	20,808	129
Washington	77,945	8,930	7,296	198	20	237	1,179	66,585	56,950	2,886	2,430
West Virginia	20,750	125	51	9	3	10	52	20,610	19,757	738	15
Wisconsin	67,106	3,139	2,319	580	10	158	72	63,948	54,863	6,386	19
Wyoming	6,286	523	421	11	2	9	80	5,755	5,441	48	8
Puerto Rico	63,141	---	---	---	---	---	---	---	---	---	63,141
Virgin Islands	1,905	321	8	234	-	22	57	1,505	98	1,359	79
Guam	4,259	45	24	9	1	3	8	4,186	390	44	28

- Quantity zero.

--- Data not available.

¹ Includes races other than white and black.² Excludes data for Puerto Rico, Virgin Islands, and Guam.

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

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

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

— Data not available.

¹ Includes births to Aleuts and Eskimos.² Rate per 1,000 population.³ Rate per 1,000 women aged 15-44 years.⁴ Rates are sums of birth rates for 5-year age groups multiplied by 5.⁵ Male live births per 1,000 female live births.

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

Table 14. Total number of births, rates, and percent of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1996

Characteristic	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
Births	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099
Rate										
Birth rate ³	14.7	24.8	27.4	17.9	10.7	⁷ 23.4		13.5	12.4	18.3
Fertility rate ⁴	65.3	104.9	119.3	71.3	58.9	⁷ 90.2		60.3	57.3	72.5
Total fertility rate ⁵	2,027.0	3,047.5	3,353.5	2,163.0	1,774.5	⁷ 2,762.0		1,881.0	1,795.5	2,204.0
Sex Ratio ⁶	1,047	1,041	1,039	1,037	1,044	1,046	1,058	1,048	1,053	1,027
Percent										
All births										
Births to mothers under 20 years	12.9	17.4	18.1	23.1	7.6	10.5	19.8	12.0	9.7	23.0
Fourth- and higher-order births	10.4	13.8	14.9	12.3	5.6	11.4	11.3	9.7	8.3	15.0
Births to unmarried mothers	32.4	40.7	37.9	60.7	24.7	44.1	43.5	30.6	21.5	70.0
Mothers completing 12 years or more of school	77.6	48.6	42.3	61.9	85.5	59.2	67.0	83.9	87.0	72.0
Mothers born in the 50 States and D.C.	80.8	38.2	38.2	61.5	36.9	8.1	74.6	90.2	95.1	91.0
Mothers born in the 50 States and D.C.										
Births to mothers under 20 years	13.9	26.1	27.2	25.3	12.1	23.5	23.2	12.8	9.9	24.5
Fourth- and higher-order births	9.8	11.3	11.9	11.0	4.7	5.0	11.0	9.6	8.2	15.1
Births to unmarried mothers	33.0	47.3	45.3	62.7	24.8	46.7	46.3	31.8	21.9	72.4
Mothers completing 12 years or more of school	82.0	63.6	61.7	62.1	86.9	77.4	68.9	83.7	86.8	71.1
Mothers born outside the 50 States and D.C.										
Births to mothers under 20 years	8.8	12.0	12.5	19.8	5.0	9.4	10.1	4.2	3.9	6.9
Fourth- and higher-order births	13.0	15.3	16.7	14.4	6.1	11.9	12.1	9.8	9.6	13.9
Births to unmarried mothers	29.2	36.6	33.3	57.4	24.7	43.8	34.0	19.0	13.6	45.2
Mothers completing 12 years or more of school	58.7	39.2	30.2	61.7	64.7	57.6	61.7	86.1	89.9	81.6

¹ Includes origin not stated.² Includes races other than white and black.³ Rate per 1,000 population.⁴ Rate per 1,000 women aged 15-44 years.⁵ Rates are sums of birth rates for 5-year age groups multiplied by 5.⁶ Male live births per 1,000 female live births.⁷ Includes Central and South American and other and unknown Hispanic.

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

Table 15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 1996

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

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

... Category not applicable.

¹ The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).² Includes races other than white and black.

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

Table 16. Live births by day of week and index of occurrence by method of delivery, day of week, and race of mother: United States, 1996

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

¹ Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

² Includes method of delivery not stated.

³ Includes races other than white and black.

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

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

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

— Data not available.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.³ Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.⁴ Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.

NOTES: For 45 States and the District of Columbia, marital status of mother is reported on the birth certificate; for 5 States, mother's marital status is inferred; see Technical notes. Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available.

Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-96, and by age, race and Hispanic origin of mother: United States, 1980-96

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

Year and race and Hispanic origin	Age of Mother								
	15-44 years ¹	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years ²
		Total	15-17 years	18-19 years					
All races ³									
1996 ⁴	44.8	42.9	29.0	65.9	70.7	56.8	41.1	20.1	4.8
1995 ⁴	45.1	44.4	30.5	67.6	70.3	56.1	39.6	19.5	4.7
1994 ⁴	46.9	46.4	32.0	70.1	72.2	59.0	40.1	19.8	4.7
1993 ⁴	45.3	44.5	30.6	66.9	69.2	57.1	38.5	19.0	4.4
1992 ⁴	45.2	44.6	30.4	67.3	68.5	56.5	37.9	18.8	4.1
1991 ⁴	45.2	44.8	30.9	65.7	68.0	56.5	38.1	18.0	3.8
1990 ⁴	43.8	42.5	29.6	60.7	65.1	56.0	37.6	17.3	3.6
1989 ⁴	41.6	40.1	28.7	56.0	61.2	52.8	34.9	16.0	3.4
1988 ⁴	38.5	36.4	26.4	51.5	56.0	48.5	32.0	15.0	3.2
1987 ⁴	36.0	33.8	24.5	48.9	52.6	44.5	29.6	13.5	2.9
1986 ⁴	34.2	32.3	22.8	48.0	49.3	42.2	27.2	12.2	2.7
1985 ⁴	32.8	31.4	22.4	45.9	46.5	39.9	25.2	11.6	2.5
1984 ^{4, 5}	31.0	30.0	21.9	42.5	43.0	37.1	23.3	10.9	2.5
1983 ^{4, 5}	30.3	29.5	22.0	40.7	41.8	35.5	22.4	10.2	2.6
1982 ^{4, 5}	30.0	28.7	21.5	39.6	41.5	35.1	21.9	10.0	2.7
1981 ^{4, 5}	29.5	27.9	20.9	39.0	41.1	34.5	20.8	9.8	2.6
1980 ^{4, 5}	29.4	27.6	20.6	39.0	40.9	34.0	21.1	9.7	2.6
1980 ^{5, 6}	28.4	27.5	20.7	38.7	39.7	31.4	18.5	8.4	2.3
1975 ^{5, 6}	24.5	23.9	19.3	32.5	31.2	27.5	17.9	9.1	2.6
1970 ^{6, 7}	26.4	22.4	17.1	32.9	38.4	37.0	27.1	13.6	3.5
White, total									
1996 ⁴	37.6	34.5	22.7	54.1	59.0	49.9	36.1	17.8	4.3
1995 ⁴	37.5	35.5	23.6	55.4	58.0	48.7	34.2	16.9	4.2
1994 ⁴	38.3	36.2	24.1	56.4	58.1	49.7	34.2	17.3	4.3
1993 ⁴	35.9	33.6	22.1	52.4	54.2	46.7	32.2	16.4	3.9
1992 ⁴	35.2	33.0	21.6	51.5	52.7	45.4	31.5	16.2	3.6
1991 ⁴	34.6	32.8	21.8	49.6	51.5	44.6	31.1	15.2	3.2
1990 ⁴	32.9	30.6	20.4	44.9	48.2	43.0	29.9	14.5	3.2
1989 ⁴	30.2	28.0	19.3	40.2	43.8	39.1	26.8	13.1	2.9
1988 ⁴	27.4	25.3	17.6	36.8	39.2	35.4	24.2	12.1	2.7
1987 ⁴	25.3	23.2	16.2	34.5	36.6	32.0	22.3	10.7	2.4
1986 ⁴	23.9	21.8	14.9	33.5	34.2	30.5	20.1	9.7	2.2
1985 ⁴	22.5	20.8	14.5	31.2	31.7	28.5	18.4	9.0	2.0
1984 ^{4, 5}	20.6	19.3	13.7	27.9	28.5	25.5	16.8	8.4	2.0
1983 ^{4, 5}	19.8	18.7	13.6	26.4	27.1	23.8	15.9	7.8	2.0
1982 ^{4, 5}	19.3	18.0	13.1	25.3	26.5	23.1	15.3	7.4	2.1
1981 ^{4, 5}	18.6	17.2	12.6	24.6	25.8	22.3	14.2	7.2	1.9
1980 ^{4, 5}	18.1	16.5	12.0	24.1	25.1	21.5	14.1	7.1	1.8
White, non-Hispanic									
1996 ⁴	28.3	27.0	16.9	43.8	44.5	35.7	26.6	13.9	3.3
1995 ⁴	28.2	27.7	17.6	44.5	43.8	34.9	25.3	13.0	3.2
1994 ⁴	28.5	28.1	18.0	45.0	43.8	35.0	24.8	12.9	3.1
1993 ⁴	---	---	---	---	---	---	---	---	---
1992 ⁴	---	---	---	---	---	---	---	---	---
1991 ⁴	---	---	---	---	---	---	---	---	---
1990 ^{4, 8}	24.4	25.0	16.2	37.0	36.4	30.3	20.5	6.1	---

See footnotes at end of table.

Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-96, and by age, race and Hispanic origin of mother: United States, 1980-96--Con.

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

Year and race	Age of Mother								
	15-44 years ¹	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years ²
		Total	15-17 years	18-19 years					
Black									
1996 ⁴	74.4	89.2	64.0	129.2	125.8	84.5	54.5	25.5	6.1
1995 ⁴	75.9	92.8	68.6	131.2	127.7	84.8	54.3	25.6	6.0
1994 ⁴	82.1	100.9	75.1	141.6	138.1	93.6	57.2	26.3	5.9
1993 ⁴	84.0	102.4	76.8	141.6	142.2	94.5	57.3	25.9	5.8
1992 ⁴	86.5	105.9	78.0	147.8	144.3	98.2	57.7	25.8	5.4
1991 ⁴	89.5	108.5	80.4	148.7	147.5	100.9	60.1	25.6	5.4
1990 ⁴	90.5	106.0	78.8	143.7	144.8	105.3	61.5	25.5	5.1
1989 ⁴	90.7	104.5	78.9	140.9	142.4	102.9	60.5	24.9	5.0
1988 ⁴	86.5	96.1	73.5	130.5	133.6	97.2	57.4	24.1	5.0
1987 ⁴	82.6	90.9	69.9	123.0	126.1	91.6	53.1	22.4	4.7
1986 ⁴	79.0	88.5	67.0	121.1	118.0	84.6	50.0	20.6	4.4
1985 ⁴	77.0	87.6	66.8	117.9	113.1	79.3	47.5	20.4	4.3
1984 ^{4, 5}	75.2	86.1	66.5	113.6	107.9	77.8	43.8	19.4	4.3
1983 ^{4, 5}	76.2	85.5	66.8	111.9	107.2	79.7	43.8	19.4	4.8
1982 ^{4, 5}	77.9	85.1	66.3	112.7	109.3	82.7	44.1	19.5	5.2
1981 ^{4, 5}	79.4	85.0	65.9	114.2	110.7	83.1	45.5	19.6	5.6
1980 ^{4, 5}	81.1	87.9	68.8	118.2	112.3	81.4	46.7	19.0	5.5
Hispanic ⁹									
1996 ⁴	93.2	74.5	53.4	110.4	146.5	139.1	90.8	42.3	12.3
1995 ⁴	95.0	78.7	56.3	117.9	148.9	133.8	89.2	43.4	12.2
1994 ⁴	101.2	82.6	59.0	123.6	154.8	141.6	95.5	48.4	14.0
1993 ⁴	95.2	74.6	51.9	114.6	140.5	137.7	90.9	47.8	14.1
1992 ⁴	95.3	72.9	51.0	110.5	142.2	138.3	91.8	48.1	14.5
1991 ⁴	93.7	72.4	50.5	109.6	135.4	137.5	89.1	47.7	14.2
1990 ⁴	89.6	65.9	45.9	98.9	129.8	131.7	88.1	50.8	13.7

— Data not available.

¹ Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.² Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.³ Includes races other than white and black.⁴ Data for States in which marital status was not reported have been inferred and included with data from the remaining States; see Technical notes.⁵ Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.⁶ Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see Technical notes.⁷ Based on a 50-percent sample of births.⁸ Rates for 1990 based on data for 48 States and the District of Columbia which reported Hispanic origin on the birth certificate. Rate shown for ages 35-39 years is based on births to unmarried women aged 35-44 years.⁹ Persons of Hispanic origin may be of any race.

NOTE: Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available.

Table 19. Number and percent of births to unmarried women by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

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

* Figure does not meet standards of reliability or precision.

— Data not available.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.³ Excludes data for Puerto Rico, Virgin Islands, and Guam.

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

[Rates are live births per 1,000 men in specified group, enumerated as of April 1 for 1980 and 1990 and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	15-54 years ¹	Age of father								
		15-19 years ²	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55 years and over
All races ³										
1996	51.1	23.0	84.4	107.7	94.3	51.5	20.4	6.9	2.5	0.3
1995	52.0	24.3	86.0	107.2	93.3	51.0	20.3	7.1	2.6	0.3
1994	53.2	25.0	87.3	108.8	93.3	50.9	20.2	7.2	2.6	0.3
1993	54.4	24.8	87.1	110.8	93.5	51.1	20.2	7.3	2.7	0.4
1992	55.8	24.6	87.7	113.1	94.2	51.3	20.4	7.3	2.7	0.4
1991	57.1	24.8	88.0	114.7	95.1	51.8	20.2	7.5	2.7	0.4
1990	58.4	23.5	88.0	116.4	97.8	53.0	21.0	7.5	2.8	0.4
1989	57.2	21.9	85.4	114.3	94.8	51.3	20.4	7.4	2.7	0.6
1988	55.8	19.6	82.4	111.6	93.2	49.9	19.9	7.1	2.7	0.4
1987	55.0	18.3	80.5	109.9	91.2	48.6	19.0	6.9	2.6	0.4
1986	54.8	17.9	80.3	109.6	90.3	46.8	18.3	6.7	2.6	0.4
1985	55.6	18.0	81.2	112.3	91.1	47.3	18.1	6.6	2.5	0.4
1984 ⁴	55.0	17.8	80.7	111.4	89.9	46.0	17.8	6.3	2.4	0.4
1983 ⁴	55.1	18.2	82.6	113.0	89.1	45.2	17.4	6.4	2.3	0.4
1982 ⁴	56.4	18.6	86.5	117.3	90.3	44.5	17.5	6.4	2.3	0.4
1981 ⁴	56.3	18.4	88.4	119.1	88.7	43.3	17.0	6.2	2.3	0.4
1980 ⁴	57.0	18.8	92.0	123.1	91.0	42.8	17.1	6.1	2.2	0.3
White										
1996	48.4	18.8	77.2	106.4	94.0	50.2	19.0	6.2	2.1	0.2
1995	49.2	19.7	78.5	105.7	92.9	49.6	19.0	6.3	2.2	0.2
1994	50.0	19.8	78.5	106.4	92.5	49.3	18.9	6.3	2.2	0.3
1993	50.9	19.2	77.9	108.0	92.4	49.2	18.6	6.4	2.2	0.2
1992	52.2	18.9	78.2	110.1	93.2	49.3	18.8	6.4	2.2	0.3
1991	53.3	19.1	78.4	111.5	93.6	49.7	18.5	6.5	2.2	0.3
1990	54.6	18.1	78.3	113.2	96.1	50.9	19.2	6.5	2.2	0.3
1989	53.3	16.7	75.9	110.8	93.0	49.1	18.7	6.3	2.1	0.4
1988	52.2	14.8	73.7	108.3	91.2	47.6	18.1	6.1	2.1	0.3
1987	51.6	13.9	72.8	107.0	89.5	46.2	17.3	5.9	2.0	0.3
1986	51.7	13.8	73.3	107.0	88.7	44.4	16.6	5.7	2.0	0.3
1985	52.6	14.0	74.7	109.9	89.5	44.8	16.3	5.6	1.9	0.3
1984 ⁴	51.8	14.0	74.3	108.8	87.9	43.5	16.0	5.3	1.9	0.3
1983 ⁴	52.0	14.4	76.3	110.2	86.8	42.6	15.5	5.3	1.8	0.3
1982 ⁴	53.1	14.9	80.1	114.2	87.5	41.7	15.6	5.3	1.9	0.3
1981 ⁴	52.9	15.0	81.7	115.8	85.8	40.3	15.0	5.2	1.8	0.3
1980 ⁴	53.4	15.4	84.9	119.4	87.8	39.7	15.0	5.1	1.8	0.3
Black										
1996	68.3	47.2	138.0	127.2	89.3	52.3	25.7	11.6	5.5	1.1
1995	70.1	50.5	140.5	126.6	89.6	52.6	25.7	12.1	5.6	1.1
1994	74.9	54.6	150.5	131.9	92.9	54.2	26.4	13.0	6.0	1.1
1993	78.3	56.6	153.8	136.0	95.3	56.6	27.7	13.5	6.4	1.3
1992	81.0	57.4	158.0	140.1	96.8	56.9	28.4	13.9	6.2	1.4
1991	83.4	58.0	158.5	143.3	100.1	58.8	29.4	14.2	6.7	1.4
1990	84.9	55.2	158.2	144.9	103.2	60.4	31.1	15.0	7.1	1.4
1989	84.1	52.9	153.4	143.5	101.4	59.9	31.1	14.9	6.9	2.7
1988	80.7	48.1	144.1	137.9	100.0	58.0	30.6	14.3	6.9	1.4
1987	78.3	44.6	136.1	133.9	97.4	58.0	30.0	13.8	6.6	1.3
1986	77.2	42.6	131.4	131.6	97.4	58.0	29.1	13.5	6.7	1.3
1985	77.2	41.8	129.5	132.7	97.3	59.4	29.5	13.3	6.5	1.2
1984 ⁴	76.7	40.9	128.0	132.2	98.3	58.4	29.3	13.3	6.1	1.2
1983 ⁴	77.2	40.7	129.1	134.4	99.0	59.6	29.6	13.5	6.0	1.2
1982 ⁴	79.5	40.3	133.4	141.2	103.6	61.1	29.6	13.9	6.0	1.2
1981 ⁴	80.4	38.9	138.4	145.6	104.3	61.3	29.7	13.3	5.7	1.2
1980 ⁴	83.0	40.1	145.3	152.8	109.6	62.0	31.2	13.6	5.9	1.1

¹ Rates computed by relating total births, regardless of age of father, to men aged 15-54 years.

² Rates computed by relating births of fathers under 20 years of age to men aged 15-19 years.

³ Includes races other than white and black.

⁴ Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

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

Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race of mother: United States, 1996

Age and race of mother	Total	Years of school completed by mother						Percent 12 years or more	Percent 16 years or more
		0-8 years	9-11 years	12 years	13-15 years	16 years or more	Not Stated		
All races ¹									
All ages	3,891,494	233,596	626,175	1,281,198	847,139	847,824	55,562	77.6	22.1
Under 15 years	11,148	8,455	2,317	-	-	-	376	-	-
15-19 years	491,577	45,535	261,949	153,821	22,254	-	8,018	36.4	-
15 years	28,540	9,440	18,342	-	-	-	758	-	-
16 years	60,287	8,316	49,260	1,555	-	-	1,156	2.6	-
17 years	96,894	8,150	72,782	14,000	323	-	1,639	15.0	-
18 years	135,059	9,102	65,114	54,853	3,949	-	2,041	44.2	-
19 years	170,797	10,527	56,451	83,413	17,982	-	2,424	60.2	-
20-24 years	945,210	63,020	187,992	414,079	219,077	47,694	13,348	73.1	5.1
25-29 years	1,071,287	53,792	99,745	357,007	279,400	267,152	14,191	85.5	25.3
30-34 years	897,913	37,532	50,607	238,990	218,714	340,048	12,022	90.1	38.4
35-39 years	399,510	19,576	19,830	100,150	91,401	162,427	6,126	90.0	41.3
40 years and over	74,849	5,686	3,735	17,151	16,293	30,503	1,481	87.2	41.6
White									
All ages	3,093,057	202,837	456,141	992,327	673,793	728,558	39,401	78.4	23.9
Under 15 years	5,526	4,195	1,133	-	-	-	198	-	-
15-19 years	344,685	37,168	178,776	108,439	15,050	-	5,252	36.4	-
15 years	16,978	5,980	10,566	-	-	-	432	-	-
16 years	39,401	6,385	31,228	1,052	-	-	736	2.7	-
17 years	66,997	6,980	49,296	9,445	227	-	1,049	14.7	-
18 years	96,246	8,187	46,154	37,887	2,656	-	1,362	42.7	-
19 years	125,063	9,636	41,532	60,055	12,167	-	1,673	58.5	-
20-24 years	726,669	58,273	143,121	313,425	164,541	37,759	9,550	71.9	5.3
25-29 years	878,449	48,504	78,562	284,959	226,946	229,276	10,202	85.4	26.4
30-34 years	747,436	33,179	37,850	192,765	179,995	294,919	8,728	90.4	39.9
35-39 years	329,782	16,931	14,164	79,655	74,209	140,416	4,407	90.4	43.2
40 years and over	60,510	4,587	2,535	13,084	13,052	26,188	1,064	88.0	44.1
Black									
All ages	594,781	18,573	145,688	229,655	131,046	58,299	11,520	71.8	10.0
Under 15 years	5,193	3,961	1,084	-	-	-	148	-	-
15-19 years	130,596	7,224	74,679	40,008	6,306	-	2,379	36.1	-
15 years	10,498	3,145	7,066	-	-	-	287	-	-
16 years	18,753	1,719	16,232	441	-	-	361	2.4	-
17 years	26,775	994	21,175	4,025	79	-	502	15.6	-
18 years	34,394	711	16,982	15,005	1,124	-	572	47.7	-
19 years	40,176	655	13,224	20,537	5,103	-	657	64.9	-
20-24 years	179,361	2,486	38,471	84,024	44,520	6,974	2,886	76.8	4.0
25-29 years	133,204	1,913	16,592	54,729	38,536	18,781	2,653	85.8	14.4
30-34 years	94,295	1,584	9,680	33,483	27,524	19,898	2,126	87.8	21.6
35-39 years	43,716	1,067	4,303	14,635	12,044	10,570	1,097	87.4	24.8
40 years and over	8,416	338	879	2,776	2,116	2,076	231	85.1	25.4

- Quantity zero.

¹ Includes races other than white and black.

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

Table 22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation, race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1996

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

... Category not applicable.

¹ Expressed in completed weeks.² Includes births with period of gestation not stated.³ Includes races other than white and black and origin not stated.⁴ Persons of Hispanic origin may be of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

Table 23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1996

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

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

¹ Expressed in completed weeks.² Includes births with period of gestation not stated.³ Includes races other than white and black and origin not stated.⁴ Persons of Hispanic origin may be of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

Table 24. Percent of births with selected medical or health characteristics, by specified race of mother, by place of birth of mother: United States, 1996

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

* Figure does not meet standards of reliability or precision.

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

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

Table 25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1996

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

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

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

Table 26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 1996

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

Medical risk factor and race of mother	All births ¹	Medical risk factor reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ²										
Anemia	3,891,494	75,400	19.6	28.5	23.7	17.5	15.2	15.2	16.3	51,830
Cardiac disease	3,891,494	19,226	5.0	3.1	3.6	4.9	6.3	7.3	8.8	51,830
Acute or chronic lung disease	3,891,494	32,006	8.3	11.3	9.3	7.5	7.0	7.6	8.4	51,830
Diabetes	3,891,494	100,845	26.3	8.6	16.5	25.8	34.4	47.4	64.5	51,830
Genital herpes ³	3,561,088	31,795	9.1	6.4	7.8	8.9	10.3	12.0	13.0	48,599
Hydramnios/Oligohydramnios	3,891,494	47,824	12.5	13.9	12.8	11.5	11.7	13.3	16.7	51,830
Hemoglobinopathy	3,891,494	2,979	0.8	1.1	0.9	0.7	0.6	0.7	0.7	51,830
Hypertension, chronic	3,891,494	26,221	6.8	2.4	4.1	6.0	8.5	13.9	24.5	51,830
Hypertension, pregnancy-associated	3,891,494	137,724	35.9	42.1	35.9	34.5	32.7	36.7	46.4	51,830
Eclampsia	3,891,494	13,591	3.5	5.3	3.9	3.1	2.8	3.3	4.4	51,830
Incompetent cervix	3,891,494	9,817	2.6	1.1	1.9	2.6	3.2	4.1	4.4	51,830
Previous infant 4000+ grams	3,891,494	42,170	11.0	1.4	6.4	11.5	15.9	19.3	22.9	51,830
Previous preterm or small-for-gestational-age infant	3,891,494	44,875	11.7	5.0	11.7	12.0	13.1	15.0	17.2	51,830
Renal disease ⁴	3,831,006	10,372	2.7	3.3	3.2	2.7	2.3	2.2	2.5	52,640
Rh sensitization ⁵	3,854,843	24,396	6.4	5.2	6.0	6.6	6.9	7.3	6.8	53,060
Uterine bleeding ³	3,561,088	25,671	7.3	5.3	6.3	7.4	8.1	9.2	10.2	48,599
White										
Anemia	3,093,057	51,039	16.7	24.3	19.8	15.2	13.5	13.7	14.5	42,372
Cardiac disease	3,093,057	16,109	5.3	3.0	3.6	5.3	6.6	7.6	9.4	42,372
Acute or chronic lung disease	3,093,057	24,640	8.1	10.7	8.8	7.4	7.1	7.6	8.3	42,372
Diabetes	3,093,057	78,249	25.6	8.8	16.5	25.0	32.3	44.1	60.3	42,372
Genital herpes ³	2,811,247	25,488	9.2	5.7	7.1	8.8	11.0	13.1	14.8	39,542
Hydramnios/Oligohydramnios	3,093,057	36,264	11.9	13.1	12.4	10.9	11.3	12.7	15.9	42,372
Hemoglobinopathy	3,093,057	981	0.3	0.3	0.3	0.3	0.3	0.4	0.5	42,372
Hypertension, chronic	3,093,057	18,134	5.9	2.1	3.6	5.4	7.2	11.4	19.4	42,372
Hypertension, pregnancy-associated	3,093,057	110,492	36.2	42.4	36.9	35.3	32.9	36.1	45.8	42,372
Eclampsia	3,093,057	10,072	3.3	4.7	3.6	3.0	2.7	3.1	4.2	42,372
Incompetent cervix	3,093,057	7,043	2.3	1.0	1.6	2.2	2.9	3.9	4.2	42,372
Previous infant 4000+ grams	3,093,057	38,111	12.5	1.5	7.0	12.7	17.6	21.5	25.9	42,372
Previous preterm or small-for-gestational-age infant	3,093,057	34,242	11.2	4.4	10.8	11.4	12.8	14.6	16.8	42,372
Renal disease ⁴	3,052,835	8,620	2.9	3.6	3.4	2.8	2.4	2.3	2.7	43,122
Rh sensitization ⁵	3,060,288	22,024	7.3	6.2	6.8	7.4	7.7	8.3	7.8	43,469
Uterine bleeding ³	2,811,247	21,195	7.6	5.8	6.6	7.7	8.3	9.4	10.6	39,542
Black										
Anemia	594,781	19,881	33.8	37.9	37.8	31.1	28.2	26.2	26.7	6,765
Cardiac disease	594,781	2,554	4.3	3.4	4.0	3.9	5.6	6.6	8.1	6,765
Acute or chronic lung disease	594,781	6,348	10.8	13.1	11.8	9.2	8.5	9.1	11.8	6,765
Diabetes	594,781	14,568	24.8	7.7	15.7	27.6	42.0	58.5	80.2	6,765
Genital herpes ³	555,925	5,464	9.9	8.4	11.4	11.2	8.9	7.2	8.0	6,557
Hydramnios/Oligohydramnios	594,781	9,140	15.5	16.1	14.7	14.7	15.9	17.5	23.3	6,765
Hemoglobinopathy	594,781	1,844	3.1	3.2	3.5	3.2	2.6	2.7	2.5	6,765
Hypertension, chronic	594,781	7,094	12.1	3.3	6.6	11.6	20.5	35.2	63.6	6,765
Hypertension, pregnancy-associated	594,781	22,099	37.6	41.9	33.6	34.9	37.4	45.3	57.5	6,765
Eclampsia	594,781	2,941	5.0	6.8	4.7	4.0	4.4	4.9	6.4	6,765
Incompetent cervix	594,781	2,465	4.2	1.5	3.1	5.5	7.0	6.7	6.6	6,765
Previous infant 4000+ grams	594,781	2,657	4.5	1.0	3.6	5.7	7.4	8.5	9.5	6,765
Previous preterm or small-for-gestational-age infant	594,781	8,748	14.9	6.6	15.8	18.0	18.1	19.1	21.4	6,765
Renal disease ⁴	575,206	1,335	2.3	2.4	2.7	2.2	2.0	1.9	2.5	6,819
Rh sensitization ⁵	592,015	1,967	3.4	3.2	3.3	3.2	3.8	3.7	3.6	6,867
Uterine bleeding ³	555,925	3,227	5.9	4.4	5.3	6.4	7.1	7.8	7.4	6,557

¹ Total number of births to residents of areas reporting specified medical risk factor.² Includes races other than white and black.³ Texas does not report this risk factor.⁴ Alabama does not report this risk factor.⁵ Kansas does not report this risk factor.

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

Table 27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by specified race of mother: United States, 1996

[Rates are number of live births with specified risk factors, complications, or procedures per 1,000 live births in specified group]

Medical risk factor, complication, and obstetric procedure	All races	White	Black	American Indian ¹	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
					Number					
Medical risk factors										
Anemia	75,400	51,039	19,881	1,788	2,692	280	132	211	456	1,613
Diabetes	100,845	78,249	14,568	1,717	6,311	1,231	226	166	1,272	3,416
Hypertension, pregnancy-associated	137,724	110,492	22,099	1,902	3,231	366	165	170	870	1,860
Uterine bleeding ²	25,671	21,195	3,227	299	950	171	85	59	187	448
Complications of labor and/or delivery										
Meconium, moderate/heavy	223,536	163,798	48,020	2,266	9,452	1,552	349	384	1,980	5,187
Premature rupture of membrane	113,112	86,973	19,710	1,608	4,821	842	349	219	909	2,502
Dysfunctional labor	105,749	85,113	15,076	1,295	4,265	752	297	220	768	2,228
Breech/Malpresentation	146,431	121,992	17,526	1,355	5,558	951	344	245	1,091	2,927
Cephalopelvic disproportion	90,105	73,728	11,344	771	4,262	806	218	157	953	2,128
Fetal distress ³	147,814	111,299	29,961	1,272	5,282	818	205	169	1,008	3,082
Obstetric procedures										
Amniocentesis	124,711	106,391	10,722	824	6,774	1,834	795	234	1,310	2,601
Electronic fetal monitoring	3,184,945	2,540,938	487,391	29,711	126,905	21,944	6,995	4,781	23,462	69,723
Induction of labor	653,877	554,925	73,716	6,419	18,817	3,020	1,171	965	3,256	10,405
Ultrasound ⁴	2,457,576	1,992,208	344,461	22,605	98,302	17,349	6,028	3,839	18,788	52,298
Stimulation of labor	652,196	529,023	91,358	5,555	26,260	4,721	1,426	781	4,226	15,106
Rate										
Medical risk factors										
Anemia	19.6	16.7	33.8	48.3	16.4	9.9	14.9	35.9	14.7	17.9
Diabetes	26.3	25.6	24.8	46.4	38.5	43.6	25.6	28.2	41.1	37.9
Hypertension, pregnancy-associated	35.9	36.2	37.6	51.4	19.7	13.0	18.7	28.9	28.1	18.4
Uterine bleeding ²	7.3	7.6	5.9	8.3	6.1	6.3	9.9	10.1	6.3	5.3
Complications of labor and/or delivery										
Meconium, moderate/heavy	58.1	53.6	81.5	61.1	57.5	54.9	39.5	65.2	63.9	57.4
Premature rupture of membrane	29.4	28.4	33.4	43.4	29.3	29.8	39.5	37.2	29.3	27.7
Dysfunctional labor	27.5	27.8	25.6	34.9	25.9	26.6	33.6	37.3	24.8	24.7
Breech/Malpresentation	38.0	39.9	29.7	36.6	33.8	33.6	38.9	41.6	35.2	32.4
Cephalopelvic disproportion	23.4	24.1	19.2	20.8	25.9	28.5	24.7	26.7	30.7	23.5
Fetal distress ³	42.0	40.1	54.4	35.1	34.0	30.3	23.8	29.0	33.7	36.7
Obstetric procedures										
Amniocentesis	32.3	34.7	18.2	22.2	41.1	64.7	89.8	39.7	42.2	28.7
Electronic fetal monitoring	825.3	828.6	825.1	799.2	770.4	773.7	789.8	810.2	756.1	769.8
Induction of labor	169.4	181.0	124.8	172.7	114.2	106.5	132.2	163.5	104.9	114.9
Ultrasound ⁴	638.7	651.5	585.6	608.4	597.6	612.3	681.2	651.0	606.0	578.4
Stimulation of labor	169.0	172.5	154.7	149.4	159.4	166.5	161.0	132.4	136.2	166.8

¹ Includes births to Aleuts and Eskimos.² Texas does not report this risk factor.³ Texas does not report this complication.⁴ Delaware does not report this procedure.

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

Table 28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1996

[Rates are number of live births with specified risk factors, complications or procedures per 1,000 live births in specified group]

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

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

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

Table 29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996

Smoking status, smoking measure, and race of mother	Age of mother									
	All ages	Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-49 years
			Total	15-17 years	18-19 years					
Number										
All races ¹										
Total	3,117,068	9,252	404,128	153,003	251,125	767,447	859,364	710,346	310,239	56,292
Smoker	418,280	705	68,542	23,276	45,266	127,031	104,257	76,388	35,787	5,570
Nonsmoker	2,649,899	8,422	330,078	127,672	202,406	629,421	741,462	622,014	268,937	49,565
Not stated	48,889	125	5,508	2,055	3,453	10,995	13,645	11,944	5,515	1,157
White										
Total	2,449,057	4,150	273,392	97,144	176,248	576,829	700,767	591,857	256,455	45,607
Smoker	354,854	536	59,582	19,972	39,610	110,094	88,820	62,771	28,683	4,368
Nonsmoker	2,056,100	3,555	209,962	75,810	134,152	458,488	601,032	519,428	223,293	40,342
Not stated	38,103	59	3,848	1,362	2,486	8,247	10,915	9,658	4,479	897
Black										
Total	135,145	304	12,095	4,681	7,414	28,093	40,148	35,476	15,664	3,365
Smoker	9,966	30	1,961	765	1,196	3,191	2,307	1,632	716	129
Nonsmoker	122,258	261	9,826	3,797	6,029	24,293	37,021	33,105	14,608	3,144
Not stated	2,921	13	308	119	189	609	820	739	340	92
Percent										
Smoker ¹	13.6	7.7	17.2	15.4	18.3	16.8	12.3	10.9	11.7	10.1
White	14.7	13.1	22.1	20.9	22.8	19.4	12.9	10.8	11.4	9.8
Black	10.2	2.9	6.0	5.0	6.7	8.6	11.3	14.7	17.1	15.0
Percent distribution										
All races ¹										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	26.2	51.1	33.9	37.5	32.1	26.3	24.0	23.8	23.0	21.4
6-10 cigarettes	40.4	32.6	41.9	41.3	42.3	41.9	40.5	38.8	36.8	35.4
11-15 cigarettes	6.4	*	4.6	4.1	4.8	6.0	6.9	7.4	7.4	7.3
16-20 cigarettes	22.7	12.7	17.2	15.2	18.2	22.2	24.0	24.7	26.2	27.9
21-30 cigarettes	2.9	*	1.6	1.3	1.8	2.5	3.2	3.6	4.4	4.8
31-40 cigarettes	1.1	*	0.6	0.4	0.7	0.9	1.1	1.5	2.0	2.9
41 cigarettes or more	0.2	*	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4
White										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	23.5	45.0	30.9	34.2	29.2	23.5	21.4	21.2	20.3	19.1
6-10 cigarettes	40.7	36.4	43.3	43.1	43.4	42.4	40.6	38.1	35.7	33.6
11-15 cigarettes	6.9	*	4.9	4.4	5.1	6.5	7.5	8.2	8.2	8.4
16-20 cigarettes	24.2	14.1	18.4	16.3	19.4	23.8	25.6	26.6	28.3	29.8
21-30 cigarettes	3.2	*	1.8	1.4	2.0	2.7	3.5	4.0	5.1	5.5
31-40 cigarettes	1.2	*	0.6	0.4	0.7	0.9	1.2	1.6	2.2	3.3
41 cigarettes or more	0.2	*	0.1	0.1	0.1	0.2	0.2	0.2	0.3	*
Black										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	39.0	*	47.5	52.0	44.8	39.7	36.8	33.6	32.7	30.9
6-10 cigarettes	38.0	*	36.8	33.7	38.7	39.8	38.6	37.0	35.9	33.6
11-15 cigarettes	4.9	*	3.3	3.3	3.3	4.2	6.1	6.3	5.6	*
16-20 cigarettes	15.5	*	10.9	9.9	11.5	14.1	15.8	19.8	21.2	28.2
21-30 cigarettes	1.8	*	*	*	*	1.4	2.2	2.3	3.5	*
31-40 cigarettes	0.6	*	*	*	*	*	*	*	*	*
41 cigarettes or more	*	*	*	*	*	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

¹ Includes races other than white and black.

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

Table 30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 46 reporting States, the District of Columbia, and New York City, 1996

Origin of mother	Smoking status				Age of mother									
	Total births	Smoker	Non-smoker	Not stated	All ages	Under 15 years	15-19 years							
							Total	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years
All origins ¹	3,117,068	418,280	2,649,899	48,889	13.6	7.7	17.2	15.4	18.3	16.8	12.3	10.9	11.7	10.1
Hispanic	431,574	18,478	408,212	4,884	4.3	3.4	5.0	5.0	5.0	4.3	3.9	4.2	4.9	4.7
Mexican	267,473	8,222	257,468	1,783	3.1	3.0	3.6	3.8	3.5	2.9	2.7	3.2	3.7	3.9
Puerto Rican	50,118	5,367	43,439	1,312	11.0	*	10.1	9.0	10.9	11.6	11.1	10.7	12.1	10.3
Cuban	11,658	539	11,051	68	4.7	*	6.1	*	6.6	4.8	3.9	4.1	6.6	*
Central and South American	66,915	1,211	64,786	918	1.8	*	2.0	2.2	2.0	1.6	1.5	2.0	2.5	3.0
Other and unknown Hispanic	35,410	3,139	31,468	803	9.1	*	9.6	9.3	9.9	9.6	8.4	8.5	9.3	8.6
Non-Hispanic ²	2,655,953	395,695	2,220,401	39,857	15.1	8.9	20.0	18.1	21.2	19.4	13.6	11.7	12.5	10.7
White	2,006,908	333,703	1,643,152	30,053	16.9	21.5	28.6	28.2	28.7	23.8	14.5	11.7	12.2	10.5
Black	519,105	52,566	459,361	7,178	10.3	2.9	5.9	5.0	6.7	8.6	11.4	15.0	17.3	15.3

* Figure does not meet standards of reliability or precision.

¹ Includes origin not stated.² Includes races other than white and black.

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

Table 31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution of average number of cigarettes smoked by mothers per day, according to educational attainment and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1996

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

* Figure does not meet standards of reliability or precision.

¹ Includes races other than white and black.

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

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

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

Smoking status and race of mother	All ages	Age of mother								
		Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-49 years
			Total	15-17 years	18-19 years					
All races ¹										
Total	7.6	13.5	9.7	10.4	9.2	7.7	6.7	7.0	8.4	9.8
Smoker	12.1	16.7	11.2	11.6	10.9	10.4	11.6	13.6	17.0	19.2
Nonsmoker	6.9	13.2	9.3	10.2	8.7	7.1	6.0	6.2	7.2	8.7
Not stated	9.8	*	12.7	13.5	12.2	9.7	8.7	9.3	10.6	12.4
White, total										
Total	6.5	11.1	8.2	8.9	7.8	6.5	5.8	6.1	7.2	8.5
Smoker	10.7	16.4	10.6	11.0	10.5	9.7	10.2	11.4	14.3	16.5
Nonsmoker	5.7	10.3	7.4	8.2	6.9	5.7	5.1	5.4	6.3	7.6
Not stated	8.6	*	11.5	12.6	10.9	8.7	7.6	7.8	9.5	10.5
White, non-Hispanic										
Total	6.4	11.7	8.2	8.8	7.9	6.5	5.8	6.0	7.1	8.3
Smoker	10.6	16.7	10.6	11.1	10.4	9.6	10.1	11.2	14.2	16.4
Nonsmoker	5.6	10.2	7.2	7.8	6.8	5.5	5.0	5.3	6.1	7.4
Not stated	8.3	*	11.3	11.5	11.2	8.2	7.4	7.5	9.5	9.3
Black, total										
Total	13.1	15.8	13.2	13.6	12.9	12.0	12.4	13.9	16.3	18.2
Smoker	21.9	19.9	16.1	16.6	15.8	17.1	22.0	25.8	29.3	31.7
Nonsmoker	12.0	15.6	13.0	13.4	12.7	11.5	11.1	11.8	13.6	15.7
Not stated	16.3	*	16.6	16.3	16.9	14.2	16.1	17.5	18.7	21.7
Black, non-Hispanic										
Total	13.2	15.8	13.3	13.7	13.0	12.1	12.5	14.1	16.5	18.3
Smoker	22.0	19.8	16.1	16.6	15.9	17.2	22.1	25.9	29.2	31.8
Nonsmoker	12.1	15.7	13.1	13.5	12.8	11.6	11.2	12.0	13.7	15.8
Not stated	16.4	*	16.9	16.4	17.3	14.2	16.2	17.3	19.2	22.4
Hispanic ²										
Total	6.8	10.5	8.1	9.1	7.5	6.5	5.8	6.7	8.2	9.6
Smoker	12.4	*	10.7	10.9	10.6	11.0	12.4	14.4	17.3	17.4
Nonsmoker	6.4	10.3	7.9	8.9	7.2	6.1	5.5	6.2	7.6	9.0
Not stated	10.4	*	12.4	15.3	10.2	10.8	9.2	10.1	9.6	14.3

* Figure does not meet standards of reliability or precision.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.

NOTE: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy.

Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 1996

Age and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began								Percent	
		1st trimester			2d trimester	Late or no care			Not stated		
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care		1st trimester	Late or no care
All races ¹	3,891,494	3,102,972	2,351,222	751,750	536,402	151,302	106,759	44,543	100,818	81.9	4.0
Under 15 years	11,148	5,063	2,952	2,111	3,959	1,651	1,159	492	475	47.4	15.5
15-19 years	491,577	320,094	210,384	109,710	122,329	34,726	25,366	9,360	14,428	67.1	7.3
15 years	28,540	15,593	9,534	6,059	9,000	2,941	2,111	830	1,006	56.6	10.7
16 years	60,287	36,017	22,462	13,555	17,181	5,195	3,834	1,361	1,894	61.7	8.9
17 years	96,894	62,038	40,147	21,891	24,966	7,002	5,091	1,911	2,888	66.0	7.4
18 years	135,059	88,913	58,831	30,082	33,067	9,168	6,740	2,428	3,911	67.8	7.0
19 years	170,797	117,533	79,410	38,123	38,115	10,420	7,590	2,830	4,729	70.8	6.3
20-24 years	945,210	704,976	508,087	196,889	168,042	46,825	33,888	12,937	25,367	76.6	5.1
25-29 years	1,071,287	895,028	697,509	197,519	117,865	32,810	22,934	9,876	25,584	85.6	3.1
30-34 years	897,913	776,044	616,943	159,101	78,142	21,887	14,695	7,192	21,840	88.6	2.5
35-39 years	399,510	340,757	268,447	72,310	37,345	10,712	6,945	3,767	10,696	87.6	2.8
40 years and over	74,849	61,010	46,900	14,110	8,720	2,691	1,772	919	2,428	84.2	3.7
White, total	3,093,057	2,541,849	1,945,679	596,170	383,106	100,212	74,080	26,132	67,890	84.0	3.3
Under 15 years	5,526	2,759	1,645	1,114	1,776	781	550	231	210	51.9	14.7
15-19 years	344,685	233,463	154,153	79,310	80,636	21,926	16,520	5,406	8,660	69.5	6.5
15 years	16,978	9,930	6,144	3,786	4,954	1,609	1,173	436	485	60.2	9.8
16 years	39,401	24,697	15,547	9,150	10,450	3,159	2,411	748	1,095	64.5	8.2
17 years	66,997	44,644	29,008	15,636	16,240	4,432	3,338	1,094	1,681	68.4	6.8
18 years	96,246	65,541	43,504	22,037	22,407	5,874	4,435	1,439	2,424	69.9	6.3
19 years	125,063	88,651	59,950	28,701	26,585	6,852	5,163	1,689	2,975	72.6	5.6
20-24 years	726,669	556,825	403,456	153,369	121,045	31,891	24,010	7,881	16,908	78.5	4.5
25-29 years	878,449	751,034	590,273	160,761	87,583	22,293	16,485	5,808	17,539	87.2	2.6
30-34 years	747,436	659,551	528,368	131,183	58,144	14,378	10,305	4,073	15,363	90.1	2.0
35-39 years	329,782	287,702	228,513	59,189	27,526	7,078	4,924	2,154	7,476	89.3	2.2
40 years and over	60,510	50,515	39,271	11,244	6,396	1,865	1,286	579	1,734	85.9	3.2
White, non-Hispanic	2,358,989	2,024,891	1,581,949	442,942	238,182	54,570	40,713	13,857	41,346	87.4	2.4
Under 15 years	2,532	1,311	780	531	790	346	245	101	85	53.6	14.1
15-19 years	225,197	160,600	107,408	53,192	48,736	11,382	8,758	2,624	4,479	72.8	5.2
15 years	9,071	5,515	3,446	2,069	2,581	782	576	206	193	62.1	8.8
16 years	23,312	15,245	9,726	5,519	5,921	1,596	1,249	347	550	67.0	7.0
17 years	42,686	29,873	19,570	10,303	9,662	2,308	1,769	539	843	71.4	5.5
18 years	64,290	46,071	30,912	15,159	13,917	3,046	2,365	681	1,256	73.1	4.8
19 years	85,838	63,896	43,754	20,142	16,655	3,650	2,799	851	1,637	75.9	4.3
20-24 years	508,056	409,354	303,034	106,320	72,862	16,496	12,651	3,845	9,344	82.1	3.3
25-29 years	683,376	606,950	486,359	120,591	53,708	11,991	8,899	3,092	10,727	90.2	1.8
30-34 years	616,224	558,562	453,332	105,230	38,619	8,699	6,237	2,462	10,344	92.2	1.4
35-39 years	274,431	245,657	197,534	48,123	19,088	4,464	3,110	1,354	5,222	91.3	1.7
40 years and over	49,173	42,457	33,502	8,955	4,379	1,192	813	379	1,145	88.4	2.5
Black, total	594,781	406,278	291,968	114,310	120,726	41,737	25,249	16,488	26,040	71.4	7.3
Under 15 years	5,193	2,130	1,211	919	2,014	803	563	240	246	43.1	16.2
15-19 years	130,596	77,179	50,432	26,747	36,965	11,232	7,614	3,618	5,220	61.6	9.0
15 years	10,498	5,175	3,109	2,066	3,667	1,181	822	359	475	51.6	11.8
16 years	18,753	10,170	6,272	3,898	6,048	1,810	1,248	562	725	56.4	10.0
17 years	26,775	15,605	10,040	5,565	7,784	2,283	1,527	756	1,103	60.8	8.9
18 years	34,394	20,807	13,745	7,062	9,390	2,879	1,977	902	1,318	62.9	8.7
19 years	40,176	25,422	17,266	8,156	10,076	3,079	2,040	1,039	1,599	65.9	8.0
20-24 years	179,361	121,246	86,166	35,080	38,510	12,474	7,919	4,555	7,131	70.4	7.2
25-29 years	133,204	97,566	72,818	24,748	21,534	8,079	4,523	3,556	6,025	76.7	6.4
30-34 years	94,295	70,374	53,320	17,054	13,541	5,752	2,960	2,792	4,628	78.5	6.4
35-39 years	43,716	31,867	23,767	8,100	6,726	2,808	1,375	1,433	2,315	77.0	6.8
40 years and over	8,416	5,916	4,254	1,662	1,436	589	295	294	475	74.5	7.4

See footnotes at end of table.

Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 1996—Con.

Age and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began										
		1st trimester			2d trimester		Late or no care			Not stated	Percent	
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	1st trimester		Late or no care	
Black, non-Hispanic	578,099	395,966	284,902	111,064	117,412	40,605	24,350	16,255	24,116	71.5	7.3	
Under 15 years	5,084	2,087	1,188	899	1,969	792	554	238	236	43.0	16.3	
15-19 years	127,616	75,601	49,437	26,164	36,129	10,992	7,419	3,573	4,894	61.6	9.0	
15 years	10,301	5,096	3,064	2,032	3,598	1,152	797	355	455	51.8	11.7	
16 years	18,367	9,982	6,156	3,826	5,918	1,774	1,217	557	693	56.5	10.0	
17 years	26,134	15,269	9,828	5,441	7,599	2,233	1,488	745	1,033	60.8	8.9	
18 years	33,616	20,370	13,475	6,895	9,183	2,825	1,929	896	1,238	62.9	8.7	
19 years	39,198	24,884	16,914	7,970	9,831	3,008	1,988	1,020	1,475	66.0	8.0	
20-24 years	174,958	118,524	84,338	34,186	37,591	12,163	7,662	4,501	6,680	70.4	7.2	
25-29 years	129,002	94,855	70,918	23,937	20,816	7,821	4,317	3,504	5,510	76.8	6.3	
30-34 years	91,050	68,253	51,809	16,444	13,036	5,548	2,806	2,742	4,213	78.6	6.4	
35-39 years	42,279	30,920	23,080	7,840	6,490	2,721	1,310	1,411	2,148	77.0	6.8	
40 years and over	8,110	5,726	4,132	1,594	1,381	568	282	286	435	74.6	7.4	
Hispanic ²	701,339	490,207	341,814	148,393	143,590	45,154	33,263	11,891	22,388	72.2	6.7	
Under 15 years	3,056	1,475	881	594	1,020	439	310	129	122	50.3	15.0	
15-19 years	118,878	72,376	46,401	25,975	32,015	10,543	7,774	2,769	3,944	63.0	9.2	
15 years	7,971	4,455	2,725	1,730	2,403	834	603	231	279	57.9	10.8	
16 years	16,139	9,468	5,848	3,620	4,591	1,562	1,164	398	518	60.6	10.0	
17 years	24,234	14,666	9,353	5,313	6,635	2,131	1,580	551	802	62.6	9.1	
18 years	31,711	19,308	12,469	6,839	8,482	2,819	2,069	750	1,102	63.1	9.2	
19 years	38,823	24,479	16,006	8,473	9,904	3,197	2,358	839	1,243	65.1	8.5	
20-24 years	214,173	144,210	97,962	46,248	47,848	15,281	11,340	3,941	6,834	69.6	7.4	
25-29 years	185,478	136,130	97,328	38,802	33,468	10,166	7,541	2,625	5,714	75.7	5.7	
30-34 years	119,690	91,200	66,825	24,375	19,114	5,576	4,053	1,523	3,800	78.7	4.8	
35-39 years	49,812	37,531	27,295	10,236	8,187	2,509	1,781	728	1,585	77.8	5.2	
40 years and over	10,252	7,285	5,122	2,163	1,938	640	464	176	389	73.9	6.5	

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.

Table 34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

State	Percent beginning care in first trimester						Percent late ¹ or no care					
	All races ²	White		Black		Hispanic ³	All races ²	White		Black		Hispanic ³
		Total	Non-Hispanic	Total	Non-Hispanic			Total	Non-Hispanic	Total	Non-Hispanic	
United States ⁴	81.9	84.0	87.4	71.4	71.5	72.2	4.0	3.3	2.4	7.3	7.3	6.7
Alabama	81.6	87.8	88.3	68.8	68.8	62.1	3.8	2.3	2.1	6.9	6.9	11.0
Alaska	80.8	83.2	83.8	81.8	82.5	75.5	3.3	2.3	2.2	*	*	3.6
Arizona	73.7	74.8	83.5	69.6	69.7	62.5	7.4	7.0	3.7	9.2	9.2	11.7
Arkansas	74.8	78.7	79.8	61.0	61.1	56.9	6.8	5.1	4.7	12.7	12.7	13.8
California	80.6	80.4	87.1	78.8	78.8	75.5	3.8	3.9	2.4	4.3	4.3	4.9
Colorado	81.4	81.9	86.7	75.5	75.7	66.8	4.5	4.3	2.9	6.5	6.7	8.8
Connecticut	88.2	89.7	91.8	77.1	77.7	77.1	2.3	1.9	1.4	5.1	4.9	4.9
Delaware	83.6	87.0	88.8	72.8	72.9	67.1	3.2	2.3	1.9	6.3	6.2	6.5
District of Columbia	64.6	77.4	87.5	60.0	60.0	60.8	11.8	7.2	5.3	13.5	13.6	10.0
Florida	83.3	86.5	88.3	72.3	72.3	80.5	3.3	2.5	2.0	6.3	6.3	4.0
Georgia	85.2	89.0	90.5	78.0	78.0	73.3	3.2	2.2	1.8	5.0	5.0	7.0
Hawaii	84.2	89.3	89.6	86.4	87.0	83.6	3.5	1.9	1.8	*	*	3.0
Idaho	78.9	79.2	81.7	75.7	77.9	60.0	4.5	4.5	3.6	*	*	10.8
Illinois	81.5	84.7	88.6	68.8	68.7	71.4	4.2	3.0	2.1	8.8	8.8	6.2
Indiana	80.4	82.2	82.8	64.7	64.7	66.8	3.8	3.3	3.1	8.4	8.4	8.1
Iowa	87.1	87.7	88.5	75.0	74.4	69.1	2.5	2.3	2.1	7.2	7.3	7.8
Kansas	85.5	86.4	88.8	76.4	76.3	64.7	2.6	2.4	1.7	5.0	5.0	8.5
Kentucky	84.7	85.8	85.9	74.3	74.3	75.5	2.9	2.6	2.6	5.6	5.6	7.5
Louisiana	81.1	88.7	88.9	70.4	70.3	81.9	4.2	1.9	1.8	7.5	7.5	4.0
Maine	89.9	90.1	90.4	85.5	85.9	78.9	1.7	1.7	1.6	*	*	*
Maryland	88.3	92.4	93.2	78.5	78.5	81.0	2.7	1.6	1.4	5.3	5.3	4.2
Massachusetts	83.7	85.6	87.1	70.6	70.6	70.2	3.0	2.4	2.0	7.2	7.2	6.4
Michigan	84.2	87.0	88.1	71.5	71.5	73.1	3.0	2.3	2.1	6.2	6.2	5.5
Minnesota	83.5	86.0	86.7	64.5	64.4	59.8	3.4	2.7	2.4	10.0	10.0	10.0
Mississippi	78.6	88.0	88.1	68.0	68.0	80.2	4.2	2.1	2.0	6.6	6.6	*
Missouri	85.5	87.9	88.2	72.2	72.2	77.9	2.9	2.1	2.1	7.0	7.0	4.0
Montana	82.7	84.4	84.7	81.6	77.4	73.9	3.2	2.5	2.4	*	*	*
Nebraska	84.5	85.4	87.3	73.2	73.1	66.6	2.6	2.3	1.9	5.9	6.0	6.7
Nevada	77.6	78.5	84.2	67.4	67.3	65.7	6.0	5.8	3.4	8.9	8.9	11.2
New Hampshire	89.1	89.3	89.6	76.4	74.2	75.5	1.5	1.5	1.4	*	*	*
New Jersey	81.8	85.5	89.4	65.5	65.5	70.9	4.6	3.0	2.2	11.6	11.8	6.3
New Mexico	69.7	71.9	78.9	60.9	61.9	66.4	8.0	7.5	4.3	7.4	7.7	9.9
New York	79.1	82.6	87.0	68.4	68.5	68.4	5.4	4.2	2.9	9.3	9.3	8.3
North Carolina	83.5	88.1	89.6	71.8	71.8	67.8	3.3	2.1	1.7	6.7	6.7	7.4
North Dakota	84.7	86.3	86.6	78.7	77.9	71.5	2.0	1.4	1.3	*	*	*
Ohio	85.4	87.6	87.9	72.5	72.5	76.4	3.4	2.7	2.6	8.1	8.1	5.6
Oklahoma	78.7	81.1	81.8	67.1	67.0	70.1	4.6	3.8	3.6	8.6	8.6	7.3
Oregon	79.9	80.3	82.6	76.6	76.3	65.6	3.9	3.8	3.1	5.7	5.9	7.8
Pennsylvania	84.2	87.1	88.0	67.1	67.2	70.6	3.6	2.5	2.3	10.6	10.6	6.6
Rhode Island	89.6	90.8	91.8	78.6	80.6	84.1	1.5	1.2	0.9	4.4	4.0	2.4
South Carolina	79.4	86.2	86.9	67.1	67.2	63.9	4.7	2.8	2.6	8.1	8.1	10.3
South Dakota	81.7	85.5	85.7	63.9	65.0	71.3	3.5	2.0	2.0	*	*	*
Tennessee	83.3	86.7	87.2	71.5	71.5	65.5	3.7	2.4	2.2	8.3	8.2	11.7
Texas	78.1	78.4	86.6	74.0	74.0	70.2	5.4	5.4	2.5	6.1	6.1	8.2
Utah	83.8	84.7	86.8	64.5	68.4	64.9	3.3	3.0	2.4	7.2	*	8.5
Vermont	87.4	87.5	87.6	*	*	89.5	2.0	2.0	2.0	*	*	*
Virginia	84.5	88.4	89.7	72.1	72.1	72.6	3.3	2.2	1.9	6.8	6.8	5.5
Washington	83.2	84.1	86.1	76.7	76.7	70.7	3.6	3.2	2.6	7.1	7.1	6.4
West Virginia	81.9	82.5	82.6	65.9	66.0	73.7	2.7	2.5	2.5	6.2	6.2	*
Wisconsin	84.1	87.0	88.0	66.2	66.2	69.5	3.3	2.4	2.1	9.3	9.3	7.1
Wyoming	81.9	82.5	83.8	64.6	63.8	69.3	3.7	3.5	3.2	*	*	6.3
Puerto Rico	77.3	76.3	—	66.2	—	—	3.5	3.2	—	6.9	—	—
Virgin Islands	55.4	60.1	76.3	54.5	54.3	52.6	11.6	8.6	*	12.2	11.6	14.8
Guam	66.7	79.8	80.1	80.5	78.4	78.0	11.0	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

— Data not available.

¹ Care beginning in 3rd trimester.² Includes races other than white and black and origin not stated.³ Persons of Hispanic origin may be of any race.⁴ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1996

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							Not stated
		1st trimester		2d trimester		Late or no care			
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	
All races ¹	3,891,494	3,102,972	2,351,222	751,750	536,402	151,302	106,759	44,543	100,818
No visits	44,543	...	...	...	...	44,543	...	44,543	...
1-2 visits	40,612	9,316	5,851	3,465	10,075	19,212	19,212	...	2,009
3-4 visits	82,777	22,643	12,623	10,020	31,014	26,974	26,974	...	2,146
5-6 visits	179,054	74,312	42,443	31,869	75,329	26,241	26,241	...	3,172
7-8 visits	333,522	200,056	121,706	78,350	113,534	15,756	15,756	...	4,176
9-10 visits	739,021	572,955	377,478	195,477	149,518	8,505	8,505	...	8,043
11-12 visits	1,003,513	910,282	691,333	218,949	84,448	3,493	3,493	...	5,290
13-14 visits	646,478	610,592	503,996	106,596	31,548	1,455	1,455	...	2,883
15-16 visits	447,611	424,414	361,133	63,281	20,089	1,066	1,066	...	2,042
17-18 visits	96,300	91,825	77,897	13,928	3,776	224	224	...	475
19 visits or more	140,751	132,733	115,228	17,505	6,703	416	416	...	899
Not stated	137,312	53,844	41,534	12,310	10,368	3,417	3,417	...	69,683
Median number of visits	12.3	12.6	12.8	11.6	9.6	5.4	5.4	...	10.3
White, total	3,093,057	2,541,849	1,945,679	596,170	383,106	100,212	74,080	26,132	67,890
No visits	26,132	...	...	...	...	26,132	...	26,132	...
1-2 visits	25,046	5,890	3,811	2,079	5,627	12,443	12,443	...	1,086
3-4 visits	53,746	14,636	8,245	6,391	19,451	18,324	18,324	...	1,335
5-6 visits	124,070	53,041	30,410	22,631	50,724	18,230	18,230	...	2,075
7-8 visits	251,957	156,404	96,429	59,975	81,241	11,308	11,308	...	3,004
9-10 visits	582,216	461,281	307,245	154,036	108,959	6,181	6,181	...	5,795
11-12 visits	828,162	757,920	579,782	178,138	63,432	2,686	2,686	...	4,124
13-14 visits	542,993	515,339	427,043	88,296	24,153	1,190	1,190	...	2,311
15-16 visits	367,154	349,674	298,981	50,693	15,052	837	837	...	1,591
17-18 visits	80,331	76,898	65,542	11,356	2,872	189	189	...	372
19 visits or more	115,612	109,833	96,172	13,661	4,767	315	315	...	697
Not stated	95,638	40,933	32,019	8,914	6,828	2,377	2,377	...	45,500
Median number of visits	12.4	12.6	12.8	11.8	9.8	5.5	5.5	...	10.5
White, non-Hispanic	2,358,989	2,024,891	1,581,949	442,942	238,182	54,570	40,713	13,857	41,346
No visits	13,857	...	...	...	...	13,857	...	13,857	...
1-2 visits	13,298	3,159	2,115	1,044	2,981	6,517	6,517	...	641
3-4 visits	29,161	8,550	5,013	3,537	10,458	9,392	9,392	...	761
5-6 visits	74,868	34,923	20,819	14,104	28,989	9,739	9,739	...	1,217
7-8 visits	170,878	113,698	72,195	41,503	48,858	6,579	6,579	...	1,743
9-10 visits	423,727	348,934	239,305	109,629	67,321	3,697	3,697	...	3,775
11-12 visits	667,279	618,716	480,076	138,640	43,787	1,764	1,764	...	3,012
13-14 visits	451,381	431,364	359,454	71,910	17,378	823	823	...	1,816
15-16 visits	294,870	283,410	245,557	37,853	9,683	561	561	...	1,216
17-18 visits	66,200	63,701	54,795	8,906	2,086	126	126	...	287
19 visits or more	94,934	90,905	80,315	10,590	3,282	223	223	...	524
Not stated	58,536	27,531	22,305	5,226	3,359	1,292	1,292	...	26,354
Median number of visits	12.5	12.7	12.9	12.0	10.0	5.8	5.8	...	10.7
Black, total	594,781	406,278	291,968	114,310	120,726	41,737	25,249	16,488	26,040
No visits	16,488	...	...	...	...	16,488	...	16,488	...
1-2 visits	12,959	2,904	1,725	1,179	3,837	5,417	5,417	...	801
3-4 visits	23,470	6,611	3,621	2,990	9,477	6,729	6,729	...	653
5-6 visits	42,585	16,382	9,450	6,932	19,162	6,161	6,161	...	860
7-8 visits	60,158	31,194	18,212	12,982	24,742	3,314	3,314	...	908
9-10 visits	115,739	80,316	50,347	29,969	31,950	1,786	1,786	...	1,687
11-12 visits	123,760	106,044	76,766	29,278	16,278	598	598	...	840
13-14 visits	73,964	67,627	54,212	13,415	5,746	181	181	...	410
15-16 visits	60,287	55,629	45,988	9,641	4,155	167	167	...	336
17-18 visits	11,970	11,163	9,175	1,988	703	23	23	...	81
19 visits or more	20,057	18,136	14,973	3,163	1,691	72	72	...	158
Not stated	33,344	10,272	7,499	2,773	2,965	801	801	...	19,306
Median number of visits	11.5	12.4	12.7	11.2	9.2	5.0	5.0	...	9.4

See footnotes at end of table.

Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1996 –Con.

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							Not stated
		1st trimester		2d trimester		Late or no care			
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	
Black, non-Hispanic	578,099	395,966	284,902	111,064	117,412	40,605	24,350	16,255	24,116
No visits	16,255	...	...	...	...	16,255	...	16,255	...
1-2 visits	12,620	2,840	1,681	1,159	3,756	5,260	5,260	...	764
3-4 visits	22,830	6,471	3,546	2,925	9,237	6,508	6,508	...	614
5-6 visits	41,307	15,911	9,183	6,728	18,675	5,926	5,926	...	795
7-8 visits	58,258	30,260	17,725	12,535	23,986	3,175	3,175	...	837
9-10 visits	112,085	77,745	48,714	29,031	31,067	1,719	1,719	...	1,554
11-12 visits	120,665	103,482	74,986	28,496	15,848	571	571	...	764
13-14 visits	72,206	66,090	53,045	13,045	5,562	172	172	...	382
15-16 visits	59,033	54,499	45,082	9,417	4,070	162	162	...	302
17-18 visits	11,676	10,895	8,952	1,943	686	22	22	...	73
19 visits or more	19,682	17,818	14,715	3,103	1,650	67	67	...	147
Not stated	31,482	9,955	7,273	2,682	2,875	768	768	...	17,384
Median number of visits	11.5	12.4	12.7	11.2	9.2	5.0	5.0	...	9.3
Hispanic ²	701,339	490,207	341,814	148,393	143,590	45,154	33,263	11,891	22,388
No visits	11,891	...	...	...	...	11,891	...	11,891	...
1-2 visits	11,676	2,673	1,653	1,020	2,637	5,927	5,927	...	439
3-4 visits	24,554	6,052	3,217	2,835	8,997	8,946	8,946	...	559
5-6 visits	48,577	17,585	9,258	8,327	21,663	8,498	8,498	...	831
7-8 visits	78,393	40,242	22,404	17,838	32,191	4,762	4,762	...	1,198
9-10 visits	152,829	107,235	64,044	43,191	41,266	2,452	2,452	...	1,876
11-12 visits	151,662	130,616	92,619	37,997	19,217	887	887	...	942
13-14 visits	86,806	79,336	63,629	15,707	6,704	345	345	...	421
15-16 visits	69,449	63,542	50,979	12,563	5,309	268	268	...	330
17-18 visits	13,413	12,518	10,138	2,380	767	53	53	...	75
19 visits or more	19,728	18,022	15,021	3,001	1,464	89	89	...	153
Not stated	32,361	12,386	8,852	3,534	3,375	1,036	1,036	...	15,564
Median number of visits	11.3	12.3	12.6	11.0	9.3	5.3	5.3	...	9.6

... Category not applicable.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.

Table 36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 1996

[Rates are number of live births with specified procedure per 1,000 live births in specified group]

Obstetric procedure and race of mother	All births	Obstetric procedure reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ¹										
Amniocentesis	3,891,494	124,711	32.3	9.1	10.6	14.8	27.6	140.6	192.4	32,311
Electronic fetal monitoring	3,891,494	3,184,945	825.3	833.8	828.0	827.2	823.5	812.7	794.9	32,311
Induction of labor	3,891,494	653,877	169.4	151.0	164.9	176.8	175.0	170.3	174.4	32,311
Stimulation of labor	3,891,494	652,196	169.0	177.0	172.2	171.6	165.9	155.6	146.2	32,311
Tocolysis	3,891,494	83,662	21.7	24.0	22.1	21.4	20.8	20.4	22.0	32,311
Ultrasound ²	3,881,339	2,457,576	638.7	618.2	630.3	644.6	649.0	645.5	635.8	33,366
White										
Amniocentesis	3,093,057	106,391	34.7	9.3	10.8	15.1	28.7	148.8	205.5	26,456
Electronic fetal monitoring	3,093,057	2,540,938	828.6	836.7	830.1	831.0	828.1	816.8	798.2	26,456
Induction of labor	3,093,057	554,925	181.0	165.0	177.3	187.5	184.8	179.1	183.8	26,456
Stimulation of labor	3,093,057	529,023	172.5	183.7	176.7	174.9	168.4	158.7	149.1	26,456
Tocolysis	3,093,057	66,723	21.8	24.7	22.4	21.4	20.7	20.4	22.1	26,456
Ultrasound ²	3,085,504	1,992,208	651.5	635.0	642.8	656.2	660.2	656.5	646.9	27,451
Black										
Amniocentesis	594,781	10,722	18.2	8.3	9.8	13.0	20.2	76.8	109.4	4,095
Electronic fetal monitoring	594,781	487,391	825.1	833.0	830.4	823.0	815.7	808.6	810.7	4,095
Induction of labor	594,781	73,716	124.8	117.6	122.9	128.2	129.0	131.8	144.5	4,095
Stimulation of labor	594,781	91,358	154.7	162.1	158.4	152.8	149.0	138.3	133.3	4,095
Tocolysis	594,781	12,430	21.0	21.4	20.9	21.0	21.3	19.8	20.5	4,095
Ultrasound ²	592,410	344,461	585.6	578.3	587.2	589.4	587.4	584.9	589.4	4,146

¹ Includes races other than white and black.² Delaware does not report this procedure.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 37. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother: United States, 1996

[Rates are number of live births with specified complication per 1,000 live births in specified group]

Complication and race of mother	All births ¹	Complication reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ²										
Febrile	3,891,494	61,850	16.1	19.2	16.6	16.4	14.9	13.2	12.6	42,175
Meconium, moderate/heavy	3,891,494	223,536	58.1	63.1	58.0	56.0	56.6	59.8	64.6	42,175
Premature rupture of membrane	3,891,494	113,112	29.4	28.6	27.8	29.1	30.0	32.4	36.1	42,175
Abruptio placenta	3,891,494	22,062	5.7	5.4	5.3	5.4	5.9	7.0	8.7	42,175
Placenta previa	3,891,494	12,915	3.4	1.2	1.9	3.1	4.6	6.4	8.9	42,175
Other excessive bleeding ³	3,777,188	21,142	5.7	5.7	5.7	5.4	5.5	6.2	7.4	42,892
Seizures during labor	3,891,494	1,617	0.4	0.8	0.4	0.3	0.3	0.4	0.6	42,175
Precipitous labor	3,891,494	77,614	20.2	14.2	18.6	19.9	23.1	24.8	24.1	42,175
Prolonged labor	3,891,494	34,445	8.9	9.4	8.8	9.0	8.7	8.7	9.7	42,175
Dysfunctional labor	3,891,494	105,749	27.5	25.7	26.1	28.3	28.2	28.3	32.2	42,175
Breech/Malpresentation	3,891,494	146,431	38.0	29.4	32.1	38.3	43.0	47.8	56.5	42,175
Cephalopelvic disproportion	3,891,494	90,105	23.4	21.6	21.7	24.6	24.7	23.5	23.9	42,175
Cord prolapse	3,891,494	8,244	2.1	1.7	1.9	2.1	2.3	2.8	3.3	42,175
Anesthetic complication ⁴	3,561,088	2,214	0.6	0.4	0.5	0.7	0.7	0.8	1.0	44,789
Fetal distress ⁴	3,561,088	147,814	42.0	45.7	41.3	40.3	40.9	44.4	52.6	44,789
White										
Febrile	3,093,057	46,821	15.3	18.0	16.1	15.9	14.1	12.4	12.1	34,689
Meconium, moderate/heavy	3,093,057	163,798	53.6	56.7	53.2	52.0	52.7	55.7	60.4	34,689
Premature rupture of membrane	3,093,057	86,973	28.4	27.1	26.7	28.3	29.1	31.4	35.2	34,689
Abruptio placenta	3,093,057	16,990	5.6	5.3	5.2	5.2	5.8	6.7	8.2	34,689
Placenta previa	3,093,057	10,093	3.3	1.1	1.9	3.0	4.4	6.1	8.5	34,689
Other excessive bleeding ³	3,006,671	16,630	5.6	5.8	5.7	5.4	5.4	6.0	6.8	35,415
Seizures during labor	3,093,057	994	0.3	0.7	0.4	0.3	0.2	0.3	0.4	34,689
Precipitous labor	3,093,057	60,183	19.7	13.0	17.5	19.2	22.8	24.9	23.8	34,689
Prolonged labor	3,093,057	27,958	9.1	9.9	9.3	9.2	8.8	8.8	10.0	34,689
Dysfunctional labor	3,093,057	85,113	27.8	25.9	26.7	28.7	28.3	28.2	32.4	34,689
Breech/Malpresentation	3,093,057	121,992	39.9	31.9	33.9	39.7	44.4	48.6	57.0	34,689
Cephalopelvic disproportion	3,093,057	73,728	24.1	22.1	22.8	25.4	24.9	23.7	24.7	34,689
Cord prolapse	3,093,057	6,524	2.1	1.7	1.9	2.0	2.3	2.8	3.3	34,689
Anesthetic complication ⁴	2,811,247	1,805	0.7	0.4	0.5	0.7	0.8	0.8	1.0	36,831
Fetal distress ⁴	2,811,247	111,299	40.1	43.7	39.5	38.6	39.1	42.2	50.3	36,831
Black										
Febrile	594,781	10,544	17.9	21.8	17.8	16.7	16.1	15.0	11.4	5,265
Meconium, moderate/heavy	594,781	48,020	81.5	79.7	77.2	81.3	86.6	91.2	93.6	5,265
Premature rupture of membrane	594,781	19,710	33.4	31.5	31.1	33.6	36.5	40.5	41.9	5,265
Abruptio placenta	594,781	4,045	6.9	5.9	6.1	7.0	7.9	9.7	10.9	5,265
Placenta previa	594,781	1,904	3.2	1.3	2.2	3.3	5.3	7.7	8.5	5,265
Other excessive bleeding ³	574,264	2,668	4.7	4.4	4.7	4.2	5.2	5.4	7.1	5,228
Seizures during labor	594,781	323	0.5	0.9	0.5	0.5	0.3	*	*	5,265
Precipitous labor	594,781	12,663	21.5	16.1	21.3	23.1	25.8	24.1	24.5	5,265
Prolonged labor	594,781	4,051	6.9	7.6	6.5	6.9	6.7	6.7	5.9	5,265
Dysfunctional labor	594,781	15,076	25.6	24.9	23.4	26.5	27.7	27.9	33.4	5,265
Breech/Malpresentation	594,781	17,526	29.7	22.7	25.5	31.5	36.4	44.3	55.6	5,265
Cephalopelvic disproportion	594,781	11,344	19.2	20.7	17.7	19.3	21.1	17.6	14.0	5,265
Cord prolapse	594,781	1,351	2.3	1.9	2.0	2.4	2.9	3.2	2.9	5,265
Anesthetic complication ⁴	555,925	306	0.6	0.4	0.5	0.6	0.7	0.7	*	5,675
Fetal distress ⁴	555,925	29,961	54.4	52.0	50.6	54.1	58.5	65.1	78.7	5,675

* Figure does not meet standards of reliability or precision.

¹ Total number of births to residents of areas reporting specified complication.² Includes races other than white and black.³ New Jersey does not report this complication.⁴ Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 1996

Place of delivery and race and Hispanic origin of mother	All births	Physician			Midwife			Other	Unspecified
		Total	Doctor of medicine	Doctor of osteopathy	Total	Certified nurse midwife	Other midwife		
All races ¹									
Total	3,891,494	3,613,070	3,467,500	145,570	252,782	238,994	13,788	21,708	3,934
In hospital ²	3,853,728	3,606,958	3,462,508	144,450	232,628	229,855	2,773	11,446	2,696
Not in hospital	37,085	5,847	4,748	1,099	19,892	8,884	11,008	10,228	1,118
Freestanding birthing center	10,278	1,698	1,051	647	8,383	5,981	2,402	190	7
Clinic or doctor's office	778	373	304	69	285	123	162	104	16
Residence	23,784	3,037	2,700	337	10,942	2,604	8,338	8,873	932
Other	2,245	739	693	46	282	176	106	1,061	163
Not specified	681	265	244	21	262	255	7	34	120
White, total									
Total	3,093,057	2,878,429	2,752,896	125,533	195,044	182,383	12,661	16,462	3,122
In hospital ²	3,060,406	2,873,945	2,749,470	124,475	175,844	173,880	1,964	8,342	2,275
Not in hospital	32,052	4,252	3,214	1,038	18,946	8,256	10,690	8,099	755
Freestanding birthing center	9,708	1,636	993	643	7,894	5,577	2,317	171	7
Clinic or doctor's office	671	310	248	62	271	113	158	75	15
Residence	20,223	1,934	1,628	306	10,531	2,411	8,120	7,106	652
Other	1,450	372	345	27	250	155	95	747	81
Not specified	599	232	212	20	254	247	7	21	92
White, non-Hispanic									
Total	2,358,989	2,208,314	2,104,458	103,856	136,613	126,230	10,383	11,887	2,175
In hospital ²	2,332,333	2,204,537	2,101,706	102,831	121,038	119,479	1,559	5,186	1,572
Not in hospital	26,236	3,582	2,573	1,009	15,396	6,579	8,817	6,685	573
Freestanding birthing center	6,920	1,421	787	634	5,350	4,190	1,160	146	3
Clinic or doctor's office	585	269	210	59	237	92	145	65	14
Residence	17,729	1,617	1,324	293	9,637	2,212	7,425	5,961	514
Other	1,002	275	252	23	172	85	87	513	42
Not specified	420	195	179	16	179	172	7	16	30
Black, total									
Total	594,781	548,597	533,468	15,129	41,739	40,928	811	3,970	475
In hospital ²	590,877	547,226	532,136	15,090	41,192	40,514	678	2,291	168
Not in hospital	3,832	1,340	1,302	38	543	410	133	1,668	281
Freestanding birthing center	356	36	35	1	309	253	56	11	-
Clinic or doctor's office	45	34	33	1	6	5	1	5	-
Residence	2,773	965	944	21	207	136	71	1,400	201
Other	658	305	290	15	21	16	5	252	80
Not specified	72	31	30	1	4	4	-	11	26
Black, non-Hispanic									
Total	578,099	534,659	519,986	14,673	39,143	38,352	791	3,878	419
In hospital ²	574,368	533,324	518,690	14,634	38,649	37,982	667	2,235	160
Not in hospital	3,686	1,308	1,270	38	490	366	124	1,632	256
Freestanding birthing center	330	34	33	1	285	230	55	11	-
Clinic or doctor's office	44	33	32	1	6	5	1	5	-
Residence	2,680	943	922	21	182	118	64	1,371	184
Other	632	298	283	15	17	13	4	245	72
Not specified	45	27	26	1	4	4	-	11	3
Hispanic ³									
Total	701,339	638,539	618,859	19,680	57,787	55,628	2,159	4,192	821
In hospital ²	696,135	637,939	618,288	19,651	54,416	54,031	385	3,119	661
Not in hospital	5,173	584	559	25	3,362	1,588	1,774	1,070	157
Freestanding birthing center	2,766	211	204	7	2,526	1,368	1,158	25	4
Clinic or doctor's office	79	34	30	4	34	21	13	10	1
Residence	1,924	248	238	10	731	135	596	828	117
Other	404	91	87	4	71	64	7	207	35
Not specified	31	16	12	4	9	9	-	3	3

- Quantity zero.

¹ Includes races other than white and black and origin not stated.² Includes births occurring en route to or on arrival at hospital.³ Persons of Hispanic origin may be of any race.

Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-96

Year and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean ³
	All births	Vaginal		Cesarean			Not stated	Total ¹	Primary ²	
		Total	After previous cesarean	Total	Primary	Repeat				
All races ⁴										
1996	3,891,494	3,061,092	116,045	797,119	503,724	293,395	33,283	20.7	14.6	28.3
1995	3,899,589	3,063,724	112,439	806,722	510,104	296,618	29,143	20.8	14.7	27.5
1994	3,952,767	3,087,576	110,341	830,517	520,647	309,870	34,674	21.2	14.9	26.3
1993	4,000,240	3,098,796	103,581	861,987	539,251	322,736	39,457	21.8	15.3	24.3
1992	4,065,014	3,100,710	97,549	888,622	554,662	333,960	75,682	22.3	15.6	22.6
1991	4,110,907	3,100,891	90,690	905,077	569,195	335,882	104,939	22.6	15.9	21.3
1990 ⁵	4,110,563	3,111,421	84,299	914,096	575,066	339,030	85,046	22.7	16.0	19.9
1989 ⁶	3,798,734	2,793,463	71,019	826,955	521,873	305,082	178,316	22.8	16.1	18.9
White, total										
1996	3,093,057	2,434,079	93,783	631,409	395,851	235,558	27,569	20.6	14.5	28.5
1995	3,098,885	2,435,191	90,940	639,818	401,098	238,720	23,876	20.8	14.6	27.6
1994	3,121,004	2,435,965	88,471	656,400	407,946	248,454	28,639	21.2	14.8	26.3
1993	3,149,833	2,435,229	82,995	682,355	423,540	258,815	32,249	21.9	15.3	24.3
1992	3,201,678	2,434,959	77,977	705,841	437,398	268,443	60,878	22.5	15.7	22.5
1991	3,241,273	2,434,900	72,564	723,088	452,534	270,554	83,285	22.9	16.1	21.1
1990 ⁵	3,252,473	2,453,857	67,191	732,713	458,656	274,057	65,903	23.0	16.1	19.7
1989 ⁶	3,022,537	2,212,843	56,851	667,114	418,177	248,937	142,580	23.2	16.2	18.6
White, non-Hispanic										
1996	2,358,989	1,851,058	73,973	485,530	308,482	177,048	22,401	20.8	14.8	29.5
1995	2,382,638	1,867,024	72,124	496,103	313,933	182,170	19,511	21.0	14.9	28.4
1994	2,438,855	1,896,609	71,597	518,021	324,236	193,785	24,225	21.5	15.1	27.0
1993	2,472,031	1,902,433	67,536	542,013	338,236	203,777	27,585	22.2	15.6	24.9
1992 ⁸	2,527,207	1,916,414	63,828	566,788	352,470	214,318	44,005	22.8	16.0	22.9
1991 ⁸	2,589,878	1,941,726	60,174	587,802	368,721	219,081	60,350	23.2	16.4	21.5
1990 ^{5,9}	2,626,500	1,972,754	55,952	603,467	378,508	224,959	50,279	23.4	16.5	19.9
1989 ^{6,10}	2,526,367	1,806,753	47,559	556,585	349,858	206,727	163,029	23.6	16.6	18.7
Black, total										
1996	594,781	462,378	16,866	128,357	82,646	45,711	4,046	21.7	15.6	27.0
1995	603,139	468,984	16,224	130,482	84,441	46,041	3,673	21.8	15.7	26.1
1994	636,391	493,879	16,970	138,067	88,636	49,431	4,445	21.8	15.7	25.6
1993	658,875	509,816	16,179	143,452	91,677	51,775	5,607	22.0	15.7	23.8
1992	673,633	514,929	15,382	146,480	93,165	53,315	12,224	22.1	15.7	22.4
1991	682,602	519,047	14,213	145,583	92,645	52,938	17,972	21.9	15.5	21.2
1990 ⁵	679,236	516,581	13,496	146,472	93,476	52,996	16,183	22.1	15.7	20.3
1989 ⁶	611,147	452,291	11,104	127,907	82,695	45,212	30,319	22.0	15.8	19.7
Black, non-Hispanic										
1996	578,099	449,544	16,322	124,836	80,457	44,379	3,719	21.7	15.7	26.9
1995	587,781	457,104	15,721	127,171	82,395	44,776	3,506	21.8	15.7	26.0
1994	619,198	480,551	16,478	134,526	86,411	48,115	4,121	21.9	15.7	25.5
1993	641,273	496,333	15,675	139,702	89,315	50,387	5,238	22.0	15.7	23.7
1992 ⁸	657,450	502,669	14,950	143,153	91,086	52,067	11,628	22.2	15.7	22.3
1991 ⁸	666,758	507,522	13,847	142,417	90,664	51,753	16,819	21.9	15.5	21.1
1990 ^{5,9}	661,701	503,720	13,157	142,838	91,175	51,663	15,143	22.1	15.7	20.3
1989 ^{6,10}	611,269	440,310	10,726	125,290	81,177	44,113	45,669	22.2	15.9	19.6
Hispanic ⁷										
1996	701,339	558,105	18,491	139,554	83,392	56,162	3,680	20.0	13.4	24.8
1995	679,768	539,731	17,396	136,640	82,662	53,978	3,397	20.2	13.7	24.4
1994	665,026	525,928	16,206	135,569	81,961	53,608	3,529	20.5	13.9	23.2
1993	654,418	514,493	14,586	136,279	82,576	53,703	3,646	20.9	14.2	21.4
1992 ⁸	643,271	494,338	13,111	133,369	81,211	52,158	15,564	21.2	14.4	20.1
1991 ⁸	623,085	472,126	11,615	129,752	80,228	49,524	21,207	21.6	14.8	19.0
1990 ^{5,9}	595,073	458,242	10,395	122,969	76,027	46,942	13,862	21.2	14.5	18.1
1989 ^{6,10}	532,249	385,462	8,549	105,268	64,905	40,363	41,519	21.5	14.7	17.5

¹ Percent of all live births by cesarean delivery.² Number of primary cesareans per 100 live births to women who have not had a previous cesarean.³ Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.⁴ Includes races other than white and black and origin not stated.⁵ Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.⁶ Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.⁷ Persons of Hispanic origin may be of any race.⁸ Excludes data for New Hampshire which did not report Hispanic origin.⁹ Excludes data for New Hampshire and Oklahoma which did not report Hispanic origin.¹⁰ Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

Table 40. Live births by method of delivery, and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 1996

Age and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean ³
	All births	Vaginal		Cesarean			Not stated	Total ¹	Primary ²	
		Total	After previous cesarean	Total	Primary	Repeat				
All races ⁴	3,891,494	3,061,092	116,045	797,119	503,724	293,395	33,283	20.7	14.6	28.3
Under 20 years	502,725	426,649	3,956	72,296	64,439	7,857	3,780	14.5	13.2	33.5
20-24 years	945,210	774,542	21,852	162,789	113,189	49,600	7,879	17.4	13.1	30.6
25-29 years	1,071,287	843,609	33,830	218,535	136,873	81,662	9,143	20.6	14.5	29.3
30-34 years	897,913	678,495	36,419	211,410	117,743	93,667	8,008	23.8	15.5	28.0
35-39 years	399,510	287,146	17,302	108,640	57,806	50,834	3,724	27.4	17.6	25.4
40-49 years	74,849	50,651	2,686	23,449	13,674	9,775	749	31.6	22.2	21.6
White, total	3,093,057	2,434,079	93,783	631,409	395,851	235,558	27,569	20.6	14.5	28.5
Under 20 years	350,211	298,322	2,441	49,060	44,204	4,856	2,829	14.1	13.0	33.5
20-24 years	726,669	596,341	16,116	124,076	87,431	36,645	6,252	17.2	13.1	30.5
25-29 years	878,449	692,751	27,609	177,926	111,422	66,504	7,772	20.4	14.3	29.3
30-34 years	747,436	566,817	30,701	173,748	95,746	78,002	6,871	23.5	15.2	28.2
35-39 years	329,782	238,611	14,681	87,953	46,225	41,728	3,218	26.9	17.1	26.0
40-49 years	60,510	41,237	2,235	18,646	10,823	7,823	627	31.1	21.7	22.2
White, non-Hispanic	2,358,989	1,851,058	73,973	485,530	308,482	177,048	22,401	20.8	14.8	29.5
Under 20 years	227,729	193,317	1,450	32,308	29,553	2,755	2,104	14.3	13.3	34.5
20-24 years	508,056	415,449	11,132	87,655	62,944	24,711	4,952	17.4	13.5	31.1
25-29 years	683,376	538,905	21,135	138,025	89,280	48,745	6,446	20.4	14.7	30.2
30-34 years	616,224	469,754	25,732	140,761	79,529	61,232	5,709	23.1	15.2	29.6
35-39 years	274,431	199,956	12,632	71,777	38,397	33,380	2,698	26.4	17.0	27.5
40-49 years	49,173	33,677	1,892	15,004	8,779	6,225	492	30.8	21.6	23.3
Black, total	594,781	462,378	16,866	128,357	82,646	45,711	4,046	21.7	15.6	27.0
Under 20 years	135,789	113,573	1,413	21,454	18,599	2,855	762	15.9	14.2	33.1
20-24 years	179,361	144,669	5,037	33,468	21,791	11,677	1,224	18.8	13.5	30.1
25-29 years	133,204	101,536	4,768	30,753	18,305	12,448	915	23.2	15.9	27.7
30-34 years	94,295	67,630	3,762	25,930	14,470	11,460	735	27.7	18.5	24.7
35-39 years	43,716	29,580	1,622	13,804	7,687	6,117	332	31.8	21.6	21.0
40-49 years	8,416	5,390	264	2,948	1,794	1,154	78	35.4	25.9	18.6
Black, non-Hispanic	578,099	449,544	16,322	124,836	80,457	44,379	3,719	21.7	15.7	26.9
Under 20 years	132,700	110,980	1,380	20,998	18,188	2,810	722	15.9	14.2	32.9
20-24 years	174,958	141,065	4,918	32,738	21,277	11,461	1,155	18.8	13.5	30.0
25-29 years	129,002	98,396	4,605	29,783	17,711	12,072	823	23.2	15.9	27.6
30-34 years	91,050	65,279	3,609	25,115	14,070	11,045	656	27.8	18.6	24.6
35-39 years	42,279	28,619	1,556	13,359	7,476	5,883	301	31.8	21.6	20.9
40-49 years	8,110	5,205	254	2,843	1,735	1,108	62	35.3	25.9	18.6
Hispanic ⁵	701,339	558,105	18,491	139,554	83,392	56,162	3,680	20.0	13.4	24.8
Under 20 years	121,934	104,573	999	16,692	14,594	2,098	669	13.8	12.4	32.3
20-24 years	214,173	177,235	4,863	35,816	24,004	11,812	1,122	16.8	12.2	29.2
25-29 years	185,478	146,287	6,123	38,233	20,998	17,235	958	20.7	13.0	26.2
30-34 years	119,690	88,489	4,437	30,576	14,767	15,809	625	25.7	14.9	21.9
35-39 years	49,812	34,693	1,776	14,867	7,154	7,713	252	30.0	17.9	18.7
40-49 years	10,252	6,828	293	3,370	1,875	1,495	54	33.0	22.3	16.4

¹ Percent of all live births by cesarean delivery.² Number of primary cesareans per 100 live births to women who have not had a previous cesarean.³ Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.⁴ Includes races other than white and black and origin not stated.⁵ Persons of Hispanic origin may be of any race.

Table 41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence]

State	Cesarean delivery rate ¹						Rate of vaginal births after previous cesarean ²					
	All races ³	White		Black		Hispanic ⁴	All races ³	White		Black		Hispanic ⁴
		Total	Non- Hispanic	Total	Non- Hispanic			Total	Non- Hispanic	Total	Non- Hispanic	
United States ⁵	20.7	20.6	20.8	21.7	21.7	20.0	28.3	28.5	29.5	27.0	26.9	24.8
Alabama	23.3	23.7	23.8	22.7	22.6	22.3	22.4	21.9	21.8	23.6	23.9	23.6
Alaska	16.7	19.2	19.2	19.7	18.6	20.0	34.6	30.9	30.4	*	*	36.5
Arizona	16.1	16.2	16.8	19.3	19.4	15.4	28.9	27.4	28.7	25.0	25.0	25.9
Arkansas	25.3	25.0	25.1	26.5	26.5	22.4	19.4	19.6	19.4	18.8	18.8	21.9
California	20.6	20.6	21.6	22.9	23.0	19.8	22.8	22.9	24.7	20.1	20.0	21.5
Colorado	15.1	15.1	15.3	16.6	17.0	14.4	40.4	40.1	40.1	43.3	43.3	39.7
Connecticut	19.8	19.8	20.1	20.5	20.6	18.3	33.3	32.7	32.6	36.1	36.9	32.2
Delaware	21.0	21.3	21.6	20.5	20.7	17.6	35.0	34.4	33.8	37.4	36.8	43.6
District of Columbia ...	21.3	19.2	23.3	22.1	22.2	13.6	21.2	27.6	*	20.0	20.0	*
Florida	21.6	22.1	21.4	20.3	20.3	24.0	25.7	25.6	27.8	25.3	25.4	19.6
Georgia	20.9	20.7	21.2	21.7	21.6	15.6	25.2	26.5	26.4	22.1	22.2	27.3
Hawaii	17.5	19.3	19.3	20.4	21.3	16.5	35.2	34.8	34.7	*	*	36.6
Idaho	16.0	15.9	15.8	29.3	27.8	16.6	36.8	36.9	36.8	*	*	37.1
Illinois	19.3	19.3	20.1	19.4	19.4	16.7	30.1	31.3	31.5	25.4	25.4	30.2
Indiana	20.3	20.2	20.2	21.1	21.2	21.2	26.3	26.6	26.8	24.1	24.0	24.1
Iowa	18.6	18.6	18.7	19.6	19.6	17.4	35.7	35.5	35.3	34.8	33.3	36.6
Kansas	19.2	19.3	19.4	19.8	19.9	19.0	25.1	25.0	24.6	26.1	26.1	27.1
Kentucky	21.3	21.4	21.4	21.0	20.9	16.7	26.8	26.2	26.0	31.9	31.8	*
Louisiana	26.4	27.9	28.0	24.6	24.6	23.4	12.9	11.2	11.0	15.5	15.4	15.7
Maine	20.8	20.9	20.8	*	*	23.5	30.4	30.4	30.5	*	*	*
Maryland	21.6	21.0	21.3	23.2	23.2	17.8	33.0	33.5	33.2	31.6	31.8	34.7
Massachusetts	19.8	20.0	20.3	20.2	20.3	17.1	34.0	34.2	33.8	30.7	29.4	38.3
Michigan	20.2	20.5	20.6	18.9	18.9	19.1	27.1	27.0	27.1	27.5	27.5	27.4
Minnesota	16.9	17.2	17.3	16.9	16.8	16.5	36.1	35.6	35.7	41.9	41.9	37.5
Mississippi	26.6	28.0	28.1	25.2	25.2	27.0	18.1	16.4	16.2	19.8	19.8	*
Missouri	20.4	20.7	20.7	18.8	18.8	18.3	32.2	31.3	31.3	37.6	37.7	28.5
Montana	19.1	18.8	18.7	*	*	20.2	32.7	33.3	33.6	*	*	*
Nebraska	19.8	20.0	20.1	18.5	18.5	19.2	30.6	30.3	30.8	31.0	31.0	26.2
Nevada	19.3	19.0	20.6	22.1	22.3	15.7	29.0	29.2	26.5	30.2	29.5	35.5
New Hampshire	20.3	20.2	20.2	21.6	*	22.9	31.7	31.7	31.7	*	*	*
New Jersey	24.0	24.2	24.1	23.5	23.2	24.8	35.7	35.3	36.9	38.3	39.4	29.0
New Mexico	17.2	17.5	18.0	22.2	22.4	17.1	36.9	35.8	36.7	37.9	38.5	35.0
New York	22.9	22.9	23.6	23.2	23.3	21.8	31.6	31.5	30.7	32.0	32.2	31.6
North Carolina	21.1	21.1	21.5	21.4	21.4	15.9	29.3	29.0	28.5	29.4	29.5	37.0
North Dakota	18.9	18.2	18.2	24.7	23.3	20.4	28.9	31.2	31.2	*	*	*
Ohio	19.0	19.2	19.2	18.6	18.6	18.3	35.5	35.4	35.5	35.5	35.4	34.3
Oklahoma	22.5	22.2	22.3	24.0	24.0	21.0	22.3	23.0	22.9	20.9	21.0	24.1
Oregon	16.9	16.8	17.1	21.2	21.5	15.4	39.5	39.5	38.8	28.4	27.8	43.5
Pennsylvania	19.4	19.5	19.7	19.0	19.0	17.5	34.5	33.8	33.7	38.6	38.8	35.4
Rhode Island	17.7	18.1	18.8	18.0	18.1	16.7	35.1	34.2	32.9	42.4	41.2	36.7
South Carolina	22.6	22.8	22.8	22.3	22.3	23.1	23.3	24.4	24.6	21.2	21.1	20.7
South Dakota	20.8	21.4	21.3	*	*	24.7	22.8	23.1	23.2	*	*	*
Tennessee	21.7	21.9	21.9	21.3	21.3	22.1	27.4	26.9	27.0	28.8	28.8	25.4
Texas	23.1	23.1	23.7	24.5	24.5	22.4	21.7	21.8	23.9	19.4	19.3	19.8
Utah	15.9	15.8	15.7	22.5	22.2	17.4	34.3	34.0	33.7	*	*	36.9
Vermont	16.5	16.4	16.1	*	*	*	41.7	41.9	41.6	*	*	*
Virginia	21.1	20.8	21.0	22.2	22.2	18.3	32.2	32.1	31.9	32.8	32.9	34.1
Washington	16.8	16.5	16.6	21.1	20.8	16.6	35.9	36.1	36.2	32.6	32.3	35.8
West Virginia	22.8	22.8	22.8	23.9	24.0	20.2	23.9	24.0	24.1	*	*	*
Wisconsin	15.6	16.2	16.3	12.0	12.0	13.7	35.5	35.8	35.6	30.1	30.1	39.2
Wyoming	18.3	18.4	18.6	*	*	16.3	34.2	34.4	34.2	*	*	*
Puerto Rico	31.5	32.1	---	24.2	---	---	8.2	8.2	---	8.7	---	---
Virgin Islands	22.4	26.3	26.8	21.6	20.5	25.9	21.8	*	*	20.1	21.2	*
Guam	15.1	13.7	14.4	*	*	*	16.9	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

--- Data not available.

¹ Percent of all live births by cesarean delivery.² Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.³ Includes races other than white and black and origin not stated.⁴ Persons of Hispanic origin may be of any race.⁵ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 42. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by selected maternal medical risk factors and complications of labor and/or delivery: United States, 1996

Medical risk factor and complication	All births to mothers with specified condition and/or procedure	Cesarean delivery rate		Rate of vaginal birth after previous cesarean ³
		Total ¹	Primary ²	
Medical risk factors				
Anemia	75,400	22.0	15.6	31.9
Cardiac disease	19,226	24.1	17.5	32.2
Acute or chronic lung disease	32,006	24.2	17.8	30.6
Diabetes	100,845	35.2	25.4	20.3
Genital herpes ⁴	31,795	36.0	30.4	30.8
Hydramnios/Oligohydramnios	47,824	37.0	31.8	25.9
Hemoglobinopathy	2,979	24.0	17.9	33.5
Hypertension, chronic	26,221	38.6	29.5	20.0
Hypertension, pregnancy-associated	137,724	36.1	31.5	22.4
Eclampsia	13,591	47.8	43.7	17.7
Incompetent cervix	9,817	31.8	25.1	28.3
Renal disease ⁵	10,372	24.1	17.9	30.7
Rh sensitization ⁶	24,396	21.5	15.3	33.8
Uterine bleeding ⁴	25,671	31.2	24.7	28.0
Complications of labor and/or delivery				
Febrile	61,850	30.3	28.4	49.0
Meconium, moderate/heavy	223,536	20.6	17.6	47.5
Premature rupture of membrane	113,112	25.1	22.0	41.4
Abruptio placenta	22,062	58.1	53.8	18.5
Placenta previa	12,915	81.6	77.4	4.3
Other excessive bleeding ⁷	21,142	27.3	21.4	34.1
Seizures during labor	1,617	42.6	40.9	36.8
Precipitous labor (less than 3 hours)	77,614	2.8	1.8	76.5
Prolonged labor (more than 20 hours)	34,445	35.5	34.0	45.7
Dysfunctional labor	105,749	63.1	60.4	17.3
Breech/Malpresentation	146,431	84.7	83.0	5.3
Cephalopelvic disproportion	90,105	96.5	96.1	1.4
Cord prolapse	8,244	66.4	63.9	13.8
Anesthetic complication ⁸	2,214	41.8	32.1	20.7
Fetal distress ⁸	147,814	54.5	51.7	23.9

¹ Percent of all live births by cesarean delivery.² Number of primary cesareans per 100 live births to women who have not had a previous cesarean.³ Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.⁴ Texas does not report this risk factor.⁵ Alabama does not report this risk factor.⁶ Kansas does not report this risk factor.⁷ New Jersey does not report this complication.⁸ Texas does not report this complication.

Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1996

Birthweight ¹ and race and Hispanic origin of mother	All births	Period of gestation ²											Not stated
		Preterm					Term			Postterm			
		Total under 37 weeks	Under 28 weeks	28-31 weeks	32-35 weeks	36 weeks	Total 37-41 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks and over		
Number													
All races ³	3,891,494	423,107	27,456	45,275	198,918	151,458	3,093,025	1,735,210	868,341	489,474	334,713	40,649	
Less than 500 grams	5,462	5,295	5,069	203	21	2	9	3	4	2	2	156	
500-999 grams	21,094	20,519	15,130	4,734	618	37	182	116	36	30	23	370	
1,000-1,499 grams	26,869	24,748	3,666	13,898	6,641	543	1,414	1,015	241	158	254	453	
1,500-1,999 grams	55,943	45,417	1,019	10,513	29,177	4,708	8,865	7,257	1,035	573	860	801	
2,000-2,499 grams	177,862	87,029	767	4,107	55,462	26,693	82,808	66,692	10,856	5,260	6,059	1,966	
2,500-2,999 grams	639,110	110,395	1,111	4,308	49,820	55,156	483,440	347,337	92,877	43,226	38,573	6,702	
3,000-3,499 grams	1,434,698	84,825	-	4,955	36,318	43,552	1,215,035	718,399	328,702	167,934	120,937	13,901	
3,500-3,999 grams	1,127,294	35,121	-	2,449	16,287	16,385	964,314	460,764	316,002	187,548	117,637	10,222	
4,000-4,999 grams	336,514	7,309	-	-	3,726	3,583	284,370	113,468	100,540	70,362	41,576	3,259	
4,500-4,999 grams	55,558	1,192	-	-	564	628	46,093	17,297	16,037	12,759	7,732	541	
5,000 grams or more	6,268	155	-	-	77	78	5,124	2,089	1,652	1,383	903	86	
Not stated	4,822	1,102	694	108	207	93	1,371	773	359	239	157	2,192	
Percent													
Very low birthweight ⁴	1.4	12.0	89.2	41.7	3.7	0.4	0.1	0.1	0.0	0.0	0.1	2.5	
Low birthweight ⁵	7.4	43.4	95.8	74.1	46.3	21.1	3.0	4.3	1.4	1.2	2.2	9.7	
Number													
White, total	3,093,057	299,923	15,912	29,484	141,145	113,382	2,491,649	1,374,026	710,854	406,769	270,957	30,528	
Less than 500 grams	3,006	2,907	2,768	126	11	2	9	3	4	2	-	90	
500-999 grams	12,785	12,404	8,864	3,119	397	24	127	76	27	24	17	237	
1,000-1,499 grams	17,782	16,424	2,251	9,214	4,583	376	907	657	146	104	151	300	
1,500-1,999 grams	38,421	31,246	561	7,154	20,295	3,236	6,074	4,998	677	399	583	518	
2,000-2,499 grams	123,825	61,607	414	2,429	39,770	18,994	56,804	45,875	7,365	3,564	4,134	1,280	
2,500-2,999 grams	458,830	79,396	618	2,443	35,280	41,055	347,497	249,634	66,350	31,513	27,436	4,501	
3,000-3,499 grams	1,127,144	61,717	-	3,151	25,150	33,416	960,282	565,664	260,318	134,300	94,688	10,457	
3,500-3,999 grams	956,042	26,624	-	1,769	12,088	12,767	821,552	390,155	270,220	161,177	99,510	8,356	
4,000-4,999 grams	296,883	5,805	-	-	2,945	2,860	251,658	99,439	89,541	62,678	36,654	2,766	
4,500-4,999 grams	49,494	944	-	-	425	519	41,206	15,179	14,454	11,573	6,883	461	
5,000 grams or more	5,415	122	-	-	56	66	4,445	1,746	1,463	1,236	784	64	
Not stated	3,430	727	436	79	145	67	1,088	600	289	199	117	1,498	
Percent													
Very low birthweight ⁴	1.1	10.6	89.7	42.4	3.5	0.4	0.0	0.1	0.0	0.0	0.1	2.2	
Low birthweight ⁵	6.3	41.6	96.0	75.0	46.1	20.0	2.6	3.8	1.2	1.0	1.8	8.4	
Number													
White, non-Hispanic	2,358,989	222,592	11,747	21,774	103,279	85,792	1,915,914	1,050,238	548,994	316,682	205,431	15,052	
Less than 500 grams	2,235	2,192	2,087	94	11	-	7	2	3	2	-	36	
500-999 grams	9,609	9,398	6,630	2,448	299	21	93	56	19	18	12	106	
1,000-1,499 grams	13,521	12,625	1,629	7,147	3,557	292	638	469	95	74	103	155	
1,500-1,999 grams	29,786	24,412	383	5,523	15,937	2,569	4,680	3,883	494	303	436	258	
2,000-2,499 grams	94,688	47,876	284	1,697	30,944	14,951	43,035	34,945	5,447	2,643	3,120	657	
2,500-2,999 grams	338,305	59,738	401	1,586	26,027	31,724	256,520	185,272	48,242	23,006	19,918	2,129	
3,000-3,499 grams	839,320	42,980	-	2,009	16,307	24,664	721,732	425,755	195,058	100,919	69,557	5,051	
3,500-3,999 grams	745,169	18,095	-	1,204	7,839	9,052	646,251	305,794	213,046	127,411	76,659	4,164	
4,000-4,999 grams	239,174	3,965	-	-	1,936	2,029	204,518	79,981	73,112	51,425	29,243	1,448	
4,500-4,999 grams	40,507	652	-	-	272	380	33,947	12,201	12,047	9,699	5,647	261	
5,000 grams or more	4,333	84	-	-	34	50	3,572	1,369	1,185	1,018	639	38	
Not stated	2,342	575	333	66	116	60	921	511	246	164	97	749	
Percent													
Very low birthweight ⁴	1.1	10.9	90.6	44.6	3.7	0.4	0.0	0.1	0.0	0.0	0.1	2.1	
Low birthweight ⁵	6.4	43.5	96.5	77.9	49.2	20.8	2.5	3.7	1.1	1.0	1.8	8.5	

See footnotes at end of table.

Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1996—Con.

Birthweight ¹ and race and Hispanic origin of mother	All births	Period of gestation ²										
		Preterm					Term				Postterm	Not stated
		Total under 37 weeks	Under 28 weeks	28-31 weeks	32-35 weeks	36 weeks	Total 37-41 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks and over	
Number												
Black, total	594,781	102,539	10,596	13,766	48,020	30,157	438,434	263,430	113,934	61,070	48,351	5,457
Less than 500 grams	2,273	2,218	2,139	69	10	-	-	-	-	-	2	53
500-999 grams	7,536	7,382	5,747	1,439	185	11	50	36	8	6	6	98
1,000-1,499 grams	7,949	7,309	1,280	4,098	1,788	143	438	315	78	45	89	113
1,500-1,999 grams	14,937	12,177	427	2,891	7,641	1,218	2,332	1,876	297	159	236	192
2,000-2,499 grams	44,560	21,412	329	1,506	13,234	6,343	21,054	16,750	2,898	1,406	1,648	446
2,500-2,999 grams	138,659	25,327	431	1,634	12,089	11,173	103,017	73,530	20,305	9,182	9,040	1,275
3,000-3,499 grams	224,383	18,336	-	1,535	8,952	7,849	184,282	109,734	49,461	25,087	20,081	1,684
3,500-3,999 grams	121,528	6,690	-	567	3,347	2,776	100,779	49,666	32,166	18,947	13,210	849
4,000-4,999 grams	27,199	1,140	-	-	610	530	22,463	9,665	7,488	5,310	3,370	226
4,500-4,999 grams	4,140	185	-	-	100	85	3,343	1,493	1,050	800	573	39
5,000 grams or more	565	27	-	-	17	10	463	234	131	98	69	6
Not stated	1,052	336	243	27	47	19	213	131	52	30	27	476
Percent												
Very low birthweight ⁴	3.0	16.5	88.5	40.8	4.1	0.5	0.1	0.1	0.1	0.1	0.2	5.3
Low birthweight ⁵	13.0	49.4	95.8	72.8	47.6	25.6	5.4	7.2	2.9	2.6	4.1	18.1
Number												
Black, non-Hispanic	578,099	100,371	10,390	13,509	46,995	29,477	425,729	256,301	110,426	59,002	46,962	5,037
Less than 500 grams	2,221	2,167	2,090	67	10	-	-	-	-	-	2	52
500-999 grams	7,387	7,239	5,631	1,417	180	11	49	35	8	6	6	93
1,000-1,499 grams	7,811	7,185	1,260	4,017	1,766	142	426	308	74	44	88	112
1,500-1,999 grams	14,660	11,954	418	2,844	7,494	1,198	2,287	1,839	295	153	233	186
2,000-2,499 grams	43,627	20,967	325	1,478	12,951	6,213	20,612	16,401	2,841	1,370	1,619	429
2,500-2,999 grams	135,480	24,822	427	1,605	11,854	10,936	100,592	71,826	19,816	8,950	8,856	1,210
3,000-3,499 grams	218,044	17,890	-	1,503	8,728	7,659	179,007	106,727	47,977	24,303	19,550	1,597
3,500-3,999 grams	117,360	6,495	-	551	3,256	2,688	97,339	48,080	31,037	18,222	12,743	783
4,000-4,999 grams	26,118	1,119	-	-	599	520	21,559	9,291	7,193	5,075	3,229	211
4,500-4,999 grams	3,967	181	-	-	99	82	3,202	1,439	1,004	759	546	38
5,000 grams or more	544	24	-	-	15	9	449	229	129	91	65	6
Not stated	880	328	239	27	43	19	207	126	52	29	25	320
Percent												
Very low birthweight ⁴	3.0	16.6	88.5	40.8	4.2	0.5	0.1	0.1	0.1	0.1	0.2	5.4
Low birthweight ⁵	13.1	49.5	95.8	72.9	47.7	25.7	5.5	7.3	2.9	2.7	4.2	18.5
Number												
Hispanic ⁶	701,339	74,850	3,944	7,493	36,765	26,648	549,392	310,366	153,740	85,286	62,824	14,273
Less than 500 grams	694	651	622	29	-	-	2	1	1	-	-	41
500-999 grams	3,030	2,868	2,124	641	99	4	34	20	8	6	5	123
1,000-1,499 grams	4,105	3,650	590	2,015	969	76	271	188	55	28	46	138
1,500-1,999 grams	8,196	6,481	176	1,546	4,121	638	1,336	1,071	171	94	142	237
2,000-2,499 grams	27,987	13,148	131	713	8,399	3,905	13,284	10,543	1,847	894	972	583
2,500-2,999 grams	116,713	18,978	210	848	9,006	8,914	88,150	62,374	17,562	8,214	7,308	2,277
3,000-3,499 grams	276,870	18,401	-	1,127	8,780	8,494	228,924	134,521	62,462	31,941	24,347	5,198
3,500-3,999 grams	199,955	8,408	-	562	4,204	3,642	165,788	80,075	53,917	31,796	21,762	3,997
4,000-4,999 grams	53,916	1,806	-	-	988	818	43,909	18,308	15,219	10,382	6,959	1,242
4,500-4,999 grams	8,315	283	-	-	148	135	6,715	2,817	2,203	1,695	1,132	185
5,000 grams or more	1,028	40	-	-	24	16	831	369	258	204	132	25
Not stated	530	136	91	12	27	6	148	79	37	32	19	227
Percent												
Very low birthweight ⁴	1.1	9.6	86.6	35.9	2.9	0.3	0.1	0.1	0.0	0.0	0.1	2.2
Low birthweight ⁵	6.3	35.9	94.5	66.1	37.0	17.4	2.7	3.8	1.4	1.2	1.9	8.0

- Quantity zero.

^{0.0} Quantity more than zero but less than 0.05.¹ Equivalents of the gram weights in pounds and ounces are shown in the Technical notes.² Expressed in completed weeks.³ Includes races other than white and black and origin not stated.⁴ Birthweight of less than 1,500 grams.⁵ Birthweight of less than 2,500 grams.⁶ Persons of Hispanic origin may be of any race.

Table 44. Percent of live births preterm and percent of live births of low birthweight and very low birthweight, by race of mother: United States, 1981-96

Year	Preterm ¹			Low birthweight ³			Very low birthweight ⁴		
	All races ²	White	Black	All races ²	White	Black	All races ²	White	Black
1996	11.0	9.8	17.4	7.4	6.3	13.0	1.37	1.09	2.99
1995	11.0	9.7	17.7	7.3	6.2	13.1	1.35	1.06	2.97
1994	11.0	9.6	18.1	7.3	6.1	13.2	1.33	1.02	2.96
1993	11.0	9.5	18.5	7.2	6.0	13.3	1.33	1.01	2.96
1992	10.7	9.1	18.4	7.1	5.8	13.3	1.29	0.96	2.96
1991	10.8	9.1	18.9	7.1	5.8	13.6	1.29	0.96	2.96
1990	10.6	8.9	18.8	7.0	5.7	13.3	1.27	0.95	2.92
1989	10.6	8.8	18.9	7.0	5.7	13.5	1.28	0.95	2.95
1988	10.2	8.5	18.7	6.9	5.7	13.3	1.24	0.93	2.86
1987	10.2	8.5	18.4	6.9	5.7	13.0	1.24	0.94	2.79
1986	10.0	8.4	18.0	6.8	5.7	12.8	1.21	0.93	2.73
1985	9.8	8.2	17.8	6.8	5.7	12.6	1.21	0.93	2.71
1984 ⁵	9.4	7.9	17.1	6.7	5.6	12.6	1.19	0.93	2.60
1983 ⁵	9.6	8.0	17.7	6.8	5.7	12.8	1.19	0.92	2.60
1982 ⁵	9.5	8.0	17.4	6.8	5.6	12.6	1.18	0.91	2.56
1981 ⁵	9.4	7.9	17.3	6.8	5.7	12.7	1.16	0.91	2.52

¹ Births of less than 37 completed weeks gestation.² Includes races other than white and black.³ Less than 2,500 grams (5 lb. 8 oz.).⁴ Less than 1,500 grams (3 lb. 4 oz.).⁵ Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 1996

Age and race and Hispanic origin of mother	Low birthweight ¹		Birthweight ²													Not stated
	Number	Percent	Total	Less than 500 grams	500- 999 grams	1,000- 1,499 grams	1,500- 1,999 grams	2,000- 2,499 grams	2,500- 2,999 grams	3,000- 3,499 grams	3,500- 3,999 grams	4,000- 4,499 grams	4,500- 4,999 grams	5,000- grams or more		
All races ³																
All ages	287,230	7.4	3,891,494	5,462	21,094	26,869	55,943	177,862	639,110	1,434,698	1,127,294	336,514	55,558	6,268	4,822	
Under 15 years	1,422	12.8	11,148	34	157	161	289	781	2,903	4,367	2,056	350	27	3	20	
15-19 years	45,667	9.3	491,577	839	3,426	4,201	8,539	28,662	105,280	196,839	115,186	24,728	3,028	230	619	
15 years	3,196	11.2	28,540	64	270	318	618	1,926	6,778	11,537	5,764	1,098	120	6	41	
16 years	6,037	10.0	60,287	111	498	603	1,125	3,700	13,835	24,331	13,150	2,595	243	21	75	
17 years	9,374	9.7	96,894	163	674	852	1,747	5,938	21,218	39,155	21,836	4,584	557	36	134	
18 years	12,506	9.3	135,059	244	897	1,139	2,401	7,825	28,870	53,945	32,024	6,689	803	69	153	
19 years	14,554	8.5	170,797	257	1,087	1,289	2,648	9,273	34,579	67,871	42,412	9,762	1,305	98	216	
20-24 years	69,809	7.4	945,210	1,389	4,937	6,125	12,973	44,385	170,289	365,392	258,783	68,692	10,091	995	1,159	
25-29 years	69,499	6.5	1,071,287	1,351	5,253	6,401	13,315	43,179	161,557	392,935	327,639	100,223	16,379	1,856	1,199	
30-34 years	61,331	6.8	897,913	1,126	4,422	5,793	12,485	37,505	127,695	315,106	281,123	93,262	16,403	1,877	1,116	
35-39 years	32,268	8.1	399,510	581	2,391	3,374	6,762	19,160	59,530	135,479	121,067	41,418	8,127	1,062	559	
40-44 years	6,782	9.5	71,804	137	480	765	1,462	3,938	11,331	23,611	20,670	7,588	1,452	228	142	
45-49 years	452	14.9	3,045	5	28	49	118	252	525	969	770	253	51	17	8	
White, total																
All ages	195,819	6.3	3,093,057	3,006	12,785	17,782	38,421	123,825	458,830	1,127,144	956,042	296,883	49,494	5,415	3,430	
Under 15 years	579	10.5	5,526	12	63	69	112	323	1,284	2,248	1,173	234	15	3	10	
15-19 years	27,238	7.9	344,685	432	1,902	2,392	5,123	17,389	66,645	138,613	88,942	20,194	2,498	188	367	
15 years	1,634	9.6	16,978	35	130	162	333	974	3,478	6,960	3,967	828	90	3	18	
16 years	3,390	8.6	39,401	62	274	323	627	2,104	8,090	16,000	9,623	2,047	196	17	38	
17 years	5,489	8.2	66,997	72	382	500	1,023	3,512	13,259	27,317	16,627	3,733	462	32	78	
18 years	7,614	7.9	96,246	125	512	663	1,497	4,817	18,680	38,628	25,048	5,461	656	57	102	
19 years	9,111	7.3	125,063	138	604	744	1,643	5,982	23,138	49,708	33,677	8,125	1,094	79	131	
20-24 years	45,667	6.3	726,669	716	2,785	3,873	8,574	29,720	119,258	279,281	213,094	59,009	8,748	836	778	
25-29 years	49,346	5.6	878,449	766	3,299	4,399	9,460	31,422	120,483	318,176	283,770	89,498	14,692	1,610	874	
30-34 years	44,550	6.0	747,436	669	2,843	4,154	9,117	27,767	97,137	258,637	245,648	84,082	14,877	1,647	858	
35-39 years	23,305	7.1	329,782	325	1,575	2,323	4,921	14,161	45,186	110,495	105,127	36,992	7,337	919	421	
40-44 years	4,764	8.2	58,062	83	296	525	1,022	2,838	8,452	18,932	17,660	6,659	1,284	196	115	
45-49 years	370	15.2	2,448	4	22	47	92	205	407	762	628	215	43	16	7	
White, non-Hispanic																
All ages	149,839	6.4	2,358,989	2,235	9,609	13,521	29,786	94,688	338,305	839,320	745,169	239,174	40,507	4,333	2,342	
Under 15 years	285	11.3	2,532	5	36	33	63	148	553	950	589	136	12	1	6	
15-19 years	18,257	8.1	225,197	318	1,305	1,597	3,463	11,574	41,780	87,590	60,637	14,630	1,927	145	231	
15 years	863	9.5	9,071	26	80	82	173	502	1,782	3,532	2,284	528	61	2	9	
16 years	2,063	8.9	23,312	46	174	193	385	1,265	4,477	9,122	6,065	1,412	139	13	21	
17 years	3,564	8.4	42,686	55	259	338	682	2,230	8,104	16,806	11,130	2,661	345	24	52	
18 years	5,240	8.2	64,290	91	357	437	1,041	3,314	12,123	24,964	17,413	3,933	515	43	59	
19 years	6,627	7.6	85,838	100	435	547	1,182	4,263	15,294	33,166	23,735	6,096	867	63	90	
20-24 years	32,675	6.4	508,056	520	1,989	2,769	6,298	21,099	81,124	189,813	162,221	44,286	6,777	642	518	
25-29 years	38,834	5.7	683,376	568	2,542	3,493	7,505	24,726	91,692	242,996	223,642	72,242	12,036	1,308	626	
30-34 years	36,465	5.9	616,224	512	2,273	3,340	7,482	22,858	78,751	210,923	204,792	70,847	12,542	1,321	583	
35-39 years	19,184	7.0	274,431	250	1,218	1,843	4,081	11,792	37,258	91,179	88,310	31,336	6,111	756	297	
40-44 years	3,816	8.1	47,215	61	224	400	814	2,317	6,820	15,267	14,496	5,525	1,064	151	76	
45-49 years	323	16.5	1,958	1	22	46	80	174	327	602	482	172	38	9	5	

See footnotes at end of table.

Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 1996--Con.

Age and race and Hispanic origin of mother	Low birthweight ¹		Birthweight ²												
	Number	Percent	Total	Less than 500 grams	500- 999 grams	1,000- 1,499 grams	1,500- 1,999 grams	2,000- 2,499 grams	2,500- 2,999 grams	3,000- 3,499 grams	3,500- 3,999 grams	4,000- 4,499 grams	4,500- 4,999 grams	5,000- grams or more	Not stated
Black, total															
All ages	77,255	13.0	594,781	2,273	7,536	7,949	14,937	44,560	138,659	224,383	121,528	27,199	4,140	565	1,052
Under 15 years	797	15.4	5,193	21	92	80	165	439	1,519	1,961	799	99	9	-	9
15-19 years	17,104	13.1	130,596	392	1,428	1,685	3,155	10,444	34,929	51,621	22,615	3,695	400	30	202
15 years	1,454	13.9	10,498	28	128	146	263	889	3,050	4,128	1,588	232	22	2	22
16 years	2,465	13.2	18,753	45	209	267	458	1,486	5,277	7,448	3,066	438	34	1	24
17 years	3,630	13.6	26,775	85	272	331	672	2,270	7,220	10,577	4,506	715	75	4	48
18 years	4,511	13.1	34,394	116	367	438	829	2,761	9,188	13,573	5,967	997	107	11	40
19 years	5,044	12.6	40,176	118	452	503	933	3,038	10,194	15,895	7,488	1,313	162	12	68
20-24 years	21,345	11.9	179,361	636	2,021	2,070	3,932	12,686	42,556	70,315	36,310	7,398	1,017	119	301
25-29 years	16,338	12.3	133,204	545	1,764	1,704	3,203	9,122	28,699	49,859	29,442	7,320	1,140	167	239
30-34 years	13,139	14.0	94,295	415	1,383	1,369	2,685	7,287	19,676	33,326	21,275	5,572	978	142	187
35-39 years	6,991	16.0	43,716	218	698	850	1,472	3,753	9,453	14,647	9,345	2,605	494	86	95
40-44 years	1,488	18.4	8,124	46	144	189	309	800	1,766	2,560	1,676	495	100	21	18
45-49 years	53	18.2	292	-	6	2	16	29	61	94	66	15	2	-	1
Black, non-Hispanic															
All ages	75,706	13.1	578,099	2,221	7,387	7,811	14,660	43,627	135,480	218,044	117,360	26,118	3,967	544	880
Under 15 years	786	15.5	5,084	21	91	80	162	432	1,490	1,917	778	96	9	-	8
15-19 years	16,817	13.2	127,616	385	1,407	1,661	3,105	10,259	34,254	50,364	21,980	3,603	388	29	181
15 years	1,440	14.0	10,301	28	127	145	263	877	2,990	4,048	1,552	228	21	2	20
16 years	2,430	13.2	18,367	45	207	264	452	1,462	5,190	7,278	2,985	429	33	1	21
17 years	3,559	13.6	26,134	83	269	324	660	2,223	7,091	10,288	4,377	701	71	4	43
18 years	4,431	13.2	33,616	112	364	429	811	2,715	9,006	13,271	5,792	965	104	10	37
19 years	4,957	12.7	39,198	117	440	499	919	2,982	9,977	15,479	7,274	1,280	159	12	60
20-24 years	20,973	12.0	174,958	624	1,987	2,040	3,865	12,457	41,683	68,566	35,254	7,136	973	116	257
25-29 years	15,987	12.4	129,002	528	1,728	1,673	3,154	8,904	27,957	48,296	28,340	6,989	1,088	160	185
30-34 years	12,824	14.1	91,050	402	1,351	1,337	2,622	7,112	19,132	32,198	20,365	5,302	942	136	151
35-39 years	6,818	16.2	42,279	217	679	830	1,437	3,655	9,196	14,146	8,978	2,505	469	83	84
40-44 years	1,451	18.6	7,835	44	138	188	301	780	1,709	2,472	1,602	472	96	20	13
45-49 years	50	18.2	275	-	6	2	14	28	59	85	63	15	2	-	1
Hispanic ⁴															
All ages	44,012	6.3	701,339	694	3,030	4,105	8,196	27,987	116,713	276,870	199,955	53,916	8,315	1,028	530
Under 15 years	301	9.9	3,056	7	28	36	51	179	731	1,319	602	96	3	2	2
15-19 years	8,958	7.5	118,878	109	601	797	1,639	5,812	24,830	50,914	28,046	5,426	559	46	99
15 years	779	9.8	7,971	9	49	82	161	478	1,733	3,446	1,683	295	28	1	6
16 years	1,332	8.3	16,139	14	99	127	242	850	3,619	6,903	3,577	632	57	5	14
17 years	1,929	8.0	24,234	18	128	165	336	1,282	5,167	10,505	5,449	1,040	115	8	21
18 years	2,355	7.4	31,711	33	151	227	451	1,493	6,537	13,610	7,538	1,489	138	15	29
19 years	2,563	6.6	38,823	35	174	196	449	1,709	7,774	16,450	9,799	1,970	221	17	29
20-24 years	12,668	5.9	214,173	172	779	1,076	2,216	8,425	37,657	87,969	59,377	14,251	1,898	188	165
25-29 years	9,966	5.4	185,478	180	720	868	1,831	6,367	27,673	71,895	56,880	16,180	2,467	287	130
30-34 years	7,439	6.2	119,690	150	507	766	1,502	4,514	17,025	43,840	37,000	11,884	2,115	306	81
35-39 years	3,762	7.6	49,812	54	325	449	752	2,182	7,242	17,467	15,053	5,028	1,072	148	40
40-44 years	881	9.0	9,819	19	70	112	196	484	1,484	3,323	2,864	1,014	197	44	12
45-49 years	37	8.6	433	3	-	1	9	24	71	143	133	37	4	7	1

- Quantity zero.

¹ Less than 2,500 grams.² Equivalents of gram weights in terms of pounds and ounces are shown in Technical notes.³ Includes races other than white and black and origin not stated.⁴ Persons of Hispanic origin may be of any race.

Table 46. Number and percent of births of low birthweight by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence. Low birthweight is birthweight of less than 2,500 grams (5 lb 8 oz)]

State	Number						Percent					
	All races ¹	White		Black		Hispanic ²	All races ¹	White		Black		Hispanic ²
		Total	Non- Hispanic	Total	Non- Hispanic			Total	Non- Hispanic	Total	Non- Hispanic	
United States ³	287,230	195,819	149,839	77,255	75,706	44,012	7.4	6.3	6.4	13.0	13.1	6.3
Alabama	5,614	2,893	2,837	2,668	2,665	60	9.3	7.2	7.2	13.6	13.7	6.4
Alaska	549	339	318	51	48	39	5.5	5.0	5.1	12.1	12.4	6.0
Arizona	5,039	4,287	2,552	288	277	1,767	6.7	6.5	6.6	12.4	12.4	6.3
Arkansas	3,077	1,959	1,886	1,072	1,066	77	8.5	7.0	7.1	13.6	13.6	5.9
California	32,729	24,044	10,307	4,544	4,418	13,820	6.1	5.5	5.6	11.8	11.9	5.4
Colorado	4,906	4,334	3,253	387	370	1,064	8.8	8.5	8.4	15.0	15.1	8.6
Connecticut	3,203	2,417	1,792	674	633	494	7.2	6.4	5.9	12.9	13.1	8.7
Delaware	863	509	461	334	331	50	8.5	6.7	6.7	14.1	14.1	7.6
District of Columbia	1,196	148	88	1,034	1,026	62	14.3	7.2	7.1	16.7	16.7	8.0
Florida	14,868	9,348	7,159	5,171	5,067	2,281	7.9	6.6	6.6	12.2	12.3	6.4
Georgia	9,729	4,692	4,309	4,887	4,853	339	8.5	6.4	6.5	12.7	12.7	5.4
Hawaii	1,330	234	200	44	41	131	7.3	4.9	4.9	8.6	8.4	6.1
Idaho	1,071	1,023	863	3	3	146	5.8	5.7	5.5	*	*	6.7
Illinois	14,617	8,842	6,940	5,246	5,221	1,919	8.0	6.3	6.4	14.5	14.5	5.8
Indiana	6,327	5,040	4,820	1,217	1,210	208	7.6	6.9	6.9	13.9	13.9	7.1
Iowa	2,359	2,125	2,003	154	145	88	6.4	6.0	6.0	14.7	14.8	5.9
Kansas	2,545	2,107	1,896	370	370	194	6.9	6.4	6.5	13.4	13.5	6.0
Kentucky	4,144	3,499	3,456	616	613	41	7.9	7.4	7.4	12.7	12.7	7.4
Louisiana	6,440	2,561	2,500	3,777	3,769	66	9.9	6.9	6.9	14.3	14.3	5.2
Maine	809	786	766	12	12	6	5.9	5.8	5.9	*	*	*
Maryland	6,158	2,914	2,692	3,064	3,018	201	8.6	6.3	6.4	13.4	13.4	6.2
Massachusetts	5,069	4,082	3,510	750	655	613	6.4	6.0	5.7	10.4	11.2	8.0
Michigan	10,187	6,717	6,044	3,268	3,198	306	7.7	6.4	6.4	13.6	13.5	6.1
Minnesota	3,707	3,094	2,866	373	370	137	5.8	5.4	5.7	12.0	12.1	5.9
Mississippi	4,047	1,571	1,555	2,440	2,439	17	9.9	7.3	7.4	12.9	12.9	*
Missouri	5,540	4,012	3,911	1,428	1,425	96	7.5	6.5	6.5	12.8	12.9	6.3
Montana	694	593	544	5	5	24	6.4	6.2	6.1	*	*	8.1
Nebraska	1,462	1,287	1,150	129	128	119	6.3	6.0	6.0	10.7	10.7	6.4
Nevada	1,960	1,528	1,100	276	271	430	7.5	6.8	7.2	14.0	14.0	6.2
New Hampshire	695	673	631	8	7	15	4.8	4.7	4.6	*	*	*
New Jersey	8,741	5,499	4,129	2,677	2,592	1,380	7.7	6.4	6.2	13.1	13.5	7.1
New Mexico	2,046	1,741	732	63	58	1,021	7.5	7.5	7.3	13.5	13.3	7.7
New York	20,231	12,487	7,211	6,575	5,915	3,970	7.7	6.5	6.1	11.9	12.3	7.5
North Carolina	9,115	5,022	4,702	3,767	3,755	335	8.7	6.8	6.9	13.9	13.9	6.2
North Dakota	479	423	411	9	8	9	5.7	5.7	5.8	*	*	*
Ohio	11,387	8,326	8,111	2,901	2,891	205	7.5	6.5	6.5	13.2	13.2	6.8
Oklahoma	3,372	2,487	2,299	582	579	192	7.4	6.8	6.8	13.1	13.1	6.8
Oregon	2,325	2,099	1,776	100	100	323	5.3	5.2	5.1	11.2	11.5	5.9
Pennsylvania	11,153	8,028	7,397	2,891	2,850	638	7.5	6.5	6.3	14.1	14.1	9.5
Rhode Island	869	723	502	112	90	122	6.9	6.5	6.1	12.0	12.1	7.4
South Carolina	4,698	2,263	2,202	2,374	2,370	62	9.2	7.0	7.0	13.2	13.2	6.4
South Dakota	611	506	495	8	8	11	5.8	5.8	5.8	*	*	*
Tennessee	6,515	4,148	4,047	2,272	2,268	99	8.8	7.3	7.3	14.2	14.2	7.0
Texas	23,782	18,326	8,934	4,803	4,770	9,392	7.2	6.5	6.4	12.4	12.4	6.6
Utah	2,790	2,625	2,299	39	38	322	6.6	6.6	6.4	12.0	15.1	8.2
Vermont	417	412	383	1	1	4	6.2	6.2	6.0	*	*	*
Virginia	7,056	4,205	3,838	2,546	2,538	369	7.7	6.3	6.2	12.2	12.2	7.2
Washington	4,327	3,572	2,951	333	313	489	5.6	5.3	5.2	10.8	10.9	5.5
West Virginia	1,653	1,554	1,550	92	92	6	8.0	7.8	7.8	12.4	12.5	*
Wisconsin	4,200	3,219	3,019	814	810	203	6.3	5.6	5.5	12.7	12.7	6.5
Wyoming	529	496	442	6	6	50	8.4	8.3	8.1	*	*	9.6
Puerto Rico	6,569	6,030	—	534	—	—	10.4	10.4	—	10.7	—	—
Virgin Islands	142	19	2	119	103	16	7.5	*	*	7.9	7.6	*
Guam	304	11	10	3	3	1	7.2	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

— Data not available.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.³ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 47. Number and percent of births of very low birthweight by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1996

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams (3 lb 4 oz)]

State	Number						Percent					
	All races ¹	White		Black		Hispanic ²	All races ¹	White		Black		Hispanic ²
		Total	Non- Hispanic	Total	Non- Hispanic			Total	Non- Hispanic	Total	Non- Hispanic	
United States ³	53,425	33,573	25,365	17,758	17,419	7,829	1.4	1.1	1.1	3.0	3.0	1.1
Alabama	1,166	536	520	623	621	18	1.9	1.3	1.3	3.2	3.2	*
Alaska	98	52	46	15	13	14	1.0	0.8	0.7	*	*	*
Arizona	842	709	407	68	67	306	1.1	1.1	1.1	2.9	3.0	1.1
Arkansas	596	350	339	238	235	13	1.6	1.3	1.3	3.0	3.0	*
California	5,813	4,238	1,675	971	944	2,571	1.1	1.0	0.9	2.5	2.5	1.0
Colorado	715	634	466	61	58	159	1.3	1.2	1.2	2.4	2.4	1.3
Connecticut	653	459	323	171	160	105	1.5	1.2	1.1	3.3	3.3	1.9
Delaware	183	99	92	79	79	7	1.8	1.3	1.3	3.3	3.4	*
District of Columbia	296	20	15	274	271	7	3.5	1.0	*	4.4	4.4	*
Florida	2,831	1,606	1,210	1,172	1,148	413	1.5	1.1	1.1	2.8	2.8	1.2
Georgia	1,915	797	725	1,099	1,094	63	1.7	1.1	1.1	2.9	2.9	1.0
Hawaii	196	45	42	9	8	17	1.1	0.9	1.0	*	*	*
Idaho	158	148	122	1	1	21	0.8	0.8	0.8	*	*	1.0
Illinois	2,759	1,545	1,219	1,141	1,136	330	1.5	1.1	1.1	3.2	3.2	1.0
Indiana	1,168	890	834	270	270	50	1.4	1.2	1.2	3.1	3.1	1.7
Iowa	449	396	368	40	39	15	1.2	1.1	1.1	3.8	4.0	*
Kansas	508	402	363	94	94	35	1.4	1.2	1.2	3.4	3.4	1.1
Kentucky	715	581	572	131	131	8	1.4	1.2	1.2	2.7	2.7	*
Louisiana	1,233	410	405	808	806	8	1.9	1.1	1.1	3.1	3.1	*
Maine	167	162	157	3	3	1	1.2	1.2	1.2	*	*	*
Maryland	1,357	511	462	816	808	44	1.9	1.1	1.1	3.6	3.6	1.4
Massachusetts	907	693	585	181	164	105	1.1	1.0	0.9	2.5	2.8	1.4
Michigan	1,989	1,210	1,094	745	727	60	1.5	1.1	1.2	3.1	3.1	1.2
Minnesota	706	571	536	89	87	30	1.1	1.0	1.1	2.9	2.9	1.3
Mississippi	787	246	245	533	533	1	1.9	1.1	1.2	2.8	2.8	*
Missouri	944	631	608	302	302	22	1.3	1.0	1.0	2.7	2.7	1.5
Montana	121	105	90	-	-	6	1.1	1.1	1.0	*	*	*
Nebraska	290	255	227	31	31	26	1.2	1.2	1.2	2.6	2.6	1.4
Nevada	263	209	163	52	52	46	1.1	0.9	1.1	2.6	2.7	0.7
New Hampshire	118	115	103	-	-	3	0.8	0.8	0.8	*	*	*
New Jersey	1,765	1,016	755	673	656	253	1.5	1.2	1.1	3.3	3.4	1.3
New Mexico	312	261	107	12	12	158	1.1	1.1	1.1	*	*	1.2
New York	3,923	2,130	1,172	1,630	1,486	729	1.5	1.1	1.0	2.9	3.1	1.4
North Carolina	1,864	908	860	891	888	54	1.8	1.2	1.3	3.3	3.3	1.0
North Dakota	73	62	59	2	1	2	0.9	0.8	0.8	*	*	*
Ohio	2,143	1,450	1,405	674	672	42	1.4	1.1	1.1	3.1	3.1	1.4
Oklahoma	518	333	313	137	136	21	1.1	0.9	0.9	3.1	3.1	0.7
Oregon	392	349	288	18	18	62	0.9	0.9	0.8	*	*	1.1
Pennsylvania	2,070	1,390	1,280	650	637	114	1.4	1.1	1.1	3.2	3.2	1.7
Rhode Island	129	98	64	27	22	21	1.0	0.9	0.8	2.9	3.0	1.3
South Carolina	922	384	367	531	531	16	1.8	1.2	1.2	3.0	3.0	*
South Dakota	101	79	79	2	2	1	1.0	0.9	0.9	*	*	*
Tennessee	1,255	712	701	531	531	11	1.7	1.3	1.3	3.3	3.3	*
Texas	4,121	3,019	1,452	1,011	1,004	1,571	1.2	1.1	1.0	2.6	2.6	1.1
Utah	457	417	363	12	12	53	1.1	1.0	1.0	*	*	1.3
Vermont	63	63	53	-	-	1	0.9	0.9	0.8	*	*	*
Virginia	1,418	726	657	651	646	70	1.5	1.1	1.1	3.1	3.1	1.4
Washington	788	642	528	80	75	87	1.0	1.0	0.9	2.6	2.6	1.0
West Virginia	253	233	232	18	18	2	1.2	1.2	1.2	*	*	*
Wisconsin	829	612	563	190	189	49	1.2	1.1	1.0	3.0	3.0	1.6
Wyoming	66	64	54	1	1	8	1.1	1.1	1.0	*	*	*
Puerto Rico	841	773	—	67	—	—	1.3	1.3	—	1.3	—	—
Virgin Islands	39	3	-	35	27	4	2.0	*	*	2.3	2.0	*
Guam	32	2	1	-	-	1	0.8	*	*	*	*	*

* Figure does not meet standards of reliability or precision.

- Quantity zero.

— Data not available.

¹ Includes races other than white and black and origin not stated.² Persons of Hispanic origin may be of any race.³ Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 1996

[Rates are number of live births with specified abnormal condition per 1,000 live births in specified group]

Abnormal condition and race of mother	All births ¹	Abnormal condition reported	Age of mother							Not stated	
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years		
All races ²											
Anemia	3,891,494	4,240	1.1	1.2	1.1	1.1	1.1	1.2	1.2	70,766	
Birth injury ³	3,457,526	10,676	3.2	3.1	3.2	3.4	3.1	2.9	2.7	71,053	
Fetal alcohol syndrome ⁴	3,824,388	276	0.1	*	0.1	0.1	0.1	0.1	*	71,923	
Hyaline membrane disease/RDS	3,891,494	25,266	6.6	7.9	6.8	6.3	6.0	6.5	6.7	70,766	
Meconium aspiration syndrome	3,891,494	9,483	2.5	2.7	2.6	2.4	2.3	2.5	2.8	70,766	
Assisted ventilation less than 30 minutes ⁵	3,768,538	77,028	20.9	21.6	20.0	20.5	20.9	22.5	24.4	78,493	
Assisted ventilation 30 minutes or longer ⁵	3,768,538	31,996	8.7	10.5	8.7	8.1	8.0	8.9	10.9	78,493	
Seizures	3,891,494	2,380	0.6	0.7	0.7	0.6	0.6	0.6	0.8	70,766	
White											
Anemia	3,093,062	3,101	1.0	1.1	1.0	1.0	1.0	1.1	1.1	56,048	
Birth injury ³	2,720,759	9,011	3.4	3.6	3.5	3.6	3.2	3.0	2.8	57,240	
Fetal alcohol syndrome ⁴	3,035,128	156	0.1	*	0.0	0.1	0.0	0.1	*	57,151	
Hyaline membrane disease/RDS	3,093,062	20,349	6.7	8.1	6.9	6.5	6.1	6.5	6.7	56,048	
Meconium aspiration syndrome	3,093,062	7,208	2.4	2.7	2.5	2.3	2.2	2.4	2.6	56,048	
Assisted ventilation less than 30 minutes ⁵	3,023,488	61,757	20.9	21.1	19.7	20.6	21.0	22.7	24.8	62,637	
Assisted ventilation 30 minutes or longer ⁵	3,023,488	24,616	8.3	10.2	8.3	7.8	7.7	8.5	10.5	62,637	
Seizures	3,093,062	1,826	0.6	0.6	0.6	0.6	0.6	0.6	0.8	56,048	
Black											
Anemia	594,782	914	1.6	1.4	1.4	1.7	1.6	1.8	2.4	10,838	
Birth injury ³	547,344	934	1.7	1.8	1.7	1.8	1.7	1.7	*	9,999	
Fetal alcohol syndrome ⁴	588,351	98	0.2	*	*	0.2	0.4	*	*	10,875	
Hyaline membrane disease/RDS	594,782	4,178	7.2	7.6	7.0	6.9	6.7	8.1	8.0	10,838	
Meconium aspiration syndrome	594,782	1,883	3.2	2.9	2.9	3.5	3.6	3.6	4.9	10,838	
Assisted ventilation less than 30 minutes ⁵	554,031	12,026	22.2	22.6	21.3	21.2	22.8	25.2	25.4	11,327	
Assisted ventilation 30 minutes or longer ⁵	554,031	6,085	11.2	11.2	10.3	11.2	11.7	13.1	17.1	11,327	
Seizures	594,782	467	0.8	0.8	0.8	0.8	0.8	0.8	*	10,838	

* Figure does not meet standards of reliability or precision.

0.0 Quantity more than zero but less than 0.05.

¹ Total number of births to residents of areas reporting specified condition.² Includes races other than white and black.³ Massachusetts, Nebraska, and Texas do not report this condition.⁴ Wisconsin does not report this condition.⁵ New York City does not report this condition.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1996

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

Congenital anomaly and race of mother	All births ¹	Congenital anomaly reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
All races ²										
Anencephalus	3,864,266	486	12.8	14.1	12.0	13.0	13.3	12.0	*	56,424
Spina bifida/Meningocele	3,864,266	984	25.8	27.1	31.0	27.0	21.7	18.2	*	56,424
Hydrocephalus	3,864,266	1,047	27.5	33.6	28.6	26.1	24.5	22.5	56.1	56,424
Microcephalus	3,864,266	310	8.1	9.8	7.1	8.2	7.7	8.7	*	56,424
Other central nervous system anomalies	3,864,266	854	22.4	26.7	23.1	22.3	19.0	22.3	28.7	56,424
Heart malformations	3,864,266	4,398	115.5	107.3	111.9	111.2	117.7	128.5	182.0	56,424
Other circulatory/respiratory anomalies	3,864,266	5,234	137.5	143.8	143.0	126.0	133.5	145.6	192.9	56,424
Rectal atresia/stenosis	3,864,266	343	9.0	11.0	8.9	7.5	9.1	10.7	*	56,424
Tracheo-esophageal fistula/Esoophageal atresia	3,864,266	562	14.8	14.9	13.5	13.9	16.8	14.3	*	56,424
Omphalocele/Gastroschisis	3,864,266	1,029	27.0	52.1	35.0	22.3	14.8	17.7	*	56,424
Other gastrointestinal anomalies	3,864,266	1,259	33.1	37.9	30.8	34.5	29.0	35.8	42.4	56,424
Malformed genitalia	3,864,266	2,875	75.5	79.0	69.8	74.8	76.7	84.4	72.5	56,424
Renal agenesis	3,864,266	511	13.4	15.1	11.5	15.4	12.6	12.0	*	56,424
Other urogenital anomalies	3,864,266	4,505	118.3	106.7	106.6	116.9	129.1	134.8	146.4	56,424
Cleft lip/palate	3,864,266	3,307	86.8	91.6	91.9	84.6	83.5	85.0	72.5	56,424
Polydactyly/Syndactyly/Adactyly	3,864,266	3,242	85.1	111.4	94.4	78.4	74.0	73.4	83.5	56,424
Clubfoot	3,864,266	2,224	58.4	61.9	60.3	64.1	51.7	49.4	57.5	56,424
Diaphragmatic hernia	3,864,266	499	13.1	15.1	11.8	11.9	12.9	17.1	*	56,424
Other musculoskeletal/integumental anomalies	3,864,266	7,775	204.2	223.4	201.3	197.3	202.0	207.5	218.9	56,424
Down's syndrome	3,864,266	1,676	44.0	26.7	24.4	26.4	44.5	101.1	350.3	56,424
Other chromosomal anomalies	3,864,266	1,463	38.4	32.4	34.7	33.8	35.7	60.6	105.4	56,424
White										
Anencephalus	3,069,862	393	13.0	16.4	12.0	13.4	12.6	12.4	*	45,436
Spina bifida/Meningocele	3,069,862	833	27.5	31.4	34.2	28.7	22.8	17.7	*	45,436
Hydrocephalus	3,069,862	866	28.6	36.3	32.0	27.1	24.3	22.0	55.9	45,436
Microcephalus	3,069,862	219	7.2	7.3	7.2	6.9	8.1	7.1	*	45,436
Other central nervous system anomalies	3,069,862	691	22.8	25.5	23.2	23.6	19.4	23.6	*	45,436
Heart malformations	3,069,862	3,612	119.4	112.8	118.0	115.1	121.8	125.3	176.1	45,436
Other circulatory/respiratory anomalies	3,069,862	4,264	141.0	152.7	151.5	127.7	134.6	146.7	188.0	45,436
Rectal atresia/stenosis	3,069,862	291	9.6	12.9	9.3	7.9	9.6	12.1	*	45,436
Tracheo-esophageal fistula/Esoophageal atresia	3,069,862	467	15.4	16.1	14.8	13.6	17.8	14.6	*	45,436
Omphalocele/Gastroschisis	3,069,862	794	26.3	56.3	34.9	21.7	13.8	16.8	*	45,436
Other gastrointestinal anomalies	3,069,862	1,024	33.9	36.6	33.0	35.6	28.8	38.5	40.6	45,436
Malformed genitalia	3,069,862	2,453	81.1	87.0	75.5	79.9	82.3	88.1	79.6	45,436
Renal agenesis	3,069,862	430	14.2	16.7	11.7	15.9	13.5	13.3	*	45,436
Other urogenital anomalies	3,069,862	3,910	129.3	118.1	122.4	124.5	139.1	141.8	155.8	45,436
Cleft lip/palate	3,069,862	2,881	95.3	110.5	100.8	91.3	89.7	93.4	77.9	45,436
Polydactyly/Syndactyly/Adactyly	3,069,862	1,838	60.8	70.6	64.5	56.4	57.3	61.4	62.7	45,436
Clubfoot	3,069,862	1,939	64.1	74.7	66.6	70.1	55.4	51.5	62.7	45,436
Diaphragmatic hernia	3,069,862	425	14.1	15.5	13.7	12.8	12.8	18.6	*	45,436
Other musculoskeletal/integumental anomalies	3,069,862	5,980	197.7	222.4	195.9	190.2	195.0	199.8	208.3	45,436
Down's syndrome	3,069,862	1,467	48.5	31.4	26.2	28.4	49.5	108.0	372.6	45,436
Other chromosomal anomalies	3,069,862	1,182	39.1	34.3	34.8	35.3	35.9	60.8	93.1	45,436

See footnotes at end of table.

Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1996 – Con.

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

Congenital anomaly and race of mother	All births ¹	Congenital anomaly reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-49 years	
Black										
Anencephalus	594,314	70	11.9	*	*	*	*	*	*	7,759
Spina bifida/Meningocele	594,314	114	19.4	17.9	18.1	19.8	*	*	*	7,759
Hydrocephalus	594,314	136	23.2	23.9	17.0	22.1	28.0	*	*	7,759
Microcephalus	594,314	77	13.1	15.7	*	16.0	*	*	*	7,759
Other central nervous system anomalies	594,314	119	20.3	26.9	19.8	17.5	*	*	*	7,759
Heart malformations	594,314	586	99.9	92.5	88.2	90.6	102.2	164.7	253.8	7,759
Other circulatory/respiratory anomalies	594,314	598	102.0	103.7	96.1	98.2	104.4	109.1	*	7,759
Rectal atresia/stenosis	594,314	34	5.8	*	*	*	*	*	*	7,759
Tracheo-esophageal fistula/Esophageal atresia	594,314	64	10.9	*	*	*	*	*	*	7,759
Omphalocele/Gastroschisis	594,314	187	31.9	38.8	32.8	30.5	22.6	*	*	7,759
Other gastrointestinal anomalies	594,314	187	31.9	39.5	24.9	32.0	34.4	*	*	7,759
Malformed genitalia	594,314	311	53.0	60.4	44.1	48.7	58.1	67.3	*	7,759
Renal agenesis	594,314	63	10.7	*	*	*	*	*	*	7,759
Other urogenital anomalies	594,314	423	72.1	79.1	50.9	75.4	86.1	99.8	*	7,759
Cleft lip/palate	594,314	264	45.0	43.3	53.1	42.6	43.0	*	*	7,759
Polydactyly/Syndactyly/Adactyly	594,314	1,291	220.1	220.8	219.9	228.5	222.8	183.3	241.7	7,759
Clubfoot	594,314	216	36.8	30.6	34.5	38.8	37.7	53.4	*	7,759
Diaphragmatic hernia	594,314	55	9.4	14.9	*	*	*	*	*	7,759
Other musculoskeletal/integumental anomalies	594,314	1,089	185.7	190.2	182.0	178.2	200.2	181.0	*	7,759
Down's syndrome	594,314	155	26.4	16.4	18.7	16.8	22.6	62.6	362.5	7,759
Other chromosomal anomalies	594,314	203	34.6	25.4	31.1	25.9	43.0	67.3	*	7,759

* Figure does not meet standards of reliability or precision.

¹ Total number of births.² Includes races other than white and black.

NOTES: Excludes data for New Mexico, which did not report congenital anomalies.

Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 1996

Plurality and race and Hispanic origin of mother	All ages	Age of mother									
		Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
			Total	15-17 years	18-19 years						
Number											
All live births											
All races ¹	3,891,494	11,148	491,577	185,721	305,856	945,210	1,071,287	897,913	399,510	71,804	3,045
White, total	3,093,057	5,526	344,685	123,376	221,309	726,669	878,449	747,436	329,782	58,062	2,448
White, non-Hispanic	2,358,989	2,532	225,197	75,069	150,128	508,056	683,376	616,224	274,431	47,215	1,958
Black, total	594,781	5,193	130,596	56,026	74,570	179,361	133,204	94,295	43,716	8,124	292
Black, non-Hispanic	578,099	5,084	127,616	54,802	72,814	174,958	129,002	91,050	42,279	7,835	275
Hispanic ²	701,339	3,056	118,878	48,344	70,534	214,173	185,478	119,690	49,812	9,819	433
Live births in single deliveries											
All races ¹	3,784,805	11,006	484,339	183,342	300,997	925,704	1,042,220	866,404	383,310	69,127	2,695
White, total	3,007,997	5,463	340,201	122,001	218,200	712,980	855,027	720,655	315,836	55,712	2,123
White, non-Hispanic	2,288,581	2,498	222,149	74,189	147,960	497,986	663,952	592,987	262,206	45,149	1,654
Black, total	577,057	5,122	128,049	55,087	72,962	174,193	128,606	90,800	42,106	7,900	281
Black, non-Hispanic	560,801	5,014	125,124	53,886	71,238	169,877	124,519	87,676	40,708	7,619	264
Hispanic ²	687,916	3,026	117,436	47,839	69,597	210,682	181,786	116,603	48,354	9,603	426
Live births in twin deliveries											
All races ¹	100,750	139	7,161	2,359	4,802	19,134	27,612	28,963	14,958	2,467	316
White, total	79,677	63	4,448	1,363	3,085	13,400	22,120	24,390	12,813	2,152	291
White, non-Hispanic	65,523	34	3,029	880	2,149	9,824	18,260	21,031	11,185	1,890	270
Black, total	17,285	68	2,510	931	1,579	5,088	4,470	3,388	1,538	212	11
Black, non-Hispanic	16,873	67	2,458	908	1,550	5,002	4,355	3,268	1,508	204	11
Hispanic ²	13,014	30	1,422	493	929	3,451	3,572	2,950	1,377	205	7
Live births in higher-order multiple deliveries ³											
All races ¹	5,939	3	77	20	57	372	1,455	2,546	1,242	210	34
White, total	5,383	-	36	12	24	289	1,302	2,391	1,133	198	34
White, non-Hispanic	4,885	-	19	-	19	246	1,164	2,206	1,040	176	34
Black, total	439	3	37	8	29	80	128	107	72	12	-
Black, non-Hispanic	425	3	34	8	26	79	128	106	63	12	-
Hispanic ²	409	-	20	12	8	40	120	137	81	11	-
Ratio per 1,000 live births											
All multiple births											
All races ¹	27.4	12.7	14.7	12.8	15.9	20.6	27.1	35.1	40.5	37.3	114.9
White, total	27.5	11.4	13.0	11.1	14.0	18.8	26.7	35.8	42.3	40.5	132.8
White, non-Hispanic	29.8	13.4	13.5	11.7	14.4	19.8	28.4	37.7	44.5	43.8	155.3
Black, total	29.8	13.7	19.5	16.8	21.6	28.8	34.5	37.1	36.8	27.6	*
Black, non-Hispanic	29.9	13.8	19.5	16.7	21.6	29.0	34.8	37.1	37.2	27.6	*
Hispanic ²	19.1	9.8	12.1	10.4	13.3	16.3	19.9	25.8	29.3	22.0	*
Twin births											
All races ¹	25.9	12.5	14.6	12.7	15.7	20.2	25.8	32.3	37.4	34.4	103.8
White, total	25.8	11.4	12.9	11.0	13.9	18.4	25.2	32.6	38.9	37.1	118.9
White, non-Hispanic	27.8	13.4	13.5	11.7	14.3	19.3	26.7	34.1	40.8	40.0	137.9
Black, total	29.1	13.1	19.2	16.6	21.2	28.4	33.6	35.9	35.2	26.1	*
Black, non-Hispanic	29.2	13.2	19.3	16.6	21.3	28.6	33.8	35.9	35.7	26.0	*
Hispanic ²	18.6	9.8	12.0	10.2	13.2	16.1	19.3	24.6	27.6	20.9	*
Ratio per 100,000 live births											
Higher-order multiple births ³											
All races ¹	152.6	*	15.7	10.8	18.6	39.4	135.8	283.5	310.9	292.5	1116.6
White, total	174.0	*	10.4	*	10.8	39.8	148.2	319.9	343.6	341.0	1388.9
White, non-Hispanic	207.1	*	*	*	*	48.4	170.3	358.0	379.0	372.8	1736.5
Black, total	73.8	*	28.3	*	38.9	44.6	96.1	113.5	164.7	*	*
Black, non-Hispanic	73.5	*	26.6	*	35.7	45.2	99.2	116.4	149.0	*	*
Hispanic ²	58.3	*	16.8	*	*	18.7	64.7	114.5	162.6	*	*

* Quantity zero.

* Figure does not meet standards of reliability or precision.

¹ Includes races other than white and black and origin not stated² Persons of Hispanic origin may be of any race.³ Births in greater than twin deliveries.

Technical notes

Source of data

Data shown in this report for 1996 are based on 100 percent of the birth certificates in all States and the District of Columbia. The data are provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). In 1984 and earlier years, the VSCP included varying numbers of States that provided data based on 100 percent of their birth certificates. Data for States not in the VSCP were based on a 50-percent sample of birth certificates filed in those States. Information on sampling procedures and sampling errors for 1984 and earlier years is provided in the annual report, *Vital Statistics of the United States*, Volume I, Natality (3). Information on the percent of records with missing information for maternal and infant characteristics included in this report is shown by State in table I. Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the Technical notes for more information.

Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by six States (Hawaii, Kentucky, Nevada, North Dakota, Virginia, and Wyoming). Since 1964, mother's age has been edited for ages 10–49 years. Births reported to occur to mothers younger than age 10 or older than age 49 years have had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths). As noted in the text section, "Births and birth rates," a small number of babies have been born to women aged 50 years and over, a consequence of the increased use of fertility-enhancing therapies. For this report, a limited analysis was done of the birth records for which the mother's age was reported as 50 years or over. It was not possible to verify independently the reported age for these records. Based on this analysis, about 100 women aged 50

years and over gave birth in 1996. The vast majority of these births were to women aged 50–54 years. Beginning with 1997 data, editing procedures will be revised to take into account recent changes in childbearing patterns by age. In 1996 age of mother was not reported on 0.02 percent of the records; for these records age of mother was imputed according to the last record with the same race of mother and total birth order.

Race and Hispanic origin

Race and Hispanic origin are reported separately on the birth certificate. Beginning with the 1989 data year, NCHS is tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate.

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. In order to facilitate continuity and analysis of the data, trend tables showing data for years prior to 1980 show data for both race of mother and race of child for 1980. This makes it possible to distinguish the effects of this change from real changes in the data. The text discussions of data by race are based on tabulations by race of mother. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

The factors influencing the decision to tabulate births by race of the mother have been discussed in detail elsewhere (85). They include the recent revision of the birth certificate, effective with the 1989 data year, which includes many more health questions that are directly associated with the mother. In all these instances, it is more appropriate to tabulate births by the mother's race. Another factor influencing the decision to tabulate births by race of mother is the large proportion of births with race of father not stated, 15 percent in 1996. Although this proportion has stabilized and declined slightly in the 1990's, it is still much higher than in 1976, 10 percent. The high proportion of records with the father's race not reported reflects the increase in the proportion of births to unmarried

women; in many such cases, no information is reported on the father. These births are already assigned the race of the mother because there is no alternative. Tabulating all births by race of mother, therefore, provides for a more uniform approach, rather than a necessarily arbitrary combination of parental races.

In 1996 race of mother was not reported for 0.7 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed electronically according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.3 percent of births in 1996.

Hispanic origin and race are reported independently on the birth certificate, as noted previously. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race. In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women are reported as white. In these tabulations, data for non-Hispanic persons are classified according to the race of the mother, because there are substantial differences in fertility and maternal and infant health between Hispanic and non-Hispanic white women.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all States and the District of Columbia, the Virgin Islands, and Guam since 1993. Puerto Rico does not collect this information. In 1989 Louisiana, New Hampshire, and Oklahoma did not report this information; in 1990 New Hampshire and Oklahoma did not report, and in 1991–92 New Hampshire did not report Hispanic origin. The percent of records for which Hispanic origin of the parents was not reported in 1996 is shown by State in table I.

Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994

Table 1. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996

[By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic origin		Educational attainment	Live-birth order	Length of Gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Total of reporting areas ¹	3,891,494	0.0	0.1	0.3	14.8	14.9	1.5	15.6	1.4	0.6	1.0	2.6	3.5
Alabama	60,488	—	—	0.1	25.5	25.6	0.0	25.5	0.4	0.0	0.1	0.7	1.0
Alaska	10,037	—	0.0	0.2	12.1	13.8	0.2	12.8	1.3	0.2	0.3	1.3	1.1
Arizona	75,322	0.0	0.1	0.3	25.5	29.0	0.2	29.1	1.7	0.1	0.1	1.1	2.7
Arkansas	36,371	0.0	0.1	0.5	20.0	20.3	0.1	20.2	1.0	0.3	0.4	2.0	2.5
California	539,433	0.0	0.4	0.0	5.8	3.8	0.4	3.4	1.2	0.1	² 4.8	1.2	2.7
Colorado	55,807	0.0	—	0.2	11.1	11.8	0.6	12.3	1.1	0.4	0.0	1.0	1.3
Connecticut	44,469	0.0	0.0	0.3	9.5	11.1	4.8	13.6	5.5	11.6	4.0	7.9	10.9
Delaware	10,155	—	0.0	0.3	24.9	29.9	0.2	29.7	0.3	0.1	0.1	1.0	1.1
District of Columbia	8,390	—	—	1.4	51.6	57.7	1.0	51.3	7.5	1.3	0.6	16.2	15.7
Florida	189,392	0.0	—	0.1	18.5	18.6	0.1	20.4	0.4	0.1	0.1	1.1	1.8
Georgia	114,043	0.0	0.0	0.3	18.9	19.2	0.9	19.5	1.1	0.3	0.1	1.8	1.4
Hawaii	18,401	0.0	0.0	0.1	10.4	10.5	0.1	9.4	0.3	0.1	5.8	2.9	3.2
Idaho	18,625	—	0.0	0.2	8.2	10.8	1.4	11.3	5.6	1.6	1.4	3.8	11.4
Illinois	183,180	0.0	0.0	0.1	16.6	17.4	0.1	17.5	0.7	0.1	0.2	1.8	2.1
Indiana	83,513	0.0	0.1	0.2	12.9	12.9	0.3	12.9	1.3	0.7	0.1	2.3	3.8
Iowa	37,139	0.0	0.0	0.3	13.4	14.8	1.3	15.6	1.9	0.1	0.1	1.6	5.2
Kansas	36,651	—	0.0	0.0	11.2	11.6	0.9	12.5	0.3	0.0	0.1	0.4	1.1
Kentucky	52,706	0.0	0.0	0.0	21.5	22.3	0.1	29.4	0.3	0.4	0.1	1.0	1.0
Louisiana	65,204	0.1	0.1	0.0	24.8	25.0	0.1	24.9	0.1	0.1	0.2	0.3	0.5
Maine	13,774	—	0.0	—	11.6	15.0	3.0	17.6	0.4	0.1	0.1	0.3	0.8
Maryland	71,533	0.0	0.0	0.9	8.7	10.2	1.4	7.0	3.8	5.3	1.3	10.8	16.9
Massachusetts	80,276	0.0	0.1	0.4	8.8	8.2	1.2	7.3	1.1	1.3	1.0	1.7	2.1
Michigan	133,387	0.0	0.1	0.1	17.8	19.8	4.8	23.5	1.1	1.0	0.1	3.6	5.0
Minnesota	63,700	0.1	0.1	0.0	9.2	11.9	6.3	16.7	2.2	0.3	1.3	4.5	3.8
Mississippi	40,987	0.0	0.0	0.1	26.1	25.8	0.1	25.9	0.2	0.1	0.2	0.6	0.6
Missouri	73,832	0.0	—	0.2	18.7	20.8	0.1	20.8	0.9	0.3	0.2	1.9	2.8
Montana	10,856	—	0.7	0.0	9.5	11.1	3.1	13.9	0.2	0.1	0.1	0.5	0.4
Nebraska	23,286	—	—	0.0	12.4	12.9	1.9	14.2	0.1	0.0	0.0	0.3	0.5
Nevada	26,125	—	0.1	0.6	23.0	23.8	0.5	22.6	2.1	0.7	0.2	2.7	5.4
New Hampshire	14,520	—	0.0	0.0	7.7	8.7	2.5	10.3	0.5	0.1	0.3	2.7	1.7
New Jersey	114,306	0.1	0.1	0.4	9.7	11.6	1.0	10.7	2.2	0.1	0.2	3.9	5.0
New Mexico	27,228	—	—	1.3	26.1	25.6	0.0	25.6	2.9	0.6	0.2	3.7	4.1
New York	263,963	0.1	0.2	0.6	18.6	19.0	10.4	27.0	2.1	0.4	0.3	7.6	5.5
North Carolina	104,470	0.0	0.0	0.0	18.0	18.0	0.0	18.0	0.2	0.1	0.1	0.5	0.6
North Dakota	8,347	—	—	—	9.2	10.4	1.7	12.0	0.2	0.0	0.0	0.3	0.3
Ohio	151,692	0.0	0.0	0.3	12.9	13.7	0.2	11.0	0.4	0.0	0.0	1.0	1.6
Oklahoma	46,193	—	0.0	0.0	17.5	19.3	0.1	19.1	4.0	0.6	4.7	10.1	11.0
Oregon	43,658	—	0.8	0.1	11.4	4.3	0.1	4.9	0.8	0.0	0.0	0.3	0.4
Pennsylvania	148,338	0.0	0.0	0.7	6.1	3.1	0.3	2.6	2.0	0.2	0.2	2.2	2.6
Rhode Island	12,652	—	—	0.2	14.6	15.1	12.2	23.5	3.0	2.2	0.7	8.5	9.1
South Carolina	51,117	0.0	0.0	0.2	29.0	28.9	0.1	28.9	4.1	0.1	0.2	1.2	1.2
South Dakota	10,473	—	—	2.0	12.4	12.6	0.1	12.9	0.5	0.0	0.1	0.7	0.9
Tennessee	73,754	0.0	0.0	0.1	16.3	16.5	0.1	16.4	0.2	0.1	0.2	1.4	1.7
Texas	330,406	0.0	0.0	0.4	16.0	15.9	0.2	15.8	1.1	1.3	0.6	2.5	5.1
Utah	42,087	0.0	0.0	0.1	9.2	9.9	0.3	8.1	0.7	0.2	0.1	0.7	0.8

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996—Con.
[By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic origin		Educational attainment Mother	Live-birth order	Length of Gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Vermont	6,767	0.0	0.0	0.1	4.4	5.6	4.4	8.5	2.7	0.1	0.1	2.8	0.7
Virginia	92,354	0.0	0.0	0.1	18.7	19.3	0.1	18.8	0.5	0.2	0.2	0.8	3.0
Washington	77,945	0.0	0.0	0.6	12.8	12.0	3.1	12.8	9.0	1.8	1.5	7.6	12.2
West Virginia	20,750	0.0	0.0	0.1	13.4	16.8	0.1	16.7	0.4	0.2	0.3	3.3	2.7
Wisconsin	67,106	0.0	0.0	0.0	27.1	27.1	0.0	27.1	0.1	0.0	0.1	0.2	0.3
Wyoming	6,286	—	—	0.0	13.5	13.7	0.1	13.6	0.4	0.1	0.0	0.5	0.6
Puerto Rico	63,141	—	0.0	—	2.5	3.1	---	---	0.2	0.0	0.1	0.2	0.1
Virgin Islands	1,905	—	—	—	28.7	30.1	4.1	33.2	1.9	0.6	0.6	3.4	4.8
Guam	4,254	0.1	0.1	0.6	27.4	56.3	0.6	27.8	2.8	1.0	3.9	5.3	5.3

See footnotes at end of table.

Table 1. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996—Con.

[By place of residence]

Area	Number of births	Birth weight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
Total of reporting areas ¹	3,891,494	0.1	0.7	1.3	1.6	1.5	8.6	0.8	1.1	0.9	1.8	1.5
Alabama	60,488	0.1	0.2	³ 0.3	0.4	0.4	5.8	0.2	0.3	0.1	1.0	0.6
Alaska	10,037	0.1	0.4	0.1	0.4	0.4	2.0	0.1	0.1	0.2	0.1	0.1
Arizona	75,322	0.2	0.5	0.0	0.5	0.5	13.6	0.0	0.0	0.3	0.0	0.4
Arkansas	36,371	0.2	3.7	0.5	0.5	0.5	6.4	0.3	0.5	0.4	0.4	0.5
California	539,433	0.0	---	0.0	---	---	---	0.0	0.0	0.0	0.0	0.0
Colorado	55,807	0.0	0.3	0.0	0.4	0.3	4.8	0.0	0.0	0.0	0.0	0.1
Connecticut	44,469	0.0	4.3	15.2	13.0	12.7	28.4	14.0	15.5	8.0	21.3	22.4
Delaware	10,155	0.1	0.2	0.0	0.2	0.2	1.3	⁷ 0.0	0.0	0.1	0.1	0.1
District of Columbia	8,390	0.0	1.2	—	0.2	0.2	14.2	—	—	0.0	—	—
Florida	189,392	0.0	0.2	0.0	0.1	0.1	4.5	0.0	0.0	0.5	0.0	0.0
Georgia	114,043	0.0	0.5	0.4	0.3	0.3	5.0	0.0	0.0	0.3	0.0	0.0
Hawaii	18,401	0.9	7.5	0.4	0.3	0.3	14.1	0.1	0.3	0.6	0.6	0.6
Idaho	18,625	0.1	0.5	4.4	1.9	2.0	9.7	3.9	4.1	0.4	3.9	3.8
Illinois	183,180	0.1	0.3	0.1	1.0	0.2	4.6	0.1	0.1	0.4	0.1	0.1
Indiana	83,513	0.6	0.5	0.2	---	0.5	4.6	0.1	0.3	0.4	0.7	0.7
Iowa	37,139	0.0	0.5	0.1	2.1	2.5	6.8	0.0	0.0	0.3	0.1	0.1
Kansas	36,651	0.0	0.3	⁴ 4	0.6	0.5	0.7	0.3	0.4	2.4	0.4	0.4
Kentucky	52,706	0.1	0.4	6.1	4.7	4.5	8.9	3.8	6.8	4.6	10.3	9.7
Louisiana	65,204	0.1	0.4	0.1	0.2	0.2	6.5	0.1	0.2	0.2	0.2	0.1
Maine	13,774	0.1	0.2	0.1	3.4	4.4	0.1	0.0	0.0	0.2	0.1	0.1
Maryland	71,533	0.0	0.5	0.0	2.6	2.9	12.3	0.0	0.0	0.2	0.0	0.0
Massachusetts	80,276	1.2	1.3	4.2	1.3	1.3	2.9	4.0	4.1	3.5	⁸ 7.0	4.7
Michigan	133,387	0.3	0.5	0.2	2.2	1.9	10.1	0.2	0.2	0.6	0.2	0.2
Minnesota	63,700	0.0	0.7	5.8	4.5	4.7	15.1	3.9	5.0	3.6	6.4	6.6
Mississippi	40,987	0.0	0.6	0.1	0.3	0.3	4.0	0.1	0.1	0.1	0.1	0.1
Missouri	73,832	0.0	0.4	0.1	0.6	0.6	3.6	0.0	0.0	0.4	0.1	0.1
Montana	10,856	0.1	0.4	0.1	0.8	1.0	1.1	0.1	0.1	0.5	0.1	0.1
Nebraska	23,286	0.0	0.2	0.0	1.0	0.9	1.6	0.0	0.0	0.1	⁹ 0	0.0
Nevada	26,125	0.0	1.5	1.7	1.6	1.7	8.9	0.3	1.3	0.9	1.9	2.3
New Hampshire	14,520	0.4	0.6	0.4	0.2	0.2	5.6	0.4	0.4	0.4	0.5	0.4
New Jersey	114,306	0.2	0.3	1.5	1.3	1.2	6.1	0.2	⁹ 1.0	0.4	14.9	2.7
New Mexico	27,228	0.1	3.4	0.0	1.3	1.4	10.1	0.0	0.0	0.4	0.0	---
New York	263,963	0.1	0.4	2.2	⁵ 2.2	0.9	11.3	1.2	1.4	0.5	¹⁰ 2.2	2.4
North Carolina	104,470	0.0	0.4	0.0	0.1	0.1	4.5	0.0	0.0	0.3	0.0	0.0
North Dakota	8,347	0.0	0.2	0.4	0.4	0.5	1.4	0.1	0.4	0.3	0.5	0.4
Ohio	151,692	0.1	0.4	0.1	0.4	0.3	3.4	0.1	0.1	0.5	0.2	0.2
Oklahoma	46,193	0.8	5.5	28.8	20.5	20.9	31.1	25.0	28.5	21.6	33.8	34.5
Oregon	43,658	0.0	0.4	0.6	0.6	0.7	2.5	0.0	0.0	0.2	0.0	0.0
Pennsylvania	148,338	0.1	0.3	0.1	0.6	0.3	5.8	0.0	0.0	0.2	0.4	0.4
Rhode Island	12,652	0.3	0.4	4.8	2.3	2.5	9.0	4.8	4.9	0.2	12.7	12.6
South Carolina	51,117	0.0	0.3	0.0	0.3	0.3	2.0	0.0	0.0	0.5	0.0	0.0
South Dakota	10,473	0.0	0.4	0.1	---	---	2.3	0.1	0.1	0.1	0.1	0.1
Tennessee	73,754	0.0	0.4	0.0	0.4	0.5	3.1	0.0	0.0	0.5	0.0	0.0
Texas	330,406	0.1	---	⁶ 1.8	0.3	0.3	20.1	0.1	¹¹ 0.1	0.6	⁸ 0.1	0.1
Utah	42,087	0.0	0.3	0.2	0.4	0.4	1.8	0.0	0.1	0.0	0.2	0.4

See footnotes at end of table.

Table 1. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, and Guam: 1996—Con.

[By place of residence]

Area	Number of births	Birth weight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
Vermont	6,767	0.2	0.3	0.1	0.6	0.4	1.7	0.1	0.1	0.1	0.2	0.2
Virginia	92,354	0.2	0.3	0.1	0.1	0.2	5.9	0.1	0.1	0.3	0.1	0.1
Washington	77,945	0.2	0.4	0.6	4.0	13.0	19.4	0.3	0.6	0.4	0.8	0.7
West Virginia	20,760	0.1	0.3	0.5	0.8	2.7	6.8	0.2	0.6	0.3	1.0	0.5
Wisconsin	67,106	0.0	0.4	3.5	0.1	0.1	1.6	0.0	3.8	0.0	¹² 0.1	0.1
Wyoming	6,286	0.0	0.4	0.0	1.3	1.3	1.4	0.0	0.0	0.2	0.0	0.0
Puerto Rico	63,141	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Virgin Islands	1,905	0.1	3.9	14.6	2.1	2.3	16.1	8.6	16.4	3.3	17.6	15.7
Guam	4,254	0.3	2.8	5.9	3.4	3.9	43.0	3.6	13.9	3.7	5.0	5.4

0.0 Quantity more than zero but less than 0.05.

— Quantity zero.

--- Data not available.

¹Excludes data for Puerto Rico, Virgin Islands, and Guam.²California reports date last normal menses began but does not report clinical estimate of gestation.³Alabama does not report renal disease.⁴Kansas does not report Rh sensitization.⁵New York city (but not New York State) reports tobacco use.⁶Texas does not report genital herpes and uterine bleeding.⁷Delaware does not report ultrasound.⁸Massachusetts, Nebraska, and Texas do not report birth injury.⁹New Jersey does not report other excessive bleeding.¹⁰New York City does not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more.¹¹Texas does not report anesthetic complications and fetal distress.¹²Wisconsin does not report fetal alcohol syndrome.

through 1996, birth certificates in 45 states and the District of Columbia included a question about the mother's marital status. (Beginning in 1997, all but four States (Connecticut, Michigan, Nevada, and New York) include a direct question on their birth certificates.) In 1996 the mother's marital status was inferred in five states (California, Connecticut, Michigan, Nevada, and New York) by comparing the parents' and child's surnames and other information concerning the father. This procedure represents a substantial departure from the method used before 1980 to prepare national estimates of births to unmarried women, which assumed that the incidence of births to unmarried women in States with no direct question on marital status was the same as the incidence in reporting States in the same geographic division (27).

In the five States that used inferential procedures to compile birth statistics by marital status in 1996, there are several basic criteria. A birth is inferred as nonmarital if any of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received, the father's name is missing, or the father's and mother's current surnames are different. In addition, criteria that are particularly applicable for a given State are also applied as necessary. For example, special procedures were used in California to compare the parents' surnames when hyphenated if the parents were born in countries where naming practices can identify the parents' marital status. This procedure was in effect for many years for Asian mothers and for 1995–96 for Hispanic mothers (51).

Although Nevada's birth certificate does not include a direct question on the mother's marital status, Nevada has implemented procedures to identify the mother's marital status more accurately from the electronic birth registration process. All of Nevada's birth records are now received electronically. In New York (excluding New York City) mother's marital status is inferred as "Unmarried" if the father's name is missing, or if the father's name is given and a paternity acknowledgment is filed.

The current method represents an attempt to use related information on the birth certificate to improve the quality of

national data as well as to provide data for the individual nonreporting States. An evaluation of this method and its validity for California (the largest nonreporting State) has been published (86). Because of the continued substantial increases in nonmarital childbearing throughout the 1980's, the data have been intensively evaluated by the Division of Vital Statistics, NCHS. There has been continuing concern that the current method might overstate the number of births to unmarried women because it incorporates data based on a comparison of surnames. This is because women who have retained their maiden surname after marriage and who are frequently older, well-educated women, would be classified as unmarried. The results of this evaluation for changes during 1995–96 differ slightly for the States reporting marital status and the States inferring this information. Nonmarital births in States reporting mother's marital status directly on the birth certificate increased about 1 percent, while nonmarital births in the 5 nonreporting States declined 2 percent. Trends in birth rates for unmarried women for rates computed on the basis of estimated data and on the basis of inferred data are fairly similar.

One consequence of using nonmarital birth data based on the inferential procedures is the need to monitor continuously the validity of the procedures used by the States to infer mother's marital status. In particular, in recent years, a number of States have extended their efforts to identify the fathers when the parents are not married in order to enforce child-support obligations. The presence of a paternity acknowledgment therefore is the most reliable indicator that the birth is nonmarital in the States not reporting this information directly. Changes in reporting procedures in Michigan and Texas, related to paternity acknowledgment, were reported for 1994; the impact of those changes on trends in nonmarital births has been described elsewhere (87).

The mother's marital status was not reported in 1996 on 0.3 percent of the birth records in the 45 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

Gestation

The 1989 revision of the U.S. Standard Certificate of Live Birth includes a new item, "clinical estimate of gestation," that is being compared with length of gestation computed from the date the last normal menstrual period (LMP) began when the latter appears to be inconsistent with birthweight. This is done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The clinical estimate was also used if the LMP date was not reported. The period of gestation for 4.6 percent of the births in 1996 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for fewer than 400 births or less than 0.01 percent of all birth records in 1996. The levels of the adjustments in 1996 data were similar to those for 1995 and earlier years (51).

Birthweight

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. Equivalents of the gram weights in terms of pounds and ounces are as follows:

Less than 500 grams = 1 lb 1 oz or less
 500–999 grams = 1 lb 2 oz–2 lb 3 oz
 1,000–1,499 grams = 2 lb 4 oz–3 lb 4 oz
 1,500–1,999 grams = 3 lb 5 oz–4 lb 6 oz
 2,000–2,499 grams = 4 lb 7 oz–5 lb 8 oz
 2,500–2,999 grams = 5 lb 9 oz–6 lb 9 oz
 3,000–3,499 grams = 6 lb 10 oz–7 lb 11 oz
 3,500–3,999 grams = 7 lb 12 oz–8 lb 13 oz
 4,000–4,499 grams = 8 lb 14 oz–9 lb 14 oz
 4,500–4,999 grams = 9 lb 15 oz–11 lb 0 oz
 5,000 grams or more = 11 lb 1 oz or more

Method of delivery

Several rates are computed for method of delivery. The overall cesarean section rate or *total cesarean* rate is computed as the percent of all births that were delivered by cesarean section. The *primary cesarean* rate is a measure which relates the number of women having a first cesarean delivery to all women giving birth who have never had a cesarean delivery. The denominator for this rate includes all births less those with method of delivery classified as repeat cesarean, vaginal birth after previous cesarean, or method not stated. The rate for *vaginal birth after previous cesarean* (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean section.

Computations of percents, percent distributions, and medians

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percents, percent distributions, and medians were computed. The percent of records with missing information for each item is shown by State in table I. The median number of prenatal visits also excludes births to mothers who had no prenatal care. Computations of the median years of school completed and the median number of prenatal visits were based on ungrouped data. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

Population denominators

Birth and fertility rates for 1996 shown in tables 1, 3–6, 8–9, and 13–14 are based on populations estimated as of July 1, 1996. These populations are shown in tables II and III. The population estimates have been published by the U.S. Bureau of the Census (4) and are based on the 1990 census counts by race and age, which were modified to be consistent with Office of Management and Budget racial categories and historical categories for birth data, and in the case of age, to reflect age as of the census reference

date. The modification procedures are described in detail in a census report (88).

Birth and fertility rates by State shown in table 10 are based on State-level population estimates provided by the U.S. Bureau of the Census which are consistent with the U.S. populations (89). Rates by State shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates by month shown in table 15 are based on monthly population estimates also based on the 1996 estimates. Rates for unmarried women shown in table B and tables 17 and 18 are based on distributions of the population by marital status as of March 1996 provided by the U.S. Bureau of the Census (90) which have been adjusted to July 1996 population levels (4) by the Division of Vital Statistics, NCHS (27).

Birth and fertility rates for the Hispanic population, shown in tables 6, 8, 9, and 14, are based on estimates of the total Hispanic population as of July 1, 1996 (4). Rates for Hispanic subgroups are based on special population estimates which are presented in table III in the Technical notes (91).

Computation of rates

In computing birth rates by live-birth order, births with birth order not stated were distributed in the same proportion as births of known live-birth order. This procedure is done separately by race.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the U.S. Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (1.5 percent) were actually to Hispanic mothers (see table I). The population with origin not stated was imputed. The effect on the rates is believed to be small.

Age of father—Information on age of father is often missing on birth certificates of children born to unmarried women, greatly inflating the number of

“not stated” in all tabulations by age of father (table I). In computing birth rates by age of father, births tabulated as age of father not stated are distributed in the same proportions as births with known age within each 5-year age classification of mother. This procedure is followed because, while father’s age is missing on 15 percent of the birth certificates, one third of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

Graphic presentation

Trend data shown in figures 2–4, 6, 8, and 9 are plotted using a logarithmic scale. This approach is taken to facilitate comparison of the relative change in rates over time for each series of rates as well as the differentials among rates for different series. The trend lines in figure 2, for example, show that women 40–44 years of age experienced the most change of any group over the period, and also that they had the greatest increase in rates since 1985.

Random variation and relative standard error

Although the birth data in this report for births since 1985 are not subject to sampling error, they may be affected by random variation in the number of births involved. When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the data. Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

If N is the number of births and R is the corresponding rate, the chances are 19 in 20 that

1. The “true” number of events lies between

$$N - 2\sqrt{N} \quad \text{and} \quad N + 2\sqrt{N}$$

Table II. Estimated total population by race and estimated female population by age and race: United States, 1996

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population	265,283,783	219,748,786	33,503,435	2,288,119	9,743,443
Female population					
15-44 years	59,605,680	48,120,469	8,417,957	551,329	2,515,925
10-14 years	9,254,087	7,333,823	1,429,905	116,875	373,484
15-19 years	9,043,011	7,160,695	1,429,238	104,571	348,507
15-17 years	5,487,920	4,338,419	866,386	66,612	216,503
18-19 years	3,555,091	2,822,276	562,852	37,959	132,004
20-24 years	8,561,003	6,776,483	1,311,468	90,650	382,402
25-29 years	9,468,735	7,565,285	1,356,975	89,812	456,663
30-34 years	10,708,232	8,665,054	1,490,099	92,056	461,023
35-39 years	11,318,443	9,274,835	1,503,357	91,513	448,738
40-44 years	10,506,256	8,678,117	1,326,820	82,727	418,592
45-49 years	9,375,827	7,867,198	1,084,574	67,222	356,833

SOURCE: Deardorf KE, Hollmann FW. U.S. population estimates, by age, sex, race, and Hispanic origin: 1990 to 1996. U.S. Bureau of the Census. PPL-57. Washington: U.S. Department of Commerce. 1997.

Table III. Estimated total population by specified Hispanic origin and estimated female population, by age and specified Hispanic origin and by race for women of non-Hispanic origin: United States, 1996

[Populations estimated as of July 1]

Age	Hispanic					Non-Hispanic		
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic ¹	Total ²	White	Black
Total population	28,268,886	17,874,569	3,067,943	1,174,341	6,152,033	237,014,884	193,977,657	31,912,232
Female population								
15-44 years	6,686,603	4,104,663	769,594	214,210	1,598,136	52,919,075	42,043,406	8,031,963
10-14 years	1,194,035	814,491	162,660	23,597	193,287	8,060,050	6,253,560	1,361,190
15-19 years	1,167,775	716,759	150,219	27,688	273,109	7,875,232	6,098,670	1,363,307
15-17 years	700,824	422,667	100,487	16,386	161,284	4,787,091	3,702,432	826,813
18-19 years	466,951	294,092	49,732	11,302	111,825	3,088,141	2,396,238	536,494
20-24 years	1,130,349	765,125	111,481	30,012	223,731	7,430,645	5,743,986	1,249,649
25-29 years	1,152,322	732,714	119,537	31,724	268,347	8,316,420	6,518,857	1,290,748
30-34 years	1,220,578	736,932	143,891	45,258	294,497	9,487,650	7,556,628	1,417,990
35-39 years	1,103,646	642,658	134,155	45,007	281,826	10,214,804	8,273,748	1,437,673
40-44 years	911,933	510,475	110,311	34,521	256,626	9,594,324	7,851,517	1,272,596
45-49 years	714,593	402,214	85,375	44,925	182,079	8,661,227	7,217,808	1,042,865

¹Includes Central and South American and other and unknown Hispanic.²Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census. Totals for Hispanic population and non-Hispanic population by race are consistent with figures published in Deardorf KE, Hollmann FW. U.S. population estimates, by age, sex, race, and Hispanic origin: 1990 to 1996. U.S. Bureau of the Census. PPL-57. Washington: U.S. Department of Commerce. 1997.

2. The "true" rate lies between

$$R - 2\frac{R}{\sqrt{N}} \quad \text{and} \quad R + 2\frac{R}{\sqrt{N}}$$

If the rate R_1 corresponding to N_1 events is compared to the rate R_2 corresponding to N_2 events, the difference between the two rates may be regarded as statistically significant if it exceeds

$$2\sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

For example, the proportion of mothers receiving first trimester care for area A for 1996 was 63.9 percent and this

proportion or rate was based on 53 recorded births. Given prevailing conditions, the chances are 19 in 20 that the "true" or underlying proportion of women receiving early prenatal care in area A lies between 46.3 and 81.5 percent. The 1995 proportion receiving early care in area A was 78.7 based on 70 recorded births. The difference between the rates is 14.8 which is less than twice the standard error of the difference

$$2\sqrt{\frac{(63.9)^2}{53} + \frac{(78.7)^2}{70}}$$

of the two rates that is computed to be 25.7. From this, it is concluded that

the difference between the proportions receiving early prenatal care in 1995 and 1996 is not statistically significant. More information on this topic is included in the Technical Appendix of the annual report, *Vital Statistics of the United States*, 1992, Volume I, Natality (3). In addition, the relative standard errors for birth rates for Hispanic subgroups, particularly Puerto Rican, Cuban, and "other" Hispanic women, may be somewhat higher than if based only on the number of births. This reflects the considerable sampling variability in the population estimates for these groups (91).

Definitions of medical terms

The 1989 revision of the U.S. Standard Certificate of Live Birth includes several maternal and infant health items in checkbox format, including obstetric procedures, medical risk factors, complications of labor and delivery, abnormal conditions of the newborn, and congenital anomalies of the child (figure I). The definitions which follow are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association of Public Health Statistics and Information Systems, formerly known as the Association for Vital Records and Health Statistics (92).

Medical risk factors for this pregnancy

Anemia—Hemoglobin level of less than 10.0 g/dL during pregnancy or a hematocrit of less than 30 percent during pregnancy.

Cardiac disease—Disease of the heart.

Acute or chronic lung disease—Disease of the lungs during pregnancy.

Diabetes—Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.

Genital herpes—Infection of the skin of the genital area by herpes simplex virus.

Hydramnios/oligohydramnios—Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.

Hemoglobinopathy—A blood disorder caused by alteration in the genetically determined molecular structure of hemoglobin (example: sickle cell anemia).

Hypertension, chronic—Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

Hypertension, pregnancy-associated—An increase in blood pressure of at least 30 mm Hg systolic or 15 mm Hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.

Eclampsia—The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

Incompetent cervix—Characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes through the cervix and ballooning of the membranes into the vagina, followed by rupture of the membranes and subsequent expulsion of the fetus.

Previous infant 4,000+ grams—The birthweight of a previous live-born child was over 4,000+ grams (8 pounds 14 ounces).

Previous preterm or small-for-gestational-age infant—Previous birth of an infant prior to term (before 37 completed weeks of gestation) or of an infant weighing less than the tenth percentile for gestational age using a standard weight for age chart.

Renal disease—Kidney disease.

Rh sensitization—The process or state of becoming sensitized to the Rh factor as when an Rh-negative woman is pregnant with an Rh-positive fetus.

Uterine bleeding—Any clinically significant bleeding during the pregnancy taking into consideration the stage of pregnancy; any second or third trimester bleeding of the uterus prior to the onset of labor.

Obstetric procedures

Amniocentesis—Surgical transabdominal perforation of the uterus to obtain amniotic fluid to be used in the detection of genetic disorders, fetal abnormalities, and fetal lung maturity.

Electronic fetal monitoring—Monitoring with external devices applied to the maternal abdomen or with internal devices with an electrode attached to the fetal scalp and a catheter through the cervix into the uterus, to detect and record fetal heart tones and uterine contractions.

Induction of labor—The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.

Stimulation of labor—Augmentation of previously established labor by use of oxytocin.

Tocolysis—Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.

Ultrasound—Visualization of the fetus and the placenta by means of sound waves.

Complications of labor and/or delivery

Febrile—A fever greater than 100 degrees F. or 38 C. occurring during labor and/or delivery.

Meconium, moderate/heavy—Meconium consists of undigested debris from swallowed amniotic fluid, various products of secretion, excretion, and shedding by the gastrointestinal tract; moderate to heavy amounts of meconium in the amniotic fluid noted during labor and/or delivery.

Premature rupture of membranes (more than 12 hours)—Rupture of the membranes at any time during pregnancy and more than 12 hours before the onset of labor.

Abruptio placenta—Premature separation of a normally implanted placenta from the uterus.

Placenta previa—Implantation of the placenta over or near the internal opening of the cervix.

Other excessive bleeding—The loss of a significant amount of blood from conditions other than abruptio placenta or placenta previa.

Seizures during labor—Maternal seizures occurring during labor from any cause.

Precipitous labor (less than 3 hours)—Extremely rapid labor and delivery lasting less than 3 hours.

Prolonged labor (more than 20 hours)—Abnormally slow progress of labor lasting more than 20 hours.

Dysfunctional labor—Failure to progress in a normal pattern of labor.

Breech/malpresentation—At birth, the presentation of the fetal buttocks rather than the head, or other malpresentation.

Cephalopelvic disproportion—The relationship of the size, presentation, and position of the fetal head to the maternal pelvis which prevents dilation of the cervix and/or descent of the fetal head.

Cord prolapse—Premature expulsion of the umbilical cord in labor before the fetus is delivered.

38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply) - Anemia (Hct. <30/Hgb. <10) 01 ☐ - Cardiac disease 02 ☐ - Acute or chronic lung disease 03 ☐ - Diabetes 04 ☐ - Genital herpes 05 ☐ - Hydramnios/Oligohydramnios 06 ☐ - Hemoglobinopathy 07 ☐ - Hypertension, chronic 08 ☐ - Hypertension, pregnancy-associated 09 ☐ - Eclampsia 10 ☐ - Incompetent cervix 11 ☐ - Previous infant 4000+ grams 12 ☐ - Previous preterm or small-for-gestational-age infant 13 ☐ - Renal disease 14 ☐ - Rh sensitization 15 ☐ - Uterine bleeding 16 ☐ - None 00 ☐ - Other 17 ☐ (Specify)	40. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply) - Feverile (>100°F or 38°C.) 01 ☐ - Meconium, moderate/heavy 02 ☐ - Premature rupture of membrane (>12 hours) 03 ☐ - Abruptio placenta 04 ☐ - Placenta previa 05 ☐ - Other excessive bleeding 06 ☐ - Seizures during labor 07 ☐ - Precipitous labor (<3 hours) 08 ☐ - Prolonged labor (>20 hours) 09 ☐ - Dysfunctional labor 10 ☐ - Breech/Malpresentation 11 ☐ - Cephalopelvic disproportion 12 ☐ - Cord prolapse 13 ☐ - Anesthetic complications 14 ☐ - Fetal distress 15 ☐ - None 00 ☐ - Other 16 ☐ (Specify)	43. CONGENITAL ANOMALIES OF CHILD (Check all that apply) - Anencephalus 01 - Spina bifida/Meningocele 02 - Hydrocephalus 03 - Microcephalus 04 - Other central nervous system anomalies (Specify) 05 - Heart malformations 06 - Other circulatory/respiratory anomalies (Specify) 07 - Rectal atresia/stenosis 08 - Tracheo-esophageal fistula/ Esophageal atresia 09 - Omphalocele/ Gastroschisis 10 - Other gastrointestinal anomalies (Specify) 11 - Malformed genitalia 12 - Renal agenesis 13 - Other urogenital anomalies (Specify) 14 - Cleft lip/palate 15 - Polydactyly/Syndactyly/Adactyly 16 - Club foot 17 - Diaphragmatic hernia 18 - Other musculoskeletal/integumental anomalies (Specify) 19 - Down's syndrome 20 - Other chromosomal anomalies (Specify) 21 - None 00 - Other 22 (Specify)
38b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items) - Tobacco use during pregnancy Yes ☐ No ☐ - Average number cigarettes per day _____ - Alcohol use during pregnancy Yes ☐ No ☐ - Average number drinks per week _____ - Weight gained during pregnancy _____ lbs.	41. METHOD OF DELIVERY (Check all that apply) - Vaginal 01 ☐ - Vaginal birth after previous C-section 02 ☐ - Primary C-section 03 ☐ - Repeat C-section 04 ☐ - Forceps 05 ☐ - Vacuum 06 ☐	
39. OBSTETRIC PROCEDURES (Check all that apply) - Amniocentesis 01 ☐ - Electronic fetal monitoring 02 ☐ - Induction of labor 03 ☐ - Stimulation of labor 04 ☐ - Tocolysis 05 ☐ - Ultrasound 06 ☐ - None 00 ☐ - Other 07 ☐ (Specify)	42. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply) - Anemia (Hct. <39/Hgb. <13) 01 ☐ - Birth injury 02 ☐ - Fetal alcohol syndrome 03 ☐ - Hyaline membrane disease/RDS 04 ☐ - Meconium aspiration syndrome 05 ☐ - Assisted ventilation <30 min 06 ☐ - Assisted ventilation ≥30 min 07 ☐ - Seizures 08 ☐ - None 00 ☐ - Other 09 ☐ (Specify)	

Figure 1. Selected maternal and infant health items from the 1989 revision of the U.S. Standard Certificate of Live Birth

Anesthetic complications—Any complication during labor and/or delivery brought on by an anesthetic agent or agents.

Fetal distress—Signs indicating fetal hypoxia (deficiency in amount of oxygen reaching fetal tissues).

Abnormal conditions of the newborn

Anemia—Hemoglobin level of less than 13.0 g/dL or a hematocrit of less than 39 percent.

Birth injury—Impairment of the infant's body function or structure due to adverse influences which occurred at birth.

Fetal alcohol syndrome—A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

Hyaline membrane disease/RDS—A disorder primarily of prematurity, manifested clinically by respiratory distress

and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

Meconium aspiration syndrome—Aspiration of meconium by the fetus or newborn, affecting the lower respiratory system.

Assisted ventilation (less than 30 minutes)—A mechanical method of assisting respiration for newborns with respiratory failure.

Assisted ventilation (30 minutes or more)—Newborn placed on assisted ventilation for 30 minutes or longer.

Seizures—A seizure of any etiology.

Congenital anomalies of child

Anencephalus—Absence of the cerebral hemispheres.

Spina bifida/meningocele—Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.

Hydrocephalus—Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.

Microcephalus—A significantly small head.

Other central nervous system anomalies—Other specified anomalies of the brain, spinal cord, and nervous system.

Heart malformations—Congenital anomalies of the heart.

Other circulatory/respiratory anomalies—Other specified anomalies of the circulatory and respiratory systems.

Rectal atresia/stenosis—Congenital absence, closure, or narrowing of the rectum.

Tracheo-esophageal fistula/esophageal atresia—An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.

Omphalocele/gastroschisis—An omphalocele is a protrusion of variable

amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

Other gastrointestinal anomalies—Other specified congenital anomalies of the gastrointestinal system.

Malformed genitalia—Congenital anomalies of the reproductive organs.

Renal agenesis—One or both kidneys are completely absent.

Other urogenital anomalies—Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.

Cleft lip/palate—Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.

Polydactyly/syndactyly/adactyly—Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.

Club foot—Deformities of the foot, which is twisted out of shape or position.

Diaphragmatic hernia—Herniation of the abdominal contents through the diaphragm into the thoracic cavity usually resulting in respiratory distress.

Other musculoskeletal/integumental anomalies—Other specified congenital anomalies of the muscles, skeleton, or skin.

Down's syndrome—The most common chromosomal defect with most cases resulting from an extra chromosome (trisomy 21).

Other chromosomal anomalies—All other chromosomal aberrations.

Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics of reports published in the past 5 years include Hispanic origin births (2), triplet births (74), teenage birth rates by State (11), birth rates by educational attainment of the mother (28), cesarean deliveries (65,93), birth and fertility rates for States (20), births to unmarried mothers (27), characteristics of births in Asian or Pacific Islander population subgroups (19), trends in pregnancies and pregnancy rates (10), and prenatal care (94).

This report presents summary tabulations from the final natality statistics for 1996. The National Center for Health Statistics will respond to requests for unpublished data whenever possible.

Contents

Abstract	1	Births to unmarried women	9	Attendant at birth and place of delivery	17
Highlights	1	Age of father	11	Method of delivery	17
Introduction	3	Educational attainment	11	Infant health characteristics	18
Methods	3	Maternal lifestyle and health characteristics	12	Period of gestation	18
Demographic characteristics	4	Weight gain	12	Birthweight	19
Births and birth rates	4	Medical risk factors	12	Apgar score	20
Age of mother	4	Tobacco use during pregnancy	13	Abnormal conditions of the newborn	21
Live-birth order	6	Alcohol use during pregnancy	14	Congenital anomalies	21
Race and Hispanic origin	6	Medical services utilization	15	Multiple births	21
Total fertility rate	7	Prenatal care	15	References	22
Births and birth rates by State	8	Obstetric procedures	16	List of tables	25
Sex ratio	8	Complications of labor and/or delivery	17	Guide to tables	27
Month of birth	8			Technical notes	89
Day of the week of birth	8				

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