

**DOCUMENTATION OF THE  
DETAIL NATALITY FILE FOR  
2002 DATA**

## Public Use Data Tape Documentation - Natality Detail 2002 Data

This tape documentation was prepared in the Division of Vital Statistics. Vanetta Harrington of the Systems, Programming, and Statistical Resources Branch was responsible for coordinating the natality documentation.

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

Questions on the documentation or general questions concerning the natality file should be directed to the Systems, Programming, and Statistical Resources Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Hyattsville, MD 20782-2003 (301-458-4777).

Questions concerning the Technical Appendix or substantive questions concerning the natality data should be directed to the Reproductive Statistics Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Hyattsville, MD 20782-2003 (301-458-4111).

## Documentation of the Detail Natality Data File for 2002 Data

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

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

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

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

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: 4,027,376
	b.	By residence: 4,021,726
	c.	To foreign residents: 5,650

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

1.	Record count:	60,708
----	---------------	--------

PUERTO RICO:

2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 52,871
	b.	By residence: 52,747

VIRGIN ISLANDS:

1.	Record count:	
2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 1,701
	b.	By residence: 1,634

GUAM:

1.	Record count:	
2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 3,221
	b.	By residence: 3,212

AMERICAN SAMOA:

1.	Record count:	
2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 1,627
	b.	By residence: 1,627

NORTHERN MARIANAS:

1.	Record count:	
2.	Data counts:	ALL BIRTHS:
	a.	By occurrence: 1,288
	b.	By residence: 1,290

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-4	4	<p><u>DATAYEAR</u> <u>Year Birth of Child (Data Year)</u></p> <p>2002                    ...                    2002</p>
5	1	<p><u>RECTYPE</u> <u>Record Type</u></p> <p>1                    ...                    Resident: State and county of occurrence and residence are the same.</p> <p>2                    ...                    Nonresident: State and/or county of occurrence and residence are different.</p>
6	1	<p><u>RESTATUS</u> <u>Resident Status</u></p> <p><u>United States occurrence</u></p> <p>1                    ...                    RESIDENTS: State and county of occurrence and residence are the same.</p> <p>2                    ...                    INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.</p> <p>3                    ...                    INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the U.S.</p> <p>4                    ...                    FOREIGN RESIDENTS: State of occurrence is one of the 50 States or the District of Columbia, but place of residence of mother is outside of the U.S.</p> <p><u>Puerto Rico occurrence</u></p> <p>1                    ...                    RESIDENTS: Territory and county equivalent of occurrence and residence are the same.</p> <p>2                    ...                    INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different.</p> <p>3                    ...                    INTERTERRITORY NONRESIDENTS: Territory of occurrence and residence are different, but both are a Territory.</p> <p>4                    ...                    FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.</p>

2002  
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>  1           ...   RESIDENTS: Territory and county equivalent of occurrence and residence are the same. 2           ...   INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. 3           ...   INTERTERRITORY NONRESIDENTS: Territory of occurrence and residence are different, but both are a Territory. 4           ...   FOREIGN RESIDENTS: Occurred in the Virgin Islands to a resident of any other place.  <u>Guam occurrence</u>  1           ...   RESIDENTS: Occurred in Guam to a resident of Guam or to a resident of the U.S. 3           ...   INTERTERRITORY NONRESIDENTS: Territory of occurrence and residence are different, but both are a Territory. 4           ...   FOREIGN RESIDENTS: Occurred in Guam to a resident of any place other than Guam or of the U.S.  <u>American Samoa occurrence</u>  1           ...   RESIDENTS: Territory and county equivalent of occurrence and residence are the same. 2           ...   INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. 3           ...   INTERTERRITORY NON RESIDENTS: Territory of occurrence and residence are different, but both are a Territory. 4           ...   FOREIGN RESIDENTS: Occurred in the American Samoa to a resident of any other place.

## 2002

### Detail Natality Record

Tape  
Location

Field  
Size

### Item and Code Outline

6

1

## RESTATUS

## Resident Status (Cont'd)

### Northern Marianas occurrence

```

1      ... RESIDENTS: Territory and county
           equivalent of occurrence and
           residence are the same.
2      ... INTRATERRITORY NONRESIDENTS:
           Territory of occurrence and
           residence are the same, but county
           equivalent is different.
3      ... INTERTERRITORY NONRESIDENTS:
           Territory of occurrence and
           residence are different, but both
           are a Territory.
4      ... FOREIGN RESIDENTS: Occurred in the
           Northern Marianas to a resident of
           any other place.

```

7

1

## RECWT

## Record Weight

1           ...   Constant - as of the 1985 data year,  
                  this file contains data on a  
                  100-percent basis from all reporting  
                  areas.

8

1

PLDEL

Place or Facility of Birth

1	...	Hospital
2	...	Freestanding Birthing Center
3	...	Clinic or Doctor's Office
4	...	A Residence
5	...	Other
9	...	Unknown or Not Stated

9

1

PLDEL3

Place or Facility of Birth Recode

1	...	In Hospital
2	...	Not in a Hospital
3	...	Unknown or Not Stated

10

1

## BIRATTND

Attendant at Birth

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

2002  
Detail Natality Record

## Item and Code Outline

NOCCUR  
Place of Occurrence

RDSSCOCC  
Region, Division, and State Subcode of  
Occurrence

REGNOCC  
Region of Occurrence

DIV OCC  
Division of Occurrence

**STSUBOCC**  
State Subcode of Occurrence

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

000 ... Not applicable: P.R., V.I.,  
A.S., Guam or M.P. occurrence

```

1      ... NORTHEAST
1      ... New England
      1      ... Maine
      2      ... New Hampshire
      3      ... Vermont
      4      ... Massachusetts

```

STSUBOCC

2002  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

State Subcode of Occurrence (Cont'd)

5	...	Rhode Island
6	...	Connecticut
2	...	<u>Middle Atlantic</u>
1	...	New York
2	...	New Jersey
3	...	Pennsylvania
2	...	<u>MIDWEST</u>
3	...	<u>East North Central</u>
1	...	Ohio
2	...	Indiana
3	...	Illinois
4	...	Michigan
5	...	Wisconsin
4	...	<u>West North Central</u>
1	...	Minnesota
2	...	Iowa
3	...	Missouri
4	...	North Dakota
5	...	South Dakota
6	...	Nebraska
7	...	Kansas
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



2001  
Detail Natality Record

**Tape**  
**Location**

**Field**  
**Size**

**Item and Code Outline**

**State Subcode of Occurrence (Cont'd)**

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

14-15

2

**STNATEXP**

**Expanded State of Occurrence**

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

**United States**

01	...	Alabama
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

14-15

2

**STNATEXP**

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

Expanded State of Occurrence (Cont'd)

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

Puerto Rico

53	...	Puerto Rico
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Virgin Islands

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

Guam

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

American Samoa

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

Northern Marianas

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

16-17

2

STATENAT

State of Occurrence

United States

01	...	Alabama
02	...	Alaska
03	...	Arizona
04	...	Arkansas

16-17

2

STATENAT

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

State of Occurrence (Cont'd)

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
44	...	Texas
45	...	Utah
46	...	Vermont
47	...	Virginia
48	...	Washington
49	...	West Virginia
50	...	Wisconsin
51	...	Wyoming

Field  
Size

2001  
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
		48      ...    Texas

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

21-22

2

STOCCFIP

State of Occurrence (FIPS) (Cont'd)

50	...	Vermont
51	...	Virginia
53	...	Washington
54	...	West Virginia
55	...	Wisconsin
56	...	Wyoming

Puerto Rico

72	...	Puerto Rico
----	-----	-------------

Virgin Islands

78	...	Virgin Islands
----	-----	----------------

Guam

66	...	Guam
----	-----	------

American Samoa

60	...	American Samoa
----	-----	----------------

Northern Marianas

69	...	Northern Marianas
----	-----	-------------------

23-25

3

CNTOCFIP

County of Occurrence (FIPS)

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

2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																							
26	1	<u>CNTOCPOP</u> <u>Population Size of County of Occurrence</u>  Based on the results of the 1990 Census <table> <tr><td>0</td><td>...</td><td>County of 1,000,000 or more</td></tr> <tr><td>1</td><td>...</td><td>County of 500,000 to 1,000,000</td></tr> <tr><td>2</td><td>...</td><td>County of 250,000 to 500,000</td></tr> <tr><td>3</td><td>...</td><td>County of 100,000 to 250,000</td></tr> </table>	0	...	County of 1,000,000 or more	1	...	County of 500,000 to 1,000,000	2	...	County of 250,000 to 500,000	3	...	County of 100,000 to 250,000																											
0	...	County of 1,000,000 or more																																							
1	...	County of 500,000 to 1,000,000																																							
2	...	County of 250,000 to 500,000																																							
3	...	County of 100,000 to 250,000																																							
27-58	32	<u>NRESID</u> <u>Place of Residence</u>  Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. 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. <u>APPLICABLE TO U.S. ONLY</u> <table> <tr><td>000</td><td>...</td><td><u>Foreign Residents</u></td></tr> <tr><td>1</td><td>...</td><td><u>NORTHEAST</u></td></tr> <tr><td>1</td><td>...</td><td><u>New England</u></td></tr> <tr><td>1</td><td>1</td><td>Maine</td></tr> <tr><td>1</td><td>2</td><td>New Hampshire</td></tr> <tr><td>1</td><td>3</td><td>Vermont</td></tr> <tr><td>1</td><td>4</td><td>Massachusetts</td></tr> <tr><td>1</td><td>5</td><td>Rhode Island</td></tr> <tr><td>1</td><td>6</td><td>Connecticut</td></tr> <tr><td>2</td><td>...</td><td><u>Middle Atlantic</u></td></tr> <tr><td>2</td><td>1</td><td>New York</td></tr> <tr><td>2</td><td>2</td><td>New Jersey</td></tr> <tr><td>2</td><td>3</td><td>Pennsylvania</td></tr> </table>	000	...	<u>Foreign Residents</u>	1	...	<u>NORTHEAST</u>	1	...	<u>New England</u>	1	1	Maine	1	2	New Hampshire	1	3	Vermont	1	4	Massachusetts	1	5	Rhode Island	1	6	Connecticut	2	...	<u>Middle Atlantic</u>	2	1	New York	2	2	New Jersey	2	3	Pennsylvania
000	...	<u>Foreign Residents</u>																																							
1	...	<u>NORTHEAST</u>																																							
1	...	<u>New England</u>																																							
1	1	Maine																																							
1	2	New Hampshire																																							
1	3	Vermont																																							
1	4	Massachusetts																																							
1	5	Rhode Island																																							
1	6	Connecticut																																							
2	...	<u>Middle Atlantic</u>																																							
2	1	New York																																							
2	2	New Jersey																																							
2	3	Pennsylvania																																							

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

29

1

STSUBRES

State Subcode of Residence (Cont'd)

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



2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

29

1

STSUBRES

State Subcode of Residence (Cont'd)

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

30-31

2

STREEXP

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

2001  
Detail Natality Record

**Tape**  
**Location**

**Field**  
**Size**

**Item and Code Outline**

30-31

2

**STRESEXP**

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

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
62,63		
53	...	Puerto Rico
54	...	Virgin Islands
55	...	Guam
62	...	American Samoa
63	...	Northern Marianas
56	...	Canada
57	...	Cuba
58	...	Mexico
60	...	Remainder of the world

**Puerto Rico occurrence**

53	...	Puerto Rico
01-52,54-58,60,62,63...		Foreign residents: Refer to U.S. for specific code structure.

**Virgin Islands occurrence**

54	...	Virgin Islands
01-53,55-58,60,62,63...		Foreign residents: Refer to U.S. for specific code structure.

2001  
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>STRESEXP</u> <u>Expanded State of Residence (Cont'd)</u>	
		<u>Guam occurrence</u>	
		55 ...	Guam
		01-52 ...	U.S. resident is also considered a resident of Guam.
		53-54,56-58,60,62,63...	Foreign residents: Refer to U.S. for specific code structure.
		<u>American Samoa occurrence</u>	
		62 ...	American Samoa
		01-52 ...	U.S. resident is also considered a resident of American Samoa .
		53-58,60,63 ...	Foreign residents: Refer to U.S. for specific code structure.
		<u>Northern Marianas</u>	
		63 ...	Northern Marianas
		01-52 ...	U.S. resident is also considered a resident of Northern Marianas.
		53-58,60,62 ...	Foreign residents: Refer to U.S. for specific code structure.
32-33	2	<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

2001  
Detail Natality Record

**Tape  
Location**

**Field  
Size**

**Item and Code Outline**

32-33

2

**STATERES**

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

20	...	Maine
21	...	Maryland
22	...	Massachusetts
23	...	Michigan
24	...	Minnesota
25	...	Mississippi
26	...	Missouri
27	...	Montana
28	...	Nebraska
29	...	Nevada
30	...	New Hampshire
31	...	New Jersey
32	...	New Mexico
33	...	New York
34	...	North Carolina
35	...	North Dakota
36	...	Ohio
37	...	Oklahoma
38	...	Oregon
39	...	Pennsylvania
40	...	Rhode Island
41	...	South Carolina
42	...	South Dakota
43	...	Tennessee
44	...	Texas
45	...	Utah
46	...	Vermont
47	...	Virginia
48	...	Washington
49	...	West Virginia
50	...	Wisconsin
51	...	Wyoming
52-57,59,61,62	..	Foreign Residents
52	...	Puerto Rico
53	...	Virgin Islands
54	...	Guam
61	...	American Samoa
62	...	Northern Marianas
55	...	Canada
56	...	Cuba
57	...	Mexico
59	...	Remainder of the world

**Puerto Rico occurrence**

52	...	Puerto Rico
01-51,53-57,59, 61,62	...	Foreign Residents: Refer to U.S. for specific code structure.

2001  
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
32-33	2	<p><u>STATERES</u> <u>State of Residence (Cont'd)</u></p> <p><u>Virgin Islands occurrence</u></p> <p>53 ... Virgin Islands 01-52,54-57,59, ... Foreign Residents: Refer to 61,62 U.S. for specific code structure.</p> <p><u>Guam occurrence</u></p> <p>54 ... Guam 01-51 ... U.S. resident is also considered a resident of Guam. 52-53,55-57,59, ... Foreign Residents: Refer to 61,62 U.S. for specific code structure.</p> <p><u>American Samoa occurrence</u></p> <p>61 ... American Samoa 01-51 ... U.S. resident is also considered a resident of American Samoa 52-57,59,62 ... Foreign Residents: Refer to U.S. for specific code structure.</p> <p><u>Northern Marianas</u></p> <p>62 ... Northern Marianas 01-51 ... U.S resident is also considered a resident of Northern Marianas. 52-57,59,61 ... Foreign Residents: Refer to U.S. for specific code structure.</p>
34-36	3	<p><u>CNTYRES</u> <u>County of Residence</u></p> <p>A complete list of counties is shown in the Geographic Code Outline further back in this document.</p> <p>001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both the State and county codes must be used.) 999 ... County of less than 100,000 population ZZZ ... Foreign Residents</p>

2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
37-39	3	<p><u>CITYRES</u> <u>City of Residence</u></p> <p>A complete list of cities is shown in the Geographic Code Outline further back in this document.</p> <p>001-nnn                   ...    Cities are numbered alphabetically within each state and identify each city with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both the State and city codes must be used. State, county and city codes may also be used.)</p> <p>999                       ...    Balance of county</p> <p>ZZZ                       ...    Foreign resident</p>
40	1	<p><u>CITRSPOP</u> <u>Population Size of City of Residence</u></p> <p>Based on the results of the 1990 census</p> <p>0                         ...    Place of 1,000,000 or more</p> <p>1                         ...    Place of 500,000 to 1,000,000</p> <p>2                         ...    Place of 250,000 to 500,000</p> <p>3                         ...    Place of 100,000 to 250,000</p> <p>9                         ...    All other areas in the U.S.</p> <p>Z                         ...    Foreign residents</p>
41	1	<p><u>METRORES</u> <u>Metropolitan - Nonmetropolitan County of Residence</u></p> <p><b><u>NOTE:</u></b> VIRGIN ISLANDS, GUAM, NORTHERN MARIANAS AND AMERICAN SAMOA DO NOT HAVE ANY METROPOLITAN AREAS</p> <p>1                         ...    Metropolitan county</p> <p>2                         ...    Nonmetropolitan county</p> <p>Z                         ...    Foreign residents</p>
42-57	16	<p><u>FIPSRES</u> <u>Federal Information Processing Standards (FIPS)</u> <u>Geographic Codes (Residence)</u></p> <p>Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. <b>Some Geographic Codes have changed to reflect the results of the 1990 Census.</b></p>

2001  
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)</u>
		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
		33           ...   New Hampshire
		34           ...   New Jersey
		35           ...   New Mexico
		36           ...   New York
		37           ...   North Carolina
		38           ...   North Dakota

2001  
Detail Natality Record

## Item and Code Outline

STRESFIP  
State of Residence (FIPS) (Cont'd)

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

Puerto Rico occurrence

```

00-56,60,66,78,69 ... Foreign Residents: Refer to
                        U.S. for specific code
                        structure
72 ... Puerto Rico

```

Virgin Islands occurrence

```
00-56,60,66,72,69 ... Foreign Residents: Refer to
                        U.S. for specific code
                        structure
78 ... Virgin Islands
```

Guam occurrence

00,60,72,78,69	... Foreign Residents: Refer to U.S. for specific code structure
01-56	... U.S. Resident is also considered a resident of Guam. Refer to U.S. for specific code structure
66	... Guam



2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
42-43	2	<p><u>STRESFIP</u> <u>State of Residence (FIPS) (Cont'd)</u></p> <p><u>American Samoa occurrence</u></p> <p>00,66,72,78,69 ... Foreign Residents: Refer to U.S. for specific code structure</p> <p>01-56 ... U.S. Resident is also considered a resident of American Samoa. Refer to specific code structure</p> <p>60 ... American Samoa</p> <p><u>Northern Marianas</u></p> <p>00,60,66,72,78 ... Foreign Residents: Refer to U.S. for specific code structure.</p> <p>01-56 ... U.S. Resident is also considered a resident of Northern Marianas. Refer to specific code structure.</p> <p>69 ... Northern Marianas</p>
44-46	3	<p><u>CNTYRFIP</u> <u>County of Residence (FIPS)</u></p> <p>001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.)</p> <p>999 ... County of less than 100,000 population</p> <p>000 ... Foreign residents</p>
47-51	5	<p><u>PLACEFIP</u> <u>Place (City) of Residence</u></p> <p>A complete list of cities is shown in the Geographic code outline further back in this document. Effective with the 1994 data year, the FIPS place code has been added to the Natality record. It identifies each city of 100,000 population or more in 1990.</p> <p>00000 ... Foreign residents</p> <p>00001-nnnnn ... Code range</p> <p>99999 ... Balance of county; or city of less than 100,000 population</p>

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

52-53

2

CMSA  
CMSA of Residence (FIPS)

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.

All AREAS

00 ... Not a CMSA

United States occurrence

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  
42 ... Houston-Galveston-Brazoria, TX, CMSA  
49 ... Los Angeles-Riverside-Orange County,  
CA, CMSA  
56 ... Miami-Fort Lauderdale, FL, CMSA  
63 ... Milwaukee-Racine, WI, CMSA  
70 ... New York-Northern New Jersey-Long  
Island, NY-NJ-CT-PA, CMSA  
77 ... Philadelphia-Wilmington-Atlantic  
City, PA-NJ-DE-MD, CMSA  
79 ... Portland-Salem, OR-WA, CMSA  
82 ... Sacramento-Yolo, CA, CMSA  
84 ... San Francisco-Oakland-San Jose, CA, CMSA  
91 ... Seattle-Tacoma-Bremerton, WA, CMSA  
97 ... Washington-Baltimore, DC-MD-VA-WV,  
CMSA

Puerto Rico occurrence

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

2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
54-57	4	<p><u>SMSARFIP</u> <u>PMSA/MSA of Residence (FIPS)</u></p> <p>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.</p> <p>0000           ...   Nonmetropolitan counties or foreign residents</p> <p>0040-9360   ...   Code range</p> <p>9999           ...   Area of less than 100,000 population</p>
58	1	<p><u>CNTRSPOP</u> <u>Population Size of County of Residence</u></p> <p>Based on the results of the 1990 Census.</p> <p>0           ...   County of 1,000,000 or more</p> <p>1           ...   County of 500,000 to 1,000,000</p> <p>2           ...   County of 250,000 to 500,000</p> <p>3           ...   County of 100,000 to 250,000</p> <p>9           ...   County of less than 100,000</p> <p>Z           ...   Foreign resident</p>
59-67	9	<p><u>R1A</u> <u>Reserved Positions</u></p>
68	1	<p><u>MAGERFLG</u> <u>Reported Age of Mother Used Flag</u></p> <p>This position is flagged whenever the mother's reported age is used. The reported age is used, if valid, when age could not be computed or when the computed age is outside the 10-54 code range.</p> <p>Blank       ...   Reported age is not used</p> <p>1           ...   Reported age is used</p>
69	1	<p><u>MAGEIMP</u> <u>Age of Mother Imputation Flag</u></p> <p>Blank       ...   Age is not imputed</p> <p>1           ...   Age is imputed</p>

2001  
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
70-71	2	<p><u>DMAGE</u> <u>Age of Mother</u></p> <p>This item is: a) computed using dates of birth of mother and of delivery; b) reported; or c) imputed. This is the age item used in NCHS publications.</p> <p>10-54      ...      Age in single years</p>
72-73	2	<p><u>MAGE36</u> <u>Age of Mother Recode 36</u></p> <p>01      ...      Under 15 years  02      ...      15 years  03      ...      16 years  04      ...      17 years  05      ...      18 years  06      ...      19 years  07      ...      20 years  08      ...      21 years  09      ...      22 years  10      ...      23 years  11      ...      24 years  12      ...      25 years  13      ...      26 years  14      ...      27 years  15      ...      28 years  16      ...      29 years  17      ...      30 years  18      ...      31 years  19      ...      32 years  20      ...      33 years  21      ...      34 years  22      ...      35 years  23      ...      36 years  24      ...      37 years  25      ...      38 years  26      ...      39 years  27      ...      40 years  28      ...      41 years  29      ...      42 years  30      ...      43 years  31      ...      44 years  32      ...      45 years  33      ...      46 years  34      ...      47 years  35      ...      48 years  36      ...      49 years  37      ...      50 years  38      ...      51 years  39      ...      52 years  40      ...      53 years  41      ...      54 years</p>

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

74-75

2

MAGE12  
Age of Mother Recode 12

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
14	...	50 - 54 years

76

1

MAGE8  
Age of Mother Recode 8

1	...	Under 15 years
2	...	15 - 19 years
3	...	20 - 24 years
4	...	25 - 29 years
5	...	30 - 34 years
6	...	35 - 39 years
7	...	40 - 44 years
8	...	45 - 49 years
9	...	50 - 54 years

77

1

ORMOTH  
Hispanic Origin of Mother

Hispanic origin is reported by all areas except  
Puerto Rico, Northern Marianas, and American Samoa

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

2001  
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>																																										
78	1	<p><b><u>ORRACEM</u></b>  <b><u>Hispanic Origin and Race of Mother Recode</u></b></p> <p>Hispanic origin is reported by all areas except Puerto Rico, Northern Marianas, and American Samoa</p> <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 races</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 races	9	...	Origin unknown or not stated															
1	...	Mexican																																										
2	...	Puerto Rican																																										
3	...	Cuban																																										
4	...	Central or South American																																										
5	...	Other and unknown Hispanic																																										
6	...	Non-Hispanic White																																										
7	...	Non-Hispanic Black																																										
8	...	Non-Hispanic other races																																										
9	...	Origin unknown or not stated																																										
79	1	<p><b><u>MRACEIMP</u></b>  <b><u>Race of Mother Imputation Flag</u></b></p> <table> <tr><td>Blank</td><td>...</td><td>Race is not imputed</td></tr> <tr><td>1</td><td>...</td><td>Unknown race is imputed</td></tr> <tr><td>2</td><td>...</td><td>All other races, formerly code 09, is imputed</td></tr> </table>	Blank	...	Race is not imputed	1	...	Unknown race is imputed	2	...	All other races, formerly code 09, is imputed																																	
Blank	...	Race is not imputed																																										
1	...	Unknown race is imputed																																										
2	...	All other races, formerly code 09, is imputed																																										
80-81	2	<p><b><u>MRACE</u></b>  <b><u>Race of Mother</u></b></p> <p><b><u>United States occurrence</u></b>  Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been imputed.</p> <table> <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
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2001  
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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2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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 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>  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>  Blank        ...    Marital Status is not imputed 1            ...    Marital Status is imputed



2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

87

1

DMAR

Marital Status of Mother

Marital status is not reported by all areas. See reporting flags.

United States/Virgin Island/Guam/American

Samoa/Northern Marianas

1	...	Married
2	...	Unmarried
9	...	Unknown or not stated

Puerto Rico

1	...	Married
2	...	Unmarried parents living together
3	...	Unmarried parents not living together
9	...	Unknown or not stated

88-89

2

MPLBIR

Place of Birth of Mother

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

2001  
Detail Natality Record

**Tape**  
**Location**

**Field**  
**Size**

**Item and Code Outline**

88-89

2

**MPLBIR**

**Place of Birth of Mother Cont'd**

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	...	Puerto Rico
53	...	Virgin Islands
54	...	Guam
61	...	American Samoa
62	...	Northern Marianas
55	...	Canada
56	...	Cuba
57	...	Mexico
59	...	Remainder of the World
99	...	Not classifiable

90

1

**MPLBIRR**

**Place of Birth of Mother Recode**

1	...	Native born
2	...	Foreign born
3	...	Unknown or not stated

91-92

2

**DMAGERPT**

**Reported Age of Mother**

10-54	...	Age in single years
99	...	Unknown or not stated

93

1

**ADEQUACY**

**Adequacy Of Care Recode (Kessner Index)**

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.

1	...	Adequate
2	...	Intermediate
3	...	Inadequate
4	...	Unknown

2001  
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 7            ...     Seventh Child 8            ...     Eighth Child and over 9            ...     Unknown or not stated

2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
103-104	2	<p><u>DTOTORD</u> <u>Detail Total Birth Order</u></p> <p>Sum of live birth order and other terminations. If either item is unknown, this item is made unknown.</p> <p>01-40     ...     Total number of live births and                          other terminations</p> <p>99         ...     Unknown</p>
105	1	<p><u>TOTORD9</u> <u>Total Birth Order Recode</u></p> <p>1            ...     First Child</p> <p>2            ...     Second Child</p> <p>3            ...     Third Child</p> <p>4            ...     Fourth Child</p> <p>5            ...     Fifth Child</p> <p>6            ...     Sixth Child</p> <p>7            ...     Seventh Child</p> <p>8            ...     Eighth Child and over</p> <p>9            ...     Unknown or not stated</p>
106-107	2	<p><u>MONPRE</u> <u>Detail Month of Pregnancy Prenatal Care Began</u></p> <p>00            ...     No prenatal care</p> <p>01            ...     1st month</p> <p>02            ...     2nd month</p> <p>03            ...     3rd month</p> <p>04            ...     4th month</p> <p>05            ...     5th month</p> <p>06            ...     6th month</p> <p>07            ...     7th month</p> <p>08            ...     8th month</p> <p>09            ...     9th month</p> <p>99            ...     Unknown or not stated</p>
108	1	<p><u>MPRE6</u> <u>Month Prenatal Care Began Recode 6</u></p> <p>1            ...     1st - 2nd month</p> <p>2            ...     3rd month</p> <p>3            ...     4th - 6th month</p> <p>4            ...     7th - 9th month</p> <p>5            ...     No prenatal care</p> <p>6            ...     Unknown or not stated</p>
109	1	<p><u>MPRE5</u> <u>Month Prenatal Care Began Recode 5</u></p> <p>1            ...     1st Trimester (1st-3rd month)</p> <p>2            ...     2nd Trimester (4th-6th month)</p> <p>3            ...     3rd Trimester (7th-9th month)</p> <p>4            ...     No Prenatal Care</p> <p>5            ...     Unknown or not stated</p>

2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
110-111	2	<u>NPREVIS</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
112-113	2	<u>NPREV12</u> <u>Number of Prenatal Visits Recode (Cont'd)</u>  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
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>

2001  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		<u>Year Last Normal Menses Began</u>
		2001        ...        2001
		2002        ...        2002
		9999        ...        Unknown or not stated year of LMP
122-132	11	<u>R8</u> Item was dropped in 1994
		<u>R8A</u> <u>Reserved Position</u>
133-137	5	<u>Imputed Birthweight (applicable to denominator for Linked Birth/Death file only)</u>  Created beginning with 1995 data
133	1	<u>BWIMP (applicable to denominator for linked Birth/Death file only)</u> <u>Imputed Birthweight Flag</u>  Blank        ...        Birthweight is not imputed 1            ...        Birthweight is imputed
134-137	4	<u>Imputed Birthweight (applicable to denominator for Linked Birth/Death file only)</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 the age item used in NCHS publications.  10-98        ...        Age in single years 99            ...        Unknown or not stated
156-157	2	<u>FAGE11</u>

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

Age of Father Recode

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

ORFATH

Hispanic Origin of Father

Hispanic origin of father is reported by all areas except Puerto Rico, Northern Marianas and American Samoa

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

159

1

ORRACEF

Hispanic Origin and Race of Father Recode

Hispanic origin of father is reported by all areas except Puerto Rico, Northern Marianas and American Samoa.

1	...	Mexican
2	...	Puerto Rican
3	...	Cuban
4	...	Central or South American
5	...	Other and unknown Hispanic
6	...	Non - Hispanic White
7	...	Non - Hispanic Black
8	...	Non - Hispanic other or unknown race
9	...	Origin unknown or not stated

160-161

2

FRACE

Race of Father

2001  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

United States occurrence

Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been Changed to 99.

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
99	...	Unknown or Not Stated

Puerto Rico occurrence

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

Virgin Islands occurrence

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



2001  
Detail Natality Record

**Tape**  
**Location**

**Field**  
**Size**

**Item and Code Outline**

**Guam occurrence**

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

**American Samoa occurrence**

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

**Northern Marianas occurrence**

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

162

1

**FRACE4**

**Race of Father Recode**

1	...	White
2	...	Races other than White, Black, or unknown
3	...	Black
4	...	Unknown or not stated

2001  
Detail Natality Record

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

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		<u>Year of Birth</u>
		2002      ...      2002
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
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>

2002  
Detail Natality Record

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

2002  
Detail Natality Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
		<b><u>Birth Weight Recode 4</u></b>
		1            ...    1499 grams or less
		2            ...    1500 - 2499 grams
		3            ...    2500 - grams or more
		4            ...    Unknown or not stated
200	1	<b><u>PLURIMP</u></b> <b><u>Plurality Imputation Flag</u></b>
		Blank       ...    Plurality is not imputed
		1            ...    Plurality is imputed
201	1	<b><u>DPLURAL</u></b> <b><u>Plurality</u></b>
		1            ...    Single
		2            ...    Twin
		3            ...    Triplet
		4            ...    Quadruplet
		5            ...    Quintuplet or higher
202-204	3	<b><u>R6</u></b> <b><u>Reserved positions</u></b>
		Item was dropped in 1995
205-206	2	<b><u>FMAPS</u></b> <b><u>Five Minute Apgar Score</u></b>
		Apgar Score is not reported by all areas. See reporting flags.
		00-10       ...    A score of 0-10
		99           ...    Unknown or not stated
207	1	<b><u>FMAPSR</u></b> <b><u>Five Minute Apgar Score Recode</u></b>
		Apgar Score is not reported by all areas. See reporting flags.
		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	<b><u>CLINGEST</u></b>

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		<u>Clinical Estimate of Gestation</u>
		Clinical estimate is not reported by all areas. See reporting flags.
		17-47 ... Estimated gestation in weeks
		99 ... Unknown or not stated
210-216	7	<u>R4</u>
		<u>Reserved Positions</u>
217-306	90	<u>MEDINFO</u>
		<u>Medical and Health Data</u>
		Some States do not report an entire item while other States do not report all of the categories within an item.
		If an item is not reported, it is indicated by code zero in the appropriate reporting flag.
		If a category within an item is not reported it is indicated by code 8 in the position for that category.
217-222	6	<u>DELMETH</u>
		<u>Method of Delivery</u>
		Each method is assigned a separate position, and the code structure for each method (position) is:
		1 ... The method was used
		2 ... The method was not used
		8 ... Method not on certificate
		9 ... Method unknown or not stated
217	1	<u>VAGINAL</u>
		<u>Vaginal</u>
218	1	<u>VBAC</u>
		<u>Vaginal birth after previous C-section</u>
219	1	<u>PRIMAC</u>
		<u>Primary C -section</u>
220	1	<u>REPEAC</u>
		<u>Repeat C -section</u>
221	1	<u>FORCEP</u>
		<u>Forceps</u>
222	1	<u>VACUUM</u>
		<u>Vacuum</u>
223	1	<u>R5</u>
		<u>Reserved Position</u>
224	1	<u>DELMETH5</u>
		<u>Method of Delivery Recode</u>

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</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.&lt;30/Hgb.&lt;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>
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>

2002  
Detail Natality Record

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



2002  
Detail Natality Record

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

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
255	1	<u>INDUCT</u> <u>Induction of labor</u>
256	1	<u>STIMULA</u> <u>Stimulation of labor</u>
257	1	<u>TOCOL</u> <u>Tocolysis</u>
258	1	<u>ULTRAS</u> <u>Ultrasound</u>

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</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:  <table> <tr> <td>1</td><td>...</td><td>Complication reported</td></tr> <tr> <td>2</td><td>...</td><td>Complication not reported</td></tr> <tr> <td>8</td><td>...</td><td>Complication not on certificate</td></tr> <tr> <td>9</td><td>...</td><td>Complication not classifiable</td></tr> </table>	1	...	Complication reported	2	...	Complication not reported	8	...	Complication not on certificate	9	...	Complication not classifiable
1	...	Complication reported												
2	...	Complication not reported												
8	...	Complication not on certificate												
9	...	Complication not classifiable												
260	1	<u>FEBRILE</u> <u>Febrile (&gt;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 (&gt;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 (&lt;3 hours)</u>												
268	1	<u>PROLONG</u> <u>Prolonged labor (&gt;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>												

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</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:  <div style="margin-left: 40px;"> 1           ...   Condition reported  2           ...   Condition not reported  8           ...   Condition not on certificate  9           ...   Condition not classifiable </div>
276	1	<u>NANEMIA</u> <u>Anemia (Hct.&lt;39/Hgb.&lt;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>
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>

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>												
285-306	22	<u>CONGENIT</u> <u>Congenital Anomalies</u> <p>Each anomaly is assigned a separate position, and the code structure for each anomaly (position) is:</p> <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>												
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>												

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
301	1	<u>CLUBFOOT</u> <u>Club foot</u>
302	1	<u>HERNIA</u> <u>Diaphragmatic hernia</u>
303	1	<u>MUSCULO</u> <u>Other musculoskeletal/integumental anomalies</u>
304	1	<u>DOWNS</u> <u>Down's syndrome</u>
305	1	<u>CHROMO</u> <u>Other chromosomal anomalies</u>
306	1	<u>OTHERCON</u> <u>Other Congenital Anomalies</u>
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>

2002  
Detail Natality Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
316	1	<u>TOBUSE</u> <u>Tobacco use</u>
317	1	<u>ALCUSE</u> <u>Alcohol use</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
350	1	<u>POPSMAS</u> <u>PMSA/MSA Population Size</u>

2002  
Detail Natality Record

Tape  
Location

Field  
Size

Item and Code Outline

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 Institute of Standards & Technology (NITS) publications.

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

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

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

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

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

Vital Statistics Codes					FIPS Codes					
St	Cnty	P/MSA	M/NM	City P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01					Alabama	01				
	037			030 6	Jefferson, con.		073	1	1000	51696
				046 6	Mountain Brook					78552
				999 9	Vestavia Hills					99999
				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	26896
				016 5	Florence					99999
				999 9	Balance of county					
	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 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 Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
02						Alaska	02				
	001	000	2	999	9	Aleutians East		013	6	0000	
	002	000	2	999	9	Aleutians West		016	6	0000	
	003	010	1	001	3	Anchorage, coext. with Anchorage city		020	3	0380	03000
	004	000	2	999	9	Bethel		050	6	0000	
	005	000	2	999	9	Bristol Bay		060	6	0000	
	006	000	2	999	9	Dillingham		070	6	0000	
	007	000	2			Fairbanks North Star		090	4	0000	
				002	5	Fairbanks					24230
				999	9	Balance of area					99999
	008	000	2	999	9	Haines		100	6	0000	
	009	000	2	003	5	Juneau, coext. with Juneau city		110	5	0000	36400
	010	000	2	999	9	Kenai Peninsula		122	5	0000	
	011	000	2	999	9	Ketchikan Gateway		130	6	0000	
	012	000	2	999	9	Kodiak Island		150	6	0000	
	013	000	2	999	9	Lake and Peninsula		164	6	0000	
	014	000	2	999	9	Matanuska-Susitna		170	5	0000	
	015	000	2	999	9	Nome		180	6	0000	
	016	000	2	999	9	North Slope		185	6	0000	
	017	000	2	999	9	Northwest Arctic		188	6	0000	
	018	000	2	999	9	Prince of Wales-Outer Ketchikan		201	6	0000	
	019	000	2	999	9	Sitka		220	6	0000	
	020	000	2	999	9	Skagway-Hoonah-Angoon		232	6	0000	
	021	000	2	999	9	Southeast Fairbanks		240	6	0000	
	022	000	2	999	9	Valdez-Cordova		261	6	0000	
	023	000	2	999	9	Wade Hampton		270	6	0000	
	024	000	2	999	9	Wrangell-Petersburg		280	6	0000	
	025	000	2	999	9	Yakutat		282	6	0000	
	026	000	2	999	9	Yukon-Koyukuk		290	6	0000	

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

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

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



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

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

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

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	031					Placer, con.		061	3	6920	
				221	6	Rocklin					62364
				224	5	Roseville					62938
				999	9	Balance of county					99999
	032	000	2	999	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 Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	039			149	5	San Joaquin, con.		077	2	8120	45484
				274	3	Manteca					75000
				281	5	Stockton					80238
				999	9	Tracy					99999
						Balance of county					
	040	252	1	010	6	San Luis Obispo		079	3	7460	02868
				012	6	Arroyo Grande					03064
				079	6	Atascadero					22300
				099	6	El Paso de Robles					31400
				243	5	Grover City					68154
				999	9	San Luis Obispo					99999
						Balance of county					
	041	250	1	023	6	San Mateo		081	1	7360	05108
				031	5	Belmont					09066
				062	4	Burlingame					17918
				074	6	Daly City					20956
				088	5	East Palo Alto					25338
				109	6	Foster City					33798
				154	5	Hillsborough					46870
				156	6	Menlo Park					47486
				186	5	Millbrae					54806
				215	4	Pacifica					60102
				229	5	Redwood City					65028
				231	5	San Bruno					65070
				246	4	San Carlos					68252
				272	4	San Mateo					73262
				999	9	South San Francisco					99999
						Balance of county					
	042	253	1	037	6	Santa Barbara		083	2	7480	11446
				139	5	Carpinteria					42524
				251	4	Lompoc					69070
				256	4	Santa Barbara					69196
				999	9	Santa Maria					99999
						Balance of county					
	043	251	1	034	5	Santa Clara		085	0	7400	10340
				060	5	Campbell					17610
				095	5	Cupertino					29504
				142	5	Gilroy					43280
				145	5	Los Altos					44112
				158	4	Los Gatos					47766
				169	6	Milpitas					49278
				170	4	Morgan Hill					49670
				191	4	Mountain View					55282
				240	1	Palo Alto					68000
				252	4	San Jose					69084
				261	5	Santa Clara					70280
				276	3	Saratoga					77000
				999	9	Sunnyvale					99999
						Balance of county					
	044	254	1	035	6	Santa Cruz		087	3	7485	11040
				254	5	Capitola					69112
				297	5	Santa Cruz					83668
				999	9	Watsonville					99999
						Balance of county					
	045	229	1	212	4	Shasta		089	3	6690	59920
				999	9	Redding					99999
						Balance of county					
	046	000	2	999	9	Sierra		091	6	0000	
	047	000	2	999	9	Siskiyou		093	5	0000	
	048	290	1			Solano		095	2	8720	
				024	6	Benicia					05290
				070	6	Dixon					19402
				084	4	Fairfield					23182
				275	6	Suisun City					75630
				289	4	Vacaville					81554
				290	3	Vallejo					81666
				999	9	Balance of county					99999
	049	256	1			Sonoma		097	2	7500	
				197	5	Petaluma					56784
				222	5	Rohnert Park					62546
				259	3	Santa Rosa					70098
				999	9	Balance of county					99999
	050	185	1			Stanislaus		099	2	5170	
				040	5	Ceres					12524

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

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

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



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

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	Place
11						Georgia	13			
	044			016	6	De Kalb, con.		089	1	0520
				999	9	Dacula				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 Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	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 Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
12						Hawaii	15				
	001	000	2			Hawaii		001	3	0000	
				002	5	Hilo					14650
				999	9	Balance of county					99999
	002	125	1			Honolulu		003	1	3320	
				001	6	Ewa Beach					07450
				003	2	Honolulu					17000
				005	5	Kailua					23150
				006	5	Kaneohe					28250
				007	5	Mililani Town					51050
				008	5	Pearl City					62600
				009	6	Schofield Barracks					69050
				010	6	Wahiawa					72650
				012	5	Waipahu					79700
				999	9	Balance of county					99999
	003	000	2			Kalawao		005	6	0000	
	004	000	2			Kauai		007	4	0000	
	005	000	2			Maui		009	3	0000	
				004	6	Kahului					22700
				011	6	Wailuku					77450
				999	9	Balance of county					99999

Vital Statistics Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	Place
13						Idaho	16			
	001	036	1			Ada		001	3	1080
				001	3	Boise City				08830
				999	9	Balance of county				99999
	002	000	2			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			Bear Lake		007	6	0000
	005	000	2			Benewah		009	6	0000
	006	000	2			Bingham		011	5	0000
	007	000	2			Blaine		013	6	0000
	008	000	2			Boise		015	6	0000
	009	000	2			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			Boundary		021	6	0000
	012	000	2			Butte		023	6	0000
	013	000	2			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			Caribou		029	6	0000
	016	000	2			Cassia		031	6	0000
	017	000	2			Clark		033	6	0000
	018	000	2			Clearwater		035	6	0000
	019	000	2			Custer		037	6	0000
	020	000	2			Elmore		039	6	0000
	021	000	2			Franklin		041	6	0000
	022	000	2			Fremont		043	6	0000
	023	000	2			Gem		045	6	0000
	024	000	2			Gooding		047	6	0000
	025	000	2			Idaho		049	6	0000
	026	000	2			Jefferson		051	6	0000
	027	000	2			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			Lemhi		059	6	0000
	031	000	2			Lewis		061	6	0000
	032	000	2			Lincoln		063	6	0000
	033	000	2			Madison		065	6	0000
				009	6	Rexburg				67420
				999	9	Balance of county				99999
	034	000	2			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			Oneida		071	6	0000
	037	000	2			Owyhee		073	6	0000
	038	000	2			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			Shoshone		079	6	0000
	041	000	2			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			Valley		085	6	0000
	044	000	2			Washington		087	6	0000

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
22						Massachusetts	25				
	001	023	1			Barnstable		001	3	0743	
				008	5	Barnstable town					03635
				031	5	Falmouth town					23105
				999	9	Balance of county					99999
	002	218	1			Berkshire		003	3	6323	
				062	6	North Adams					46225
				067	5	Pittsfield					53960
				999	9	Balance of county					99999
	003	037	1			Bristol		005	1	1123	
				007	5	Attleboro					02690
				023	5	Dartmouth town					16425
				029	6	Fairhaven town					22130
				030	4	Fall River					23000
				059	4	New Bedford					45000
				064	5	North Attleborough town					46575
				077	6	Somerset town					62430
				083	5	Taunton					69170
				999	9	Balance of county					99999
	004	000	2			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 Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
	001	000	2	999	9	Alcona		001	6	0000	
	002	000	2	999	9	Alger		003	6	0000	
	003	112	1			Allegan		005	4	3000	
				051	5	Holland, part					38640
				999	9	Balance of county					99999
	004	000	2			Alpena		007	5	0000	
				004	6	Alpena					01740
				999	9	Balance of county					99999
	005	000	2	999	9	Antrim		009	6	0000	
	006	000	2	999	9	Arenac		011	6	0000	
	007	000	2	999	9	Baraga		013	6	0000	
	008	000	2	999	9	Barry		015	4	0000	
	009	240	1			Bay		017	3	6960	
				007	6	Bangor township					05120
				009	5	Bay City					06020
				064	5	Midland, part					53780
				999	9	Balance of county					99999
	010	000	2	999	9	Benzie		019	6	0000	
	011	027	1			Berrien		021	3	0870	
				010	6	Benton Harbor					07520
				071	6	Niles, part					57760
				999	9	Balance of county					99999
	012	000	2	999	9	Branch		023	5	0000	
	013	143	1			Calhoun		025	3	3720	
				002	6	Albion					00980
				008	4	Battle Creek					05920
				999	9	Balance of county					99999
	014	000	2			Cass		027	5	0000	
				071	6	Niles, part					57760
				999	9	Balance of county					99999
	015	000	2	999	9	Charlevoix		029	6	0000	
	016	000	2	999	9	Cheboygan		031	6	0000	
	017	000	2			Chippewa		033	5	0000	
				091	6	Sault Ste. Marie					71740
				999	9	Balance of county					99999
	018	000	2	999	9	Clare		035	6	0000	
	019	156	1	999	9	Clinton		037	4	4040	
	020	000	2	999	9	Crawford		039	6	0000	
	021	000	2			Delta		041	5	0000	
				030	6	Escanaba					26360
				999	9	Balance of county					99999
	022	000	2	999	9	Dickinson		043	5	0000	
	023	156	1			Eaton		045	4	4040	
				024	5	Delta township					21520
				057	3	Lansing, part					46000
				999	9	Balance of county					99999
	024	000	2	999	9	Emmet		047	5	0000	
	025	093	1			Genesee		049	2	2640	
				016	5	Burton					12060
				034	3	Flint					29000
				035	5	Flint township					29020
				039	5	Grand Blanc township					33300
				067	5	Mount Morris township					55980
				999	9	Balance of county					99999
	026	000	2	999	9	Gladwin		051	6	0000	
	027	000	2	999	9	Gogebic		053	6	0000	
	028	000	2			Grand Traverse		055	4	0000	
				098	6	Traverse City, part					80340
				999	9	Balance of county					99999
	029	000	2	999	9	Gratiot		057	5	0000	
	030	000	2	999	9	Hillsdale		059	5	0000	
	031	000	2	999	9	Houghton		061	5	0000	
	032	000	2	999	9	Huron		063	5	0000	
	033	156	1			Ingham		065	2	4040	
				028	4	East Lansing					24120
				057	3	Lansing, part					46000
				063	5	Meridian township					53140
				999	9	Balance of county					99999
	034	000	2	999	9	Ionia		067	4	0000	
	035	000	2	999	9	Iosco		069	5	0000	
	036	000	2	999	9	Iron		071	6	0000	
	037	000	2			Isabella		073	4	0000	
				068	6	Mount Pleasant					56020
				999	9	Balance of county					99999

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

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

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

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	001	000	2	999	9	Aitkin		001	6	0000	
	002	183	1			Anoka		003	3	5120	
				002	6	Andover					01486
				003	6	Anoka					01720
				007	5	Blaine, part					06382
				017	6	Columbia Heights					12700
				018	4	Coon Rapids					13114
				029	5	Fridley					22814
				055	6	Ramsey					53026
				999	9	Balance of county					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					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	027					Hennepin, con.		053	0	5120	
				024	5	Edina					18188
				030	6	Golden Valley					24308
				033	6	Hopkins					30140
				038	5	Maple Grove					40166
				041	2	Minneapolis					43000
				042	5	Minnetonka					43252
				046	6	New Hope					45628
				053	4	Plymouth					51730
				057	5	Richfield					54214
				058	6	Robbinsdale					54808
				062	5	St. Louis Park					57220
				999	9	Balance of county					99999
	028	150	1	999	9	Houston		055	6	3870	
	029	000	2	999	9	Hubbard		057	6	0000	
	030	183	1	999	9	Isanti		059	5	5120	
	031	000	2	999	9	Itasca		061	5	0000	
	032	000	2	999	9	Jackson		063	6	0000	
	033	000	2	999	9	Kanabec		065	6	0000	
	034	000	2	999	9	Kandiyohi		067	5	0000	
				071	6	Willmar					70420
				999	9	Balance of county					99999
	035	000	2	999	9	Kittson		069	6	0000	
	036	000	2	999	9	Koochiching		071	6	0000	
	037	000	2	999	9	Lac qui Parle		073	6	0000	
	038	000	2	999	9	Lake		075	6	0000	
	039	000	2	999	9	Lake of the Woods		077	6	0000	
	040	000	2	999	9	Le Sueur		079	6	0000	
	041	000	2	999	9	Lincoln		081	6	0000	
	042	000	2	999	9	Lyon		083	6	0000	
				040	6	Marshall					40688
				999	9	Balance of county					99999
	043	000	2	999	9	McLeod		085	5	0000	
				034	6	Hutchinson					30644
				999	9	Balance of county					99999
	044	000	2	999	9	Mahnomen		087	6	0000	
	045	000	2	999	9	Marshall		089	6	0000	
	046	000	2	999	9	Martin		091	6	0000	
				026	6	Fairmont					20330
				999	9	Balance of county					99999
	047	000	2	999	9	Meeker		093	6	0000	
	048	000	2	999	9	Mille Lacs		095	6	0000	
	049	000	2	999	9	Morrison		097	5	0000	
	050	000	2	999	9	Mower		099	5	0000	
				005	6	Austin					02908
				999	9	Balance of county					99999
	051	000	2	999	9	Murray		101	6	0000	
	052	000	2	999	9	Nicollet		103	5	0000	
				037	5	Mankato, part					39878
				049	6	North Mankato, part					47068
				999	9	Balance of county					99999
	053	000	2	999	9	Nobles		105	6	0000	
	054	000	2	999	9	Norman		107	6	0000	
	055	235	1	999	9	Olmsted		109	3	6820	
				059	4	Rochester					54880
				999	9	Balance of county					99999
	056	000	2	999	9	Otter Tail		111	4	0000	
				028	6	Fergus Falls					20906
				999	9	Balance of county					99999
	057	000	2	999	9	Pennington		113	6	0000	
	058	000	2	999	9	Pine		115	6	0000	
	059	000	2	999	9	Pipestone		117	6	0000	
	060	111	1	999	9	Polk		119	5	2985	
	061	000	2	999	9	Pope		121	6	0000	
	062	183	1	999	9	Ramsey		123	2	5120	
				007	5	Blaine, part					06382
				039	5	Maplewood					40382
				044	6	Mounds View					44530
				045	6	New Brighton					45430
				050	6	North St. Paul					47284
				060	5	Roseville					55852
				063	2	St. Paul					58000
				065	6	Shoreview					59998
				068	6	Vadnais Heights					66460

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	062					Ramsey, con.		123	2	5120	
				070	6	White Bear Lake, part					69970
				999	9	Balance of county					99999
	063	000	2	999	9	Red Lake		125	6	0000	
	064	000	2	999	9	Redwood		127	6	0000	
	065	000	2	999	9	Renville		129	6	0000	
	066	000	2			Rice		131	5	0000	
				027	6	Faribault					20546
				048	6	Northfield, part					46924
				999	9	Balance of county					99999
	067	000	2	999	9	Rock		133	6	0000	
	068	000	2	999	9	Roseau		135	6	0000	
	069	080	1			St. Louis		137	3	2240	
				021	4	Duluth					17000
				032	6	Hibbing					28790
				999	9	Balance of county					99999
	070	183	1			Scott		139	4	5120	
				054	6	Prior Lake					52594
				064	6	Shakopee					59350
				999	9	Balance of county					99999
	071	183	1			Sherburne		141	5	5120	
				025	6	Elk River					18674
				061	5	St. Cloud, part					56896
				999	9	Balance of county					99999
	072	000	2	999	9	Sibley		143	6	0000	
	073	241	1			Stearns		145	3	6980	
				061	5	St. Cloud, part					56896
				999	9	Balance of county					99999
	074	000	2			Steele		147	5	0000	
				052	6	Owatonna					49300
				999	9	Balance of county					99999
	075	000	2	999	9	Stevens		149	6	0000	
	076	000	2	999	9	Swift		151	6	0000	
	077	000	2	999	9	Todd		153	6	0000	
	078	000	2	999	9	Traverse		155	6	0000	
	079	000	2	999	9	Wabasha		157	6	0000	
	080	000	2	999	9	Wadena		159	6	0000	
	081	000	2	999	9	Waseca		161	6	0000	
	082	183	1			Washington		163	3	5120	
				019	6	Cottage Grove					13456
				031	6	Hastings, part					27530
				051	6	Oakdale					47680
				067	6	Stillwater					62824
				070	6	White Bear Lake, part					69970
				073	6	Woodbury					71428
				999	9	Balance of county					99999
	083	000	2	999	9	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 Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
	001	000	2			Adams		001	5	0000	
				023	6	Natchez					50440
				999	9	Balance of county					99999
	002	000	2			Alcorn		003	5	0000	
				009	6	Corinth					15700
				999	9	Balance of county					99999
	003	000	2			Amite		005	6	0000	
	004	000	2			Attala		007	6	0000	
	005	000	2			Benton		009	6	0000	
	006	000	2			Bolivar		011	5	0000	
				006	6	Cleveland					14260
				999	9	Balance of county					99999
	007	000	2			Calhoun		013	6	0000	
	008	000	2			Carroll		015	6	0000	
	009	000	2			Chickasaw		017	6	0000	
	010	000	2			Choctaw		019	6	0000	
	011	000	2			Claiborne		021	6	0000	
	012	000	2			Clarke		023	6	0000	
	013	000	2			Clay		025	6	0000	
	014	000	2			Coahoma		027	5	0000	
				005	6	Clarksdale					13820
				999	9	Balance of county					99999
	015	000	2			Copiah		029	5	0000	
	016	000	2			Covington		031	6	0000	
	017	178	1			De Soto		033	4	4920	
				030	6	Southaven					69280
				999	9	Balance of county					99999
	018	123	1			Forrest		035	4	3285	
				015	5	Hattiesburg, part					31020
				999	9	Balance of county					99999
	019	000	2			Franklin		037	6	0000	
	020	000	2			George		039	6	0000	
	021	000	2			Greene		041	6	0000	
	022	000	2			Grenada		043	6	0000	
				013	6	Grenada					29460
				999	9	Balance of county					99999
	023	030	1			Hancock		045	5	0920	
	024	030	1			Harrison		047	3	0920	
				001	5	Biloxi					06220
				014	5	Gulfport					29700
				019	6	Long Beach					41680
				999	9	Balance of county					99999
	025	133	1			Hinds		049	2	3560	
				007	6	Clinton					14420
				017	3	Jackson, part					36000
				999	9	Balance of county					99999
	026	000	2			Holmes		051	6	0000	
	027	000	2			Humphreys		053	6	0000	
	028	000	2			Issaquena		055	6	0000	
	029	000	2			Itawamba		057	6	0000	
	030	030	1			Jackson		059	3	0920	
				010	6	Gautier					26860
				022	6	Moss Point					49240
				024	6	Ocean Springs					53520
				026	5	Pascagoula					55360
				999	9	Balance of county					99999
	031	000	2			Jasper		061	6	0000	
	032	000	2			Jefferson		063	6	0000	
	033	000	2			Jefferson Davis		065	6	0000	
	034	000	2			Jones		067	4	0000	
				018	6	Laurel					39640
				999	9	Balance of county					99999
	035	000	2			Kemper		069	6	0000	
	036	000	2			Lafayette		071	5	0000	
				025	6	Oxford					54840
				999	9	Balance of county					99999
	037	123	1			Lamar		073	5	3285	
				015	5	Hattiesburg, part					31020
				999	9	Balance of county					99999
	038	000	2			Lauderdale		075	4	0000	
				021	5	Meridian					46640
				999	9	Balance of county					99999
	039	000	2			Lawrence		077	6	0000	
	040	000	2			Leake		079	6	0000	

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

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

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

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
	087					Ralls, con.		173	6	0000	
				999	9	Balance of county					99999
	088	000	2			Randolph		175	6	0000	
				038	6	Moberly					49034
				999	9	Balance of county					99999
	089	145	1			Ray		177	6	3760	
				015	6	Excelsior Springs, part					23086
				999	9	Balance of county					99999
	090	000	2			Reynolds		179	6	0000	
	091	000	2			Ripley		181	6	0000	
	092	243	1			St. Charles		183	3	7040	
				039	6	O'Fallon					54074
				046	4	St. Charles					64082
				049	5	St. Peters					65126
				999	9	Balance of county					99999
	093	000	2			St. Clair		185	6	0000	
	094	000	2			Ste. Genevieve		186	6	0000	
	095	000	2			St. Francois		187	5	0000	
				016	6	Farlington					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	
	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					Place
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	
27						Montana	30				
	001	000	2	999	9	Beaverhead		001	6	0000	
	002	000	2	999	9	Big Horn		003	6	0000	
	003	000	2	999	9	Blaine		005	6	0000	
	004	000	2	999	9	Broadwater		007	6	0000	
	005	000	2	999	9	Carbon		009	6	0000	
	006	000	2	999	9	Carter		011	6	0000	
	007	113	1			Cascade		013	4	3040	
				005	4	Great Falls					32800
				999	9	Balance of county					99999
	008	000	2	999	9	Chouteau		015	6	0000	
	009	000	2	999	9	Custer		017	6	0000	
	010	000	2	999	9	Daniels		019	6	0000	
	011	000	2	999	9	Dawson		021	6	0000	
	012	000	2	001	6	Deer Lodge, coext. with Anaconda-Deer Lo		023	6	0000	01675
	013	000	2	999	9	Fallon		025	6	0000	
	014	000	2	999	9	Fergus		027	6	0000	
	015	000	2			Flathead		029	4	0000	
				008	6	Kalispell					40075
				999	9	Balance of county					99999
	016	000	2			Gallatin		031	4	0000	
				003	6	Bozeman					08950
				999	9	Balance of county					99999
	017	000	2	999	9	Garfield		033	6	0000	
	018	000	2	999	9	Glacier		035	6	0000	
	019	000	2	999	9	Golden Valley		037	6	0000	
	020	000	2	999	9	Granite		039	6	0000	
	021	000	2			Hill		041	6	0000	
				006	6	Havre					35050
				999	9	Balance of county					99999
	022	000	2	999	9	Jefferson		043	6	0000	
	023	000	2	999	9	Judith Basin		045	6	0000	
	024	000	2	999	9	Lake		047	6	0000	
	025	000	2			Lewis and Clark		049	5	0000	
				007	6	Helena					35600
				999	9	Balance of county					99999
	026	000	2	999	9	Liberty		051	6	0000	
	027	000	2	999	9	Lincoln		053	6	0000	
	028	000	2	999	9	McCone		055	6	0000	
	029	000	2	999	9	Madison		057	6	0000	
	030	000	2	999	9	Meagher		059	6	0000	
	031	000	2	999	9	Mineral		061	6	0000	
	032	000	2			Missoula		063	4	0000	
				009	5	Missoula					50200
				999	9	Balance of county					99999
	033	000	2	999	9	Musselshell		065	6	0000	
	034	000	2	999	9	Park		067	6	0000	
	035	000	2	999	9	Petroleum		069	6	0000	
	036	000	2	999	9	Phillips		071	6	0000	
	037	000	2	999	9	Pondera		073	6	0000	
	038	000	2	999	9	Powder River		075	6	0000	
	039	000	2	999	9	Powell		077	6	0000	
	040	000	2	999	9	Prairie		079	6	0000	
	041	000	2	999	9	Ravalli		081	5	0000	
	042	000	2	999	9	Richland		083	6	0000	
	043	000	2	999	9	Roosevelt		085	6	0000	
	044	000	2	999	9	Rosebud		087	6	0000	
	045	000	2	999	9	Sanders		089	6	0000	
	046	000	2	999	9	Sheridan		091	6	0000	
	047	000	2			Silver Bow		093	5	0000	
				004	5	Butte-Silver Bow					11390
				999	9	Balance of county					99999
	048	000	2	999	9	Stillwater		095	6	0000	
	049	000	2	999	9	Sweet Grass		097	6	0000	
	050	000	2	999	9	Teton		099	6	0000	
	051	000	2	999	9	Toole		101	6	0000	
	052	000	2	999	9	Treasure		103	6	0000	
	053	000	2	999	9	Valley		105	6	0000	
	054	000	2	999	9	Wheatland		107	6	0000	
	055	000	2	999	9	Wibaux		109	6	0000	
	056	029	1			Yellowstone		111	3	0880	
				002	4	Billings					06550
				999	9	Balance of county					99999
	057	000	2	999	9	Yellowstone National Park		113	6	0000	



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

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
32						New Mexico	35				
	001	005	1			Bernalillo		001	2	0200	
				002	2	Albuquerque					02000
				999	9	Balance of county					99999
	002	000	2			Catron		003	6	0000	
	003	000	2			Chaves		005	4	0000	
				014	5	Roswell					64930
				999	9	Balance of county					99999
	004	000	2			Cibola		006	6	0000	
	005	000	2			Colfax		007	6	0000	
	006	000	2			Curry		009	5	0000	
				005	5	Clovis					16420
				999	9	Balance of county					99999
	007	000	2			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			Guadalupe		019	6	0000	
	012	000	2			Harding		021	6	0000	
	013	000	2			Hidalgo		023	6	0000	
	014	000	2			Lea		025	4	0000	
				009	5	Hobbs					32520
				999	9	Balance of county					99999
	015	000	2			Lincoln		027	6	0000	
	016	255	1			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			Mora		033	6	0000	
	020	000	2			Otero		035	4	0000	
				001	5	Alamogordo					01780
				999	9	Balance of county					99999
	021	000	2			Quay		037	6	0000	
	022	000	2			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			Sierra		051	6	0000	
	029	000	2			Socorro		053	6	0000	
	030	000	2			Taos		055	6	0000	
	031	000	2			Torrance		057	6	0000	
	032	000	2			Union		059	6	0000	
	033	005	1			Valencia		061	5	0200	



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

### **Puerto Rico:**

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

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

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

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

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

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

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

### **Virgin Islands:**

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

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

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

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

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

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

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

### **Guam:**

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

**County (Cnty):** None are identified in Guam

**P/MSA:** None are identified in Guam.

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

**City or Place:** None are identified in Guam.

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

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

### **American Samoa:**

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

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

**P/MSA:** None are identified in American Samoa.

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

**City or Place:** None are identified in American Samoa.

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

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

### **Northern Marianas:**

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

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

**P/MSA:** None are identified in Northern Marianas.

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

**City or Place:** None are identified in Northern Marianas.

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

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

Vital Statistics Geographic Code Outline For Puerto Rico,  
Virgin Islands and Guam Effective with 1998 Data

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

Vital Statistics Geographic Code Outline For Puerto Rico,  
Virgin Islands and Guam Effective with 1998 Data

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

Vital Statistics Geographic Code Outline For Puerto Rico,  
Virgin Islands and Guam Effective with 1998 Data

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



Vital Statistics Geographic Code Outline For Puerto Rico,  
Virgin Islands and Guam Effective with 1998 Data

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
	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	0062	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	
	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	00000
	002	000	2	999	St. John		020	0000	00000
	003	000	2		St. Thomas		030	0000	00000
			001		Charlotte Amalie				99999
			999		Balance of area				99999
54					Guam	66			
	000	000	2		Guam		010	0000	
			000		Guam				99999
					- 4 -				

Vital Statistics Geographic Code Outline For Puerto Rico,  
Virgin Islands and Guam Effective with 1998 Data

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
55	ZZZ	ZZZ	Z	ZZZ	Canada	00	000	0000	00000
56	ZZZ	ZZZ	Z	ZZZ	Cuba	00	000	0000	00000
57	ZZZ	ZZZ	Z	ZZZ	Mexico	00	000	0000	00000
59	ZZZ	ZZZ	Z	ZZZ	Remainder of World	00	000	0000	00000
61					American Samoa	60			
	000	000	2		American Samoa		000	0000	
				000	American Samoa				99999
62					Northern Marianas	69			
	000	000	2		Northern Marianas		000	0000	
				000	Northern Marianas				99999

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

United States  
Puerto Rico

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

United States  
Puerto Rico

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

United States  
Puerto Rico

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

United States  
Puerto Rico

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

United States  
Puerto Rico

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



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

United States  
Puerto Rico

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

United States  
Puerto Rico

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

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

United States  
Puerto Rico

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

United States  
Puerto Rico

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

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

United States  
Puerto Rico

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



United States  
Puerto Rico

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

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

Vital Statistics Codes			Puerto Rico		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, CT, NECMA	5483	
		001		Connecticut		09
		005		Fairfield		001
				New Haven		009
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

United States  
Puerto Rico

Vital Statistics Codes					FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components		P/MSA	State	Cnty
198	31		Newark, NJ, PMSA		5640	34	
		007	New Jersey				013
		014	Essex				027
		019	Morris				037
		020	Sussex				039
		021	Union				041
		021	Warren				
199	33		Newburgh, NY-PA, PMSA		5660	36	
		034	New York				071
	39		Orange			42	
		052	Pennsylvania				103
			Pike				
200	34		Norfolk-Virginia Beach-Newport News, VA-NC, MSA		5720	37	
		027	North Carolina				053
	47		Currituck			51	
			Virginia				
		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	06	
		001	California				001
		007	Alameda				013
			Contra Costa				
202	10		Ocala, FL, MSA		5790	12	
		042	Florida				083
			Marion				
203	44		Odessa-Midland, TX, MSA		5800	48	
		068	Texas				135
		165	Ector				329
			Midland				
204	37		Oklahoma City, OK, MSA		5880	40	
		009	Oklahoma				017
		014	Canadian				027
		042	Cleveland				083
		044	Logan				087
		055	McClain				109
		063	Oklahoma				125
			Pottawatomie				
205	48		Olympia, WA, PMSA		5910	53	
		034	Washington				067
			Thurston				
206	16		Omaha, NE-IA, MSA		5920	19	
		078	Iowa				155
	28		Pottawattamie			31	
			Nebraska				
		013	Cass				025
		028	Douglas				055
		077	Sarpy				153
		089	Washington				177
207	05		Orange County, CA, PMSA		5945	06	
		030	California				059
			Orange				

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
			Davies				
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				

United States  
Puerto Rico

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

United States  
Puerto Rico

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

United States  
Puerto Rico

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



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

Vital Statistics Codes				United States		FIPS Codes		
				Puerto Rico		P/MSA	State	Cnty
P/MSA	State	County	P/MSA Name and County Components					
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					

United States  
Puerto Rico

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

United States  
Puerto Rico

Vital Statistics Codes					FIPS	Codes
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
296			Washington, DC-MD-VA-WV, PMSA	8840		
	09		Dist. of Columbia		11	
		001	District of Columbia			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

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

United States  
Puerto Rico

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

**TECHNICAL APPENDIX FROM**

**VITAL STATISTICS OF  
THE UNITED STATES**

**2002**

**NATALITY**

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

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

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## Table of Contents

Introduction	1
Definition of Live Birth	1
History of Birth-Registration Area	1
Sources of Data	2
Natality statistics	2
Standard certificate of live birth	2
Classification of Data	2
Classification by occurrence and residence	3
Geographic classification	3
Race or national origin	4
Age of mother	5
Age of father	6
Live-birth order and parity	6
Educational attainment	7
Marital status	7
Place of delivery and attendant at birth	8
Birthweight	8
Period of gestation	9
Month of pregnancy prenatal care began	9
Number of prenatal visits	10
Apgar score	10
Tobacco and alcohol use during pregnancy	10

Weight gain during pregnancy	10
Medical risk factors for this pregnancy	10
Obstetric procedures	11
Complications of labor and/or delivery	11
Abnormal conditions of the newborn	11
Congenital anomalies of child	11
Method of delivery	12
Hispanic parentage	12
Quality of Data	12
Completeness of registration	12
Completeness of reporting	13
Quality control procedures	13
Random variation and significance testing for natality data	13
Computing confidence intervals for Hispanic subgroups	13
Significance testing for Hispanic subgroups	16
Computation of Rates and Other Measures	17
Population bases	17
Net census undercounts and overcounts	18
Cohort fertility tables	18
Total fertility rate	19
Seasonal adjustment of rates	19
Computation of percentages, percentage distributions, and medians	19
References	20

## Figure

4–A. U.S. Standard Certificate of Live Birth: 1989 Revision	24
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## Text Tables

A. Percentage of birth records on which specified items were not stated: United States and each State and territory, 2002	26
B. Births by place of occurrence and residence for births occurring in the 50 States, the District of Columbia, U.S. territories, and other countries, 2002	31
C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births, <i>B</i>	32
D. Sources for the resident population and population including Armed Forces abroad: Birth-and death-registration States, 1900–1932, and United States, 1900–2002	34
E. Percentage net undercount, by age, sex, and race/Hispanic origin: United States, April 1, 2000	35

## Population Tables

4–1. Population of birth-and death-registration States, 1900–1932, and United States, 1900–2002	36
4–2. Estimated total population by race and estimated female population by age and race: United States, 2003	37
4–3. 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, 2002	38
4–4. Estimated total population and female population aged 15–44 years: United States, each State, and territory, July 1, 2002	39

## **Introduction**

This report, published by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS), is an updated and abridged version of the "1999 Technical Appendix" and focuses on information for the 2002 data file (1). This "Appendix" is also included in "Vital Statistics of the United States, 2002, Volume I, Natality" (in preparation). Reference will be made to the "1999 Technical Appendix" for historical discussion of the variables, definitions, quality, and completeness of the birth data (2). This report supplements the "Technical Notes" section of "Births: Final data for 2002" (3) and is recommended for use with the public-use file for 2002 births, available on CD-ROM from NCHS, and the tabulated data of "Vital Statistics of the United States, 2002, Volume I, Natality."

## **Definition of Live Birth**

Every product of conception that gives a sign of life after birth, regardless of the length of the pregnancy, is considered a live birth. This concept is included in the definition set forth by the World Health Organization in 1950 and revised in 1988 by a working group formed by the American Academy of Pediatrics and the American College of Obstetricians and Gynecologists (4–6):

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 section on fetal deaths in the "Technical Appendix" of "Vital Statistics of the United States, Volume II"). In the interest of comparable natality statistics, both the Statistical Commission of the United Nations and NCHS have adopted this definition (7,8).

## **History of Birth-Registration Area**

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, and Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands (referred to as Northern Marianas). 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. Information on the history and development of the birth-registration area is available elsewhere (2).

## Sources of Data

### Nativity statistics

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

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 tabulation in this report. Data for Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Marianas are limited to births registered in these areas.

### Standard certificate of live birth

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

*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. Details of the nature and content of the 1989 revision are available elsewhere (2).

## 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, significant discrepancies may result from differences between the enumeration method of obtaining population data and the registration method of obtaining vital statistics data.

The general rules used to classify geographic and personal items for live births are set

forth in “Vital Statistics Classification and Coding Instructions for Live Birth Records, 1999–2001,” *NCHS Instruction Manual*, Part 3a (9). This material is incorporated in the basic file layout on the CD-ROM (1). The instruction materials are for States to use in coding the data items; they do not include any NCHS recodes. Therefore, the file layout is a better source of information on the code structure because it provides the exact codes and recodes that are available. Classification of certain important items is discussed in the following pages. Information on the completeness of reporting of birth certificate data is shown in [table A](#), which presents a listing of items and the percentage of records that were not stated for each State, Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Marianas.

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

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. Births to U.S. residents occurring outside this country are not included in tabulations by place of residence.

The total count of births for the United States by place of residence and by place of occurrence will not be identical. Births to nonresidents of the United States are included in data by place of occurrence but excluded from data by place of residence, as previously indicated. See [table B](#) for the number of births by residence and occurrence for the 50 States and the District of Columbia for 2002.

*Residence error*—A nationwide test of birth-registration completeness in 1950 provided measures of residence error for natality statistics. According to the 1950 test (which has not been repeated), 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 (10). Recent experience demonstrates that this is still a concern based on anecdotal evidence from the States. This tendency has assumed special importance because of a concomitant development—the increased utilization of hospitals in cities by residents of nearby places—with the result that a number of births are erroneously reported as having occurred to residents of urban areas. Another factor that contributes to this overstatement of urban births is the customary practice of using city addresses for persons living outside the city limits. Residence error should be taken into consideration in interpreting data for small areas and for cities. Both birth and infant mortality patterns can be affected.

*Incomplete residence*—Beginning in 1973 where only the State of residence is reported with no city or county specified and the State named is different from the State of occurrence, the birth is allocated to the largest city of the State of residence. Before 1973, such births were classified according 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 2002 is given in another manual, “Vital Records Geographic Classification, 1995,” *NCHS Instruction Manual*, Part 8, which is included with the documentation file on CD-ROM (1). The geographic code structure in 2002 is based on results of the 1990 Census of Population.

*United States*—In the statistical tabulations, “United States” refers only to the aggregate of the 50 States and the District of Columbia. Alaska has been included in the U.S. tabulations

since 1959 and Hawaii since 1960.

Details of the classification of births for metropolitan statistical areas, metropolitan and nonmetropolitan counties, and population size groups for cities and urban places are presented elsewhere (2).

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

### **Race or national origin**

Beginning with the 1989 data year, birth data are tabulated primarily by race of mother. Since 1989 the criteria for reporting the race of the parents has not changed and continues to reflect the response of the informant (usually the mother). Beginning with the 1992 issue of "Vital Statistics of the United States, Volume I, Natality," trend data for years beginning with 1980 have been retabulated by race of mother. The factors influencing the decision to tabulate births by race of the mother have been discussed in detail elsewhere (2,11). Information on tabulation procedures for data by race prior to 1989 is presented elsewhere (2). The change in the tabulation of births by race presents some problems when analyzing birth data by race, particularly trend data. The problem is likely to be acute for races other than white and black.

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

Since 1992 States with the largest Asian or Pacific Islander (API) populations have provided NCHS with data for additional API subgroups. The API subgroups include Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and other API women. In 2002, 11 States were included in this reporting area: California, Hawaii, Illinois, Minnesota, Missouri, New Jersey, New York, Texas, Virginia, Washington, and West Virginia. At least two-thirds of the U.S. population of each of these additional API groups lived in the 11-State reporting area (12). 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 (13).

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."

Hispanic origin and race are reported independently on the birth certificate. Data for Hispanic subgroups are shown in most cases for four specific groups: Mexican, Puerto Rican, Cuban, Central and South American; and an additional subgroup: "Other and unknown Hispanic." More specific Hispanic origin information for the "Other and unknown Hispanic" category is not available. 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. The category "White" comprises births reported as white and births where race, as distinguished from



Hispanic origin, is reported as Hispanic. 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 (98 percent in 2002). 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. A recode variable is available that provides cross tabulations of race by Hispanic origin.

*Race or national origin not stated*—If the race of the mother is not defined or not identifiable with one of the categories used in the classification (0.5 percent of births in 2002) and the race of the father is known, the race of the father is assigned to the mother. If information for both parents is missing, the race of the mother is allocated 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 0.3 percent of birth certificates for 2002. 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 “Vital Statistics of the United States, Volume I, 1963.” The percentage of records for which Hispanic origin of the parents was not reported in 2002 is shown by State in [table A](#).

### **Age of mother**

Beginning in 1989 a “Date of birth” item on the birth certificate replaced the “Age (at time of this birth)” item. Not all States revised this item, and, therefore, the age of mother either is derived from the reported month and year of birth or coded as stated on the certificate. In 2002 age of mother was reported directly by five States (Kentucky, Nevada, North Dakota, Virginia, and Wyoming) and American Samoa. From 1964 to 1996 age of mother was considered not stated and therefore imputed for ages under 10 years or 50 years and over. Beginning in 1997 age of mother was considered not stated and imputed for ages under 10 years or 55 years and over. The numbers of births to women aged 50–54 years are too small for computing age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

Age-specific birth rates are based on populations of women by age, prepared by the U.S. Census Bureau. 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. Census Bureau in *Current Population Reports*. The 2000 Census of Population derived age in completed years as of April 1, 2000, from responses to questions on age at last birthday and month and year of birth, with the latter given preference. In the 1960, 1970, 1980, and 1990 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 (14). More recently, reporting of maternal age on the birth certificate was compared with reporting of age in a survey of women who had recently given birth. Reporting of age was very consistent between the two sources (15).

*Median age of mother*—Median age is the value that divides an age distribution into two equal parts, one-half of the values being less and one-half being greater. Median ages of mothers

for 1960 to the present have been computed from birth rates for 5-year age groups rather than from birth frequencies. This method eliminates the effects of changes in the age composition of the childbearing population over time. Changes in the median ages from year to year can thus be attributed solely to changes in the age-specific birth rates. Trend data on the median age is shown in table 1–5 of “Vital Statistics of the United States, Volume 1, Natality” (at <http://www.cdc.gov/nchs/datawh/statab/unpubd/natality/natab99.htm>).

*Not stated date of birth of mother*– In 2002 age of mother was not reported on 0.01 percent of the records. Beginning in 1964 birth records with date of birth of mother and/or age of mother not stated have had age imputed according to the age of mother from the previous birth record of the same race and total-birth order (total of fetal deaths and live births). (See “Computer Edits for Natality Data, Effective 1993” *NCHS Instruction Manual*, Part 12, page 9) (16). Editing procedures for 1963 and earlier years are described elsewhere (2).

### **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 in the “Not stated” category in all tabulations by age of father. In computing birth rates by age of father, births tabulated as age of father not stated are distributed in the same proportions as births with known age within each 5-year-age classification of the mother. This procedure is followed because, while father’s age is missing in 13 percent of the birth certificates in 2002, 25 percent of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. Births with age of father not stated are distributed only for rates, not for frequency tabulations (3).

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

Live-birth order and parity classifications refer to the total number of live births the mother has had including the 2002 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.” Editing procedures for live birth order are summarized elsewhere (2,16).

*Not stated birth order*–All births tabulated in the “Not stated birth order” category are excluded from the computation of percentages. 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.

## **Educational attainment**

National data on educational attainment are currently available only for the mother (2). Beginning in 1995, NCHS ceased to collect information on the educational attainment of the father.

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

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

*Education not stated*—The “Not stated” category 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 percentages.

## **Marital status**

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

In the two States (Michigan and New York) which used inferential procedures to compile birth statistics by marital status in 2002, a birth is inferred as nonmarital if any of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of States have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment, therefore, is the most reliable indicator that the birth is nonmarital in the States not reporting this information directly; this is now the key indicator in the nonreporting States. Details of the changes in reporting procedures are described in previous reports (17,18).

The procedures for reporting marital status in California, Nevada, and New York City changed beginning January 1, 1997, and in Connecticut on June 15, 1998. The methods used to determine marital status and the impact of the procedures on the data were discussed in detail in a previous report (17).

The mother's marital status was not reported in 2002 on 0.03 percent of the birth records in the 48 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as married for these records.

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.

### **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. 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. Additional information on these items is presented elsewhere (2).

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. The "Not in hospital" category includes births for which no information is reported on place of birth.

In 2000 Illinois started collecting data on certified nurse-midwives (CNM) and making corrections for "Other midwife" and "Other" categories. Data for earlier years were incomplete for Illinois births. As a result, the number of CNMs has significantly increased while the number of "Other midwife" has sharply decreased compared to earlier years.

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

### **Birthweight**

In some areas birthweight is reported 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 *International Classification of Diseases, Ninth Revision* (ICD-9) and remain the same for the *International Classification of Diseases, Tenth Revision* (ICD-10) (5). 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

ICD–9 and ICD–10 define 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 *International Lists of Diseases and Causes of Death, Sixth Revision*.

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

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

### **Period of gestation**

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

Births occurring before 37 completed weeks of gestation are considered to be preterm or premature for purposes of classification. At 37–41 weeks gestation, births are considered to be term, and at 42 completed weeks and over, postterm. These distinctions are according to the ICD–9 and ICD–10 (5) 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 use of the clinical estimate in the 2002 data file is described in the “Technical Notes” of “Births: Final data for 2002” (3).

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. The imputation procedure and its effect on the data are described elsewhere (2,19).

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**

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

### **Apgar score**

The 1– and 5–minute Apgar scores were added to the U.S. Standard Certificate of Live Birth in 1978 to evaluate the condition of the newborn infant at 1 and 5 minutes after birth. The Apgar score is a useful measure of the need for resuscitation and a predictor of the infant's chances of surviving the first year of life. It is a summary measure of the infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these factors is given a score of 0, 1, or 2; the sum of these 5 values is the Apgar score, which ranges from 0 to 10. A score of 10 is optimum, and a low score raises some concerns about the potential survival and subsequent health of the infant. Beginning in 1995, NCHS collected information only on the 5–minute Apgar score. Since 1991, the reporting area for the 5–minute Apgar score has been comprised of 48 States and the District of Columbia, accounting for 77 percent of all births in the United States in 2002. California and Texas did not have information on Apgar scores on their birth certificates.

### **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. Procedures for determining the consistency between smoking and/or drinking status and the quantity of cigarettes or drinks reported are described elsewhere (2).

Information on smoking and drinking status was reported by 49 States and the District of Columbia (not available for California), accounting for 87 percent of U.S. births in 2002. Information on number of cigarettes smoked per day was reported in a consistent manner for 46 States, the District of Columbia, and New York City ([figure 4–A](#)). Indiana and New York State (except for New York City) reported this information but in a format that was inconsistent with NCHS standards. Information was not available for California and South Dakota. The areas reporting on the number of cigarettes smoked comprised 81 percent of U.S. births in 2002.

### **Weight gain 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 87 percent of all births in the United States in 2002.

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

An item on medical risk factors was included on the 1989 birth certificate, but 2 States did not report all of the 16 risk factors in 2002. Texas did not report genital herpes or uterine bleeding, and Kansas did not report Rh sensitization.

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

Definitions 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 are available elsewhere (3).

### **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 in 2002.

Definitions 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, are available elsewhere (3).

### **Complications of labor and/or delivery**

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

All States and the District of Columbia included this item on their birth certificates in 2002. However, Texas did not report anesthetic complications or fetal distress.

Definitions adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials are available elsewhere (3).

### **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 2002. However, four areas did not include all conditions. Nebraska and Texas did not report birth injury, New York City did not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more, and Wisconsin did not report fetal alcohol syndrome.

Definitions adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics are available elsewhere (3).

### **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 (20). The completeness of reporting specific anomalies depends on how easily they are recognized in the short time between birth and birth-registration. Forty-nine States and the District of Columbia included this item on their birth certificates (New Mexico did not). This reporting area included 99 percent of all births in the United States in 2002. The format allows for the identification of more than one anomaly including a choice of “None” should no anomalies be evident. The “Not stated” category includes birth records for which the item is not completed.

In 2002 Oklahoma’s rates for the “Other central nervous system anomalies” category may be overstated because of misreporting.

Definitions adapted and abbreviated from a set of definitions compiled by a committee of

Federal and State health statistics officials are available elsewhere (3).

### **Method of delivery**

The birth certificate contains a checkbox for method of delivery. 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 2002 this information was collected from the birth certificates of all States and the District of Columbia.

Several rates are computed for method of delivery. The overall cesarean section rate or total cesarean rate is computed as the proportion of all births that were delivered by cesarean section. The primary cesarean rate is a measure that relates the number of women having a primary cesarean birth to all women giving birth who have never had a cesarean delivery. The denominator for this rate is the sum of women with a vaginal birth excluding VBACs and women with a primary cesarean birth. The VBAC delivery rate 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 are computed for first births because the rates are computed based on 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. All 50 States and the District of Columbia reported Hispanic origin of the parents for 2002.

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 (0.6 percent in 2002) 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 2002 were registered; for white births registration was 99.5 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. (This test has not been conducted more recently.) 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 (21). Information on procedures for adjusting births for underregistration (for cohort fertility tables) is presented elsewhere (2).

### **Completeness of reporting**

Interpretation of these data must include evaluation of item completeness. The “Not stated” percentage is one measure of the quality of the data. Completeness of reporting varies among items and States. See [table A](#) for the percentage of birth records on which specified items were not stated. Data users should note that levels of incomplete or inaccurate reporting for some of the items are quite high in some States. The 2002 data for Alaska, the District of Columbia, and Washington are of particular concern.

### **Quality control procedures**

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

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

A detailed discussion of random variation and significance testing for natality data is presented in the “Technical Notes” of “Births: Final data for 2002” (3). This section presents information specifically for Hispanic subgroups.

### **Computing confidence intervals for Hispanic subgroups**

Birth and fertility rates for Mexicans, Puerto Ricans, Cubans, and “Other” Hispanics for 2002 are shown in tables 6, 8, 9, and 14 in “Births: Final data for 2002” (3) and in tables 1–4 and 1–12 of “Vital Statistics of the United States, Part 1, Natality.” Population estimates for Hispanic subgroups are derived from the U.S. Census Bureau’s *Current Population Survey* (CPS) and

adjusted to resident population control totals as shown in [table 4–3](#). As a result, the rates are subject to the variability of the denominator as well as the numerator. For these Hispanic subgroups only (not for all origin, total Hispanic, total non-Hispanic, non-Hispanic white, or non-Hispanic black populations), the following formulas are used:

***Approximate 95-percent confidence interval: 100 or more births***

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

For crude and age–specific birth rates,

$$\text{Lower limit} = R - 1.96 * R * \sqrt{\left(\frac{1}{B}\right) + f\left(a + \frac{b}{P}\right)}$$

$$\text{Upper limit} = R + 1.96 * R * \sqrt{\left(\frac{1}{B}\right) + f\left(a + \frac{b}{P}\right)}$$

where:

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

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

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

$a$  and  $b$  are single year averages of the 2001 and 2002 CPS standard error parameters (22, 23)

$a$  = -0.000200

$b$  = 3,809

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

***Example***

Suppose that the fertility rate of Cuban women 15–44 years of age was 51.2 per 1,000 based on 13,088 births in the numerator and an estimated resident population of 255,399 in the denominator. The 95-percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= 51.2 - 1.96 * 51.2 * \sqrt{\left(\frac{1}{13,088}\right) + 0.670 * \left[-0.000200 + \left(\frac{3,809}{255,399}\right)\right]} \\ &= 51.2 - 1.96 * 51.2 * \sqrt{0.000076406 + (0.670 * 0.0147139)} \\ &= 51.2 - 1.96 * 51.2 * \sqrt{0.0099347} \\ &= 51.2 - 1.96 * 51.2 * 0.099673 \\ &= 41.20 \end{aligned}$$

$$\begin{aligned}
\text{Upper limit} &= 51.2 + 1.96 * 51.2 * \sqrt{\left(\frac{1}{13,088}\right) + 0.670 * \left[-0.000200 + \left(\frac{3,809}{255,399}\right)\right]} \\
&= 51.2 + 1.96 * 51.2 * \sqrt{0.000076406 + (0.670 * 0.0147139)} \\
&= 51.2 + 1.96 * 51.2 * \sqrt{0.0099347} \\
&= 51.2 + 1.96 * 51.2 * 0.1099673 \\
&= 61.20
\end{aligned}$$

This means that the chances are 95 out of 100 that the actual fertility rate of Cuban women 15–44 years of age is between 41.20 and 61.20.

### ***Approximate 95-percent confidence interval: 1–99 births***

When the number of events in the numerator is less than 20, an asterisk is shown in place of the rate. When the number of events in the numerator is greater than 20 but less than 100, the confidence interval for the birth rate can be estimated using the formulas that follow and the values in [table C](#).

For crude and age-specific birth rates,

$$\begin{aligned}
\text{Lower limit} &= R * L(1 - \alpha = .96, B) * \left(1 - 2.576 \sqrt{f \left(a + \frac{b}{P}\right)}\right) \\
\text{Upper limit} &= R * U(1 - \alpha = .96, B) * \left(1 + 2.576 \sqrt{f \left(a + \frac{b}{P}\right)}\right)
\end{aligned}$$

where:

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

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

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

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

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

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

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

### ***Example***

Suppose that the birth rate of Puerto Rican women 45–49 years of age was 0.4 per 1,000, based on 35 births in the numerator and an estimated resident population of 87,892 in the denominator. Using [table C](#), the 95-percent confidence interval would be:

$$\begin{aligned}
\text{Lower limit} &= 0.4 * 0.68419 * \left( 1 - 2.576 \sqrt{0.670 \left( -0.000200 + \left( \frac{3,809}{87,892} \right) \right)} \right) \\
&= 0.4 * 0.68419 * \left( 1 - 2.576 \sqrt{0.289020} \right) \\
&= 0.4 * 0.68419 * (1 - 2.576 * 0.170006) \\
&= 0.4 * 0.68419 * 0.562065 \\
&= 0.2
\end{aligned}$$

$$\begin{aligned}
\text{Upper limit} &= 0.4 * 1.41047 * \left( 1 + 2.576 \sqrt{0.670 \left( -0.000200 + \left( \frac{3,809}{87,892} \right) \right)} \right) \\
&= 0.4 * 1.41047 * \left( 1 + 2.576 \sqrt{0.289020} \right) \\
&= 0.4 * 1.41047 * (1 + 2.576 * 0.170006) \\
&= 0.4 * 1.41047 * 1.437935 \\
&= 0.8
\end{aligned}$$

This means that the chances are 95 out of 100 that the actual birth rate of Puerto Rican women 45–49 years of age lies between 0.2 and 0.8.

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

### Significance testing for Hispanic subgroups

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

$$= 1.96 * \sqrt{R_1^2 * \left[ \left( \frac{1}{B_1} \right) + f \left( a + \frac{b}{P_1} \right) \right] + R_2^2 * \left[ \left( \frac{1}{B_2} \right) + f \left( a + \frac{b}{P_2} \right) \right]}$$

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

### Example

Suppose the birth rate for Mexican mothers 15–19 years of age ( $R_1$ ) is 94.5, based on 97,744 births and an estimated population of 1,033,878, and the birth rate for Puerto Rican mothers 15–19 years of age ( $R_2$ ) is 61.4, based on 10,006 births and an estimated population of 162,899.

Using the above formula, the z score is computed as follows:

$$\begin{aligned}
 &= 1.96 * \sqrt{94.5^2 * \left[ \left( \frac{1}{97,744} \right) + 0.670 \left( -0.0002000 + \frac{3,809}{1,033,878} \right) \right] + 61.4^2 * \left[ \left( \frac{1}{10,006} \right) + 0.670 \left( -0.000200 + \frac{3,809}{162,899} \right) \right]} \\
 &= 1.96 * \sqrt{8930.25 * (0.000010231 + 0.670 * 0.003484) + 3769.96 * (0.00009994 + 0.670 * 0.023183)} \\
 &= 1.96 * \sqrt{(8930.25 * 0.0023445) + (3769.96 * 0.0156326)} \\
 &= 1.96 * \sqrt{20.94 + 58.93} \\
 &= 1.96 * 8.94 \\
 &= 17.52
 \end{aligned}$$

Since the difference between the two rates of 33.1 is greater than the value above, the two rates are statistically significantly different at the 0.05 level of significance.

## Computation of Rates and Other Measures

### Population bases

The rates shown in this report were computed based on population statistics prepared by the U.S. Census Bureau. Rates for 1940, 1950, 1960, 1970, 1980, 1990, and 2000 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. These populations have been modified to be consistent with Office of Management and Budget (OMB) racial categories and historical categories for birth data and, in the case of age, to reflect age as of the census reference date (24).

An asterisk (\*) is shown in place of any derived rate based on fewer than 20 births in the numerator, or a population denominator of less than 50 (unweighted) for decennial years and 75,000 (weighted) for all other years for the Hispanic subgroups. Rates based on populations below these minimum levels lack sufficient reliability for analytic purposes.

Populations in [tables 4–1](#) through [4–4](#) differ from those used to calculate birth and fertility rates published in “Births: Final data for 2001” and “Births: Final data for 2000” (3,25). Rates in these publications were based on postcensal population estimates based on the 1990 census. Populations for April 1, 2000, and July 1, 2001, provided in this report were produced under a collaborative arrangement with the U.S. Census Bureau (26–28) and are based on the 2000 census counts by age, race, and sex, which were modified to be consistent with OMB racial categories of 1977 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 elsewhere (24, 29–30).

Reflecting the new guidelines issued in 1997 by the OMB, the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members (31). The 1997 OMB guidelines also provided for the reporting of Asian persons separately from Native Hawaiians or other Pacific Islanders. Under the prior OMB standards (issued in 1977), data for Asian or Pacific Islander persons were collected as a single group (32). Birth certificates currently collect only one race for the mother and father in the same categories as specified in the 1977 guidelines, (that is, the certificates do not report Asians separately from

Native Hawaiians or other Pacific Islanders). Birth data by race (the numerators for birth rates) are thus currently incompatible with the population data collected in the 2000 census (denominators by race).

To produce birth rates for 2000–2002 and revised intercensal rates for 1991–99, it was necessary to bridge the reported population data for multiple-race persons back to single-race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB race categories, that is, to report the data for Asian persons and Native Hawaiians or Other Pacific Islanders as a combined category, Asian or Pacific Islanders (24). The procedures used to produce the bridged populations are described elsewhere (29,30).

It is anticipated that bridged population data will be used over the next few years for computing population-based rates. Beginning with births occurring in 2003, several States began reporting multiple race data. Once all State birth certificates are revised to be compliant with the 1997 OMB standard, the use of bridged populations can be discontinued.

The special report “Revised Birth and Fertility Rates for the United States, 2000 and 2001” (33) updates the rates published in “Births: Final data for 2001” and “Births: Final data for 2000” (3,25). The revised birth and fertility rates in the special report include rates by race and Hispanic origin, by age of mother, and by age of father for 2000 and 2001. Rates for unmarried women are also presented. A subsequent special report shows revised birth and fertility rates, including rates by marital status for the United States, and rates by age of mother by State, for the intercensal years, 1991–99, along with the rates for 2000 and 2001 (34). Additional information on the revised populations is available at:

<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>

Birth rates for the United States, individual States, and metropolitan areas are based on the total resident populations of the respective areas (table 4–4). 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 1900–2002 is shown in table 4–1. In addition, the population including Armed Forces abroad is shown for the United States. Table D shows the sources for these populations. A detailed discussion of historical population bases is presented elsewhere (2).

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

Studies conducted by the U.S. Census Bureau indicate that some age, race, and sex groups are more completely enumerated than others. These census miscounts can have consequences for vital statistics measures. For example, an adjustment to increase the population denominator would result in a smaller rate compared to the unadjusted rate. A more detailed discussion of census undercounts and overcounts can be found in the “1999 Technical Appendix” (2). Adjusted rates for 2000 can be computed by multiplying the reported rates by ratios of the 2000 census-level population adjusted for the estimated net census miscounts, which are shown in table E.

### **Cohort fertility tables**

The various fertility measures shown for cohorts of women are computed from births adjusted for underregistration and population estimates corrected for under enumeration and misstatement of age. Data published after 1974 use revised population estimates prepared by the U.S. Census Bureau 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 (35). Tables for the most currently-available years are available at <http://www.cdc.gov/nchs/dataawh/statab/unpubd/natality/natab99.htm>.

**Parity distribution**—The percentage distribution of women by parity (number of children ever born alive to mother) is derived from cumulative birth rates by order of birth. The percentage of 0-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 percentage of women at seventh and higher parities is found by dividing the cumulative rate for seventh-order births by 10.

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

### **Total fertility rate**

The total fertility rate is the sum of the birth rates by age of mother (in 5-year age groups) multiplied by 5. It is an age-adjusted rate because it is based on the assumption that there are the same number of women in each age group. The rate of 2,013 in 2002, 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 2002, they would have a total of 2,013 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.

### **Seasonal adjustment of rates**

The seasonally adjusted birth and fertility rates are computed from the X-11 variant of Census Method II (36). This method, 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.

### **Computations of percentages, percentage 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 percentages, percentage distributions, and medians were computed. The percentage of records with missing information for each item is shown by State in [table A](#). The median number of prenatal visits also excludes births to mothers who had no prenatal care. Computations of the median years of school completed and the median number of prenatal visits were based on ungrouped data. The median age of mother is computed from birth rates in 5-year age groups, which eliminates the effects of changes in the age composition of the childbearing population over time. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.



## References

1. National Center for Health Statistics. Natality public-use tape and CD-ROM. Hyattsville, Maryland: National Center for Health Statistics. Annual products. 2002.
2. National Center for Health Statistics. Technical appendix from vital statistics of the United States: 1999, Natality. Hyattsville, Maryland. 2001. Available on the Internet at [www.cdc.gov/nchs/data/techap99.pdf](http://www.cdc.gov/nchs/data/techap99.pdf)
3. Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Munson ML. Births: Final data for 2002. National vital statistics reports; vol 52 no 10. Hyattsville, Maryland: National Center for Health Statistics. 2003.
4. Department of Health and Human Services. Model State Vital Statistics Act and Regulations, 1992 Revision. Publication no. (PHS) 94-1115.
5. World Health Organization. Manual of the international statistical classification of diseases, injuries, and causes of death, based on the recommendations of the Tenth Revision Conference, 1987. Geneva: World Health Organization. 1992.
6. American College of Obstetricians and Gynecologists. Guidelines for perinatal care, ed. 2, Washington, DC. 308-24. 1988.
7. Kowaleski J. State definitions and reporting requirements for live births, fetal deaths, and induced terminations of pregnancy (1997 revision). Hyattsville, Maryland: National Center for Health Statistics. 1997.
8. Statistical Office of the United Nations. Handbook of vital statistics systems and methods/Department of International Economic and Social Affairs. Studies in methods. Series F, no. 35, ST/ESA/STAT/SER.F35. New York: United Nations. 1985.
9. Division of Vital Statistics. Instruction manual part 3a: Classification and coding instructions for birth records, 1999. Hyattsville, Maryland: National Center for Health Statistics. Available on the Internet at [www.cdc.gov/nchs/data/dvs/3amanual.pdf](http://www.cdc.gov/nchs/data/dvs/3amanual.pdf)
10. U.S. Department of Health, Education and Welfare, Public Health Service, Office of Vital Statistics. Birth registration completeness in the United States and geographic areas, 1950; vol 39 no 2. 1954.
11. Ventura SJ, Martin JA, Taffel SM, et al. Advance report of final natality statistics, 1992. Monthly vital statistics report; vol 43 no 5 supp. Hyattsville, Maryland: National Center for Health Statistics. 1994. Available on the Internet at [www.cdc.gov/nchs/data/mvsr/supp/mv43\\_05s.pdf](http://www.cdc.gov/nchs/data/mvsr/supp/mv43_05s.pdf)



12. U.S. Census Bureau. Census 2000 summary file (SF1) 100-percent data. Table DP-1. Profile of general demographic characteristics: 2000. Washington, D.C.: U.S. Census Bureau. Available at: <http://factfinder.census.gov>
13. 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. Available on the Internet at [www.cdc.gov/nchs/data/mvsr/supp/mv43\\_10s.pdf](http://www.cdc.gov/nchs/data/mvsr/supp/mv43_10s.pdf)
14. Schachter J. Matched record comparison of birth certificate and census information in the United States, 1950. Vital statistics—Special Reports; vol 47 no 12. Washington: Public Health Service. 1962.
15. Schoendorf KC, Parker JD, Batkhan LZ, Kiely JL. Comparability of the birth certificate and 1988 maternal and infant health survey. Vital and health statistics reports: series 2 no 116. Hyattsville, Maryland: National Center for Health Statistics. 1993.
16. Division of Vital Statistics. Instruction manual part 12: Computer edits for natality data, effective 1993. Hyattsville, Maryland: National Center for Health Statistics. 1995. Available on the Internet at [www.cdc.gov/nchs/data/dvs/instr12.pdf](http://www.cdc.gov/nchs/data/dvs/instr12.pdf)
17. Ventura SJ, Bachrach CA. Nonmarital childbearing in the United States, 1940–99. National vital statistics reports; vol 48 no 16. Hyattsville, Maryland: National Center for Health Statistics. 2000. Available on the Internet at [www.cdc.gov/nchs/data/nvsr/nvsr48/nvs48\\_16.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr48/nvs48_16.pdf)
18. Ventura SJ. Births to unmarried mothers: United States, 1980–92. National Center for Health Statistics. Vital Health Stat 21(53). 1995.
19. 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.
20. Watkins ML, Edmonds L, McClearn A, et al. The surveillance of birth defects: The usefulness of the revised U.S. standard birth certificate. Am J Public Health 86(5):731–4. 1996.
21. 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.
22. U.S. Census Bureau. Money income in the United States: 2001 (with separate data on valuation of noncash benefits). Current population reports, consumer income. Series P60–218. Washington: U.S. Government Printing Office. 2002.

23. U.S. Census Bureau. Income in the United States: 2002 (with separate data on valuation of noncash benefits). Current population reports, consumer income. Series P60–221. Washington: U.S. Government Printing Office. 2003.
24. 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.
25. Martin JA, Hamilton BE, Ventura SJ, Menacker F, Park MM. Births: Final data for 2000. National vital statistics reports; vol 50 no 5. Hyattsville, Maryland: National Center for Health Statistics. 2002.
26. National Center for Health Statistics. Unpublished estimates of the April 1, 2000, United States population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. 2002.
27. National Center for Health Statistics. Unpublished estimates of the July 1, 2001, United States population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. 2002.
28. National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2002, by year, State and county, age, bridged race, sex, and Hispanic origin. File pcen V2002.zip (zipped) or pcen v2002.txt (ASCII). Released August 1, 2003. Available on the Internet at at:  
[www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm](http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm)
29. Ingram DD, Parker JD, Schenker N, Weed JA, Hamilton B, Arias E, Madans JH. United States census 2000 with bridged race categories. National Center for Health Statistics. Vital Health Stat 2 (135). 2003.
30. Schenker N, Parker JD. From single-race reporting to multiple-race reporting: Using imputation methods to bridge the transition. *Statistics in Medicine*. 22: 1572–87. 2003.
31. Office of Management and Budget. Revisions to the standards for the classification of Federal data on race and ethnicity. Federal Register 62FR58781–58790. October 30, 1997. Available on the Internet at: <http://www.whitehouse.gov/omb/fedreg/ombdir15.html>
32. Office of Management and Budget. Race and ethnic standards for Federal statistics and administrative reporting. Statistical Policy Directive 15. 1977.
33. Ventura SJ, Hamilton BE, Sutton PD. Revised birth and fertility rates for the United States, 2000 and 2001. National vital statistics reports; vol 51 no 4. Hyattsville, Maryland: National Center for Health Statistics. 2003.

34. Hamilton BE, Sutton PD, Ventura SJ. Revised birth and fertility rates for the 1990s and new rates for Hispanic populations, 2000 and 2001. National vital statistics reports; vol 51 no 12. Hyattsville, Maryland: National Center for Health Statistics. 2003.
35. Heuser R. Fertility tables for birth cohorts by color: United States, 1917–73. Washington: National Center for Health Statistics. 1976. Available on the Internet at <http://www.cdc.gov/nchs/data/misc/fertiltbacc.pdf> and on CD from the National Center for Health Statistics.
36. 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.

Figure 4—A. U.S. Standard Certificate of Live Birth: 1989 Revision

TYPE/PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK		U.S. STANDARD CERTIFICATE OF LIVE BIRTH			BIRTH NUMBER	
		LOCAL FILE NUMBER				
<b>CHILD</b>	1. CHILD'S NAME (First,Middle,Last)			2. DATE OF BIRTH (Month,Day,Year)		3. TIME OF BIRTH M
	4. SEX	5. CITY, TOWN, OR LOCATION OF BIRTH			6. COUNTY OF BIRTH	
	7. PLACE OF BIRTH: <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Residence <input type="checkbox"/> Other (Specify) _____			8. FACILITY NAME (If not institution, give street and number)		
<b>CERTIFIER/ ATTENDANT</b>	9. I certify that this child was born alive at the place and time and on the date stated.  Signature ▶		10. DATE SIGNED (Month,Day,Year)	11. ATTENDANT'S NAME AND TITLE (If other than certifier) (Type/Print) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____		
	12. CERTIFIER'S NAME AND TITLE (Type/Print) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hospital Admin. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____			13. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)		
	14. REGISTRAR'S SIGNATURE ▶			15. DATE FILED BY REGISTRAR (Month,Day,Year)		
<b>MOTHER</b>	16a. MOTHER'S NAME (First,Middle,Last)			16b. MAIDEN SURNAME		17. DATE OF BIRTH (Month,Day,Year)
	18. BIRTHPLACE (State or Foreign Country)	19a. RESIDENCE—STATE		19b. COUNTY	19c. CITY, TOWN, OR LOCATION	
	19d. STREET AND NUMBER		19e. INSIDE CITY LIMITS? (Yes or no)		20. MOTHER'S MAILING ADDRESS (If same as residence, enter Zip Code only)	
<b>FATHER</b>	21. FATHER'S NAME (First,Middle,Last)			22. DATE OF BIRTH (Month,Day,Year)	23. BIRTHPLACE (State or Foreign Country)	
<b>INFORMANT</b>	24. I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief. Signature of Parent or Other Informant ▶					

Figure 4—A. U.S. Standard Certificate of Live Birth: 1989 Revision - Con.

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

<b>25. OF HISPANIC ORIGIN?</b> (Specify No or Yes—if yes, specify Cuban, Mexican, Puerto Rican, etc.)  <b>25a.</b> <input type="checkbox"/> No <input type="checkbox"/> Yes Specify: _____  <b>25b.</b> <input type="checkbox"/> No <input type="checkbox"/> Yes Specify: _____		<b>26. RACE—</b> American Indian, Black, White, etc. (Specify below)  <b>26a.</b> _____  <b>26b.</b> _____		<b>27. EDUCATION</b> (Specify only highest grade completed) Elementary/Secondary (0-12)   College (1-4 or 5+)  <b>27a.</b> _____  <b>27b.</b> _____				
<b>28. PREGNANCY HISTORY</b> (Complete each section) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; vertical-align: top;"> <b>LIVE BIRTHS</b> (Do not include this child)   <b>28a.</b> Now Living Number _____   <input type="checkbox"/> None           </td> <td style="width:33%; vertical-align: top;"> <b>28b.</b> Now Dead Number _____   <input type="checkbox"/> None           </td> <td style="width:33%; vertical-align: top;"> <b>28d.</b> _____   <input type="checkbox"/> None           </td> </tr> </table>		<b>LIVE BIRTHS</b> (Do not include this child)  <b>28a.</b> Now Living Number _____  <input type="checkbox"/> None	<b>28b.</b> Now Dead Number _____  <input type="checkbox"/> None	<b>28d.</b> _____  <input type="checkbox"/> None	<b>29. MOTHER MARRIED?</b> (At birth, conception, or any time between) (Yes or no)  <b>31. MONTH OF PREGNANCY PRENATAL CARE</b> BEGAN—First, Second, Third, etc. (Specify)  <b>33. BIRTH WEIGHT</b> (Specify unit)  <b>35a. PLURALITY</b> —Single, Twin, Triplet, etc. (Specify)		<b>30. DATE LAST NORMAL MENSES BEGAN</b> (Month, Day, Year)  <b>32. PRENATAL VISITS</b> —Total Number (If none, so state)  <b>34. CLINICAL ESTIMATE OF GESTATION</b> (Weeks)  <b>35b. IF NOT SINGLE BIRTH</b> —Born First, Second, Third, etc. (Specify)	
<b>LIVE BIRTHS</b> (Do not include this child)  <b>28a.</b> Now Living Number _____  <input type="checkbox"/> None	<b>28b.</b> Now Dead Number _____  <input type="checkbox"/> None	<b>28d.</b> _____  <input type="checkbox"/> None						
<b>28c. DATE OF LAST LIVE BIRTH</b> (Month, Year)  <b>28e. DATE OF LAST OTHER TERMINATION</b> (Month, Year)								
<b>36. APGAR SCORE</b> <b>36a.</b> 1 Minute  <b>36b.</b> 5 Minutes		<b>37a. MOTHER TRANSFERRED PRIOR TO DELIVERY?</b> <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred from: _____  <b>37b. INFANT TRANSFERRED?</b> <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred to: _____						
<b>38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY</b> (Check all that apply) Anemia (Hct. <30/Hgb. <10) ..... 01 <input type="checkbox"/> Cardiac disease ..... 02 <input type="checkbox"/> Acute or chronic lung disease ..... 03 <input type="checkbox"/> Diabetes ..... 04 <input type="checkbox"/> Genital herpes ..... 05 <input type="checkbox"/> Hydramnios/Oligohydramnios ..... 06 <input type="checkbox"/> Hemoglobinopathy ..... 07 <input type="checkbox"/> Hypertension, chronic ..... 08 <input type="checkbox"/> Hypertension, pregnancy-associated ..... 09 <input type="checkbox"/> Eclampsia ..... 10 <input type="checkbox"/> Incompetent cervix ..... 11 <input type="checkbox"/> Previous infant 4000+ grams ..... 12 <input type="checkbox"/> Previous preterm or small-for-gestational-age infant ..... 13 <input type="checkbox"/> Renal disease ..... 14 <input type="checkbox"/> Rh sensitization ..... 15 <input type="checkbox"/> Uterine bleeding ..... 16 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 17 <input type="checkbox"/> (Specify) _____		<b>40. COMPLICATIONS OF LABOR AND/OR DELIVERY</b> (Check all that apply) Febrile (>100°F. or 38°C.) ..... 01 <input type="checkbox"/> Meconium, moderate/heavy ..... 02 <input type="checkbox"/> Premature rupture of membrane (>12 hours) ..... 03 <input type="checkbox"/> Abruptio placenta ..... 04 <input type="checkbox"/> Placenta previa ..... 05 <input type="checkbox"/> Other excessive bleeding ..... 06 <input type="checkbox"/> Seizures during labor ..... 07 <input type="checkbox"/> Precipitous labor (<3 hours) ..... 08 <input type="checkbox"/> Prolonged labor (>20 hours) ..... 09 <input type="checkbox"/> Dysfunctional labor ..... 10 <input type="checkbox"/> Breech/Malpresentation ..... 11 <input type="checkbox"/> Cephalopelvic disproportion ..... 12 <input type="checkbox"/> Cord prolapse ..... 13 <input type="checkbox"/> Anesthetic complications ..... 14 <input type="checkbox"/> Fetal distress ..... 15 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 16 <input type="checkbox"/> (Specify) _____		<b>43. CONGENITAL ANOMALIES OF CHILD</b> (Check all that apply) Anencephalus ..... 01 <input type="checkbox"/> Spina bifida/Meningocele ..... 02 <input type="checkbox"/> Hydrocephalus ..... 03 <input type="checkbox"/> Microcephalus ..... 04 <input type="checkbox"/> Other central nervous system anomalies (Specify) ..... 05 <input type="checkbox"/> Heart malformations ..... 06 <input type="checkbox"/> Other circulatory/respiratory anomalies (Specify) ..... 07 <input type="checkbox"/> Rectal atresia/stenosis ..... 08 <input type="checkbox"/> Tracheo-esophageal fistula/ Esophageal atresia ..... 09 <input type="checkbox"/> Omphalocele/ Gastroschisis ..... 10 <input type="checkbox"/> Other gastrointestinal anomalies (Specify) ..... 11 <input type="checkbox"/> Malformed genitalia ..... 12 <input type="checkbox"/> Renal agenesis ..... 13 <input type="checkbox"/> Other urogenital anomalies (Specify) ..... 14 <input type="checkbox"/> Cleft lip/palate ..... 15 <input type="checkbox"/> Polydactyly/Syndactyly/Adactyly ..... 16 <input type="checkbox"/> Club foot ..... 17 <input type="checkbox"/> Diaphragmatic hernia ..... 18 <input type="checkbox"/> Other musculoskeletal/integumental anomalies (Specify) ..... 19 <input type="checkbox"/> Down's syndrome ..... 20 <input type="checkbox"/> Other chromosomal anomalies (Specify) ..... 21 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 22 <input type="checkbox"/> (Specify) _____				
<b>38b. OTHER RISK FACTORS FOR THIS PREGNANCY</b> (Complete all items) Tobacco use during pregnancy ..... Yes <input type="checkbox"/> No <input type="checkbox"/> Average number cigarettes per day ..... Alcohol use during pregnancy ..... Yes <input type="checkbox"/> No <input type="checkbox"/> Average number drinks per week ..... Weight gained during pregnancy: ..... lbs.		<b>41. METHOD OF DELIVERY</b> (Check all that apply) Vaginal ..... 01 <input type="checkbox"/> Vaginal birth after previous C-section ..... 02 <input type="checkbox"/> Primary C-section ..... 03 <input type="checkbox"/> Repeat C-section ..... 04 <input type="checkbox"/> Forceps ..... 05 <input type="checkbox"/> Vacuum ..... 06 <input type="checkbox"/>		<b>42. ABNORMAL CONDITIONS OF THE NEWBORN</b> (Check all that apply) Anemia (Hct. <39/Hgb. <13) ..... 01 <input type="checkbox"/> Birth injury ..... 02 <input type="checkbox"/> Fetal alcohol syndrome ..... 03 <input type="checkbox"/> Hyaline membrane disease/RDS ..... 04 <input type="checkbox"/> Meconium aspiration syndrome ..... 05 <input type="checkbox"/> Assisted ventilation <30 min ..... 06 <input type="checkbox"/> Assisted ventilation ≥30 min ..... 07 <input type="checkbox"/> Seizures ..... 08 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 09 <input type="checkbox"/> (Specify) _____				
<b>39. OBSTETRIC PROCEDURES</b> (Check all that apply) Amniocentesis ..... 01 <input type="checkbox"/> Electronic fetal monitoring ..... 02 <input type="checkbox"/> Induction of labor ..... 03 <input type="checkbox"/> Stimulation of labor ..... 04 <input type="checkbox"/> Tocolysis ..... 05 <input type="checkbox"/> Ultrasound ..... 06 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 07 <input type="checkbox"/> (Specify) _____								

MOTHER  
FATHER  
MULTIPLE BIRTHS  
Enter State File  
Number for Mate(s)  
LIVE BIRTH(S)  
FETAL DEATH(S)

**Table A. Percentage of birth records on which specified items were not stated: United States and each State and territory, 2002**

[By place of residence]

Area	All births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Hispanic origin	
							Mother	Father
Total of reporting areas <sup>1</sup>	4,021,726	0.0	0.0	0.2	13.4	14.2	0.6	14.1
Alabama	58,967	-	0.0	0.1	21.3	21.5	0.1	21.3
Alaska	9,938	0.2	0.0	0.7	14.3	16.3	22.5	22.9
Arizona	87,837	0.0	0.0	0.1	21.1	22.5	1.1	22.1
Arkansas	37,437	0.0	0.0	0.6	19.7	21.6	0.5	20.6
California	529,357	0.0	0.0	0.2	7.1	7.0	0.8	6.6
Colorado	68,418	-	-	0.4	8.1	8.7	0.0	8.7
Connecticut	42,001	0.0	0.1	0.4	9.8	11.3	0.8	10.7
Delaware	11,090	-	0.0	0.2	31.4	32.7	0.1	31.3
District of Columbia	7,498	-	-	0.1	39.4	48.8	0.7	39.2
Florida	205,579	0.0	0.0	0.1	16.1	16.5	0.2	18.2
Georgia	133,300	0.0	0.0	0.2	17.2	17.5	1.3	18.3
Hawaii	17,477	-	0.1	0.2	10.0	10.1	0.2	10.1
Idaho	20,970	0.0	0.0	0.5	7.9	11.8	1.6	12.1
Illinois	180,622	0.0	-	0.1	13.1	14.7	0.0	14.6
Indiana	85,081	0.0	0.1	0.1	12.9	12.9	0.4	13.1
Iowa	37,559	0.0	0.0	0.0	13.6	14.3	0.2	13.9
Kansas	39,412	-	0.0	0.1	10.2	10.7	1.0	11.6
Kentucky	54,233	-	0.1	0.0	19.4	22.2	0.1	22.3
Louisiana	64,872	0.0	0.0	0.0	20.0	20.1	0.1	20.0
Maine	13,559	-	0.0	-	9.1	13.2	0.3	13.5
Maryland	73,323	-	0.0	0.4	12.0	13.9	0.4	11.7
Massachusetts	80,645	0.0	0.0	0.0	7.2	7.2	0.6	6.6
Michigan	129,967	0.0	0.1	0.1	14.1	16.5	1.6	17.3
Minnesota	68,025	0.0	0.0	0.2	8.9	13.4	1.3	14.0
Mississippi	41,518	0.0	0.0	0.1	21.4	21.2	0.1	21.4
Missouri	75,251	-	0.0	0.2	18.8	18.9	0.1	18.0
Montana	11,049	-	0.1	0.0	9.5	11.0	1.8	12.6
Nebraska	25,383	0.0	0.0	0.0	12.0	13.9	2.3	14.2
Nevada	32,571	-	0.0	0.4	21.5	22.6	0.7	21.6
New Hampshire	14,442	-	0.0	0.1	5.4	7.4	3.8	10.6
New Jersey	114,751	0.0	0.0	0.1	7.6	9.1	0.1	7.8
New Mexico	27,753	0.0	-	1.3	20.6	20.1	0.0	20.1
New York	251,415	0.0	0.0	0.3	13.3	13.9	0.4	13.5
North Carolina	117,335	-	0.0	0.0	15.6	15.7	0.1	15.8
North Dakota	7,757	-	-	0.0	8.5	9.0	1.6	10.6
Ohio	148,720	0.0	0.0	0.4	15.0	15.6	0.2	15.1
Oklahoma	50,387	-	0.0	0.0	17.5	20.0	0.0	19.8
Oregon	45,192	-	0.0	0.1	9.9	4.1	0.6	4.5
Pennsylvania	142,850	0.0	0.1	1.0	5.1	5.9	0.8	4.6
Rhode Island	12,894	0.0	0.0	0.4	12.9	13.5	11.7	22.2
South Carolina	54,570	0.0	0.0	0.1	26.9	27.0	0.2	26.9
South Dakota	10,698	-	-	0.0	13.8	14.0	0.1	14.2
Tennessee	77,482	-	0.0	0.1	15.3	15.7	0.0	15.5
Texas	372,450	0.0	0.0	0.4	14.1	14.4	0.4	14.5
Utah	49,182	0.0	0.0	0.2	7.8	9.3	0.4	8.9
Vermont	6,387	0.0	-	0.2	8.3	12.8	1.2	13.7
Virginia	99,672	-	0.0	0.1	16.2	18.7	0.2	16.4
Washington	79,028	-	0.1	0.4	10.1	13.2	1.8	13.4
West Virginia	20,712	0.0	0.0	0.1	13.0	13.2	0.2	13.2
Wisconsin	68,560	0.0	-	0.1	29.6	29.7	0.0	29.6
Wyoming	6,550	-	-	0.2	13.8	14.0	0.0	13.9
Puerto Rico	52,747	-	0.0	-	3.1	4.0	---	---
Virgin Islands	1,634	-	0.6	0.1	18.7	20.6	4.3	26.2
Guam	3,212	0.1	0.9	0.6	22.0	22.3	2.8	29.0
American Samoa	1,627	0.2	0.3	5.7	32.0	32.9	---	---
Northern Marianas	1,290	-	-	-	8.1	7.1	---	---

See footnotes at end of table.

**Table A. Percentage of birth records on which specified items were not stated: United States and each State and territory, 2002— Con.**

[By place of residence]

Area	Educational attainment of mother	Live-birth order	Length of gestation	Month prenatal care began	Number of prenatal visits
Total of reporting areas <sup>1</sup>	1.3	0.3	1.0	2.0	2.7
Alabama	0.2	0.0	0.1	0.3	0.3
Alaska	4.8	5.8	0.5	5.3	8.2
Arizona	2.0	0.4	0.1	1.1	1.9
Arkansas	0.9	0.1	0.2	1.5	1.8
California	2.2	0.1	<sup>2</sup> 6.6	1.9	3.0
Colorado	0.8	0.0	0.0	1.5	2.0
Connecticut	0.8	0.1	0.1	1.2	2.4
Delaware	0.7	0.1	0.1	0.4	0.5
District of Columbia	8.8	1.5	0.2	12.0	7.1
Florida	0.8	0.0	0.1	1.2	2.3
Georgia	1.5	0.2	0.1	1.7	2.0
Hawaii	1.0	0.1	0.3	2.2	2.1
Idaho	3.2	0.2	0.2	2.9	2.4
Illinois	1.1	0.2	0.2	2.5	3.0
Indiana	0.5	0.1	0.1	1.0	1.9
Iowa	0.2	0.0	0.1	0.2	0.3
Kansas	0.3	0.0	0.1	0.8	1.1
Kentucky	0.3	0.1	0.2	1.2	1.6
Louisiana	0.1	0.0	0.1	0.2	0.1
Maine	0.5	0.1	0.1	0.2	0.2
Maryland	1.5	0.3	0.2	1.7	2.5
Massachusetts	0.3	0.2	0.2	1.4	0.5
Michigan	2.1	0.4	0.1	2.0	2.7
Minnesota	1.7	0.5	0.3	3.7	5.0
Mississippi	0.3	0.1	0.2	0.9	1.7
Missouri	0.8	0.6	0.2	2.0	4.0
Montana	0.4	0.0	0.1	0.5	0.6
Nebraska	0.1	0.0	0.0	0.3	0.3
Nevada	2.8	0.8	0.9	4.2	6.8
New Hampshire	1.3	0.1	0.2	1.7	1.3
New Jersey	1.2	0.2	0.0	1.3	1.5
New Mexico	2.6	0.4	0.3	4.3	4.9
New York	0.9	0.3	0.1	3.4	2.1
North Carolina	0.2	0.0	0.0	0.7	0.6
North Dakota	0.4	0.0	0.1	0.8	0.8
Ohio	0.9	0.8	0.0	1.4	2.8
Oklahoma	0.3	0.0	0.1	1.0	0.5
Oregon	1.4	0.0	0.0	0.1	0.2
Pennsylvania	2.8	0.6	0.5	6.3	7.0
Rhode Island	2.4	1.4	0.1	4.1	4.6
South Carolina	0.4	0.1	0.1	0.8	0.9
South Dakota	0.1	0.0	0.0	0.2	0.2
Tennessee	0.3	0.0	0.3	2.1	2.2
Texas	1.5	0.3	0.4	1.4	3.6
Utah	1.3	0.3	0.0	2.4	2.3
Vermont	0.8	0.2	0.1	4.1	0.9
Virginia	1.3	0.0	0.0	0.2	1.2
Washington	5.5	1.4	0.9	8.8	11.5
West Virginia	0.7	0.0	0.1	2.9	1.7
Wisconsin	0.4	0.0	0.0	0.2	0.3
Wyoming	0.3	0.0	0.1	0.5	0.6
Puerto Rico	0.2	0.0	0.0	0.3	0.1
Virgin Islands	1.4	0.8	0.8	-	1.6
Guam	1.3	1.4	0.2	1.4	1.7
American Samoa	---	-	---	---	---
Northern Marianas	0.5	-	0.8	1.6	1.3

See footnotes at end of table.

**Table A. Percentage of birth records on which specified items were not stated: United States and each State and territory, 2002—Con.**

[By place of residence]

Area	Birthweight	5-minute apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain
Total of reporting areas <sup>1</sup>	0.1	0.4	0.7	0.5	0.7	6.3
Alabama	0.1	0.2	0.0	0.1	0.1	2.7
Alaska	0.3	0.5	3.2	1.0	1.1	7.7
Arizona	0.1	0.5	0.0	1.0	1.2	15.8
Arkansas	0.0	3.3	0.0	0.8	0.9	9.3
California	0.0	---	0.0	---	---	---
Colorado	0.0	0.3	0.0	0.1	0.1	2.6
Connecticut	0.0	0.2	1.0	0.4	0.4	2.8
Delaware	0.0	0.1	0.0	0.1	0.1	1.2
District of Columbia	0.1	0.5	-	-	-	12.3
Florida	0.0	0.2	0.0	0.1	0.1	5.4
Georgia	0.0	0.4	0.4	0.3	0.3	9.6
Hawaii	0.1	0.4	0.1	0.1	0.1	13.6
Idaho	0.1	0.5	0.3	0.4	0.6	8.6
Illinois	0.1	0.2	0.0	0.2	0.1	4.3
Indiana	0.4	0.3	0.0	<sup>3</sup> 0.2	0.2	2.4
Iowa	0.0	0.3	0.0	0.1	0.1	0.5
Kansas	0.0	0.7	<sup>4</sup> 0.1	0.1	0.1	0.2
Kentucky	0.2	0.3	2.3	1.7	2.3	6.9
Louisiana	0.1	0.3	0.1	0.1	0.1	5.1
Maine	0.1	0.1	0.1	0.1	0.2	0.7
Maryland	0.0	0.3	0.0	0.1	0.1	3.4
Massachusetts	0.2	0.3	0.2	0.2	0.2	0.8
Michigan	0.1	0.3	0.0	0.9	1.0	6.8
Minnesota	0.1	0.3	7.0	5.5	5.6	16.3
Mississippi	0.1	0.3	0.2	0.2	0.2	5.9
Missouri	0.1	0.6	0.1	0.5	0.5	3.5
Montana	0.1	0.4	0.0	0.7	1.0	1.3
Nebraska	0.0	0.2	0.0	0.1	0.1	1.4
Nevada	0.0	1.5	2.0	1.7	1.7	7.4
New Hampshire	0.1	0.3	0.0	0.3	0.3	3.9
New Jersey	0.1	0.2	0.4	0.3	0.4	2.1
New Mexico	0.2	3.4	0.0	1.1	1.1	7.2
New York	0.1	0.2	2.3	<sup>3</sup> 0.2	0.2	5.1
North Carolina	0.1	0.3	0.0	0.2	0.2	2.5
North Dakota	0.1	0.2	0.2	1.3	1.8	3.2
Ohio	0.1	0.2	0.0	0.3	0.3	3.2
Oklahoma	0.0	1.0	1.2	0.2	0.2	1.5
Oregon	0.0	0.4	0.8	1.1	1.1	2.4
Pennsylvania	0.0	0.4	0.1	1.0	1.0	13.5
Rhode Island	0.2	0.3	9.0	2.0	2.0	14.3
South Carolina	0.0	0.2	0.0	0.1	0.1	1.7
South Dakota	0.0	0.3	0.0	<sup>5</sup> 0.1	<sup>5</sup> 0.2	0.6
Tennessee	0.0	0.3	0.0	0.2	0.2	8.3
Texas	0.1	---	<sup>6</sup> 0.6	0.3	0.3	9.0
Utah	0.1	0.3	0.1	0.6	0.7	3.5
Vermont	0.2	0.3	0.1	0.5	0.3	1.1
Virginia	0.1	0.1	0.0	0.0	0.0	3.4
Washington	0.5	0.7	11.1	2.7	9.2	26.8
West Virginia	0.1	0.3	0.7	0.5	1.0	8.1
Wisconsin	0.0	0.4	0.1	0.1	0.1	2.2
Wyoming	0.0	0.2	0.0	0.1	0.2	1.5
Puerto Rico	0.0	0.1	0.0	0.0	0.0	0.1
Virgin Islands	0.3	2.6	5.3	0.6	0.6	20.4
Guam	0.2	0.7	1.4	0.4	0.6	3.7
American Samoa	-	---	---	---	---	---
Northern Marianas	0.4	1.4	---	<sup>5</sup> 0.9	<sup>5</sup> 1.0	---

See footnotes at end of table.



**Table A. Percentage of birth records on which specified items were not stated: United States and each State and territory, 2002— Con.**

[By place of residence]

Area	Obstetric procedures	Complications of labor and/or delivery	Method or delivery	Abnormal conditions of newborn	Congenital anomalies
Total of reporting areas <sup>1</sup>	0.4	0.5	0.5	0.7	0.7
Alabama	0.0	0.0	0.5	0.0	0.0
Alaska	3.1	3.0	0.2	3.7	4.2
Arizona	0.0	0.0	0.4	0.0	0.3
Arkansas	0.0	0.0	0.4	0.0	0.0
California	0.0	0.0	0.0	0.0	0.0
Colorado	0.0	0.0	0.0	0.0	0.2
Connecticut	0.5	0.6	0.5	2.2	2.6
Delaware	0.1	0.0	0.0	0.1	0.0
District of Columbia	-	-	0.1	-	-
Florida	0.0	0.0	0.6	0.0	0.0
Georgia	0.0	0.0	0.5	0.0	0.0
Hawaii	0.0	0.1	0.6	0.1	0.0
Idaho	0.3	0.4	0.4	0.4	0.4
Illinois	0.0	0.0	0.5	0.0	0.1
Indiana	0.0	0.0	0.5	0.0	0.0
Iowa	0.0	0.0	0.6	0.1	0.0
Kansas	0.1	0.1	0.3	0.1	0.2
Kentucky	1.5	2.3	2.1	3.2	1.9
Louisiana	0.1	0.1	0.1	0.1	0.1
Maine	0.1	0.0	0.3	0.1	0.1
Maryland	0.0	0.0	0.3	0.0	0.0
Massachusetts	0.3	0.3	0.4	0.4	0.7
Michigan	0.0	0.0	0.5	0.0	0.0
Minnesota	4.6	6.6	1.4	7.3	7.4
Mississippi	0.0	0.1	0.3	0.1	0.1
Missouri	0.1	0.1	0.6	0.1	0.1
Montana	0.0	0.0	0.2	0.0	0.0
Nebraska	0.0	0.0	0.3	<sup>7</sup> 0.1	0.0
Nevada	0.7	1.3	1.3	1.1	2.3
New Hampshire	0.0	0.0	0.4	0.0	0.1
New Jersey	0.0	0.2	0.8	0.3	0.5
New Mexico	0.0	0.0	0.6	0.0	---
New York	0.2	0.6	0.5	<sup>8</sup> 2.1	2.0
North Carolina	0.0	0.0	0.5	0.0	0.0
North Dakota	0.1	0.1	1.7	0.3	0.2
Ohio	0.0	0.0	0.7	0.0	0.0
Oklahoma	0.9	1.2	1.4	1.9	<sup>9</sup> 2.6
Oregon	0.0	0.0	0.5	0.0	0.0
Pennsylvania	0.0	0.0	0.1	0.0	0.0
Rhode Island	8.9	9.0	0.6	18.5	18.9
South Carolina	-	-	1.0	-	-
South Dakota	0.0	0.0	0.5	0.0	0.0
Tennessee	0.0	0.0	0.7	0.0	0.0
Texas	0.0	<sup>10</sup> 0.0	0.8	<sup>7</sup> 0.0	0.0
Utah	0.0	0.0	0.1	0.1	0.1
Vermont	0.0	0.1	0.1	0.1	0.1
Virginia	-	-	0.5	0.2	0.0
Washington	9.1	10.6	0.4	11.0	11.2
West Virginia	0.1	0.3	0.3	0.5	0.2
Wisconsin	0.0	0.1	0.0	<sup>11</sup> 0.1	0.1
Wyoming	0.0	0.0	0.1	0.0	0.0
Puerto Rico	0.0	0.1	0.0	0.0	0.1
Virgin Islands	2.1	6.9	1.1	8.0	6.9
Guam	0.5	1.9	0.4	1.2	1.5
American Samoa	---	---	---	---	---
Northern Marianas	---	---	1.5	---	---

See footnotes at end of table.

**Table A. Percentage of birth records on which specified items were not stated: United States and each State and territory, 2002— Con.**

0.0 Quantity more than zero but less than 0.05.

--- Data not available.

- Quantity zero.

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

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

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

<sup>4</sup> Kansas does not report Rh sensitization.

<sup>5</sup> South Dakota and the Commonwealth of the Northern Marianas report tobacco and alcohol use but do not report the average number of cigarettes smoked per day or the average number of drinks per week.

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

<sup>7</sup> Nebraska and Texas do not report birth injury.

<sup>8</sup> New York City does not report assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more.

<sup>9</sup> Rates of "Other central nervous system anomalies" may be overstated for Oklahoma for 2002.

<sup>10</sup> Texas does not report anesthetic complications and fetal distress.

<sup>11</sup> Wisconsin does not report fetal alcohol syndrome.

**Table B. Births by place of occurrence and residence for births occurring in the 50 States, the District of Columbia, U.S. territories, and other countries, 2002**

Area	Occurrence	Residence
United States	4,027,376	4,021,726
Alabama	57,861	58,967
Alaska	9,845	9,938
Arizona	87,928	87,837
Arkansas	36,763	37,437
California	530,204	529,357
Colorado	68,537	68,418
Connecticut	42,657	42,001
Delaware	11,724	11,090
District of Columbia	14,988	7,498
Florida	205,680	205,579
Georgia	134,598	133,300
Hawaii	17,512	17,477
Idaho	20,449	20,970
Illinois	177,579	180,622
Indiana	85,506	85,081
Iowa	37,819	37,559
Kansas	39,655	39,412
Kentucky	52,735	54,233
Louisiana	65,120	64,872
Maine	13,372	13,559
Maryland	68,790	73,323
Massachusetts	81,697	80,645
Michigan	128,689	129,967
Minnesota	68,064	68,025
Mississippi	40,539	41,518
Missouri	76,368	75,251
Montana	11,018	11,049
Nebraska	25,515	25,383
Nevada	32,188	32,571
New Hampshire	13,943	14,442
New Jersey	111,813	114,751
New Mexico	27,350	27,753
New York State only	129,430	133,121
New York City only	122,934	118,294
North Carolina	118,178	117,335
North Dakota	8,877	7,757
Ohio	149,061	148,720
Oklahoma	49,237	50,387
Oregon	46,053	45,192
Pennsylvania	142,972	142,850
Rhode Island	13,559	12,894
South Carolina	52,162	54,570
South Dakota	11,015	10,698
Tennessee	82,609	77,482
Texas	377,750	372,450
Utah	50,314	49,182
Vermont	6,107	6,387
Virginia	97,390	99,672
Washington	78,579	79,028
West Virginia	21,130	20,712
Wisconsin	67,408	68,560
Wyoming	6,105	6,550
Occurrence in U.S. territories or foreign countries	-	5,650
Puerto Rico	-	11
Virgin Islands	-	25
Guam	-	-
American Samoa	-	-
Northern Marianas	-	-
Canada	-	174
Cuba	-	1
Mexico	-	4,935
Remainder of world	-	504

- Quantity zero.

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

$B$	$L(1 - \alpha = .95, B)$	$U(1 - \alpha = .95, B)$	$L(1 - \alpha = .96, B)$	$U(1 - \alpha = .96, B)$
1	0.02532	5.57164	0.02020	5.83392
2	0.12110	3.61234	0.10735	3.75830
3	0.20622	2.92242	0.18907	3.02804
4	0.27247	2.56040	0.25406	2.64510
5	0.32470	2.33367	0.30591	2.40540
6	0.36698	2.17658	0.34819	2.23940
7	0.40205	2.06038	0.38344	2.11666
8	0.43173	1.97040	0.41339	2.02164
9	0.45726	1.89831	0.43923	1.94553
10	0.47954	1.83904	0.46183	1.88297
11	0.49920	1.78928	0.48182	1.83047
12	0.51671	1.74680	0.49966	1.78566
13	0.53246	1.71003	0.51571	1.74688
14	0.54671	1.67783	0.53027	1.71292
15	0.55969	1.64935	0.54354	1.68289
16	0.57159	1.62394	0.55571	1.65610
17	0.58254	1.60110	0.56692	1.63203
18	0.59266	1.58043	0.57730	1.61024
19	0.60207	1.56162	0.58695	1.59042
20	0.61083	1.54442	0.59594	1.57230
21	0.61902	1.52861	0.60435	1.55563
22	0.62669	1.51401	0.61224	1.54026
23	0.63391	1.50049	0.61966	1.52602
24	0.64072	1.48792	0.62666	1.51278
25	0.64715	1.47620	0.63328	1.50043
26	0.65323	1.46523	0.63954	1.48888
27	0.65901	1.45495	0.64549	1.47805
28	0.66449	1.44528	0.65114	1.46787
29	0.66972	1.43617	0.65652	1.45827
30	0.67470	1.42756	0.66166	1.44922
31	0.67945	1.41942	0.66656	1.44064
32	0.68400	1.41170	0.67125	1.43252
33	0.68835	1.40437	0.67575	1.42480
34	0.69253	1.39740	0.68005	1.41746
35	0.69654	1.39076	0.68419	1.41047
36	0.70039	1.38442	0.68817	1.40380
37	0.70409	1.37837	0.69199	1.39743
38	0.70766	1.37258	0.69568	1.39134
39	0.71110	1.36703	0.69923	1.38550
40	0.71441	1.36172	0.70266	1.37991
41	0.71762	1.35661	0.70597	1.37454
42	0.72071	1.35171	0.70917	1.36938
43	0.72370	1.34699	0.71227	1.36442
44	0.72660	1.34245	0.71526	1.35964
45	0.72941	1.33808	0.71816	1.35504
46	0.73213	1.33386	0.72098	1.35060
47	0.73476	1.32979	0.72370	1.34632
48	0.73732	1.32585	0.72635	1.34218
49	0.73981	1.32205	0.72892	1.33818
50	0.74222	1.31838	0.73142	1.33431

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

$B$	$L(1 - \alpha = .95, B)$	$U(1 - \alpha = .95, B)$	$L(1 - \alpha = .96, B)$	$U(1 - \alpha = .96, B)$
51	0.74457	1.31482	0.73385	1.33057
52	0.74685	1.31137	0.73621	1.32694
53	0.74907	1.30802	0.73851	1.32342
54	0.75123	1.30478	0.74075	1.32002
55	0.75334	1.30164	0.74293	1.31671
56	0.75539	1.29858	0.74506	1.31349
57	0.75739	1.29562	0.74713	1.31037
58	0.75934	1.29273	0.74916	1.30734
59	0.76125	1.28993	0.75113	1.30439
60	0.76311	1.28720	0.75306	1.30152
61	0.76492	1.28454	0.75494	1.29873
62	0.76669	1.28195	0.75678	1.29601
63	0.76843	1.27943	0.75857	1.29336
64	0.77012	1.27698	0.76033	1.29077
65	0.77178	1.27458	0.76205	1.28826
66	0.77340	1.27225	0.76373	1.28580
67	0.77499	1.26996	0.76537	1.28340
68	0.77654	1.26774	0.76698	1.28106
69	0.77806	1.26556	0.76856	1.27877
70	0.77955	1.26344	0.77011	1.27654
71	0.78101	1.26136	0.77162	1.27436
72	0.78244	1.25933	0.77310	1.27223
73	0.78384	1.25735	0.77456	1.27014
74	0.78522	1.25541	0.77598	1.26810
75	0.78656	1.25351	0.77738	1.26610
76	0.78789	1.25165	0.77876	1.26415
77	0.78918	1.24983	0.78010	1.26223
78	0.79046	1.24805	0.78143	1.26036
79	0.79171	1.24630	0.78272	1.25852
80	0.79294	1.24459	0.78400	1.25672
81	0.79414	1.24291	0.78525	1.25496
82	0.79533	1.24126	0.78648	1.25323
83	0.79649	1.23965	0.78769	1.25153
84	0.79764	1.23807	0.78888	1.24987
85	0.79876	1.23652	0.79005	1.24824
86	0.79987	1.23499	0.79120	1.24664
87	0.80096	1.23350	0.79233	1.24507
88	0.80203	1.23203	0.79344	1.24352
89	0.80308	1.23059	0.79453	1.24201
90	0.80412	1.22917	0.79561	1.24052
91	0.80514	1.22778	0.79667	1.23906
92	0.80614	1.22641	0.79771	1.23762
93	0.80713	1.22507	0.79874	1.23621
94	0.80810	1.22375	0.79975	1.23482
95	0.80906	1.22245	0.80074	1.23345
96	0.81000	1.22117	0.80172	1.23211
97	0.81093	1.21992	0.80269	1.23079
98	0.81185	1.21868	0.80364	1.22949
99	0.81275	1.21746	0.80458	1.22822

**Table D. Sources for resident population and population including Armed Forces abroad: Birth- and death-registration States, 1900–1932, and United States, 1900–2002**

Year	Source
2002	National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2002, by State and county, age, bridged race, sex, and Hispanic origin. File pcen v2002.txt. Internet released, August 1, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
2001	National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2001, by State and county, age, bridged race, sex, and Hispanic origin. File pcen v2001.txt. Internet released, August 1, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
2001	National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2001, by age, bridged race, sex, and Hispanic origin. File pcen v2001.txt. Internet released, January 12, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
2000	National Center for Health Statistics. Estimates of the April 1, 2000, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File br040100.txt. Internet released, January 12, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1999	National Center for Health Statistics. Intercensal estimates of the July 1, 1999, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1999.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1998	National Center for Health Statistics. Intercensal estimates of the July 1, 1998, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1998.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1997	National Center for Health Statistics. Intercensal estimates of the July 1, 1997, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1997.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1996	National Center for Health Statistics. Intercensal estimates of the July 1, 1996, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1996.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1995	National Center for Health Statistics. Intercensal estimates of the July 1, 1995, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1995.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1994	National Center for Health Statistics. Intercensal estimates of the July 1, 1994, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1994.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1993	National Center for Health Statistics. Intercensal estimates of the July 1, 1993, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1993.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1992	National Center for Health Statistics. Intercensal estimates of the July 1, 1992, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1992.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1991	National Center for Health Statistics. Intercensal estimates of the July 1, 1991, United States resident population by State and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1991.txt. Internet released, April 15, 2003. Available at: <a href="http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm">http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm</a> .
1990	U.S. Bureau of the Census, Unpublished data from the 1990 census. 1990 CPH-L-74 and unpublished data consistent with <i>Current Population Reports</i> , Series P-25, No. 1095, Feb. 1993.
1989	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1057, Mar. 1990.
1988	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1045, Jan. 1990.
1986–87	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1022, Mar. 1988.
1985	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1000, Feb. 1987.
1984	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 985, Apr. 1986.
1983	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 965, Mar. 1985.
1982	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 949, May 1984.
1981	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 929, May 1983.
1980	U.S. Bureau of the Census, <i>U.S. Census of Population: 1980, Number of Inhabitants</i> , PC80-1-A1, United States Summary, 1983.
1971–79	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 917, July 1982.
1970	U.S. Bureau of the Census, <i>U.S. Census of Population: 1970, Number of Inhabitants, Final Report</i> PC(1)-A1, United States Summary,
1961–69	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 519, April 1974.
1960	U.S. Bureau of the Census, <i>U.S. Census of Population: 1960, Number of Inhabitants</i> , PC(1)-A1, United States Summary, 1964.
1951–59	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 310, June 30, 1965.
1940–50	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 499, May 1973.
1930–39	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 499, May 1973, and National Office of Vital Statistics, <i>Vital Statistics Rates in the United States</i> , 1900–1940, 1947.
1920–29	National Office of Vital Statistics, <i>Vital Statistics Rates in the United States</i> , 1900–1940, 1947.
1917–19	Same as for 1930–39.
1900–1916	Same as for 1920–29.

**Table E. Percentage net undercount, by age, sex, and race/Hispanic origin: United States, April 1, 2000**

Characteristic	Estimate (%)
Total	-0.49
Age/sex	
10–17 Male and female	-1.32
18–29 Male	1.12
18–29 Female	-1.39
30–49 Male	2.01
30–49 Female	-0.60
50 years and over male	-0.80
50 years and over female	-2.53
Race/Hispanic origin	
Non-Hispanic white	-1.13
Non-Hispanic black	1.84
Hispanic	0.71

SOURCE: Fenstermaker D, Haines D. Summary of estimated net coverage. DSSD A.C.E. Revision II Memorandum Series #PP-54. Washington: U.S. Census Bureau. 2002.

**Table 4–1. Population of birth- and death-registration States, 1900–1932, and United States, 1900–2002**

[Population enumerated as of April 1 for 1940, 1950, 1960, 1970, 1980, 1990, and 2000 and estimated as of July 1 for all other years]

Year	United States <sup>1</sup>		Year	United States <sup>1</sup>		Birth-registration States		Death-registration States	
	Population including Armed Forces abroad	Population residing in area		Population including Armed Forces abroad	Population residing in area	Number of States <sup>2</sup>	Population residing in area	Number of States <sup>2</sup>	Population residing in area
2002	288,600,204	288,368,706	1950	151,132,000	150,697,361	...	...	...	...
2001	285,024,000	284,796,887	1949	149,188,000	148,665,000	...	...	...	...
2000	281,652,000	281,421,906	1948	146,631,000	146,093,000	...	...	...	...
1999	279,294,713	279,040,168	1947	144,126,000	143,446,000	...	...	...	...
1998	276,115,288	275,854,104	1946	141,389,000	140,054,000	...	...	...	...
1997	272,911,760	272,646,925	1945	139,928,000	132,481,000	...	...	...	...
1996	269,667,391	269,394,284	1944	138,397,000	132,885,000	...	...	...	...
1995	266,557,091	266,278,393	1943	136,739,000	134,245,000	...	...	...	...
1994	263,435,673	263,125,821	1942	134,860,000	133,920,000	...	...	...	...
1993	260,255,352	259,918,588	1941	133,402,000	133,121,000	...	...	...	...
1992	256,894,189	256,514,224	1940	131,820,000	131,669,275	...	...	...	...
1991	253,492,503	252,980,941	1939	131,028,000	130,879,718	...	...	...	...
1990	249,225,000	248,709,873	1938	129,969,000	129,824,939	...	...	...	...
1989	247,342,000	246,819,000	1937	128,961,000	128,824,829	...	...	...	...
1988	245,021,000	244,499,000	1936	128,181,000	128,053,180	...	...	...	...
1987	242,804,000	242,289,000	1935	127,362,000	127,250,232	...	...	...	...
1986	240,651,000	240,133,000	1934	126,485,000	126,373,773	...	...	...	...
1985	238,466,000	237,924,000	1933	125,690,000	125,578,763	...	...	...	...
1984	236,348,000	235,825,000	1932	124,949,000	124,840,471	47	118,903,899	47	118,903,899
1983	234,307,000	233,792,000	1931	124,149,000	124,039,648	46	117,455,229	47	118,148,987
1982	232,188,000	231,664,000	1930	123,188,000	123,076,741	46	116,544,946	47	117,238,278
1981	229,966,000	229,466,000	1929	---	121,769,939	46	115,317,450	46	115,317,450
1980	227,061,000	226,545,805	1928	---	120,501,115	44	113,636,160	44	113,636,160
1979	225,055,000	224,567,000	1927	---	119,038,062	40	104,320,830	42	107,084,532
1978	222,585,000	222,095,000	1926	---	117,399,225	35	90,400,590	41	103,822,683
1977	220,239,000	219,760,000	1925	---	115,831,963	33	88,294,564	40	102,031,555
1976	218,035,000	217,563,000	1924	---	114,113,463	33	87,000,295	39	99,318,098
1975	215,973,000	215,465,000	1923	---	111,949,945	30	81,072,123	38	96,788,197
1974	213,854,000	213,342,000	1922	---	110,054,778	30	79,560,746	37	92,702,901
1973	211,909,000	211,357,000	1921	---	108,541,489	27	70,807,090	34	87,814,447
1972	209,896,000	209,284,000	1920	---	106,466,420	23	63,597,307	34	86,079,263
1971	207,661,000	206,827,000	1919	105,063,000	104,512,110	22	61,212,076	33	83,157,982
1970	204,270,000	203,211,926	1918	104,550,000	103,202,801	20	55,153,782	30	79,008,412
1969	202,677,000	201,385,000	1917	103,414,000	103,265,913	20	55,197,952	27	70,234,775
1968	200,706,000	199,399,000	1916	---	101,965,984	11	32,944,013	26	66,971,177
1967	198,712,000	197,457,000	1915	---	100,549,013	10	31,096,697	24	61,894,847
1966	196,560,000	195,576,000	1914	---	99,117,567	...	...	24	60,963,309
1965	194,303,000	193,526,000	1913	---	97,226,814	...	...	23	58,156,740
1964	191,889,000	191,141,000	1912	---	95,331,300	...	...	22	54,847,700
1963	189,242,000	188,483,000	1911	---	93,867,814	...	...	22	53,929,644
1962	186,538,000	185,771,000	1910	---	92,406,536	...	...	20	47,470,437
1961	183,691,000	182,992,000	1909	---	90,491,525	...	...	18	44,223,513
1960	179,933,000	179,323,175	1908	---	88,708,976	...	...	17	38,634,759
1959	177,264,000	176,513,000	1907	---	87,000,271	...	...	15	34,552,837
1958	174,141,000	173,320,000	1906	---	85,436,556	...	...	15	33,782,288
1957	171,274,000	170,371,000	1905	---	83,819,666	...	...	10	21,767,980
1956	168,221,000	167,306,000	1904	---	82,164,974	...	...	10	21,332,076
1955	165,275,000	164,308,000	1903	---	80,632,152	...	...	10	20,943,222
1954	162,391,000	161,164,000	1902	---	79,160,196	...	...	10	20,582,907
1953	159,565,000	158,242,000	1901	---	77,585,128	...	...	10	20,237,453
1952	156,954,000	155,687,000	1900	---	76,094,134	...	...	10	19,965,446
1951	154,287,000	153,310,000							

- - - Data not available.

... Category not applicable.

<sup>1</sup> Alaska included beginning 1959 and Hawaii, 1960.<sup>2</sup> The District of Columbia is not included in "Number of States," but it is represented in all data shown for each year.

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



**Table 4–2. Estimated total population by race and estimated female population by age and race: United States, 2003**

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population	288,368,706	234,746,440	37,747,692	3,076,095	12,798,479
Female population					
15–44 years	62,044,142	48,998,121	9,026,073	731,071	3,288,877
10–14 years	10,311,553	7,994,986	1,731,004	150,875	434,688
15–19 years	9,905,023	7,764,527	1,559,455	143,268	437,773
15–17 years	5,967,384	4,676,219	946,988	86,700	257,477
18–19 years	3,937,639	3,088,308	612,467	56,568	180,296
20–24 years	9,863,491	7,706,591	1,531,763	127,401	497,736
25–29 years	9,331,760	7,247,653	1,380,362	110,456	593,289
30–34 years	10,393,768	8,164,321	1,475,044	112,424	641,979
35–39 years	10,961,381	8,730,699	1,534,119	117,384	579,179
40–44 years	11,588,719	9,384,330	1,545,330	120,138	538,921
45–49 years	10,810,307	8,844,142	1,366,556	105,700	493,909

NOTE: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget guidelines.

SOURCE: U.S. Census Bureau. See reference 28.

**Table 4–3. 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, 2002**

[Populations estimated as of July 1]

Age	Hispanic					Non-Hispanic		
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>1</sup>	Total <sup>2</sup>	White	Black
Total population	38,761,304	25,927,404	3,491,092	1,418,217	7,924,566	249,607,402	198,691,529	36,145,193
Female population								
15–44 years	9,282,682	6,102,378	878,299	241,087	2,060,918	52,761,460	40,394,467	8,619,604
10–14 years	1,724,621	1,224,988	150,149	34,898	314,587	8,586,932	6,409,899	1,649,550
15–19 years	1,532,680	1,033,878	162,899	34,194	301,711	8,372,343	6,351,004	1,491,961
15–17 years	922,312	615,761	95,008	22,870	188,675	5,045,072	3,826,729	905,629
18–19 years	610,368	418,117	67,891	11,324	113,036	3,327,271	2,524,275	586,332
20–24 years	1,614,569	1,113,026	137,167	34,815	329,566	8,248,922	6,216,387	1,457,446
25–29 years	1,694,283	1,177,138	152,759	37,297	327,084	7,637,477	5,673,667	1,306,663
30–34 years	1,659,543	1,085,092	153,026	31,013	390,414	8,734,225	6,622,138	1,402,937
35–39 years	1,495,141	950,362	140,021	53,883	350,873	9,466,240	7,341,768	1,469,838
40–44 years	1,286,466	742,882	132,427	49,885	361,270	10,302,253	8,189,503	1,490,759
45–49 years	1,028,664	610,181	101,147	45,103	272,237	9,781,643	7,888,991	1,322,234

<sup>1</sup>Includes Central and South American and other and unknown Hispanic.

<sup>2</sup>Includes races other than white and black.

NOTE: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget guidelines.

SOURCE: U.S. Census Bureau. Population Estimates for 2000 based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division. 2001.

**Table 4–4. Estimated total population and female population aged 15–44 years:  
United States, each State, and territory: July 1, 2002**

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

State	Total	Female 15–44 years
United States	214,959,789	46,188,961
Alabama	4,486,508	964,076
Alaska	643,786	135,128
Arizona	5,456,453	1,129,623
Arkansas	2,710,079	562,512
California	35,116,033	7,753,983
Colorado	4,506,542	986,708
Connecticut	3,460,503	714,099
Delaware	807,385	178,365
District of Columbia	570,898	141,808
Florida	16,713,149	3,290,358
Georgia	8,560,310	1,949,647
Hawaii	1,244,898	254,652
Idaho	1,341,131	284,118
Illinois	12,600,620	2,734,050
Indiana	6,159,068	1,312,372
Iowa	2,936,760	609,101
Kansas	2,715,884	573,685
Kentucky	4,092,891	895,803
Louisiana	4,482,646	991,485
Maine	1,294,466	272,137
Maryland	5,458,137	1,209,363
Massachusetts	6,427,803	1,423,025
Michigan	10,050,446	2,140,053
Minnesota	5,019,720	1,096,832
Mississippi	2,871,782	631,498
Missouri	5,672,579	1,212,701
Montana	909,453	183,288
Nebraska	1,729,180	365,235
Nevada	2,173,491	449,407
New Hampshire	1,275,056	275,577
New Jersey	8,590,303	1,806,387
New Mexico	1,855,059	392,488
New York	19,157,532	4,200,848
North Carolina	8,320,146	1,795,328
North Dakota	634,110	132,083
Ohio	11,421,268	2,408,493
Oklahoma	3,493,714	732,645
Oregon	3,521,515	729,844
Pennsylvania	12,335,091	2,532,890
Rhode Island	1,069,725	236,192
South Carolina	4,107,183	898,778
South Dakota	761,063	156,684
Tennessee	5,797,289	1,246,504
Texas	21,779,893	4,830,280
Utah	2,316,256	542,919
Vermont	616,592	130,731
Virginia	7,293,542	1,609,552
Washington	6,068,996	1,312,243
West Virginia	1,801,873	363,147
Wisconsin	5,441,196	1,162,494
Wyoming	498,703	102,923
Puerto Rico	3,858,806	855,825
Virgin Islands	108,810	22,971
Guam	161,057	36,377
American Samoa	57,716	12,842
Northern Marianas	74,003	28,608

SOURCE: National Center for Health Statistics. Unpublished estimates of the July 1, 2002, United States population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. 2003.

## Births: Final Data for 2002

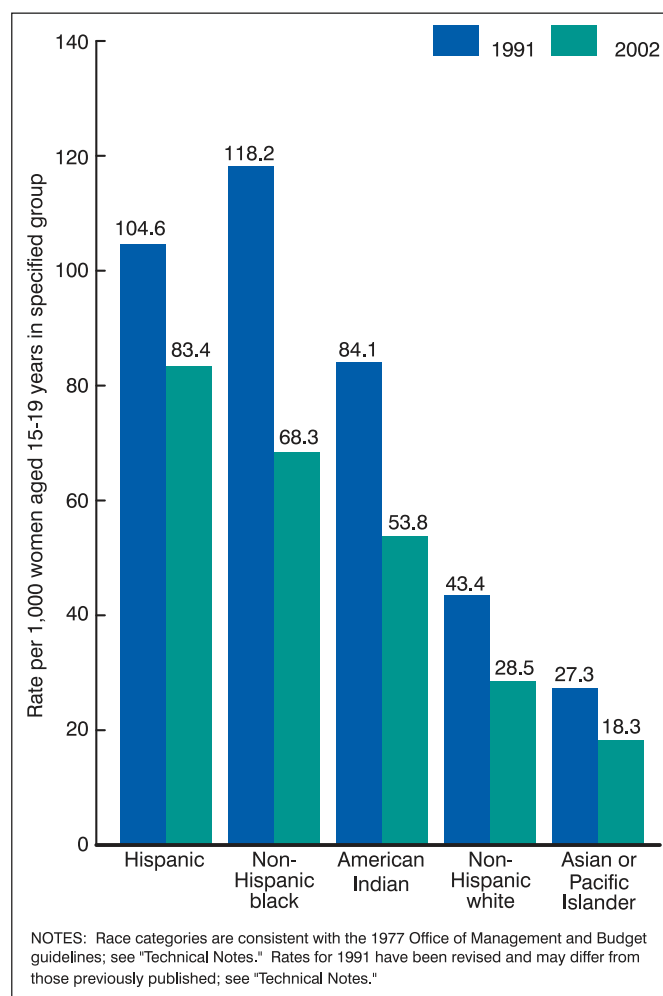
by Joyce A. Martin, M.P.H.; Brady E. Hamilton, Ph.D.; Paul D. Sutton, Ph.D.;  
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### Abstract

**Objectives**—This report presents 2002 data on U.S. births according to a wide variety of characteristics. Data are presented for maternal demographic characteristics including age, live-birth order, race, Hispanic origin, marital status, and educational attainment; maternal characteristics (medical risk factors, weight gain, tobacco, and alcohol use); medical care utilization by pregnant women (prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth, and method of delivery); and infant characteristics (period of gestation, birthweight, Apgar score, abnormal conditions, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's State of residence are shown, as well as data on month and day of birth, sex ratio, and age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

**Methods**—Descriptive tabulations of data reported on the birth certificates of the 4.022 million births that occurred in 2002 are presented. Denominators for population-based rates are derived from the 2000 U.S. census. Rates for 1991–2001 may differ from those published previously based on the 1990 U.S. census.

**Results**—There were 4,021,726 live births in 2002, essentially unchanged from 2001. The birth rate, fertility rate, and total fertility rates all declined 1 percent in 2002. The teenage birth rate dropped 5 percent, reaching another record low. The birth rates for women 20–24 years declined, whereas the rate for women 25–29 years was stable. The birth rate for women 30–34 years declined, but the rate for women 35–44 years continued to rise. Births to unmarried women changed very little. Smoking during pregnancy was down again. The timeliness of prenatal care continued to improve. The cesarean delivery rate climbed to the highest level ever reported in the United States (26.1 percent) and the rate of vaginal birth after previous cesarean plummeted 23 percent to 12.6 percent. Preterm and low birthweight levels both rose for 2002. The twin birth rate continued to climb, but the rate of triplet/+ births was down slightly.



**Figure 1. Birth rates for teenagers by race and/or Hispanic origin for 1991 and 2002**

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

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## Highlights

- There were 4,021,726 **births** in the United States in 2002, similar to the number reported for 2001. Births to non-Hispanic white and non-Hispanic black women were down, but births to Hispanic, American Indian, and Asian or Pacific Islander (API) women increased.
- The 2002 U.S. **birth rate** fell to the lowest rate ever recorded for the United States, 13.9 per 1,000 total population. The **general fertility rate** declined 1 percent for 2001–2002 to 64.8 births per 1,000 women aged 15–44 years. Fertility rates were down 1 to 2 percent among non-Hispanic white, non-Hispanic black, and Hispanic women, and were essentially unchanged for American Indian and API women.
- The **teenage birth rate** dropped 5 percent in 2002, to 43.0 births per 1,000 females aged 15–19 years, another historical low. This rate has fallen 30 percent since 1991 (61.8). Rates declined for teenagers of all ages; the rate for the youngest teenagers, 10–14 years, declined to 0.7 per 1,000, exactly half the rate reported for 1994. Rates for teenagers 15–17 and 18–19 years attained record lows for the Nation; the rate for ages 15–17 years was 23.2 per 1,000, 40 percent below the 1991 level; the rate for ages 18–19 years was 72.8, down 23 percent since 1991. Teenage childbearing has declined among all racial and/or Hispanic origin groups since 1991; the rate for young black teenagers 15–17 years has plummeted by more than half. Teenage pregnancy rates have also declined during the 1990s, reflecting reductions in teenage birth and abortion rates. See [figure 1](#).
- The **birth rate for women 20–24 years** declined 2 percent, to 103.6 per 1,000, whereas the rate for women 25–29 years was stable at 113.6. After rising steadily for a decade, the **birth rate for women 30–34 years** declined to 91.5 per 1,000 in 2002. The rate for women 35–39 years, however, rose to 41.4, the highest level in more than three decades. The **birth rate for women 40–44 years** increased to the highest level since 1969 (8.3 per 1,000). The number of births to women 50–54 years increased to 263, 10 percent higher than in 2001. The **first birth rate** declined 1 percent in 2002 to 25.8 births per 1,000 women aged 15–44 years. Since 1990, first birth rates have declined for women under age 30 years, but have risen for women aged 30 years and over.
- The mean or **average age at first birth** was 25.1 years, an all-time high for the Nation. This average has risen from 21.4 years since 1970.
- **Unmarried childbearing** has changed very little since 1995. The birth rate for 2002 was stable at 43.7 births per 1,000 unmarried women aged 15–44 years. The number of births rose 1 percent to 1,365,966, the highest number ever reported, while the percent of births to unmarried women increased from 33.5 to 34.0 percent. Birth rates for unmarried teenagers, especially younger teenagers, continued to decline.
- **Cigarette smoking** during pregnancy dropped to 11.4 percent of all mothers in 2002, a decline of 42 percent from 1989. Smoking rates declined for all age groups and most race and Hispanic origin groups in 2002. Infant health can be seriously compromised by prenatal smoking; 12.2 percent of mothers who smoked had a low birthweight child in 2002 compared with 7.5 percent of non-smokers.
- Timely initiation of prenatal care improved again for 2002, rising to 83.7 percent. The percent of mothers who began **prenatal care** in the first trimester of pregnancy has risen slowly but steadily, since 1990, by 10 percent. Late (care in the last trimester) or no prenatal care declined to 3.6 percent, and has dropped from 6.1 percent since 1990. Improved levels of timely care were reported for most race and Hispanic origin groups for 2002.
- The **rate of induction of labor** increased slightly for 2002 to 20.6 percent, more than double the 1989 level (9 percent).
- The **rate of cesarean delivery** increased 7 percent to 26.1 percent of all births from 2001 to 2002, the highest rate ever reported in the United States. The cesarean rate fell between 1989 and 1996, but has risen 26 percent since 1996. The escalation in the total cesarean rate is fueled by both the rise in the **primary cesarean rate** and the steep decline in the rate of **vaginal birth after cesarean (VBAC) delivery**. The primary rate rose 7 percent in 2002, and the rate of VBAC delivery plunged 23 percent.
- The **rate of preterm births** (less than 37 completed weeks of gestation) increased again in 2002 to 12.1 percent of all births. Preterm delivery is a leading cause of neonatal mortality and birth-related morbidity. Influenced in part by the rising rate of multiple births (multiples are more likely to be born early), the proportion of preterm infants has risen 14 percent since 1990. Over this same period, the **preterm rate for singleton births only** has risen 7 percent, from 9.7 to 10.4 percent. Preterm rates increased for non-Hispanic white, non-Hispanic black, and Hispanic infants between 2001 and 2002. The percent of births delivered **postterm** (at 42 or greater weeks of gestation) fell to 6.7 in 2002. This measure has tumbled 41 percent since 1990 (from 11.3 percent).
- The **low birthweight (LBW) rate** (less than 2,500 grams) increased to 7.8 percent, the highest level reported in more than three decades. Also influenced by the growth in multiple births, LBW has risen 15 percent since the mid-1980s; the rate of **LBW among singleton** infants has increased by a more modest 5 percent. The rate of **very low birthweight (VLBW)** (less than 1,500 grams) was 1.46 percent for 2002, compared with 1.44 percent for 2001. LBW levels were up for the three largest racial and/or ethnic groups for 2002.

- The **twin birth rate** continued its steady climb, rising 3 percent for 2002 to 31.1 per 1,000. The twinning rate has risen 38 percent since 1990, and 65 percent since 1980. The rate of **triplet and other higher order multiple births** (triplet/+) declined slightly to 184.0. The decline in the triplet/+ rate in 3 of the last 4 years may signal an end to the steep hike (more than 400 percent between 1980 and 1998) in these high-risk births.

## Introduction

This report presents detailed data on numbers and characteristics of births in 2002, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and change in this country and in individual States. Data on maternal characteristics such as weight gain, tobacco and alcohol use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of low birthweight and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 2002 presented data on selected topics based on a substantial sample (97.9 percent) of the 2002 birth file (1). Findings for the selected measures (age, race, Hispanic origin, marital status of mother, live-birth order, prenatal care, cesarean delivery, preterm births, and low birthweight) based on the preliminary data are very similar to those presented here based on final data.

In addition to the tabulations included in this report, more detailed analysis is possible by using the Natality public-use file, which is issued for each year. The data file is available on tape and in CD-ROM format since 1968, and a selection of tables of detailed data are available on the National Center for Health Statistics (NCHS) home page at <http://www.cdc.gov/nchs/datawh/statab/unpubd/natality/natab99.htm> (2,3).

## Methods

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

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

Race and Hispanic origin are reported independently on the birth certificate. In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because the majority of women of Hispanic origin are reported as white. Most tables in this report show data for these categories: white total; non-Hispanic white; black total; non-Hispanic black; and Hispanic. Data for American Indian and Asian or Pacific Islander (API) births are not shown separately by Hispanic origin because the majority of these populations are non-Hispanic. Data are also presented for four specific Hispanic subgroups: Mexican, Puerto Rican, Cuban, and Central and South American, and for an additional subgroup “other and unknown Hispanic.” More specific Hispanic origin information for the “other and unknown Hispanic” category is not available. Data are shown for five API subgroups: Chinese, Japanese, Hawaiian, Filipino, and “other” API. In addition, 11 States report data on API subgroups included in the “other API” category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API); see “[Technical Notes](#).”

Rates for 1991–2001 may differ from those published in “Births: Final Data for 2001” (5), but are consistent with those published in “Revised Birth and Fertility Rates for the 1990s and New Rates for the Hispanic Populations, 2000 and 2001: United States” (6). U.S. and State-level birth and fertility rates for 2000–2002, and the intercensal period 1991–99 are computed using populations that were produced under a cooperative agreement with the U.S. Census Bureau and are based on counts from the 2000 census. Reflecting the new guidelines issued in 1997 by the Office of Management and Budget (OMB), the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members (7); see “[Technical Notes](#).” The 1997 OMB guidelines also provided for the reporting of Asian persons separately from Native Hawaiians or other Pacific Islanders. Under the prior OMB standards (issued in 1977), data for API persons were collected as a single group (8). Birth certificates currently collect only one race for the mother and father in the same categories as specified in the 1977 guidelines (that is, the certificates do not report Asians separately from native Hawaiians or other Pacific Islanders). Birth data by race (the numerators for birth rates) are thus currently incompatible with the population data collected in the 2000 census (denominators by race). To produce birth rates for 2000–2002, and revised intercensal rates for 1991–99, it was necessary to “bridge” the reported population data for multiple-race persons back to single-race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB race categories, that is, to report the data for Asian persons and Native Hawaiians or other Pacific Islanders as a combined category, Asian or Pacific Islanders (9). The procedures used to produce the “bridged” populations are described elsewhere (10,11). It is anticipated that “bridged” population data will be used over the next few years for computing population-based rates. Beginning with births occurring in 2003, several States began reporting multiple-race data. Once all State birth certificates are revised to be compliant with the 1997 OMB standard, the use of “bridged” populations can be discontinued.

Information on the measurement of marital status, gestational age, and birthweight; the computation of derived statistics and rates; population denominators; random variation and relative standard error; and the definitions of terms are presented in the “[Technical Notes](#).”

Information on births by age, race, or marital status of mother is imputed if it is not reported on the birth certificate. These items were not reported for less than 1 percent of U.S. births in 2002. (See



"Technical Notes" for additional information.) All other maternal and infant characteristics (except items on which length of gestation is calculated) are not imputed. Births for which a particular characteristic is unknown are subtracted from the figures for total births that are used as denominators before percents, percent distributions, and medians are computed. Thus, for example, the proportion of women receiving care in the first trimester of pregnancy is computed on the basis of births for which month prenatal care began was reported. Levels of nonreporting vary substantially by specific item and by State. Table I in the "Technical Notes" provides information on the percent of records with missing information for each item by State for 2002. Readers should note that the levels of incomplete or inaccurate reporting for some of the items are quite high in some States. Data for 2002 for Alaska, Washington, and the District of Columbia are of particular concern.

## Demographic Characteristics

### Births and birth rates

#### Number of births

The **number of births** in the United States was essentially unchanged for 2002, 4,021,726 compared with 4,025,933 in 2001. Between 1990, the most recent high point, and 1997, the most recent low point, the number of births declined 7 percent. The number of births increased 5 percent between 1997 and 2000, but has declined slightly since. (See tables 1–12 for national and State data by age, live-birth order, race, and Hispanic origin.)

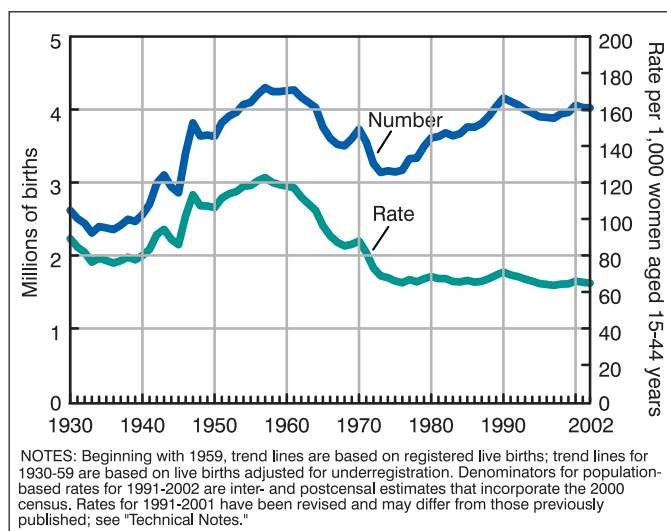
While the overall number of births for 2002 was unchanged, quite different trends were observed by **race and Hispanic origin** (tables 1 and 6). Births to non-Hispanic white and non-Hispanic black women fell 1 to 2 percent, whereas Hispanic births rose 3 percent. American Indian and Asian or Pacific Islanders (API) also rose, by 1 and 5 percent, respectively. Among the API subgroups, increases ranged from 2 percent for Japanese and Filipino, to 7 percent for Chinese births. Among Hispanics, the number of Puerto Rican births was essentially unchanged in 2002, but increases were reported for all other groups, from 2 percent for Cuban, to 7 percent for "other" Hispanic women.

#### Crude birth rate

The **crude birth rate** (CBR) fell to 13.9 live births per 1,000 total population in 2002 from 14.1 in 2001, a decrease of 1 percent. This is the lowest birth rate on record for the United States since these data became available in 1909 (3). The CBR has fallen 17 percent since 1990 (16.7), with most of the decline between 1990 and 1997. After fluctuating somewhat between 1998 and 2000, the CRB has trended downward.

#### Fertility rate

The **general fertility rate** (GFR), which relates births to the number of women in their childbearing ages, was 64.8 live births per 1,000 women aged 15–44 years in 2002, a decline of 1 percent from 2001 (65.3) and 9 percent from 1990 (70.9). From 1990 to 1997 the GFR fell 10 percent, increased 4 percent between 1997 and 2000, but has declined for the past 2 years (figure 2 and table 1).



**Figure 2. Live births and fertility rates: United States, 1930–2002**

Fertility was down for the largest race and Hispanic origin groups in 2002. Rates decreased 1 to 2 percent for non-Hispanic white (57.4 per 1,000 women aged 15–44 years in 2002), non-Hispanic black (67.4), and Hispanic women (94.4). GFRs for American Indian (58.0) and API women (64.1) were essentially unchanged. (Birth and fertility rates for the API subgroups cannot be computed because the necessary populations are not available; see "Technical Notes.") Although fertility declined among Hispanics overall, rates were up 4 percent for Cuban and "other" Hispanic women (tables 1 and 6).

While fertility has generally declined for all race and Hispanic origin groups since 1990, a comparison of recent trends reveals important differences. Declines of 8 to 9 percent were reported for non-Hispanic white and API women, compared with 24 percent for non-Hispanic black and American Indian women. Fertility was down 12 percent for Hispanics overall since 1990, with declines ranging from 14 percent for Mexican, to 21 percent for Puerto Rican women. The rate for Cuban women increased 12 percent.

#### Age of mother

**Teenagers**—Birth rates for teenagers continued to fall in 2002, reaching record lows for the United States. Rates dropped for all age groups, and generally for all race and/or ethnicity populations (tables 3, 4, 8, and 9). The **birth rate for the youngest teenagers** declined to 0.7 births per 1,000 females aged 10–14 years. The 2002 rate was exactly one-half the rate reported in 1994. Births to this age group have also declined steeply, from 12,000 to 13,000 annually in the early to mid-1990s to 7,315 in 2002. All of the recent decline in numbers of births is due to the lower likelihood of young teenagers giving birth; the number of females aged 10–14 years has risen 16 percent since 1992 (6) (table II).

The **birth rate for teenagers 15–19 years** dropped 5 percent between 2001 and 2002, from 45.3 to 43.0 per 1,000 (tables A, 4, and 9). This rate has fallen 30 percent since 1991 (61.8). The number of births to 15–19 year-olds in 2002 (425,493) was nearly 100,000 fewer than the recent peak, 521,826 in 1990. This decline resulted entirely from the falling birth rate; the number of female teenagers has increased 18 percent since 1992 (6) (table II).

**Table A. Birth rates for women aged 15–19 years, by age, race, and Hispanic origin: United States, 1991, 2001, and 2002, and percent change in rates, 1991–2002**

[Rates per 1,000 women in specified group]

Age and race and Hispanic origin of mother	2002	2001	1991	Percent change, 1991–2002
<b>10–14 years</b>				
All races <sup>1</sup>	0.7	0.8	1.4	–50
Non-Hispanic white	0.2	0.3	0.5	–60
Non-Hispanic black	1.9	2.1	4.9	–61
American Indian total <sup>2</sup>	0.9	1.0	1.6	–44
Asian or Pacific Islander total <sup>2</sup>	0.3	0.2	0.8	–63
Hispanic <sup>3</sup>	1.4	1.6	2.4	–42
<b>15–19 years</b>				
All races <sup>1</sup>	43.0	45.3	61.8	–30
Non-Hispanic white	28.5	30.3	43.4	–34
Non-Hispanic black	68.3	73.5	118.2	–42
American Indian total <sup>2</sup>	53.8	56.3	84.1	–36
Asian or Pacific Islander total <sup>2</sup>	18.3	19.8	27.3	–33
Hispanic <sup>3</sup>	83.4	86.4	104.6	–20
<b>15–17 years</b>				
All races <sup>1</sup>	23.2	24.7	38.6	–40
Non-Hispanic white	13.1	14.0	23.7	–45
Non-Hispanic black	41.0	44.9	86.2	–52
American Indian total <sup>2</sup>	30.7	31.4	52.2	–41
Asian or Pacific Islander total <sup>2</sup>	9.0	10.3	16.1	–44
Hispanic <sup>3</sup>	50.7	52.8	69.3	–27
<b>18–19 years</b>				
All races <sup>1</sup>	72.8	76.1	94.0	–23
Non-Hispanic white	51.9	54.8	70.6	–26
Non-Hispanic black	110.3	116.7	162.0	–32
American Indian total <sup>2</sup>	89.2	94.8	132.9	–33
Asian or Pacific Islander total <sup>2</sup>	31.5	32.8	43.0	–27
Hispanic <sup>3</sup>	133.0	135.5	155.1	–14

<sup>1</sup>Includes races other than white and black.

<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. 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."

<sup>3</sup>Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Race categories are consistent with the 1977 Office of Management and Budget guidelines; see "Technical Notes." Rates for 1991 and 2001 have been revised and may differ from those previously published; see "Technical Notes."

**Birth rates have declined for teenagers 15–17 and 18–19 years (tables 4 and 9).** The rate for teenagers 15–17 years fell 6 percent, from 24.7 per 1,000 in 2001 to 23.2 in 2002. This rate has plunged 40 percent since 1991 (38.6). The rate for older teenagers 18–19 years was 72.8 per 1,000 in 2002, down 4 percent from 2001 (76.1), and 23 percent from 1991 (94.0). The number of births to teenagers 15–17 years declined to 138,731, the fewest in half a century (138,578 in 1953). Births to older teenagers have also fallen steeply, to 286,762, the fewest reported since 1946 (235,282).

**Teenage birth rates by race and ethnicity continue to differ considerably (tables 3, 4, 8, and 9).** In 2002 the rates per 1,000 females aged 15–19 years ranged from 18.3 for API to 94.5 for Mexicans. The rates for other groups were 28.5, non-Hispanic white; 53.8, American Indian; 61.4, Puerto Rican; 63.0, "other" Hispanic; and 68.3, non-Hispanic black.

Teenage childbearing has fallen for all groups since the early 1990s. Declines for non-Hispanic black teenagers are particularly striking, with the rate per 1,000 aged 15–19 years falling 42 percent

from 1991 (118.2) to 68.3 in 2002 (figure 1). The rate for young black teenagers has plummeted by more than half, from 86.2 per 1,000 aged 15–17 years in 1991 to 41.0 in 2002.

Since 1991 teenage birth rates per 1,000 females aged 15–19 years fell 33 to 36 percent for American Indian, API, and non-Hispanic white teenagers, and 20 percent for Hispanic teenagers. The rate for Mexican teenagers peaked more recently, in 1995, and has declined 18 percent since then.

#### **Teenage pregnancy rates have fallen steeply in recent years.**

Pregnancy rates are based on the sums of live births, induced abortions, and fetal deaths. Teenage pregnancy rates are available through 1999, the most recent year for which detailed abortion data have been published (12,13). The pregnancy rate per 1,000 females aged 15–19 years for 1999 was 86.7, the lowest ever reported since the Centers for Disease Control and Prevention (CDC), NCHS series of pregnancy estimates began in 1976. The 1999 rate was 25 percent lower than the recent peak of 116.3 in 1990. The declines in teenage pregnancy rates in the 1990s reflect reductions in both live births and induced abortions.

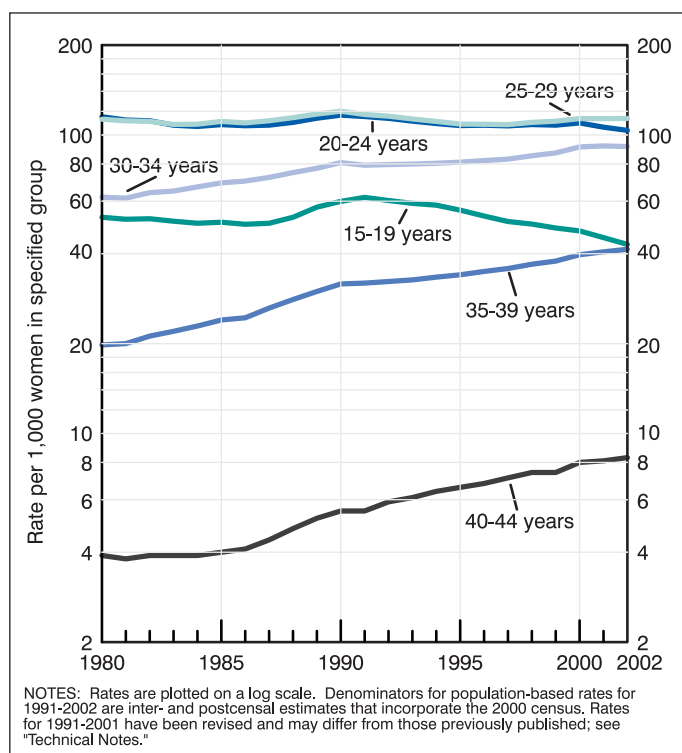
A number of factors have been suggested to account for the recent declines in teenage pregnancy and birth rates. There have been steady reductions in the proportions of teenagers who are sexually experienced. A report of the most recently conducted Youth Risk Behavior Survey conducted by CDC in 2001 cites findings of decreases in the proportions of teenagers who have ever had sex and who have had multiple partners, along with increases in condom use among sexually active teenagers (14). Over the past decade, many public and private efforts have focused teenagers' attention on the importance of pregnancy prevention through abstinence and responsible behavior (15,16). Findings from the just-completed Cycle 6 of the National Survey of Family Growth (available in 2004) are expected to help explain the trends and patterns in teenage pregnancy rates.

#### **Women aged 20 years and over: women in their twenties—**

The birth rate for women aged 20–24 years was 103.6 per 1,000 in 2002, a decrease of 2 percent from 2001 (106.2). During the first half of the 1990s, the rate for this group steadily declined, falling 8 percent from 1990 (116.5) to 1995 (107.5). Between 1995 and 2000, the rate fluctuated, but has renewed its downward trend, falling 6 percent from 2000 (109.7) (figure 3, tables 3, 4, 8, and 9). The rate for women aged 25–29 years in 2002, 113.6 per 1,000, did not essentially change from 2001 (113.4). Between 1990 and 1997, the rate for this group also steadily declined, falling 10 percent, from 120.2 to 108.3. Following increases during 1998–2000, the rate has been relatively stable. Women in their twenties, the principal childbearing ages, historically account for the largest share of births. However, the proportion of births to these women has declined in recent years, dropping from two-thirds of all births in 1980, to about half in 2002.

**Women in their thirties—**The birth rate for women aged 30–34 years declined to 91.5 per 1,000 in 2002 from 91.9 in 2001 (tables 4 and 9). This marks the first decline in the birth rate for this age group in more than a decade; the rate had increased steadily at about 1 percent per year between 1991 and 2001. The number of births to women for this age group increased 1 percent for the current year, reflecting the increase in the number of women in that age group. The birth rate for women aged 35–39 years increased 2 percent in 2002, to 41.4 births per 1,000 women from 40.6 in 2001. Between 1990 and 2002, the rate rose by 31 percent, with an average increase of 3 percent per year. The number of births to women aged 35–39 years





**Figure 3. Birth rates by age of mother: United States, 1980–2002**

reached another record high in 2002 (453,927). This number has risen by 43 percent since 1990 (317,583), compared with a 9 percent increase in the population of this age group (9,17).

**Women in their forties**—The birth rate for women aged 40–44 years increased from 8.1 to 8.3 per 1,000 for 2001–2002, the highest rate reported since 1969. Rates for this age group have risen 51 percent since 1990 (from 5.5). During 1990–2002, the number of births to this age group nearly doubled, from 48,607 to 95,788. The birth rate for women aged 45–49 years was unchanged in 2002 at 0.5. This rate more than doubled between 1990 and 2000, but has been stable since 2000. The number of births to women aged 45–49 years increased 8 percent (to 5,224) between 2001 and 2002, and has more than quadrupled since 1984 (1,108). The current number is the highest reported since 1945 (5,554). This increase reflects both the continued increase in the number of women in this age group (born between 1953 and 1957), and their greater likelihood to give birth.

**Births to women aged 50 years and over**—There were 263 births to women aged 50–54 years in 2002, a 10-percent increase over the 239 births reported for 2001 (tables 2 and 7). The number of births to this group has increased 13 percent annually since 1997 (144) when data for this age group became available again. (From 1964 to 1996, age of mother was imputed if the reported age was under 10 years or 50 years and over; see "Technical Notes.") Despite the increase, the number of births to women aged 50–54 years remains too small to compute age-specific birth rates. In computing birth rates by age of mother since 1997, births to women aged 50–54 years have been included with births to women 45–49 years; the denominator for the rate is women aged 45–49 years.

The increase in birth rates for women 35 years of age and over during the past 20 years has been linked, at least in part, to the use

of fertility-enhancing therapies (18). The proportion of childless women aged 35–44 years reporting impaired fecundity who sought fertility treatment rose considerably from 1982 to 1995 (19–21). In 2002, 1 out of 18 births to women aged 40–44 years, and 2 out of 9 births to women aged 45–54 years was a multiple delivery, an outcome associated with infertility treatment (see section on "Multiple births").

### Live-birth order

The first birth rate for women in their childbearing years declined 1 percent in 2002 to 25.8 per 1,000 from 26.0 in 2001 (table 5). The rate for 2002 was 11 percent lower than in 1990 (29.0). Rates for second- and third-order births also decreased by 1 percent between 2001 and 2002, whereas the rates for fourth- and sixth- and higher order births were unchanged. The rate for fifth-order births decreased (from 1.6 to 1.5).

The first birth rate decreased 1 percent overall, but there were substantial differences in trends by age of mother (see table 3). First birth rates declined for women 15–24 years, but increased for most age groups 25 years of age and over. Since 1990, first birth rates have decreased for women under age 30 years and increased for women aged 30 years and over; see figure 4.

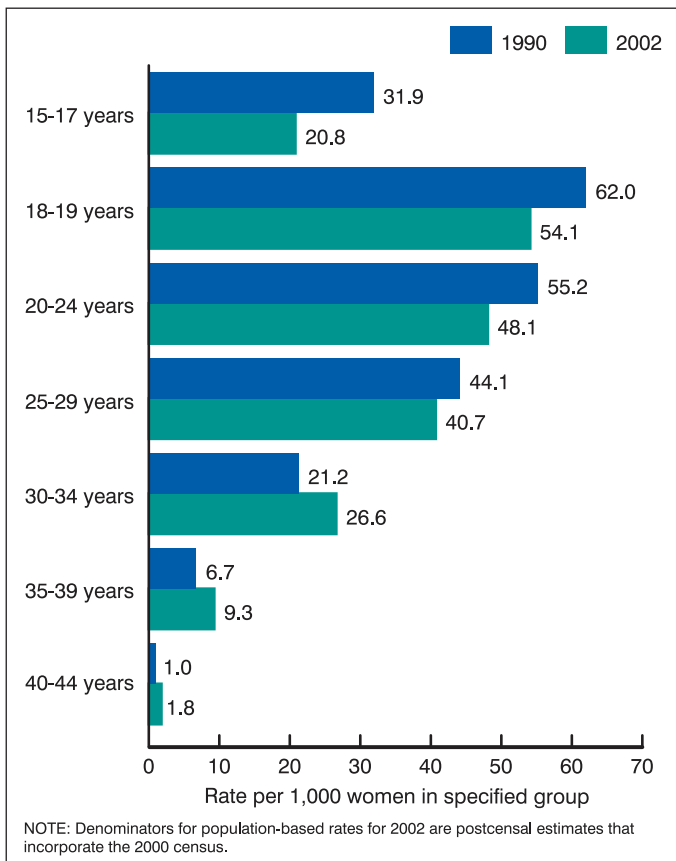
Another useful measure in interpreting childbearing patterns is the **mean age at first birth**. The mean is the arithmetic average of the age of mothers at the time of birth and is computed directly from the frequency of first births by age of mother. The mean age of first-time mothers was slightly higher in 2002, 25.1 years, compared with 25.0 years in 2001. This is an all-time high for the United States and attests to the continuing tendency of women to postpone childbearing (22). Since 1970, the mean age at first birth has risen 3.7 years (from 21.4 years) (data not shown).

Mean age at first birth varies considerably by race and Hispanic origin. In 2002 Japanese women had the highest mean age at first birth, 31.0 years, whereas American Indian women have the lowest, 21.8 years (figure 5). From 1990 to 2002, the mean age at first birth increased (on average 1 year) for nearly all race and Hispanic origin groups.

### Total fertility rate

The **total fertility rate** (TFR) summarizes the potential impact of current fertility patterns on completed family size. The TFR estimates the number of births that a hypothetical cohort of 1,000 women would have if they experienced throughout their childbearing years the same age-specific birth rates observed in a given year. The rate can be expressed as the average number of children that would be born per woman. Because it is computed from age-specific birth rates, the TFR is age-adjusted and can be readily compared for populations across time or among geographic areas.

The TFR in 2002 was 2,013 (or 2.01 births per woman), 1 percent lower than the rate in 2001 (2,034) (tables 4 and 9). Throughout most of the 1990s, the TFR declined, dropping 5 percent between 1990 and 1997 (from 2,081, the most recent high, to 1,971). After a brief increase from 1997 to 2000 (2,056.0), the TFR has declined 2 percent. The decrease in the TFR between 2001 and 2002 is the result of a decrease in the age-specific birth rates for women under age 25 years and women aged 30–34 years (see section on "Age of mother").



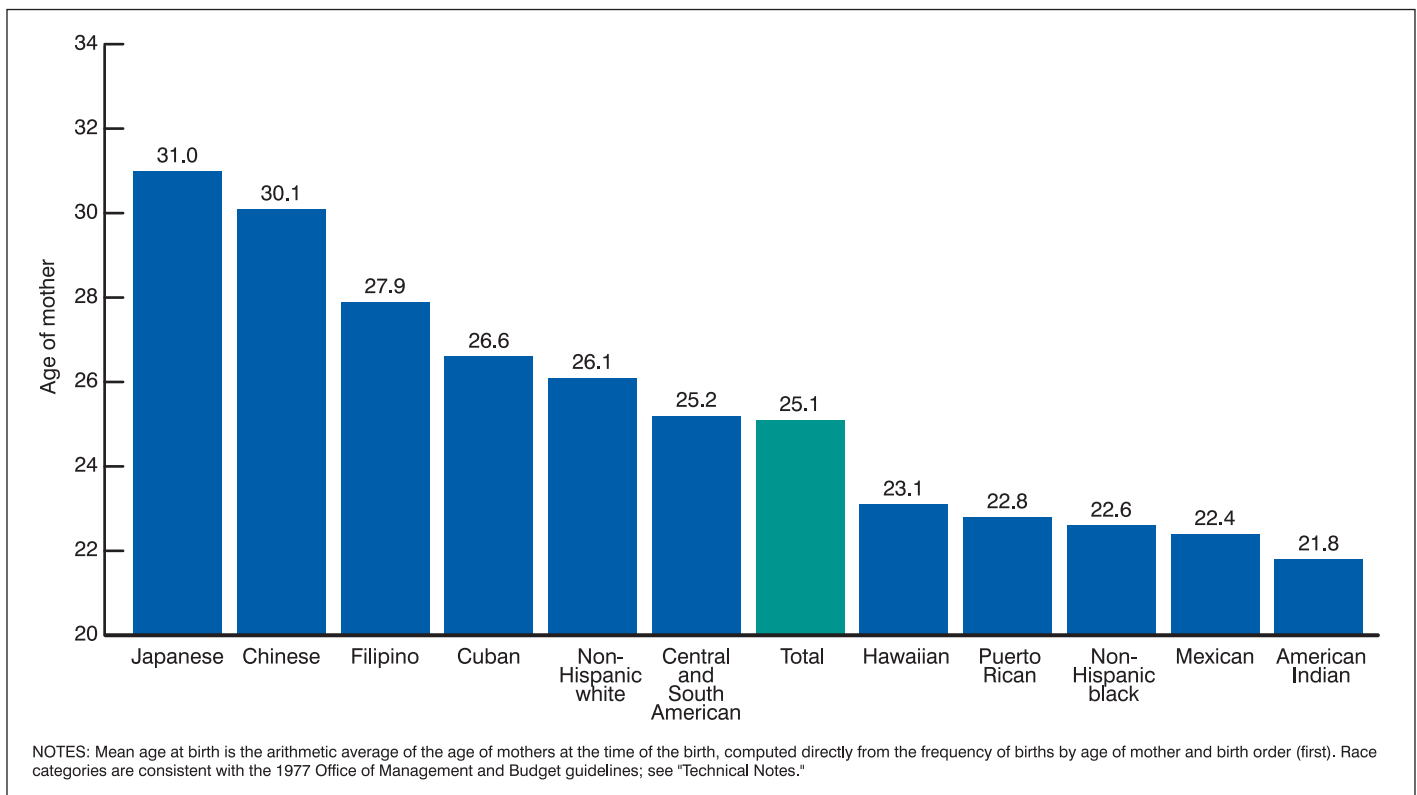
**Figure 4. First birth rates by age of mother: United States, 1990 and 2002**

The TFRs for most race and ethnic groups decreased 3 percent or less between 2001 and 2002; substantial differences among the groups persist. The TFR for Puerto Rican women decreased 10 percent, whereas the TFRs for “other” Hispanic and Cuban women were up 4 and 8 percent, respectively. The TFRs for American Indian and API women were essentially unchanged.

Differences between these groups are even more apparent when their rates are compared with the “replacement” rate. The “replacement” rate is the rate at which a given generation can exactly replace itself (2,100 births per 1,000 women). The U.S. TFR (2,013) was below the “replacement” rate in 2002. Although the TFRs for most groups were below “replacement” in 2002, the rate was above “replacement” for Mexican (2,880) and “other” Hispanic women (2,611) (tables 4, 9, 13, and 14). State-specific TFRs for 2002 are discussed in the next section.

### Births and birth rates by State

Between 2001 and 2002, the number of births in the United States was essentially unchanged. However, the number of births increased significantly in six States (Arizona, Colorado, Nevada, Texas, Utah, and Wyoming) and decreased in seven States (Alabama, Illinois, Indiana, Michigan, New York, Ohio, and South Carolina), Puerto Rico, Guam, and the Northern Marianas (tables 10–12). Of the six States with increasing numbers of births, all were located west of the Mississippi River. Four of these States (Arizona, Colorado, Nevada, and Texas) have substantial proportions (31 to 48 percent) of births to Hispanic women, the population group with the largest absolute increase in births in 2002. Increased births in the west were offset by declines in many eastern States, which as a



**Figure 5. Mean age of mother at first birth by race and Hispanic origin of mother: United States, 2002**

group have accounted for a gradually decreasing proportion of all births since 1990 (56 percent in 2002 compared with 58 percent in 1990).

Much of the westward shift in the distribution of births in the United States is attributable to a westward shift in the distribution of the overall population. However, notable differences persist between eastern and western States when changes in the size of the underlying population are taken into account (i.e., when crude birth rates are examined). In 2002 the **crude birth rate** by State ranged from 10 births per 1,000 total population (Maine and Vermont) to 21 per 1,000 (Utah) ([table 10](#)). Between 2001 and 2002 rates declined significantly in 19 States (17 eastern States), Puerto Rico, Guam, and the Northern Marianas. The birth rate for Wyoming was the only rate to increase significantly.

In 2002 **State-specific fertility rates**, which provide a more refined picture of childbearing, ranged from a low of 49 births per 1,000 women aged 15–44 years (Vermont) to a high of 91 (Utah) ([table 10](#)). Between 2001 and 2002, fertility rates declined significantly in 10 States (9 of which were east of the Mississippi), Puerto Rico, Guam, and the Northern Marianas. Significant increases were observed in Colorado, Texas, and Wyoming.

State-specific **TFRs** for 2002, which provide a summary of lifetime fertility, are shown in [table 10](#). The TFRs by State for 2002 also vary substantially, ranging from highs for Alaska and Utah of 2,550.5 and 2,544.0, respectively (or 2.6 and 2.5 births per woman), to a low of 1,604.0 (1.6 births per woman) for Vermont. The lowest TFR reported for 2002 was for the District of Columbia (1,582.5). Differences in TFRs and changes between 2001 and 2002 by State are similar to those noted for the general fertility rate.

### Birth rate for teenagers by State

Birth rates for teenagers by State are shown for 2002 in [tables B and 10](#). In 2002 State-specific birth rates per 1,000 women aged 15–19 years ranged from 20.0 (New Hampshire) to 64.7 (Mississippi). The highest rate reported for 2002 was for the District of Columbia, 69.1. Between 2001 and 2002 teenage birth rates declined in 45 States with significant decreases in 23 States, Puerto Rico, and the Northern Marianas. Other changes between 2001 and 2002 were not statistically significant. Since 1991 teenage birth rates have declined significantly in all States, the District of Columbia, Guam, Puerto Rico, and the Virgin Islands. Birth rates for teenagers declined by 30 percent or more in 19 States, the District of Columbia, and Guam. A review of trends and variations in teenage childbearing by age, race, and Hispanic origin, is presented in a recent report (23).

### Sex ratio

In 2002 there were 2,057,979 male and 1,963,747 female live births, or 1,048 males for every 1,000 females births ([tables 13 and 14](#)). This year's overall sex ratio is similar to last year's ratio of 1,046; the U.S. sex ratio has changed very little over the past half century.

Similar to previous years, some of the highest sex ratios were for infants of API mothers. The highest sex ratio in 2002 was for infants of Japanese mothers (1,089), followed by Hawaiian (1,075), Chinese, and Filipino (1,070). The sex ratio of infants born to Hispanic mothers (1,041), as in previous years, fell between non-Hispanic white (1,054) and non-Hispanic black (1,032). Sex ratios for Hispanic subgroups

ranged from 1,038 for infants born to Mexican mothers, to 1,061 for Puerto Rican. In 2002 the lowest sex ratio of any group was for American Indians (1,023).

### Month of birth

As would be expected in a year when overall birth and fertility rates declined, monthly birth and fertility rates were down for most months in 2002. Between 2001 and 2002 observed monthly birth and fertility rates, which take into account the different number of days in the month, increased significantly over the previous year for 3 months (July, September, and December). Birth rates declined for all other months. Fertility rates were down for 6 months (January, March, May, June, August, and November). The birth rate peaked in August and September (14.7) and was lowest in November (13.4) ([table 15](#)). Similarly, the fertility rate was highest in September (68.4) and lowest in November (62.4), consistent with the historic pattern of rates peaking during the summer and falling in the late fall and winter.

### Day of the week of birth

In 2002 there were on average 11,018 births per day ([table 16](#)). As in previous years, however, the average number of births varied considerably by day of the week. In 2002 the average number of births on Tuesday (12,581) was two-thirds more than on Sunday (7,526).

Variation in the daily pattern of births can be measured with an index of occurrence. The index is defined as the ratio of the average number of births per day of the week to the average number of births per day of the year with the base set at 100. In 2002 the index for Tuesday was 114.2, indicating that there were 14.2 percent more births on Tuesday than on the average day. As in previous years, infants in 2002 were much less likely to be born on weekends; Sunday (68.3), followed by Saturday (77.8). The overall index of occurrence for Saturday and Sunday has declined 12 and 20 percent, respectively, since 1982.

A weekend deficit exists for vaginal deliveries, but is conspicuously larger for cesarean deliveries, particularly repeat cesareans, which are more likely to be scheduled and thus less likely to occur on weekends. In 2002 the Sunday index for vaginal births was 75.0, compared with 60.5 for primary cesareans, and 33.5 for repeat cesareans. Since 1989, when these data first became available, the weekend birth deficit for cesarean births has grown. Between 1989 and 2002 the Sunday index for all cesarean deliveries fell 18 percent, from 60.7 to 49.9.

### Births to unmarried women

The **birth rate for unmarried women** was essentially unchanged in 2002, at 43.7 births per 1,000 unmarried women aged 15–44 years, compared with 43.8 in 2001 ([tables C, 17, and 18](#)). The rate has changed little since 1995, ranging from 42.9 (1997) to 44.3 (1995); see [figure 6](#). The **number of births to unmarried women** reached 1,365,966 in 2002, a 1-percent increase compared with 2001 (1,349,249), and the highest number ever reported in the more than six decades for which comparable data are available (24). Increases in the number of nonmarital births since 1995 are due almost entirely to the 10-percent rise in the number of unmarried women of childbearing age (25–27); the birth rate for unmarried women has been essentially stable. Of all births in 2002, **34.0**

**Table B. Birth rates for teenagers 15–19 years by State, 1991 and 2002, and percent change, 1991–2002: United States and each State and territory**

[Birth rates per 1,000 estimated female population aged 15–19 years in each area]

State	1991	2002	Percent change, 1991–2002	State	1991	2002	Percent change, 1991–2002
United States <sup>1</sup>	61.8	43.0	–30	Nebraska	42.4	37.0	–13
Alabama	73.6	54.5	–26	Nevada	74.5	53.9	–28
Alaska	66.0	39.5	–40	New Hampshire	33.1	20.0	–40
Arizona	79.7	61.2	–23	New Jersey	41.3	26.8	–35
Arkansas	79.5	59.9	–25	New Mexico	79.5	62.4	–22
California	73.8	41.1	–44	New York	45.5	29.5	–35
Colorado	58.3	47.0	–19	North Carolina	70.0	52.2	–25
Connecticut	40.1	25.8	–36	North Dakota	35.5	27.2	–23
Delaware	60.4	46.3	–23	Ohio	60.5	39.5	–35
District of Columbia	109.6	69.1	–37	Oklahoma	72.1	58.0	–20
Florida	67.9	44.5	–34	Oregon	54.8	36.8	–33
Georgia	76.0	55.7	–27	Pennsylvania	46.7	31.6	–32
Hawaii	59.2	38.2	–35	Rhode Island	44.7	35.6	–20
Idaho	53.9	39.1	–27	South Carolina	72.5	53.0	–27
Illinois	64.5	42.2	–35	South Dakota	47.6	38.0	–20
Indiana	60.4	44.6	–26	Tennessee	74.8	54.3	–27
Iowa	42.5	32.5	–24	Texas	78.4	64.4	–18
Kansas	55.4	43.0	–22	Utah	48.0	36.8	–23
Kentucky	68.8	51.0	–26	Vermont	39.2	24.2	–38
Louisiana	76.0	58.1	–24	Virginia	53.4	37.6	–30
Maine	43.5	25.4	–42	Washington	53.7	33.0	–39
Maryland	54.1	35.4	–35	West Virginia	58.0	45.5	–22
Massachusetts	37.5	23.3	–38	Wisconsin	43.7	32.3	–26
Michigan	58.9	34.8	–41	Wyoming	54.3	39.9	–27
Minnesota	37.3	27.5	–26	Puerto Rico	72.4	62.2	–14
Mississippi	85.3	64.7	–24	Virgin Islands	77.9	56.8	–27
Missouri	64.4	44.1	–32	Guam	95.7	64.7	–32
Montana	46.8	36.4	–22	American Samoa	---	46.2	---
				Northern Marianas	---	42.3	---

--- Data not available.

<sup>1</sup>Excludes data for the territories.

NOTE: Rates for 1991 have been revised and may differ from those previously published; see "Technical Notes."

**percent were to unmarried women.** This percent has increased very slowly in recent years, from 32.4 (1996–97) to 34.0 in 2002.

In 2002 as in every year since 1998, all States except Michigan and New York reported mother's marital status through a direct question on the birth certificates. Michigan and New York infer the mother's marital status on the basis of other information on the birth certificate; see "Technical Notes" for detailed information.

Birth rates for unmarried women are typically highest for women in their early twenties (tables 17 and 18). The rate in 2002 was 70.5 births per 1,000 aged 20–24 years. The rate for unmarried women aged 25–29 years was 61.5, and for older teenagers 18–19 years, it was 58.6 per 1,000. Rates were considerably lower for women in their thirties and older, as well as for younger teenagers 15–17 years.

**Birth rates for unmarried women vary widely by race and Hispanic origin.** In 2002 the rate for Hispanic women was highest at 87.9 per 1,000, followed by black women at 66.2, non-Hispanic white women at 27.8, and Asian or Pacific Islander (API) women, at 21.3. The birth rate for unmarried black women has fallen steeply during the 1990s through 2002, from 90.5 per 1,000 in 1990 to 66.2 in 2002, a 27-percent drop. The rate for non-Hispanic white women has varied little since 1994 (28.5). The rate for API women, available only for 2000–2002, has also been essentially stable. The rate for Hispanic women in 2002 was 8 percent below its 1994 peak, but has trended slowly up since 1998 (82.8 per 1,000).

Birth rates for unmarried black and Hispanic teenagers are quite comparable, but at ages 20 years and over, rates for Hispanic women are increasingly higher than for black women with advancing maternal age. Birth rates by age for unmarried API women are consistently lowest of all.

Birth rates for unmarried teenagers continued to decline in 2002. The overall rate for ages 15–19 years has dropped 23 percent since 1994; declines for younger teenagers were more than double the declines for older teenagers (34 compared with 15 percent). Among population subgroups, rates for unmarried black teenagers have fallen most steeply. The rate for unmarried black teenagers 15–17 years has fallen by half since 1991, from 79.9 to 39.9 per 1,000, and the rate for older black teenagers declined by 29 percent, to 104.1. Since the mid-1990s rates for unmarried non-Hispanic white teenagers have declined as well, by 36 percent for ages 15–17 years and 14 percent for ages 18–19 years, whereas the rates for unmarried Hispanic teenagers have declined more slowly.

The birth rate for unmarried women aged 20–24 years has declined slightly since 2000, by 2 percent, while the rate for women aged 25–29 years has risen steadily since 1997, by 15 percent. Rates for women in their thirties and older have increased as well since the mid-1990s.

The **proportions of all births that are to unmarried women** increased slightly for non-Hispanic white (23.0 percent) and Hispanic



**Table C. Number, rate, and percent of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–2002**

Year	Births to unmarried women			Birth rate for married women <sup>3</sup>
	Number	Rate <sup>1</sup>	Percent <sup>2</sup>	
2002 . . . . .	1,365,966	43.7	34.0	86.3
2001 . . . . .	1,349,249	43.8	33.5	86.7
2000 . . . . .	1,347,043	44.0	33.2	87.4
1999 . . . . .	1,308,560	43.3	33.0	84.8
1998 . . . . .	1,293,567	43.3	32.8	84.2
1997 . . . . .	1,257,444	42.9	32.4	82.7
1996 . . . . .	1,260,306	43.8	32.4	82.3
1995 . . . . .	1,253,976	44.3	32.2	82.6
1994 . . . . .	1,289,592	46.2	32.6	82.9
1993 . . . . .	1,240,172	44.8	31.0	86.1
1992 . . . . .	1,224,876	44.9	30.1	88.5
1991 . . . . .	1,213,769	45.0	29.5	89.6
1990 . . . . .	1,165,384	43.8	28.0	93.2
1989 . . . . .	1,094,169	41.6	27.1	91.9
1988 . . . . .	1,005,299	38.5	25.7	90.8
1987 . . . . .	933,013	36.0	24.5	90.0
1986 . . . . .	878,477	34.2	23.4	90.7
1985 . . . . .	828,174	32.8	22.0	93.3
1980 . . . . .	665,747	29.4	18.4	97.0

<sup>1</sup>Births to unmarried women per 1,000 unmarried women aged 15–44 years.<sup>2</sup>Percent of all births to unmarried women.<sup>3</sup>Births to married women per 1,000 married women aged 15–44 years.

NOTE: Rates for 1991–2001 have been revised and may differ from those previously published; see “Technical Notes.”

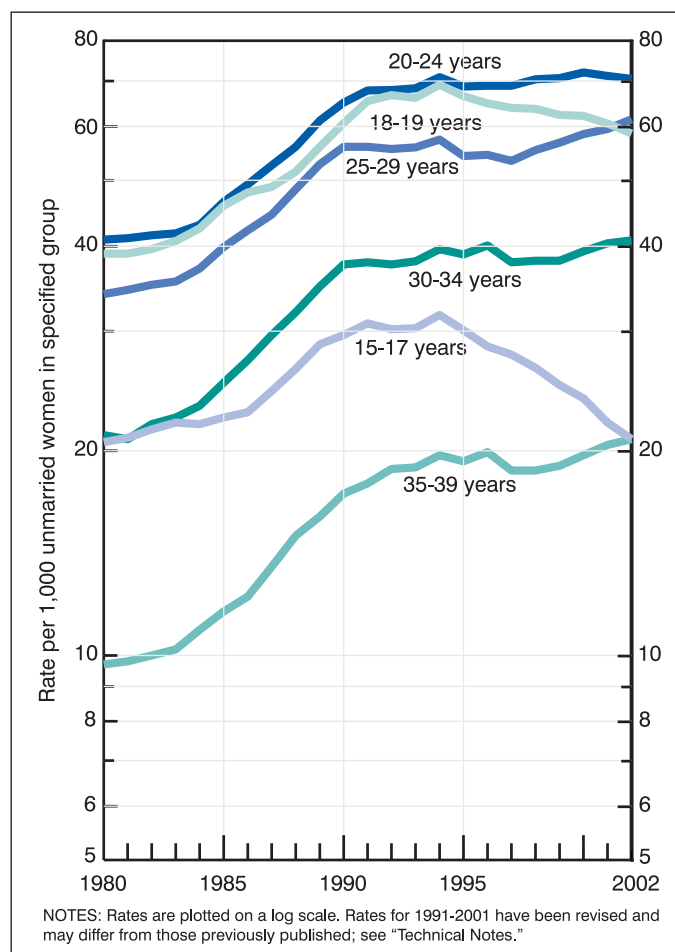
women (43.5 percent) in 2002. The proportion of births to non-Hispanic black women declined slightly to 68.4 percent. The percent for American Indian women was 59.7, and for API women, it was 14.9. There are substantial variations in these proportions for Hispanic and API subgroups (tables 13, 14, 17, and 19).

Changes in both marital and nonmarital fertility affect the proportion of births that are to unmarried women. In recent years, the proportion has inched up, primarily because births to married women have declined by 2 percent since 2000, whereas births to unmarried women increased slightly, by 1 percent.

The numbers and proportions of births to unmarried women by race and Hispanic origin by State are shown in table 19. In general, the number of States reporting increases in these measures far outpaced the number with declines. The number of births to unmarried women rose in 37 States and American Samoa, and declined in 13 States, the District of Columbia, and in all territories except for American Samoa. The percent of births to unmarried women increased in 41 States and all territories except for Guam, declined in 5 States, the District of Columbia, and Guam, and was unchanged in 4 States.

### Age of father

The birth rate per 1,000 men aged 15–54 years was 48.4 in 2002 (table 20), a decrease of 1 percent from 2001 (49.0 per 1,000) and the lowest level ever reported. Between 1990 and 1997, the overall birth rate for men declined 15 percent; the rate fluctuated slightly between 1998 and 2000 and has declined since. For 2001–2002, age-specific birth rates for males under age 35 years were down, birth rates for men between ages 35 and 49 years were up; rates for men aged 50 years and over were unchanged.

**Figure 6. Birth rates for unmarried women, by age of mother: United States, 1980–2002**

The birth rates for teenage males (15–19 years) fell 6 percent between 2001 and 2002 (from 18.5 to 17.4) and has declined 29 percent, from 24.6 per 1,000 since 1994. The downturn in birth rates for male teenagers echoes declines in the birth rate for female teenagers that began in the early 1990s (see section on “Age of mother”). Declining birth rates among younger fathers as well as rising birth rates among older fathers have resulted in a 1-year increase in the median age of fathers, from 28.7 to 29.7 years, between 1992 and 2002 (tabular data not shown).

Information on age of father is often missing on birth certificates of children born to women under 25 years of age and unmarried women (24). In 2002 age of father was not reported for 13 percent of all births, 24 percent of births to all women under 25 years of age, and 38 percent of all nonmarital births. In computing birth rates by age of father, births where age of father is not stated were distributed in the same proportion as births where age of father is stated within each 5-year age interval of mother. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. The procedures for computing birth rates by age of father are described in more detail in the “Technical Notes.”

## Educational attainment

In 2002, 78.5 percent of women who gave birth had at least 12 or more years of schooling (a high school education), and 25.9 percent had 16 or more years of schooling (4 years of college) ([table 21](#)), slight increases from 78.3 percent and 25.2 percent in 2001. The educational attainment of women giving birth (based on completed years of education at the time of birth) has increased substantially over the past few decades. Since 1970 the proportion of mothers with 12 or more years of schooling has increased 14 percent (from 69 percent) and those with 16 or more years of schooling has nearly tripled (from 9 percent). This trend reflects in part increases in educational attainment of all women during that time (28).

Maternal education has long been considered an important factor in fertility and health. The educational attainment of women has been shown to have a profound effect on the number of births and the risk of adverse birth outcome. Women with higher educational attainment are more likely to desire and give birth to fewer children and are less likely to engage in behaviors detrimental to health and pregnancy (19,23,29).

The median educational attainment for all mothers was 12.9 years in 2002, unchanged since 1998. Since 1970 the median education of mothers has increased less than 1 year (12.4) (tabular data not shown).

Although the overall trend in educational attainment has increased, variations by race and ethnicity exist. Almost all Japanese women giving birth in 2002 completed 12 years of school (98 percent), whereas slightly more than half of Hispanic women completed high school (52 percent). While the overall proportion of Hispanic mothers with at least 12 years of schooling was comparatively low, variation among Hispanic subgroups was wide, ranging from 46 percent of Mexican mothers to 88 percent of Cuban mothers. In 2002, 88 percent of non-Hispanic white women and 76 percent of non-Hispanic black women completed high school ([tables 13, 14, and 21](#)).

## Maternal Lifestyle and Health Characteristics

### Weight gain

In 2002 the median weight gain for all pregnancies was 30.5 pounds, unchanged over the previous 5 years. Between 1990 and the present, this measure has varied only one-tenth of a pound. In 2002, 10.8 percent of women with at least term births (40 weeks of gestation or more) gained less than 16 pounds, considered inadequate weight gain for most women; 21.2 percent had weight gains of more than 40 pounds, considered excessive in most cases ([table 22](#)). Between 1989 (when data became available) and 2002, the percent of all mothers who gained less than 16 pounds increased 33 percent (from 9.4 to 12.2) and the percent who gained over 40 pounds rose by a similar amount (from 15.1 to 19.2). In 2002 a large proportion of mothers had weight gains outside of the guidelines recommended by the Institute of Medicine (IOM) (30).

Both excessive and insufficient maternal weight gain during pregnancy influence pregnancy outcomes. Inadequate maternal weight gain has been associated with an increased risk of intrauterine growth retardation, shortened period of gestation, low birthweight, and perinatal mortality. High weight gain during pregnancy has been linked with an elevated risk of a large-for-gestational-age (LGA) infant, cesarean

delivery, and long-term maternal weight retention. Based on the mother's body mass index (BMI), the IOM guidelines recommend that women who are underweight gain 28 to 40 pounds, and those who are of normal weight gain 15 to 25 pounds. For extremely obese women, the IOM recommends a minimum weight gain of 15 pounds. However, it recommends that weight gain goals be tailored to individual needs (30).

BMI is calculated from a woman's prepregnancy weight and height, neither of which is available from the birth certificate, which only captures information on weight gained during pregnancy. Therefore, it is not possible from these data to determine whether the weight gain was within the recommendations for the mother's BMI. However, these data do allow us to estimate weight gain outside of the recommended ranges for women of any BMI.

Weight gained during pregnancy differed widely by racial/ethnic groups. The percent of non-Hispanic black women with inadequate weight gains of under 16 pounds was 17.8 in 2002, 75 percent higher than the level for non-Hispanic white women (10.2 percent) ([table 25](#)). American Indian women also had comparatively high rates of inadequate weight gain (17.0 percent gained under 16 pounds). Among the API subgroups, Japanese women were most likely to gain under 16 pounds in 2002 (11.8 percent) and Chinese women were the least likely (6.9 percent) ([table 24](#)). Among the Hispanic subgroups, Mexican mothers were more than twice as likely to gain less than 16 pounds than Cuban mothers (16.7 compared with 7.9 percent) ([table 25](#)).

Levels of both inadequate and excessive weight gain have increased since 1989 for almost all racial and Hispanic origin groups. The rise in excessive weight gains of over 40 pounds cannot be attributed to the sharp rise in the multiple birth rate (women with multifetal pregnancies tend to gain more weight than women with singleton pregnancies) (30). Excessive weight gain has increased among mothers of singleton deliveries at the same pace (27 percent) as that for all pluralities.

Maternal weight gain also has been shown to have a positive correlation with infant birthweight. In 2002 as in previous years, the percent of low birthweight infants declined with increasing maternal weight gain through 36 to 40 pounds (from 13.9 to 5.6 percent) ([table 23](#)). The declining trend begins to reverse for weight gains of 40 pounds or more, but does not approach the level of risk for inadequate gain.

### Medical risk factors

In 2002 the most frequently reported medical risk factors were **pregnancy-associated hypertension** (37.8 per 1,000 live births), **diabetes** (32.8), and **anemia** (25.7) ([table 26](#)). These have been the most frequently reported risk factors since these data have been available from birth certificates (1989). The rate of pregnancy-associated hypertension (at 37.8 for 2002) has been essentially unchanged since 2000, after steadily rising during the 1990s (from 27.2). Rates for diabetes and anemia rose about 40 percent between 1989 and 2002. Pregnancy-associated hypertension, chronic hypertension, and eclampsia are all closely related hypertensive disorders, but the latter two are rarer conditions. The rate for **chronic hypertension** has increased since 1990 (6.5 in 1990; 8.4 in 2002), whereas the **eclampsia rate** has declined (4.0 in 1990; 3.2 in 2002).

Medical risk factors during pregnancy can contribute to serious complications and maternal and infant morbidity and mortality,

particularly if not treated properly (31–33). Sixteen medical risk factors that can affect pregnancy outcome are separately identified on the birth certificate ([table 26](#)). Medical risk factor data were missing from only 0.7 percent of records for 2002, continuing a trend of considerable improvement over previous years. However, birth certificate data may underreport or incorrectly report medical risk factor prevalence due to a lack of adherence to uniform definitions and difficulty in interpreting data from medical records (34). Rates for rarely occurring medical risk factors and for smaller population groups can vary from year to year and should be used with caution.

The risk of having a medical condition during pregnancy often differs by maternal age ([table 26](#)). For example, teenage mothers are one-and-a-half times as likely to have anemia during pregnancy compared with women aged 40 years and over (3.6 compared with 2.1 percent). Older mothers, however, are much more prone to chronic conditions such as diabetes (7.7 for mothers 40 years and over compared with 1.0 for mothers under age 20 years); chronic hypertension (2.6 compared with 0.3); and cardiac disease (1.0 compared with 0.3). Other risk factors, however, such as lung disease and pregnancy-associated hypertension, have higher rates at both the oldest and youngest ages.

The reported rate of **hydramnios/oligohydramnios** (the excess or shortage of amniotic fluid) has consistently increased during the 1990s, more than doubling between 1990 and 2002 (from 5.9 to 13.9). These conditions have been associated with maternal diabetes. **Acute or chronic lung disease** (e.g., asthma, tuberculosis) also has risen dramatically. The rate of lung disease has more than tripled between 1990 and 2002 (from 3.0 to 12.3 per 1,000) and has increased for all age groups, most notably for younger women. In the early 1990s, this condition was slightly more prevalent in older women.

The levels of medical risk factors during pregnancy can also vary greatly by maternal race and ethnicity ([tables 27 and 28](#)). In 2002 both American Indian and Hawaiian women had higher rates of anemia than other groups (56.7 and 55.2 per 1,000, respectively, compared with 22.9 percent for white women). Rates for diabetes ranged from a low of 30.4 per 1,000 for black women, to a high of 59.8 for Filipinos. Hawaiian women had the highest rate of pregnancy-associated hypertension (48.2), whereas Chinese women had the lowest (11.6 per 1,000).

Among Hispanic women, the levels of anemia, diabetes, and pregnancy-associated hypertension were highest for Puerto Rican mothers, and those of other or unknown Hispanic origin ([table 28](#)). Non-Hispanic black women had almost twice the level of anemia of non-Hispanic white women (40.7 and 21.5), but similar levels of diabetes (30.3 and 31.2, respectively) and pregnancy-related hypertension (41.8 and 42.6 per 1,000).

## Tobacco use during pregnancy

**Smoking during pregnancy** has decreased steadily since 1989, from 19.5 to 11.4 percent in 2002, a 42-percent decline. Not only has prenatal smoking declined overall, but the proportion of smokers who smoked half a pack (11 cigarettes) or more has fallen as well, from 41 percent in 1989 to 26 percent in 2002 ([see tables 29–32 for 2002 data](#)). All States except for California reported information on tobacco use on their birth certificates in 2002, as in 2000–2001. The reporting area accounted for 87 percent of U.S. births in 2002.

While prenatal smoking is believed to be somewhat underreported on the birth certificate, the trends and variations in maternal smoking based on birth certificate data have been largely corroborated by data from nationally representative surveys (35,36). The completeness of reporting of tobacco use on the birth certificate is believed to be affected by a number of factors, including the lack of a specific time reference for smoking status, variations in the source of information for the birth certificate, and the stigma associated with tobacco use, especially during pregnancy, and particularly in cases of poor birth outcome (35,37,38).

Tobacco use during pregnancy has long been associated with a number of adverse outcomes, including low birthweight, intrauterine growth retardation, miscarriage, and infant mortality, as well as negative consequences for child health and development (39). Substantial costs result from these adverse outcomes (40).

Variations in smoking during pregnancy have been consistent over the 14 years for which birth certificate data have been available (41). Older teenagers, 18–19 years, have the highest rate, at 18.2 percent in 2002, followed by women aged 20–24 years, 16.7 percent, and younger teenagers 15–17 years, 13.4 percent. Smoking rates declined for women in all age groups in 2002. While smoking rates are considerably lower for women in age groups 25 years and over, those women who smoke are much more likely to be heavier smokers. For example, among women aged 25–29 years who smoked in 2002, 31 percent smoked half a pack or more, compared with 20 percent of their counterparts aged 18–19 years.

**Smoking rates generally declined for women in all racial and Hispanic origin groups;** there was a slight increase for Japanese women ([tables 24 and 25](#)). Substantial variations persist among population subgroups. Rates in 2002 were highest for American Indian, non-Hispanic white, and Hawaiian women, and lowest for Chinese, Japanese, Filipino, Mexican, and Cuban women.

Smoking rates are highest for women who have attended but have not completed high school and lowest for college-educated women ([table 31](#)). This relationship has been observed consistently over the period for which birth certificate data are available. When data are limited to women aged 20 years and over, who have had the opportunity to complete high school, this pattern remains. In 2002, 27 percent of women with 9 to 11 years of schooling smoked during pregnancy, compared with 7 percent of women with a grade school education, 16 percent for high school graduates, 9 percent of women with some college, and 2 percent for college-educated women (tabular data not shown).

The negative consequences of prenatal smoking on birth outcome have been well documented over time (39,42,43). Overall, 12.2 percent of births to smokers were low birthweight (less than 2,500 grams/5 pounds 8 ounces) compared with 7.5 percent of births to nonsmokers. The disparity by smoking status is smallest for teenagers and increases with advancing maternal age, most likely a reflection of the greater cigarette consumption among older women ([tables 29 and 32](#)). The impact of smoking on a low birthweight outcome tends to be more severe for women who smoke more cigarettes, but the data also show that there is no “safe” level of smoking. In 2002, 11.5 percent of babies born to light smokers, that is, women smoking fewer than six cigarettes daily, were low birthweight (LBW), more than 50 percent above the LBW rate for births to nonsmokers. Light smokers accounted for about one-third of all smokers in 2002.



## Alcohol use during pregnancy

Alcohol use during pregnancy is a major risk factor for poor birth outcome, independent of other maternal health risk and behavior factors (44,45). Questions on alcohol use are included on the birth certificates of the District of Columbia and all States except for California. This reporting area accounted for 87 percent of U.S. births in 2002.

Unfortunately, alcohol use is substantially underreported on the birth certificate, compared with data collected in nationally representative surveys of pregnant women. Only 0.8 percent of women giving birth in 2002 reported alcohol use during pregnancy, down from 0.9 percent in 2001, and 4.1 percent in 1989, the first year this information was collected on birth certificates (**data for 2002 shown in tables 24 and 25**).

According to the most recently conducted Behavioral Risk Factor Surveillance System (BRFSS) survey, 12.8 percent of women reported alcohol use during pregnancy in 1999, compared with 1.0 percent based on 1999 birth certificate data (46). While the BRFSS data indicate that alcohol use declined during the late 1990s, no decline in “binge” drinking was found (46).

The current birth certificate question on alcohol use is evidently not sensitive enough to measure this behavior accurately. This is unfortunate because alcohol use is clearly a critical risk factor for poor birth outcome and it is implicated as well in delayed infant and child development (44,45). The question wording as well as the lack of specific time reference for the birth certificate questions are probably factors contributing to the underreporting.

## Medical Services Utilization

### Prenatal care

Women were slightly more likely to receive prenatal care in the first trimester of pregnancy in 2002, 83.7 percent, compared with 83.4 percent in 2001. Timely initiation of prenatal care has improved slowly but steadily in recent years, rising 10 percent since 1990 (from 75.8 percent). See **tables D, 33, 34, and 35**. One percent of all women who gave birth in 2002 (approximately 40,000 mothers)

received no prenatal care at all; an additional 2.6 percent of women did not receive care until the last trimester of pregnancy. The proportion of mothers with late or no care has improved markedly since 1990, dropping from 6.1 to 3.6 percent. The effect of medical care during pregnancy on maternal and infant health is difficult to measure (47,48). However, it is evident that prenatal care can enhance pregnancy outcome by providing health care advice and managing chronic and pregnancy-related health conditions (47,49).

Modest gains in the proportion of women beginning prenatal care in the first trimester of pregnancy were observed for each age group and most racial/ethnic groups for 2001–2002. Since 1990, levels have risen more than 20 percent among non-Hispanic black women (from 60.7 to 75.2 percent), Hispanic (from 60.2 to 76.7 percent), and American Indian women (from 57.9 to 69.8 percent) (**tables 24 and 25**). Concurrent substantial decreases in the percent of women with late or no care have also been seen for these groups. Still, in 2002, more than 5 percent of black, Hispanic, and American Indian mothers received no care at all. Recent improvements in prenatal care utilization may be partly related to the expansion of Medicaid for pregnant women in the late 1980s (50).

Increased levels of first trimester prenatal care were reported for each Hispanic subgroup except “Other and unknown Hispanics” for the current year. Levels ranged from 75.7 percent for Mexican mothers to 92.0 percent for Cuban mothers (the highest rate reported for any race or ethnic group). Among APIs, Japanese women were the most likely to receive first trimester care (90.5 percent); Hawaiian women were the least likely (78.1 percent).

The New England States (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont) and Iowa reported the highest levels of prenatal care utilization for 2002; first trimester care ranged from 88 to 92 percent, and levels of late or no care were 2 percent or less (**table 34**). Since 1990 substantial expansion in prenatal care utilization has been observed for most States and for the District of Columbia (data not shown).

The “month that prenatal care began” can be a useful measure of prenatal care timing, but it does not take into account the number of prenatal care visits or gestational age at delivery, important factors in determining the appropriateness of care (51). The Adequacy of Prenatal Care Utilization (APNCU) Index, an alternative measure that is based on recommendations from the American College of Obstetricians and Gynecologists, incorporates the month that care began, the number of prenatal visits, and adjusts for the infant’s gestational age (51,52). The APNCU categorizes care as: intensive, adequate, intermediate, and inadequate. For 2002, 74.6 percent of mothers received at least adequate prenatal care, a modest improvement over 2001 (74.5 percent), and the percent of women with inadequate care declined from 11.6 to 11.3. The APNCU, like the “month care began,” indicates that there has been substantial gain in prenatal care initiation in recent years. According to the APNCU, since 1990 the proportion of women with at least adequate care has risen 12 percent (with almost all of the increase for women with intensive use of care), and the proportion with inadequate care has declined by more than one-third (from 17.4 percent). See **table E**.

### Obstetric procedures

In 2002 as in past years, electronic fetal monitoring (EFM) was the most frequently reported of the six specific obstetric procedures

**Table D. First trimester prenatal care by race and Hispanic origin of mother: United States, 1980, 1985, 1990, 1995, 2000–2002**

Year	All races <sup>1</sup>	Non-Hispanic		American Indian <sup>2</sup>	Asian or Pacific Islander <sup>2</sup>	Hispanic <sup>3</sup>
		White	Black			
2002 . . . . .	83.7	88.6	75.2	69.8	84.8	76.7
2001 . . . . .	83.4	88.5	74.5	69.3	84.0	75.7
2000 . . . . .	83.2	88.5	74.3	69.3	84.0	74.4
1995 . . . . .	81.3	87.1	70.4	66.7	79.9	70.8
1990 . . . . .	75.8	83.3	60.7	57.9	75.1	60.2
1985 . . . . .	76.2	...	...	57.5	74.1	...
1980 . . . . .	76.3	...	...	55.8	73.7	...

... Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.

<sup>2</sup>Includes persons of Hispanic and non-Hispanic origin.

<sup>3</sup>Includes all persons of Hispanic origin of any race.

NOTE: Race categories are consistent with the 1977 Office of Management and Budget guidelines; see “Technical Notes.”



**Table E. Adequacy of Prenatal Care Utilization Index: United States, 1990, 1995, and 2000–2002**

Year	Intensive use	Adequate	Intermediate	Inadequate
2002 . . . . .	31.9	42.8	14.0	11.3
2001 . . . . .	31.8	42.7	14.0	11.6
2000 . . . . .	31.2	43.0	14.0	11.9
1995 . . . . .	28.8	43.7	14.7	12.8
1990 . . . . .	24.6	42.3	15.7	17.4

NOTE: See reference 51 for information on calculation of this measure.

listed on the birth certificate. The rate has continually climbed since 1989 from 68.4 to 85.2 percent for 2002 (or more than 3.4 million live births) ([table 36](#)). The benefits and risks of routine use of EFM remain controversial (53). The use of EFM and other obstetric procedures may be underreported on the birth certificate (54).

In 2002, 68 percent of mothers who had live births received ultrasound. The use of this procedure also has increased steadily since 1989, from 47.7 percent. Advances in this technology allow early screening for fetal anomalies (55).

The rate of induction of labor increased slightly from 2001 to 2002 (20.5 to 20.6). The rate for 2002 was more than double the 1989 level of 9.0 percent. Between 1989 (the first year these data were reported on the birth certificate) and 2000, the rate of induction rose steadily every year for all gestational ages, including preterm deliveries (less than 37 completed weeks of gestation). However, since 2000, the induction rate has decreased slightly for preterm deliveries but has continued to increase for gestational ages of 37 to 41 weeks (data not shown).

For 2001–2002 rates of induction increased for most racial and ethnic groups. The induction rates have risen more than twofold among the largest racial and ethnic groups between 1989 and 2002 ([table F](#)). There was wide variation in the rates in 2002. For example, the rate for non-Hispanic white women (24.6 percent) was substantially higher than that for non-Hispanic black women (17.5). Current year rates for

2002 among the Hispanic subgroups ranged from 12.9 percent for Mexican, to 20.5 percent for Cuban mothers. There was less variability among the API subgroups however; rates ranged from 12.1 (Filipino) to 15.9 percent (Hawaiian) ([tables 27 and 28](#)). These patterns are consistent across time.

It has been suggested that increasing induction rates may be related, in part, to an increase in elective inductions (inductions with no medical or obstetric indication). In a study of variation in induction rates among hospitals and clinicians, 25 percent of inductions had no apparent medical indication (56). Studies have shown that induction (including elective induction) may increase the risk of cesarean delivery in nulliparous women (57).

The rate of stimulation of labor was 17.3 percent for 2002; this rate has fluctuated only slightly since 1997, but has risen 60 percent since the 1989 rate (10.9 percent). The overall rate for tocolysis, the use of agents that inhibit or delay uterine activity for the management of preterm labor, was 2.1 percent in 2001 and 2002. The rate of tocolysis has been fairly stable since 1996. Discussion on the safety and efficacy of these agents is ongoing (58).

The overall rate for amniocentesis decreased to 2.0 percent of births in 2002, from 2.2 percent in 2001, and 3.2 percent in 1989. This change may reflect increased use of screening tests that are noninvasive (e.g., ultrasound and measurement of serum markers) in place of amniocentesis (59).

### Complications of labor and/or delivery

The most prevalent complication reported on the birth certificate for 2002, as for previous years, is moderate or heavy meconium, which occurs at a rate of 50.1 per 1,000 births or in 5.0 percent of all deliveries resulting in a live birth. The presence of meconium during labor and delivery can directly alter the amniotic fluid, reduce antibacterial activity (and subsequently increase the risk of perinatal bacterial infection) and damage the infant's lungs if inhaled (32). Depending on the severity of the condition, other complications of labor and delivery reported on the birth certificate may require medical interventions and can affect the health of the infant. Of the 15 complications of labor and/or delivery reported on the birth certificate, the other four most frequently reported complications for 2002 were: fetal distress (3.9 percent), breech/malpresentation (3.8 percent), dysfunctional labor (2.9 percent), and premature rupture of membrane (PROM) (2.3 percent) ([table 37](#)).

Complication rates vary among racial/ethnic groups ([tables 27 and 28](#)). For example, non-Hispanic black women had higher meconium rates than non-Hispanic white women, whereas non-Hispanic black women had substantially lower rates of cephalopelvic disproportion and breech/malpresentation (leading risk factors for cesarean delivery) than non-Hispanic white women. A wide range of values was also apparent among API subgroups. Rates for meconium ranged from 4.4 percent for Japanese women to 6.7 percent for Hawaiian women. Differences in rates also were evident among Hispanic subgroups. In 2002 rates for meconium ranged from a low of 3.6 percent for Cuban mothers to a high of 6.2 percent for Central and South American mothers.

**Table F. Rate of induction of labor by race and Hispanic origin of mother: United States, 1989, 1995, 2000, 2001, and 2002, and percent change, 1989–2002**

[Rates are births with induction per 100 total births in specified group]

Race and Hispanic origin of mother	2002	2001	2000	1995	1989 <sup>1</sup>	Percent change 1989–2002
	Percent					
All races <sup>2</sup> . . . . .	20.6	20.5	19.9	16.0	9.0	129
Non-Hispanic white . . . . .	24.6	24.4	23.6	18.9	10.5	134
Non-Hispanic black . . . . .	17.5	17.1	16.5	11.7	6.7	161
American Indian total <sup>3</sup> . . . . .	20.9	20.3	20.1	15.6	8.4	149
Asian or Pacific Islander total <sup>3</sup> . . . . .	13.9	14.0	13.3	10.8	5.5	153
Hispanic <sup>4</sup> . . . . .	13.8	13.5	13.2	10.2	5.3	160

<sup>1</sup>Excludes data for Louisiana, Nebraska, and Oklahoma, which did not report induction of labor in 1989.

<sup>2</sup>Includes races other than white and black.

<sup>3</sup>Race and Hispanic origin are reported separately on the birth certificate. 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."

<sup>4</sup>Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTE: Race categories are consistent with the 1977 Office of Management and Budget guidelines; see "Technical Notes."

## Attendant at birth and place of delivery

In 2002 the percentage of all births delivered by physicians in hospitals was unchanged from 2001 (91.3 percent) ([table 38](#)). This proportion has declined since 1975 (98.7). In 2002 as in previous years, almost all doctor-attended births were attended by doctors of medicine (MDs). However, the percent of all births attended by doctors of osteopathy (DOs) has continued to grow slowly, from 2.8 percent in 1989 (the first year data on DOs were available from the birth certificate), to 4.8 percent in 2002.

The percentage of births attended by midwives has increased steadily since 1975, climbing from less than 1.0 percent (60) to 8.1 percent in 2002. Nearly all of the increase in midwife-attended births has been for those in hospitals (61). Midwifery education as well as practice has increased over the past decade (62). The vast majority of all midwife-attended births in 2002 (94.6 percent) was by certified nurse midwives (CNMs). This rate was stable at 95.0 percent for 1996–2000. Due to underreporting of midwife-attended deliveries, these data should be considered lower estimates of the actual number of midwife-attended births (4,60). In a recent report comparing similar groups of low-income, low-risk women, those whose care was managed or co-managed by CNMs with the option of delivering at a birthing center required fewer medical interventions and procedures (i.e., augmentation of labor, episiotomy, cesarean section) than those receiving traditional care (i.e., care by physicians with delivery in a hospital setting) (63).

Ninety-nine percent of births in 2002 were delivered in hospitals, a rate essentially unchanged over the past several decades. Out-of-hospital births occurred predominantly in a residence (65 percent); 27 percent were in a freestanding birthing center. These levels have fluctuated only moderately since 1989.

About 92 percent of births to non-Hispanic white women and non-Hispanic black women were attended by a physician in a hospital compared with 90 percent of births to Hispanic women. As in earlier years, in 2002 non-Hispanic white and black women were less likely to have a midwife-attended hospital birth (6.8 and 7.0 percent, respectively) than Hispanic women (9.4 percent).

Among the Hispanic subgroups, for Cuban women the rate of physician-attended hospital births reached 95.4 percent, compared with Mexican, Puerto Rican, and Central or South American women (89 to 90 percent). Cuban women also had the lowest rate of midwife-attended hospital births (4 percent) compared with Central or South American women, Puerto Rican, and Mexican women (9 to 10 percent) (data not shown).

## Method of delivery

The rate of cesarean delivery increased to 26.1 percent of all births for 2002, the highest rate ever reported in the United States. The 2002 rate is a 7-percent rise from 2001 (24.4 percent) and a 14-percent increase from 1989 (22.8 percent). The cesarean rate fell between 1989 and 1996, but has risen each year since 1996, by a total of 26 percent (5,64) ([tables 39 and 40](#)). The escalation in the total cesarean rate is fueled by both the rise in the primary cesarean rate and the steep decline in the rate of vaginal birth after cesarean (VBAC) delivery. Controversy continues to stimulate research and discussion on the risks, benefits, and long-term consequences of cesarean (medically indicated or elective) delivery and VBAC delivery (65–67).

In 2002 the primary cesarean rate (18.0 per 100 live births to women who had no previous cesarean) was 7 percent higher than in 2001 (16.9), 12 percent higher than in 2000, and 23 percent higher than the low reported for 1996–97 (14.6). The rates for low-risk women (i.e., women with full-term, singleton deliveries, with vertex presentations) have increased similarly (data not shown) (68). The increase in primary cesarean deliveries may be related to nonmedical factors such as demographics, physician practice patterns, and maternal choice (69–71). It has been suggested that increasing use of medical technology, such as continuous EFM and induction of labor may have also contributed to this increase (e.g., inconsistent definition and interpretation of EFM patterns may lead to more intervention; induction prior to 41 weeks gestation has been linked to an increased risk of cesarean delivery) (70).

The rate of vaginal birth after cesarean (VBAC) delivery fell 23 percent between 2001 and 2002—from 16.4 per 100 women with a previous cesarean to 12.6 (the lowest level reported from birth certificate data). The VBAC rate has fallen precipitously since 1996, by 55 percent, after increasing by 50 percent between 1989 (18.9) and 1996 (28.3). For low-risk women, this rate has shown a similar rate of decline (data not shown).

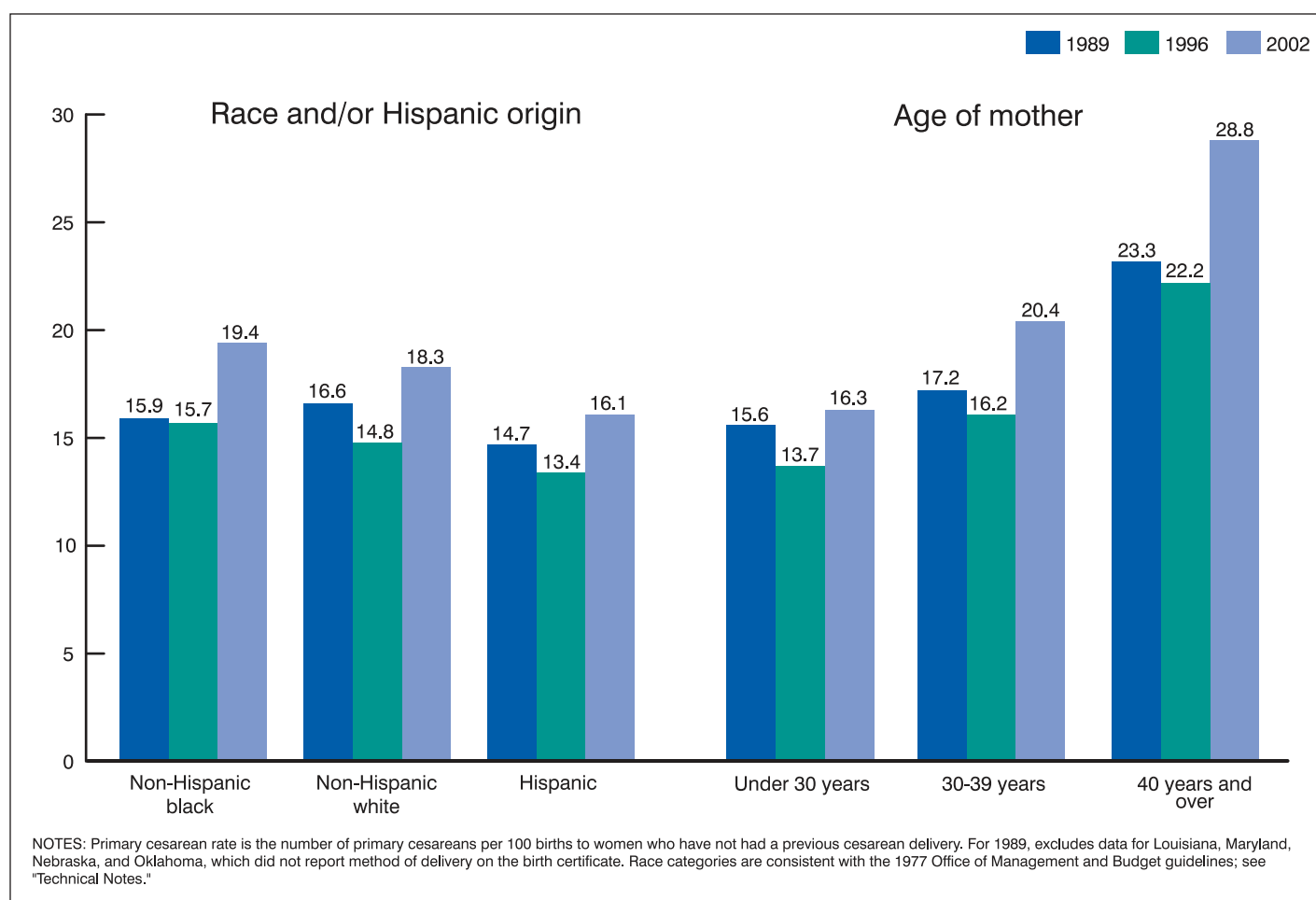
The sharp decline in VBAC deliveries may be related to reports on the risks associated with VBAC, more conservative practice guidelines, legal pressures, as well as the continuing debate regarding the harms and benefits of vaginal birth versus cesarean section, especially with regard to VBAC (69,70,72–74).

The primary rate increased and the VBAC rate decreased for all age, racial, and ethnic groups (including subgroups) for 2001–2002. Rates by age and by race and Hispanic origin paralleled the overall primary and VBAC rates for 1989–96 and 1996–2002 ([figures 7 and 8](#)). As in past years, overall cesarean rates rise as maternal age increases; the 2002 rate for mothers 40–54 years of age (40.7) was more than double that of mothers under age 20 years (18.0) ([table 40](#)). The increased likelihood of cesarean delivery in older women may be related to biologic factors, patient and/or practitioner concerns (75), and the increased rate of multiple births.

Between 2001 and 2002, the primary cesarean rate rose 6 percent for non-Hispanic white, non-Hispanic black, and Hispanic women. The primary rate for non-Hispanic black women (19.4) remained higher than the rate for non-Hispanic white women (18.3) and Hispanic women (16.1). The VBAC rate declined at least 21 percent for each group for the current year.

The overall cesarean rate for American Indian women in 2002 (23.1 percent) was lower than the national rate ([tables 24 and 25](#)). Among the Hispanic subgroups, the rate of cesarean delivery ranged between 24.5 for Mexican mothers, and 36.9 for Cuban mothers. Among the Hispanic subgroups, Cuban mothers had the highest percent of total births to women aged 30 years and over, as well as the highest rate of cesarean delivery for every age group (data not shown). All API subgroups, except Filipino mothers (28.5), had lower rates of cesarean delivery than either non-Hispanic white or black mothers. Among the API subgroups, Japanese mothers continue to have the lowest rate (20.8), although they have the highest percent of mothers aged 35 years and over (data not shown).

Cesarean rates increased for all 50 States and the District of Columbia. For 2001–2002, variation in cesarean rates by State was considerable, ranging from under 20 percent for Alaska, New Mexico,



**Figure 7. Primary cesarean rates by age, race, and Hispanic origin of mother: United States, 1989, 1996, and 2002**

and Utah, to over 30 percent for Louisiana, Mississippi, and New Jersey (table 41). The rate for Puerto Rico was 44.8.

Between 2001 and 2002, VBAC rates decreased in each of the 50 States and the District of Columbia. Rates for 2002 ranged from 6.4 in Louisiana to 25.6 per 100 in Vermont.

Mothers reported to have the medical risk factors and complications of labor and/or delivery reported on the birth certificate often have higher rates of cesarean delivery (table 42). For example, more than half of mothers with eclampsia and almost all mothers with cephalopelvic disproportion (96.5 percent) and breech/malpresentation (86.9) had a cesarean delivery.

Concurrent with the rise in the cesarean delivery rate, the percent of births delivered by either forceps or vacuum extraction has decreased since 1996 (data not shown). The 2002 rate (5.9 percent) is 61 percent lower than the high of 9.5 percent in 1994 (61).

## Infant Health Characteristics

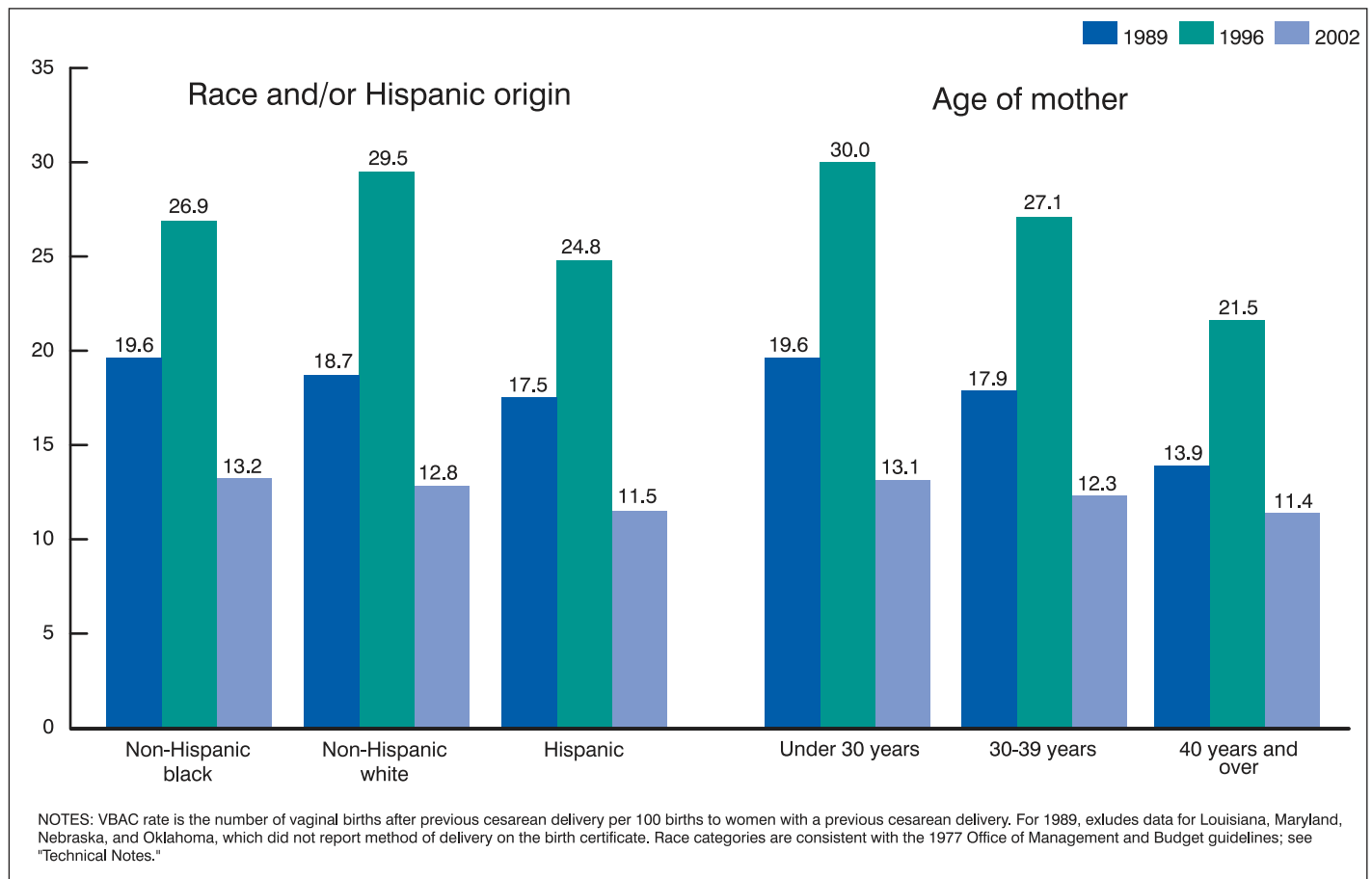
### Period of gestation

The preterm birth rate increased again in 2002, to 12.1 percent of all births, from 11.9 percent in 2001. The proportion of infants born preterm (less than 37 completed weeks of gestation) has risen 14 percent since 1990 (10.6 percent) and 29 percent since 1981

(9.4 percent). The bulk of the rise for 2001–2002 was for moderately preterm births, that is, infants born at 32–35 weeks; the percent of infants born very preterm (less than 32 weeks) was essentially unchanged at 1.96 percent (1.95 percent in 2001). This level has risen from 1.81 percent since 1981. See tables 24, 25, 43, and 44. (For information on the measurement of gestational age, see the "Technical Notes.")

The risk of infant death declines steeply at 40–41 weeks of gestation and rises very slightly thereafter. In 2001, 41 percent of all infants born earlier than 28 weeks of gestation did not survive their first year, compared with 5 percent of infants born at 28–31 weeks and 1 percent of infants delivered at 32–35 weeks; 0.3 percent of term births did not survive the first year of life (76). Preterm birth is among the leading causes of infant death and is associated with nearly half of all congenital neurological defects (e.g., cerebral palsy) (77). Unfortunately, meaningful reduction in preterm births is unlikely until its causes are better understood (77,78).

The steep rise in multiple births over the past two decades has had an important influence on the overall preterm birth rate (79); twins, triplets, and higher order multiples are much more likely to be born earlier than singletons (see section on "Multiple births"). However, the preterm rate for singletons alone has also risen, by 7 percent between 1990 and 2002 (from 9.7 to 10.4 percent). Fortunately, the increase in singleton preterm births has been restricted to those born moderately



**Figure 8. Vaginal birth after cesarean (VBAC) rates by age, race, and Hispanic origin of mother: United States, 1989, 1996, and 2002**

preterm; the singleton very preterm birth rate declined slightly over this period (from 1.69 to 1.57). See [table G](#).

In recent years, there has also been a marked change in the proportion of births born at and postterm, with births increasingly more likely to be delivered earlier in term, or at 37–39 weeks of gestation, and less likely to be delivered at 40 weeks and later. Between 1990 and 2002, the proportion of births at 40 weeks or more declined from 48 to 37 percent. Concurrently, the percent of infants born at 37–39 weeks increased from 41 to 51 percent. The decline in postterm births (42 or more weeks) is particularly striking, down 40 percent (from 11.3 to 6.7 percent) between 1990 and 2002. See [figure 9](#). This shift toward earlier term delivery suggests changes in the use of delivery management techniques such as cesarean delivery and induction of labor (80–82).

Since 1990 preterm birth rates have increased substantially for all ages 20 years and over. Among women with singleton deliveries in 2002, the youngest and the oldest were the most likely to give birth preterm (21 percent of mothers under age 15 years compared with 17 percent of mothers aged 45 years and over). Women aged 30–34 years were the least likely to have an early delivery (9 percent) (data not shown).

Between 2001 and 2002, the preterm birth rate rose among the three largest racial/ethnic groups: non-Hispanic white (10.8 to 11.0 percent), non-Hispanic black (17.6 to 17.7 percent), and Hispanic (11.4 to 11.6 percent). Since 1990 preterm rates have risen 5 percent for

Hispanic, and 29 percent for non-Hispanic white births, but have declined modestly (6 percent) for non-Hispanic black infants. Despite these differing trends, the risk of preterm birth, and especially very preterm birth, continues to be significantly higher for non-Hispanic black infants than for infants of other racial/ethnic groups.

In 2002, 13.1 percent of American Indian infants were delivered preterm, essentially unchanged from 2001. The highest preterm rate reported among API subgroups in 2002 was 13.5 percent for Hawaiians; the lowest was 7.7 percent for Japanese (the lowest rate reported for any group). Preterm rates for the Hispanic subgroups ranged from 10.5 (Cuban) to 14.0 percent (Puerto Rican). See [tables 24 and 25](#).

The proportion of births delivered at gestational ages of less than 37 weeks increased for all jurisdictions except Georgia between 1990 and 2002. Preterm births declined in the District of Columbia for this period. See [table H](#). Preterm rates by State for the current year varied from 17.2 percent for Mississippi, to less than 10 percent for Alaska, Minnesota, New Hampshire, Oregon, Vermont, and Washington. These broad differences in preterm risk among States can be at least partly linked to differences in State demographics (e.g., maternal age distributions and multiple birth rates).

### Birthweight

The **low birthweight (LBW) rate** rose from 7.7 to 7.8 percent for 2001–2002, the highest level reported in more than 3 decades.



**Table G. Rate of preterm birth among singletons by race and Hispanic origin of mother: United States, 1990, 1995, 2001, and 2002**

	2002	2001	1995	1990 <sup>1</sup>
Total <sup>2</sup>				
Less than 32 weeks . . . . .	1.57	1.57	1.61	1.69
32–36 weeks . . . . .	8.87	8.81	8.21	8.01
Total, less than 37 weeks . . . .	10.44	10.38	9.82	9.70
Mean gestational age/standard deviation . . . . .	38.8(2.5)	38.8(2.5)	39.0(2.5)	39.2(2.6)
Non-Hispanic white				
Less than 32 weeks . . . . .	1.14	1.15	1.13	1.11
32–36 weeks . . . . .	7.92	7.83	6.99	6.43
Total, less than 37 weeks . . . .	9.07	8.98	8.12	7.54
Mean gestational age/standard deviation . . . . .	38.9(2.3)	38.9(2.3)	39.2(2.3)	39.4(2.4)
Non-Hispanic black				
Less than 32 weeks . . . . .	3.50	3.52	3.83	4.22
32–36 weeks . . . . .	12.48	12.49	12.70	13.63
Total, less than 37 weeks . . . .	15.98	16.01	16.53	17.85
Mean gestational age/standard deviation . . . . .	38.3(3.1)	38.3(3.1)	38.4(3.2)	38.5(3.4)
Hispanic <sup>3</sup>				
Less than 32 weeks . . . . .	1.48	1.45	1.48	1.52
32–36 weeks . . . . .	9.14	9.04	8.64	8.77
Total, less than 37 weeks . . . .	10.63	10.49	10.12	10.29
Mean gestational age/standard deviation . . . . .	38.9(2.5)	38.9(2.4)	39.0(2.5)	39.1(2.6)

<sup>1</sup>Data for 1990 by race and Hispanic origin exclude data for New Hampshire and Oklahoma, which did not require reporting of Hispanic origin of mother.

<sup>2</sup>Includes births to races not shown.

<sup>3</sup>Includes persons of Hispanic origin of any race.

NOTE: Race categories are consistent with the 1977 Office of Management and Budget guidelines; see "Technical Notes."

The percent LBW (birthweight of less than 2,500 grams) has risen fairly steadily since the mid-1980s, by 15 percent (from 6.8 percent). (See [tables 43–47](#) and [figure 10](#).) The percent of infants born **very low birthweight (VLBW)** (less than 1,500 grams) was 1.46 percent for 2002, compared with 1.44 percent for the previous year. The VLBW level has climbed from 1.15 percent in 1980. LBW, and especially VLBW, are major predictors of infant morbidity and mortality. For VLBW infants, the risk of dying in the first year of life is nearly 100 times that of normal birthweight infants; the risk for moderately LBW infants (1,500–2,499 grams) is more than five times higher (83). LBW, especially VLBW, infants who do survive are more likely to suffer long-term disabilities (84).

Recent trends in LBW are influenced by the rise in the multiple birth rate (79,85); multiples are much more likely to be born LBW than singletons (for the current year, as in earlier years, more than half of all multiple births weighed less than 2,500 grams at birth; see the section on "Multiple births"). In 2002 multiple births accounted for 24 percent of all LBW infants in the United States, compared with 15 percent in 1980.

Among non-Hispanic white births, LBW increased from 6.8 to 6.9 percent between 2001 and 2002, continuing the distinct upward trend of the past two decades; the rate of singleton non-Hispanic white LBW was 5.02 percent for 2002, compared with 4.96 percent for 2001. Since 1990 non-Hispanic white LBW has risen more than 20 percent (from 5.6 percent). Among non-Hispanic white singletons only, the

upturn is significant but more modest, increasing 10 percent since 1990, with most of the rise among moderately LBW infants. See [table J](#). A recent study suggests that singletons conceived with assisted-reproductive technology, which account for an increasing number of births (86,87), are at greater risk of LBW than those conceived spontaneously (88).

The LBW rate also rose among non-Hispanic black births, from 13.1 to 13.4 between 2001 and 2002, largely erasing the recent modest downturn (13.6 percent in 1991). The percent of non-Hispanic black infants who were VLBW was 3.15 in 2002, compared with 3.08 in 2001, and 2.93 for 1990. When only singleton births are examined, the LBW trend is slightly more positive, down from 11.9 to 11.4 percent between 1990 and 2002; however, no corresponding improvement in black singleton VLBW is observed ([table J](#)).

In 2002, 6.5 percent of Hispanic infants weighed less than 2,500 grams, unchanged from 2002. Since 1990 Hispanic LBW has risen moderately, from 6.1 percent. Hispanic VLBW was 1.17 percent in 2002 (1.14 percent for 2001). LBW among Hispanic singletons has also increased slightly since 1990, from 0.87 percent to 0.96.

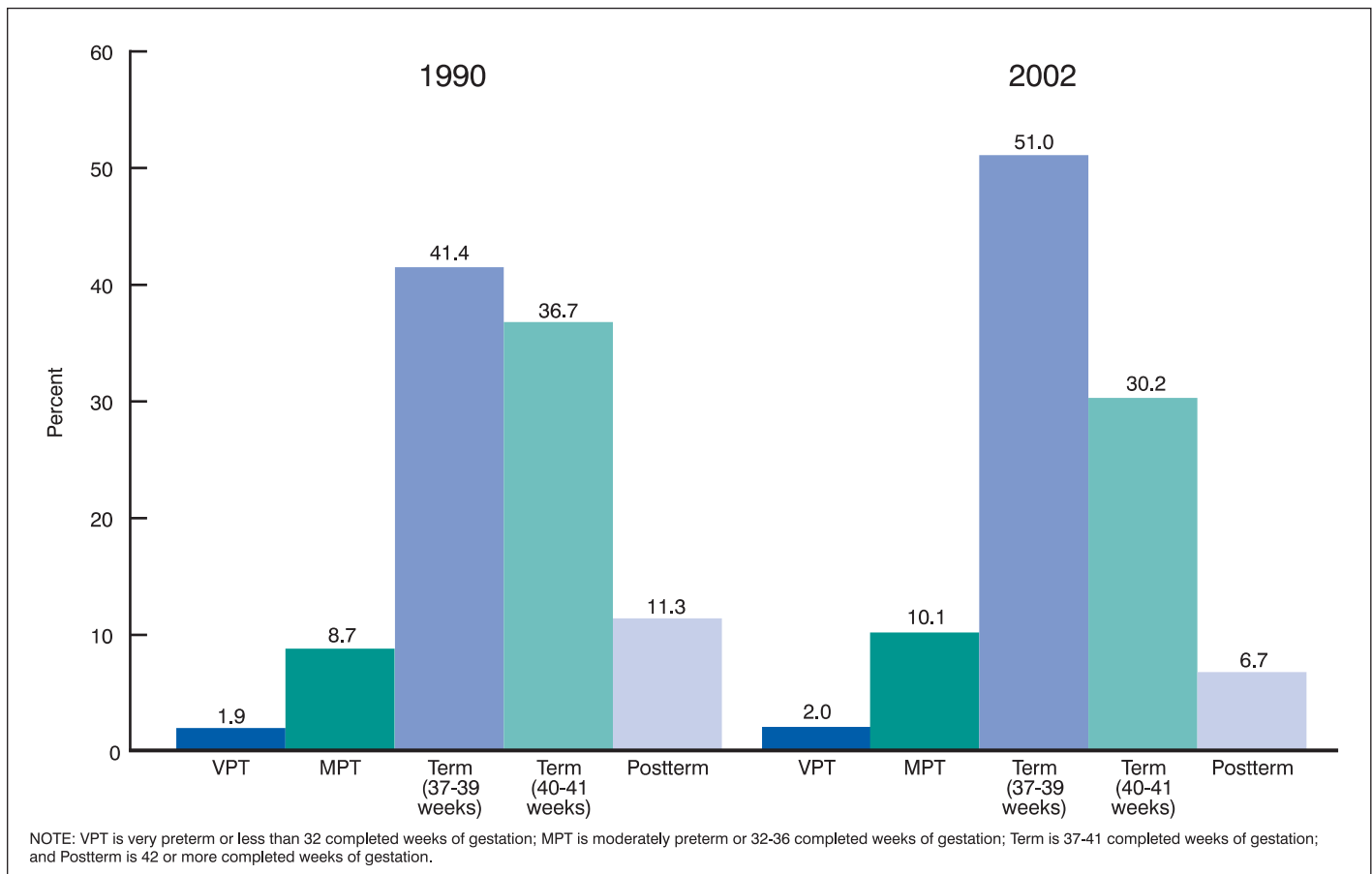
The diversity in LBW levels among Hispanics is demonstrated in [table 25](#). The risk of LBW was 50 percent higher for Puerto Rican compared with Mexican infants (9.7 versus 6.2 percent). Large differences were also apparent among the API subgroups; LBW rates ranged from 5.5 percent (Chinese) to 8.6 percent (Filipino) ([table 24](#)).

The percent of **higher birthweight or macrosomic births** (4,000 grams or more, or at least 8 pounds, 14 ounces) declined again in 2002, to 9.2, from 9.4 for 2001, and 9.9 in 2000. (See [table 45](#) and [figure 10](#).) The proportion of higher birthweight infants has dropped more than 20 percent since the 1980s (from over 11 percent). The proportion of macrosomic infants decreased slightly for non-Hispanic white (10.8 percent for 2002), non-Hispanic black (4.9 percent), and Hispanic infants (8.5 percent) for the current year ([tables 24 and 25](#)).

The **mean or average birthweight** for all singletons and for Hispanic singletons was 3,332 grams (7 pounds, 6 ounces) in 2002 ([table J](#)). The average non-Hispanic white singleton weighed 3,392 grams in 2002, 264 grams (9 ounces) more than the average non-Hispanic black singleton (3,128 grams).

The risk of delivering a LBW infant differs importantly by **maternal age**, with the highest risk for the youngest and oldest mothers. In 2002, 13.5 percent of infants to mothers under age 15 years weighed less than 2,500 grams, compared with 6.9 percent of infants to women aged 25–29 years, and 20.2 percent of those born to women aged 45 years and over. Much of the excess LBW among older mothers, however, can be attributed to their higher multiple birth rates. In 2002, multiples accounted for almost two-thirds (63 percent) of all LBW infants delivered to mothers aged 45 years and over, but only 13 percent of all LBW among women under age 20 years (data not shown). Just under 10 percent (9.6 percent) of singleton births to mothers aged 45 years and over were LBW, compared with 8.7 percent of births to mothers under age 20 years.

**LBW risk also varies widely by State.** For 2002 levels for non-Hispanic white births ranged from a low of 4.6 percent for Alaska, to a high of 8.7 percent for West Virginia ([tables 46 and 47](#)). For States reporting 1,000 or more births to non-Hispanic black women, LBW rates ranged from 9.8 to 15.2 percent (Iowa and Mississippi, respectively).



**Figure 9. Distribution of births by gestational age: United States, 1990 and 2002**

### Apgar score

The Apgar score, developed over 50 years ago by Virginia Apgar, M.D., is a routinely performed means of evaluating the general physical condition of the newborn at 1 minute, 5 minutes, and if desired, at additional 5-minute intervals after delivery. The score measures five easily identifiable infant characteristics—heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each characteristic is assessed and assigned a value of 0 to 2, with 2 being optimum. The total score is the sum of the scores of the five components. A score of 0 to 3 indicates an infant in need of resuscitation; a score in the range of 4 to 6 is considered intermediate; a score of 7 or greater indicates that the neonate is in good to excellent physical condition.

The 1-minute Apgar, no longer available from national vital statistics data, signals the need for immediate resuscitation. The 5-minute Apgar score can be a useful clinical indicator of the effectiveness of resuscitation efforts, but has limited use in determining the severity of the problem and correlates poorly with future neurologic outcome. All States except California and Texas reported information on the 5-minute Apgar score in 2002.

The proportion of newborns with Apgar scores of 9 or 10, indicating excellent infant health status, has increased very slowly from 88.6 percent to 90.3 percent between 1978 and 2002. The proportion of births with low Apgar scores (below 7) declined over 30 percent from 1978 to 1993 (2.1 percent to 1.4) but has been unchanged since (tables 24 and 25).

For non-Hispanic black infants, the percent of unfavorable Apgar scores have declined and excellent Apgar scores have increased in the past decade, while low and high Apgar ratings have remained steady for non-Hispanic whites. Despite the improvement in scores for non-Hispanic black infants, disparities persist between the two groups. In 2002, 2.3 percent of non-Hispanic black infants had Apgar scores under 7 compared with 1.2 percent of non-Hispanic white infants.

Of all LBW infants, 9 percent had low Apgar scores for 2002, compared with 1 percent of normal weight (2,500 to 3,900 grams) infants.

### Abnormal conditions of the newborn

Of the eight abnormal conditions reported on the birth certificate, the three most frequently reported are assisted ventilation less than 30 minutes, assisted ventilation of 30 minutes or longer, and hyaline membrane disease/respiratory distress syndrome (RDS) (table 48).

Abnormal conditions may be underreported on the birth certificate (89), especially those with features that might be difficult to discern at birth, such as fetal alcohol syndrome (90).

The rate for assisted ventilation less than 30 minutes in 2002 was 21.2 per 1,000. This is nearly twice the 1989 rate of 11.4. The rate of assisted ventilation of 30 minutes or longer was 9.6 per 1,000. This rate has gradually increased since 1989 (6.9). Assisted ventilation is basic to the treatment of respiratory disorders such as RDS (91).

In 2002 the overall rate of hyaline membrane disease/RDS was 6.1 per 1,000. This rate has been decreasing since the highest levels

**Table H. Preterm birth rates by State: United States and each State, 1990 and 2002**

State	Percent		Percent change	State	Percent		Percent change
	2002	1990			2002	1990	
United States . . . . .	12.1	10.6	14	Nebraska . . . . .	11.8	8.5	38
Alabama . . . . .	15.8	13.1	20	Nevada . . . . .	13.0	11.1	17
Alaska . . . . .	9.8	9.0	10	New Hampshire . . . . .	9.5	6.8	40
Arizona . . . . .	12.6	10.2	23	New Jersey . . . . .	12.0	10.7	12
Arkansas . . . . .	12.7	12.5	2	New Mexico . . . . .	12.6	11.0	14
California . . . . .	10.2	9.8	4	New York . . . . .	11.4	10.7	7
Colorado . . . . .	12.0	9.6	26	North Carolina . . . . .	13.3	12.5	7
Connecticut . . . . .	10.1	8.9	13	North Dakota . . . . .	11.3	8.3	37
Delaware . . . . .	13.6	11.1	23	Ohio . . . . .	12.2	10.6	15
District of Columbia . . . . .	14.6	20.7	-29	Oklahoma . . . . .	12.6	10.1	25
Florida . . . . .	13.0	11.6	12	Oregon . . . . .	9.7	8.0	21
Georgia . . . . .	12.6	12.8	-1	Pennsylvania . . . . .	11.4	10.3	11
Hawaii . . . . .	13.7	10.0	37	Rhode Island . . . . .	11.3	9.6	18
Idaho . . . . .	10.4	8.7	19	South Carolina . . . . .	14.2	12.3	16
Illinois . . . . .	12.6	11.4	10	South Dakota . . . . .	11.3	8.9	26
Indiana . . . . .	12.5	9.9	26	Tennessee . . . . .	13.8	12.6	10
Iowa . . . . .	11.6	8.7	33	Texas . . . . .	13.3	11.2	18
Kansas . . . . .	11.0	9.5	16	Utah . . . . .	10.5	8.7	21
Kentucky . . . . .	13.6	10.5	30	Vermont . . . . .	9.0	7.1	27
Louisiana . . . . .	15.1	13.9	8	Virginia . . . . .	11.8	11.0	7
Maine . . . . .	10.1	7.6	33	Washington . . . . .	9.6	8.4	15
Maryland . . . . .	12.9	11.2	15	West Virginia . . . . .	13.4	9.9	35
Massachusetts . . . . .	10.6	7.7	37	Wisconsin . . . . .	10.9	9.2	19
Michigan . . . . .	11.9	10.7	11	Wyoming . . . . .	11.7	10.3	14
Minnesota . . . . .	9.8	8.1	21				
Mississippi . . . . .	17.2	15.1	14				
Missouri . . . . .	13.0	10.7	21				
Montana . . . . .	11.3	8.5	34				

NOTE: Preterm is defined as less than 37 completed weeks of gestation.

were reported for 1994–95 (6.7). Hyaline membrane disease/RDS is a frequent cause of morbidity in preterm infants (92). Risk factors include early gestational age, poorly controlled maternal diabetes, multiple births, and fetal asphyxia (91). Elective (vs. spontaneous) delivery before labor for early-term infants (gestational ages 37 and 38 weeks) may also be a risk factor for RDS, possibly due to lung immaturity (93).

Since 1989 the rate for meconium aspiration syndrome (1.3 in 2002) has slowly decreased (from 3.2); the rate for anemia for the current year (1.0) was half the 1989 rate (2.0).

### Congenital anomalies

In 2002 rates for the 21 malformations/groups of malformations listed on the birth certificate were essentially unchanged from 2001. Among the most commonly reported specific anomalies, cleft lip/palate was reported at a rate of 78.5 per 100,000 births. The rate of clubfoot was 59.6 per 100,000; the rate of Down's syndrome was 46.7. Research using birth certificate data has corroborated a positive association between maternal smoking and certain birth defects, including cleft lip/palate and clubfoot (94,95).

Congenital anomalies remain the leading cause of infant deaths in the United States (83). They also cause structural and functional defects, metabolic disorders, and disability (96). Congenital anomalies are reported on the birth certificates of 49 States and the District of Columbia, accounting for more than 99 percent of births in 2002 (table 49).

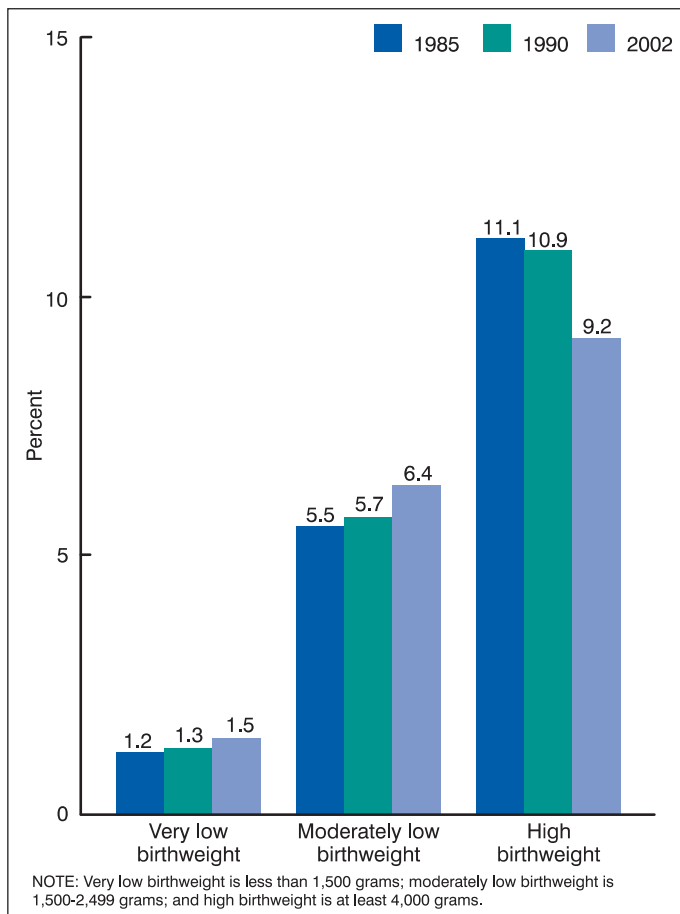
Congenital anomalies are underreported on the birth certificate; however, birth certificate data may be a valuable resource for explor-

atory or corroborative studies (94). Many anomalies are hard to detect at birth, which limits early ascertainment and complete reporting. The most serious and/or apparent anomalies are more likely to be identified and reported prior to hospital discharge (97). The congenital anomalies reported on birth certificates are rare events. Since a small change in the number of anomalies reported can result in a relatively large change in rates, caution should also be used in comparing yearly rates for a specific anomaly.

Rates for certain anomalies differ widely with maternal age (table 49). For example, in 2002 as in past years, rates for omphalocele/gastroschisis are highest for infants of mothers under age 20 years; rates for Down's syndrome and heart malformations are highest for infants of mothers over 34 years of age.

Since 1992 there has been a nationwide effort to prevent neural tube defects (NTDs), such as spina bifida and anencephalus, by encouraging increased intake of folic acid among women of childbearing age (98). Since 1998 there has been mandatory fortification of all cereal and grain products with folic acid (98); increased folate use among women of childbearing age has been reported (99).

The rate for the NTD spina bifida/meningocele in 2002 was 20.0 per 100,000 births; the rate for anencephalus was 9.9, unchanged from 2001. However, trends show significant declines in the rates for these conditions between 1996 (prefortification) and 2001 (98). Recent reports suggest that healthy prepregnancy weight may protect against NTDs and certain other birth defects (100), and that multivitamin supplementation may also protect against defects other than NTDs (101).



**Figure 10. Percent very low, moderately low, and high birthweight births: United States, 1985, 1990, 2002**

## Multiple births

The twin birth rate, which has risen steadily since 1981, rose another 3 percent in 2002, to 31.1 twins per 1,000 total live births. (See [table 50](#) for 2002 data.) The twinning rate has climbed 38 percent since 1990 (22.6 per 1,000), and 65 percent since 1980 (18.9 per 1,000). There were 125,134 live births in twin deliveries in 2002, compared with 68,339 for 1980 (102).

In contrast to the continued rise in twin birth rates, the remarkable upswing in **triplet and higher order multiples** (triplet/+) of the past two decades may have ended, at least temporarily. The rate of triplet/+ births (the number of triplets, quadruplets, and quintuplets and other higher order multiples per 100,000 live births) was down very slightly (1 percent) to 184.0 for 2002, from 185.6 in 2001. Between 1980 and 1998, the triplet/+ birth rate soared from 37.0 to 193.5 per 100,000, with an average annual increase of 13 percent for 1990–98. The rate has been comparatively stable since, however, trending slightly downward; the current year rate is 5 percent lower than the 1998 high. See [figure 11](#). In 2002 there were 6,898 triplet, 434 quadruplet, and 69 quintuplet and higher order multiple births.

Twinning rates increased among the three largest racial/ethnic groups for 2001–2002; by 4 percent for non-Hispanic white (34.8 per 1,000 in 2002), and 2 percent for non-Hispanic black (34.7), and Hispanic mothers (20.7). Since 1990 the likelihood of giving birth to a

**Table J. Rate of very low birthweight and low birthweight, and mean birthweight among singletons by race and Hispanic origin of mother: United States, 1990, 1995, 2001, and 2002**

	2002	2001	1995	1990 <sup>1</sup>
Total, all races, origins <sup>2</sup>				
Percent very low birthweight . . . . .	1.11	1.10	1.08	1.05
Percent low birthweight . . . . .	6.12	6.04	6.05	5.90
Mean birthweight (grams)/standard deviation <sup>3</sup> . . . . .	3,332(573)	3,339(573)	3,353(581)	3,365(583)
Non-Hispanic white				
Percent very low birthweight . . . . .	0.81	0.81	0.78	0.73
Percent low birthweight . . . . .	5.02	4.96	4.87	4.56
Mean birthweight (grams)/standard deviation <sup>3</sup> . . . . .	3,392(556)	3,399(557)	3,416(563)	3,433(562)
Non-Hispanic black				
Percent very low birthweight . . . . .	2.63	2.57	2.55	2.54
Percent low birthweight . . . . .	11.44	11.19	11.66	11.92
Mean birthweight (grams)/standard deviation <sup>3</sup> . . . . .	3,128(632)	3,135(632)	3,132(635)	3,128(635)
Hispanic <sup>4</sup>				
Percent very low birthweight . . . . .	0.96	0.93	0.93	0.87
Percent low birthweight . . . . .	5.44	5.40	5.36	5.23
Mean birthweight (grams)/standard deviation <sup>3</sup> . . . . .	3,332(550)	3,337(550)	3,343(553)	3,351(552)

<sup>1</sup>Data for 1990 by race and Hispanic origin exclude data for New Hampshire and Oklahoma, which did not require reporting of Hispanic origin of mother.

<sup>2</sup>Includes births to races not shown separately.

<sup>3</sup>Computed in grams.

<sup>4</sup>Includes persons of Hispanic origin of any race.

NOTES: Very low birthweight is less than 1,500 grams. Low birthweight is less than 2,500 grams. Race categories are consistent with the 1977 Office of Management and Budget guidelines; see "Technical Notes."

twin has risen by more than 50 percent among non-Hispanic white, 30 percent among non-Hispanic black, and 15 percent among Hispanic women (102).

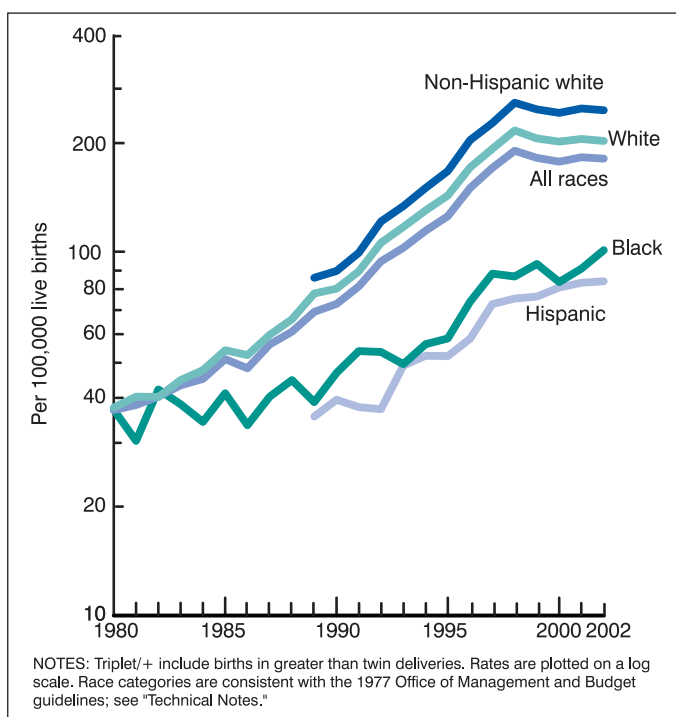
Twin birth rates were also up for all age groups for 2001–2002, but increases were most pronounced among older mothers (10 percent for women aged 40 years and over). The number of twin births to women aged 45–49 years has soared from only 39 to 991 between 1990 and 2002, and the twin birth rate from 23.8 to 189.7 per 1,000 (102). See [figure 12](#).

The rate of triplet/+ births among non-Hispanic white women declined slightly for the current year (from 253.3 to 250.4 per 100,000 for 2001–2002), continuing the generally downward trend observed for this group since 1998. Rates for non-Hispanic black (102.2 for 2002) and Hispanic women (84.1) rose for the current year, however, and have risen quite steadily since 1998.

Although triplet/+ birth rates have risen for all age groups during most of the 1990s, increases were most pronounced for women aged 25 years and over. Since 1998, however, rates for women under age 25 years have risen, but those for women aged 25 years and over have declined (7 percent).

The upsurge in multiple births over the past two decades, especially in triplet/+ births, has been associated with two related trends: advances in, and greater access to, fertility therapies (assisted reproductive technologies (ART) such as *in vitro* fertilization and non-ART procedures such as intrauterine insemination and ovulation-inducing

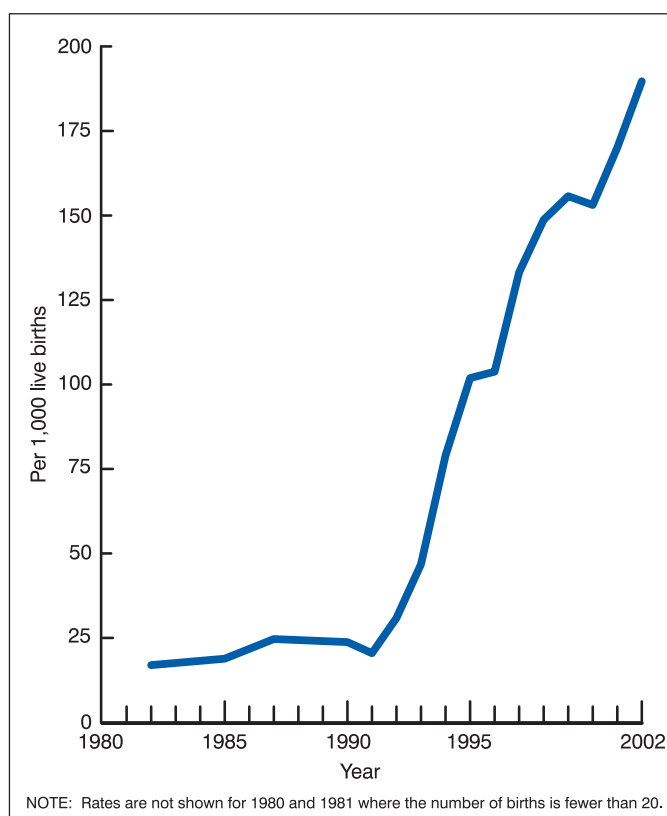




**Figure 11. Triplet/+ birth rates by race and Hispanic origin of mother, 1980–2002**

drugs), and with the older age of childbearing (women in their thirties are more likely to have a multiple birth than younger women even without the use of fertility therapies) (18,103,104). A study of triplet/+ births occurring in the year 2000 found that 43 percent resulted from ART, 40 percent were "unexplained" (likely the result of non-ART fertility treatments such as ovulation-inducing drugs); only 18 percent of triplet/+ births were naturally conceived (87).

In 1999 The American College of Obstetricians and Gynecologists and The American Society of Reproductive Medicine issued recommendations intended to prevent triplet/+ pregnancies because of their high risk of adverse outcome (105,106). These recommendations, plus refinements to assisted reproductive technologies, may be contributing to the current abatement in the incidence of higher order multiple births (107–109). A recent study found that the proportion of ART procedures involving the transfer of three or more embryos, a predictor of triplet/+ birth outcome, declined between 1997 and 2000 (87).



**Figure 12. Twin birth rates for women 45–49 years of age: United States, 1980–2002**

The higher the plurality of a pregnancy, the greater the risk of poor perinatal outcome. The average twin in 2002 was delivered more than 3 weeks earlier than the average singleton (35.3 compared with 38.8), and weighed about 1,000 grams (2 pounds) less. [table K](#). The typical triplet weighed about half of its singleton counterpart (1,687 grams) at birth; the average quintuplet less than one-third (or only 3 pounds). As one consequence, twins are nearly 5 times, and triplets/+ 12 times as likely to die by their first birthday (83). Survivors are at increased risk of long-term disabilities such as cerebral palsy (110).

**Table K. Gestational age and birthweight characteristics by plurality: United States, 2002**

	Twins	Triplets	Quadruplets	Quintuplets/+	Singletons
Number . . . . .	125,134	6,898	434	69	3,889,191
Percent very preterm <sup>1</sup> . . . . .	11.9	36.1	59.9	78.3	1.6
Percent preterm <sup>2</sup> . . . . .	58.2	92.4	96.8	91.3	10.4
Mean gestational age (weeks)/standard deviation . . . .	35.3(3.7)	32.2(3.8)	29.9(4.0)	28.5(4.7)	38.8(2.5)
Percent very low birthweight <sup>3</sup> . . . . .	10.2	34.5	61.1	83.8	1.1
Percent low birthweight <sup>4</sup> . . . . .	55.4	94.4	98.8	94.1	6.1
Mean birthweight (grams)/standard deviation . . . . .	2,347(645)	1,687(561)	1,309(522)	1,105(777)	3,332(573)

<sup>1</sup>Very preterm is less than 32 completed weeks of gestation.

<sup>2</sup>Preterm is less than 37 completed weeks of gestation.

<sup>3</sup>Very low birthweight is less than 1,500 grams.

<sup>4</sup>Low birthweight is less than 2,500 grams.

## References

- Hamilton BE, Martin JA, Sutton PD. Births: Preliminary data for 2002. National vital statistics reports; vol 51 no 11. Hyattsville, Maryland: National Center for Health Statistics. 2003.
- National Center for Health Statistics. Natality public-use tape and CD-ROM. Hyattsville, Maryland: National Center for Health Statistics. Annual products.
- National Center for Health Statistics. Vital statistics of the United States, 1999, vol I natality. Available at: <http://www.cdc.gov/nchs/datawh/statab/unpubd/natality/natab99.htm>.
- National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 2001, vol I natality. U.S. Department of Health and Human Services. Centers for Disease Control and Prevention. National Center for Health Statistics. Hyattsville, Maryland. Available at: <http://www.cdc.gov/nchs/births.htm> and included on the CD-ROM titled "Vital Statistics of the United States, vol 1 natality, 2001."
- Martin JA, Hamilton BE, Ventura SJ, Menacker F, Park MM, Sutton PD. Births: Final data for 2001. National vital statistics reports; vol 51 no 2. Hyattsville, Maryland: National Center for Health Statistics. 2002.
- Hamilton BE, Sutton PD, Ventura SJ. Revised birth and fertility rates for the 1990s and new rates for Hispanic population, 2000 and 2001: United States. National vital statistics reports; vol 51 no 12. Hyattsville, Maryland.
- Office of Management and Budget. Revisions to the standards for the classification of Federal data on race and ethnicity. Federal Register 62FR58781-58790. October 30, 1997. Available at: <http://www.whitehouse.gov/omb/fedreg/ombdir15.html>.
- Office of Management and Budget. Race and ethnic standards for Federal statistics and administrative reporting. Statistical Policy Directive 15. 1977.
- U.S. Census Bureau. 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: U.S. Department of Commerce. 1991.
- Ingram DD, Parker JD, Schenker N, Weed JA, Hamilton B, Arias E, Madans JH. United States census 2000 with bridged race categories. National Center for Health Statistics. Vital Health Stat 2(135). 2003.
- Schenker N, Parker JD. From single-race reporting to multiple-race reporting: Using imputation methods to bridge the transition. *Statistics in Medicine*. 22:1571-87. 2003.
- Ventura SJ, Abma JC, Mosher WD, Henshaw S. Revised pregnancy rates, 1990-97, and new rates for 1998-99: United States. National vital statistics reports; vol 52 no 7. Hyattsville, Maryland: National Center for Health Statistics. 2003.
- Elam-Evans LD, Strauss LT, Herndon J, Parker WY, et al. Abortion surveillance—United States, 1999. In: *MMWR* 2002;51(No. SS-9):1-28. 2002. Available at: <http://www.cdc.gov/mmwr/PDF/ss/ss5109.pdf>.
- Brener N, Kann L, Kolbe L, Lehnher J, et al. Trends in sexual risk behavior among high school students: United States, 1991-2001. *MMWR* 2001;51(38):856-9. 2001. Available at: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5138a2.htm>.
- U.S. Department of Health and Human Services. A national strategy to prevent teen pregnancy: Annual report, 1999-2000. Washington: U.S. Department of Health and Human Services. 2000. Available at: <http://aspe.hhs.gov/hsp/teenp/ann-rpt00/>.
- National Campaign to Prevent Teen Pregnancy. Mission and Goal. Available at: <http://www.teenpregnancy.org/about/atc.asp>.
- National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2002, by year, State and county, age, bridged race, sex, and Hispanic origin. File pcen V2002.zip (zipped) or pcen v2002.txt (ASCII). Released August 1, 2003. Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.
- 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. *Fertil Steril* 65(2):361-6. 1996.
- 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.
- Chandra A, Stephen EH. Impaired fecundity in the United States: 1982-1995. *Fam Plann Persp* 30(1):34-42. 1998.
- Stephen EH, Chandra A. Use of infertility services in the United States: 1995. *Fam Plann Persp* 32(3):132-7. 2000.
- Mathews TJ, Hamilton BE. Mean age of mother, 1970-2000. National vital statistics reports; vol 51 no 1. Hyattsville, Maryland: National Center for Health Statistics. 2002.
- Ventura SJ, Mathews TJ, Hamilton BE. Births to teenagers in the United States, 1940-2000. National vital statistics reports; vol 49 no 10. Hyattsville, Maryland: National Center for Health Statistics. 2001.
- Ventura SJ, Bachrach CA. Nonmarital childbearing in the United States, 1940-99. National vital statistics reports; vol 48 no 16. Hyattsville, Maryland: National Center for Health Statistics. 2000.
- Fields J. Unpublished data from the March 2001 current population survey. U.S. Census Bureau. 2002.
- Fields J. Unpublished data from the March 2002 current population survey. U.S. Census Bureau. 2002.
- Fields J. Unpublished data from the March 2003 current population survey. U.S. Census Bureau. 2003.
- U.S. Census Bureau. Years of school completed by people 25 years old and over, by age and sex: Selected years 1940 to 2002. Washington: U.S. Department of Commerce. Available at: <http://www.census.gov/population/socdemo/education/tabA-1.xls>.
- Alexander LL, La Rosa JH, and Bader H. New dimensions in women's health (2nd edition). Boston, MA: Jones and Bartlett. 2001.
- American Academy of Pediatrics and American College of Obstetricians and Gynecologists. Guidelines for Perinatal Care (4th Edition). 1997.
- Lydakis C, Beevers DG, et al. Obstetric and neonatal outcome following chronic hypertension in pregnancy among different ethnic groups. *QJM* 91(12):837-44. 1998.
- Cunningham FG, Gant NF, Leveno KJ, et al. Eds. *Williams Obstetrics* (21st edition). New York, NY: McGraw-Hill. 2001.
- Scott JR, Di Saia PJ, Hammond CB, et al. Eds. *Danforth's Obstetrics and Gynecology* (8th edition). Philadelphia, PA: Lippincott Williams & Wilkins. 1999.
- Woolbright LA, Hilliard M, Harshbarger DS, et al. Improving medical risk factor reporting on birth certificates in Alabama. *Southern Medical J* 92(9):893-97. 1999.
- Centers for Disease Control and Prevention. Prevalence of selected maternal behaviors and experiences. Pregnancy Risk Assessment Monitoring System (PRAMS) 1999. *MMWR* 51(SS-2):1-27. 2002.
- Centers for Disease Control and Prevention. Trends in cigarette smoking among high school students—United States, 1991-2001. *MMWR* 51(19):409-12. 2002.
- Kharrazi M, Epstein D, Hopkins B, Kreutzer R, et al. Evaluation of four smoking questions. *Pub Health Rep* 114(1):60-70. 1999.
- Wong M, Koren G. Bias in maternal reports of smoking during pregnancy associated with fetal distress. *Canadian Journal of Public Health* 92(2):102-12. 2001.

39. Office of the Surgeon General, Public Health Service, U.S. Department of Health and Human Services. Women and smoking: A report of the Surgeon General. Washington: U.S. Department of Health and Human Services. 2001.
40. Miller DP, Villa KF, Hogue SL, Sivapathasundaram D. Birth and first-year costs for mothers and infants attributable to smoking. *Nicotine and Tobacco Research* 3(1):25–35. 2001.
41. Mathews TJ. Smoking during pregnancy during the 1990s. National vital statistics reports; vol 49 no 7. Hyattsville, Maryland: National Center for Health Statistics. 2001.
42. 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.
43. Ventura SJ, Hamilton BE, Mathews TJ, Chandra A. Trends and variations in smoking during pregnancy and low birth weight: Evidence from the birth certificate, 1990–2000. *Pediatrics* 111(5):1176–80. 2003.
44. 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):1421–8. 1994.
45. Roeleveld N, Vingerhoets E, Zielhuis GA, Gabreels F. Mental retardation associated with parental smoking and alcohol consumption before, during, and after pregnancy. *Prev Medicine* 21:110–19. 1992.
46. Sidhu JS, Floyd RL. Alcohol use among women of childbearing age—United States, 1991–1999. *MMWR* 51(13):273–6. 2002.
47. Fiscella K. Does prenatal care improve birth outcomes? A critical review. *Obstet Gynecol* 85(3):468–79. 1995.
48. Alexander GR, Kotelchuck M. Assessing the role and effectiveness of prenatal care: History, challenges, and directions for future research. *Pub Health Rep* 116: 306–16. 2001.
49. U.S. Public Health Service. Caring for our future: The content of prenatal care. Washington: U.S. Department of Health and Human Services. 1989.
50. Howell EM. The impact of medicaid expansions for pregnant women: A synthesis of the evidence. *Med Care Research and Review* 58(1):3–30. 2001.
51. Kogan MD, Martin JA, Alexander GR, Kotelchuk M, et al. The changing pattern of prenatal care utilization in the United States, 1981–1995, using different prenatal care indices. *JAMA* 279(20):1623–8. 1998.
52. 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.
53. Banta HD, Thacker SB. Historical controversy in health technology assessment: the case of electronic fetal monitoring. *Obstet Gynecol Surv* 56(11):707–19. 2001.
54. Reichman NE, Hade EM. Validation of birth certificate data: a study of women in New Jersey's HealthStart program. *Ann Epidemiol* 11(3): 186–93. 2001.
55. Castro-Aragon I, Levine D. Ultrasound detection of first trimester malformations: a pictorial essay. *Radiologic Clinics of North America* 41(4):681–93. 2003.
56. Glantz JC. Labor induction rate variation in upstate New York: What is the difference? *Birth* 30(3):168–74. 2003.
57. Seyb ST, Berkha RJ, Socol ML, Dooley SL. Risk of cesarean delivery with elective induction of labor at term in nulliparous women. *Obstet Gynecol* 94(4):600–7. 1999.
58. Slattery MM, Morrison JJ. Preterm delivery. *Lancet* 360(9344): 1489–97. 2002.
59. Roizen NJ, Patterson D. Down's syndrome. *Lancet* 361(9365): 1281–89. 2003.
60. Clarke SC, Martin JA, Taffel SM. Trends and characteristics of births attended by midwives *Statistical Bulletin* 78(1):9–18. 1997.
61. Curtin SC, Park MM. Trends in the attendant, place, and timing of births, and in the use of obstetric interventions: United States, 1989–97. National vital statistics reports; vol 47 no 27. Hyattsville, Maryland: National Center for Health Statistics. 1999.
62. Roberts J. Challenges and opportunities for nurse-midwives. *Nurs Outlook* 49:213–6. 2001.
63. Jackson DJ, Lang JM, Swartz WH, et al. Outcomes, safety and resource utilization in a collaborative care birth center program compared with traditional physician-based perinatal care. *Am J Public Health* 93(6):999–1006. 2003.
64. Clarke SC, Taffel S. Changes in cesarean delivery in the United States, 1988 and 1993. *Birth* 22:63–7. 1995.
65. Lydon-Rochelle M, Holt VL, Easterling TR, Martin DP. First-birth cesarean and placental abruption or previa at second birth. *Obstet Gynecol* 97(5) Part 1. 765–9. 2001.
66. Gregory KD, Korst LM, Platt LD. Variation in elective primary cesarean delivery by patient and hospital factors. *Am J Obstet Gynecol* 184(7):1521–34. 2001.
67. Scott JR. Putting elective cesarean into perspective. Editorial. *Obstet Gynecol* 99(6):967–8. 2002.
68. U.S. Department of Health and Human Services. Tracking Healthy People 2010. Washington: U.S. Government Printing Office. B16–20. November 2000.
69. Zinberg S. Vaginal delivery after previous cesarean delivery: a continuing controversy. *Clinical Obstetrics and Gynecology* 44(3):561–70. 2001.
70. American College of Obstetricians and Gynecologists. Evaluation of cesarean delivery. ACOG Guidelines. Washington: American College of Obstetricians and Gynecologists. 2000.
71. Minkoff H, Chervenak FA. Elective primary cesarean delivery. *NEJM* 348(10):946–50. 2003.
72. McMahon MJ, Luther ER, Bowes WA, Olshan AF. Comparison of a trial of labor with an elective second cesarean section. *NEJM* 335:689–95. 1996.
73. Lydon-Rochelle M, Holt VL, Easterling TR, Martin DP. Risk of uterine rupture during labor among women with a prior cesarean delivery. *NEJM* 345(1):3–8. 2001.
74. Guise JM, McDonagh M, Hashima J, et al. Vaginal births after cesarean (VBAC). Evidence Report/Technology Assessment No. 71 (Prepared by the Oregon Health & Science University Evidence-based Practice Center under Contract No. 209–97-0018). AHRQ Publication No. 03-E018, Rockville, MD: Agency for Healthcare Research and Quality. March 2003.
75. Ecker JL, Chen KT, Cohen AP, et al. Increased risk of cesarean delivery with advancing maternal age: indications and associated factors in nulliparous women. *Am J Obstet Gynecol* 185(4):883–7. 2001.
76. National Center for Health Statistics. Unpublished tabulations from the 2001 Linked birth/Infant death file. 2003.
77. Goldenberg RL, Rouse DJ. Prevention of premature birth. *NEJM* 339(5):313–20. 1998.
78. Johnson RB, Williams MA, Hogue CJR, Mattison DR. Overview: new perspectives on the stubborn challenge of preterm birth. *Paediatr Perinat Epidemiol* 15(Suppl 2):3–6. 2001.
79. Blondel B, Kogan MD, Alexander GR, et al. The impact of the increasing number of multiple births on the rates of preterm birth and low birthweight: An international study. *Am J Public Health* 92(8):1323–30. 2002.
80. MacDorman MF, Mathews TJ, Martin JA, Malloy MH. Trends and characteristics of induced labour in the United States, 1989–98. *Paediatr and Perinat Epidemiol* 16:263–73. 2002.
81. Zhang J, Yancey MK, Henderson CE. U.S. national trends in labor induction, 1989–98. *J Reprod Med* 47(2):120–4. 2002.
82. Redman ME, Gonik B. Cesarean delivery rates at the threshold of viability. *Am J Obstet Gynecol* 187(4):873–6. 2002.

83. Mathews TJ, Menacker F, MacDorman MF. Infant mortality statistics from the 2001 period linked birth/infant death data set. National vital statistics reports; vol 52 no 2. Hyattsville, Maryland: National Center for Health Statistics. 2003.
84. Hack M, Klein NK, Taylor HG. Long-term developmental outcomes of low birth weight infants. In: *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.
85. Branum AM, Schoendorf KC. Changing patterns of low birthweight and preterm birth in the United States, 1981–98. *Paediatr and Perinat Epidemiol* 16:8–15. 2002.
86. Centers for Disease Control and Prevention. Contribution of assisted reproductive technology and ovulation-inducing drugs to triplet and higher-order multiple births—United States, 1980–1997. *MMWR* 49(24):535–8. 2000.
87. Reynolds MA, Schieve LA, Martin JA, et al. Trends in multiple births conceived using assisted reproductive technology, United States, 1997–2000. *Ped* 111(5):1159–66. 2003.
88. Schieve LA, Meikle SF, Ferre C, et al. Low and very low birth weight in infants conceived with use of assisted reproductive technology. *NEJM* 346(10):731–7. 2002.
89. Gore DC, Chez RA, Rimmel RS, et al. Unreliable medical information on birth certificates. *J Reprod Med* 47(4):297–302. 2002.
90. Thackray HM, Tift C. Fetal alcohol syndrome. *Pediatr Rev* 22(2):47–55. 2001.
91. Martin RJ, Fanaroff AA. The respiratory distress syndrome and its management. In: Fanaroff AA and Martin RJ, Eds. *Neonatal-Perinatal Medicine* (6th edition) Vol II. St. Louis, Missouri: Mosby. 1997.
92. Whitsett JA, Pryhuber GS, Rice WA, et al. Acute respiratory disorder. In: Avery GB, Fletcher MA, MacDonald MG Eds. *Neonatology Pathophysiology and Management of the Newborn* (5th edition). Philadelphia: Lippincott Williams & Wilkins. 1999.
93. Wax JR, Herson V, Carignan E, Mather J, Ingardia CJ. Contribution of elective delivery to severe respiratory distress at term. *Am J Perinatol* 19(2):81–6. 2002.
94. Honein MA, Paulozzi LJ, Watkins ML. Maternal smoking and birth defects: validity of birth data for effect estimation. *Public Health Reports* 116:327–35. 2001.
95. Wyszynski DF, Wu T. Use of U.S. birth certificate data to estimate the risk of maternal cigarette smoking for oral clefting. *Cleft Palate—Craniofac J* 39(2):188–92. 2002.
96. Stoll BJ, Kliegman RM. Clinical manifestations of diseases in the newborn period. In: Behrman RE, Kliegman RM, Jenson HB, Eds. *Nelson Textbook of Pediatrics* (17th edition). Philadelphia, Pennsylvania: W.B. Saunders Company. 2004.
97. Schaefer-Graf UM, Buchanan TA, Xiang A, et al. Patterns of congenital anomalies and relationship to initial maternal fasting glucose levels in pregnancies complicated by type 2 and gestational diabetes. *Am J Obstet Gynecol* 182(2):313–20. 2000.
98. Mathews TJ, Honein MA, Erickson JD. Spina bifida and anencephaly prevalence—United States, 1991–2001. In: *Folic Acid and Prevention of Spina Bifida and Anencephaly*. *MMWR* 51(RR-13):9–11. 2002.
99. Centers for Disease Control and Prevention. Folate status in women of childbearing age—United States, 1999. *MMWR* 49(42):962–5. 2000.
100. Watkins ML, Rasmussen SA, Honein MA, Botto LD, Moore CA. Maternal obesity and risk for birth defects. *Pediatrics* 111(5):1152–8 (Supp). 2003.
101. Botto LD, Mulinare J, Erickson JD. Occurrence of omphalocele in relation to maternal multivitamin use: a population-based study. *Pediatrics* 109(5): 904–8. 2002.
102. Martin JA, Park MM. Trends in twin and triplet births: 1980–97. National vital statistics reports; vol 47 no 24. Hyattsville, Maryland: National Center for Health Statistics. 1999.
103. Kiely JL, Kleinman JC, Kiely M. Triplets and other higher order multiple births: time trends and infant mortality. *AJDC* 146:862–8. 1992.
104. Reynolds MA, Schieve LA, Jeng G, et al. Risk of multiple birth associated with in vitro fertilization using donor eggs. *Am J Epidemiol* 154(11):1043–50. 2001.
105. American College of Obstetricians and Gynecologists. Nonselective embryo reduction: ethical guidance for the obstetrician-gynecologist. ACOG Committee Opinion 215. Washington: American College of Obstetricians and Gynecologists. 1999.
106. American Society for Reproductive Medicine. Guidelines on number of embryos transferred. A Practice Committee Report—A Committee Opinion. American Society for Reproductive Medicine. 1999.
107. Templeton A, Morris JK. Reducing the risk of multiple births by transfer of two embryos after in vitro fertilization. *NEJM* 339(9):573–7. 1998.
108. Gardner DK, Vella P, Lane M, Wagley L, et al. Culture and transfer of human blastocysts increases implantation rates and reduces the need for multiple embryo transfers. *Fertil Steril* 69(1):85–8. 1998.
109. Toner, JP. Progress we can be proud of: U.S. trends in assisted reproduction over the first 20 years. *Fert Steril* 78(5):943–50. 2002.
110. The ESHRE CapriWorkshop Group. Multiple gestation pregnancy, *Hum Rep* 15:1856–64. 2000.
111. 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.
112. 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.
113. 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.
114. Ventura SJ. Births to unmarried mothers: United States, 1980–92. National Center for Health Statistics. *Vital Health Stat* 21(53). 1995.
115. National Center for Health Statistics. Computer edits for natality data, effective 1993. Instruction manual, part 12. Hyattsville, Maryland: National Center for Health Statistics. 1995.
116. Alexander GR, Allen MC. Conceptualization, measurement, and use of gestational age. I. Clinical and Public Health Practice. *J Perinatal* 16(1):53–9. 1996.
117. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 2002, vol I natality. U.S. Department of Health and Human Services. Centers for Disease Control and Prevention. National Center for Health Statistics. Hyattsville, Maryland. (forthcoming) Available at: <http://www.cdc.gov/nchs/births.htm> and included on the CD-ROM titled “Vital Statistics of the United States, vol 1, Natality, 2002.”
118. U.S. Census Bureau. Census 2000 modified race data summary file. Available at: [http://eire.census.gov/popest/data/national/tables/files/MR\(31\)-CO.txt](http://eire.census.gov/popest/data/national/tables/files/MR(31)-CO.txt).
119. Ventura SJ, Hamilton BE, Sutton PD. Revised birth and fertility rates for the United States, 2000 and 2001. National vital statistics reports; vol 51 no 4. Hyattsville, Maryland: National Center for Health Statistics. 2003.
120. U.S. Census Bureau. Source and accuracy of the data for the March 2001 Current Population Survey microdata file. Available at: <http://www.bls.census.gov/cps/ads/2001/ssracc.htm>.
121. O’Connell M. Personal communication. Washington: U.S. Census Bureau. July 14, 2003.
122. Bailer JC, Ederer F. Significance factors for the ratio of a Poisson variable to its expectations. *Biometrics*. 20:639–43. 1964.
123. Schenker N, Gentleman JF. On judging the significance of differences by examining the overlap between confidence intervals. *Amer Stat* 55:182–6. 2001.



124. 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.
125. Menacker F, Curtin SC. Trends in cesarean birth and vaginal birth after previous cesarean, 1991–99. National vital statistics reports; vol 49 no 13. Hyattsville, Maryland: National Center for Health Statistics. 2001.

## List of Detailed Tables

1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2002. . . . .	30
2. Live births by age of mother, live-birth order, and race of mother: United States, 2002 . . . . .	31
3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 2002 . . . . .	32
4. Total fertility rates and birth rates by age of mother: United States, 1970–2002, and by age and race of mother: United States, 1980–2002 . . . . .	33
5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980–2002. . . . .	36
6. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2002 . . . . .	38
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, 2002 . . . . .	39
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, 2002 . . . . .	41
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, 1989–2002 . . . . .	43
10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15–19 years by age of mother: United States, each State and territory, 2002 . . . . .	46
11. Live births by race of mother: United States, each State and territory, 2002. . . . .	47
12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each State and territory, 2002 . . . . .	48
13. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by detailed race of mother and place of birth of mother: United States, 2002 . . . . .	49
14. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 2002 . . . . .	50
15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 2002 . . . . .	51
16. Live births by day of week and index of occurrence by method of delivery, day of week, and race of mother: United States, 2002 . . . . .	52
17. Number, birth rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2002 . . . . .	53
18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2001 and by age, race, and Hispanic origin of mother: United States, 1980–2002 . . . .	54
19. Number and percent of births to unmarried women by race and Hispanic origin of mother: United States, each State and territory, 2002 . . . . .	57
20. Birth rates by age and race of father: United States, 1980–2002 . . . . .	58
21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 2002 . . . . .	60
22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002 . . . .	62
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, 2002 . . . . .	64
24. Percent of births with selected medical or health characteristics by detailed race of mother, by place of birth of mother: United States, 2002 . . . . .	65
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, 2002 . . . . .	66
26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 2002 . . . . .	67
27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by detailed race of mother: United States, 2002. . . . .	68
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, 2002 . . . . .	69
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 49 reporting States and the District of Columbia, 2002 . . . . .	70
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 49 reporting States and the District of Columbia, 2002 . . . . .	71
31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution of average number of cigarettes smoked by mothers per day, according to educational attainment and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002 . . . . .	72
32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002 . . . . .	73
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, 2002 . . . . .	74
34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care, by race and Hispanic origin of mother: United States, each State and territory, 2002 . . . . .	76
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, 2002 . . . . .	77

36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 2002 . . . . .	79
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, 2002 . . . . .	80
38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2002. . . . .	81
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, 1989–2002 . . . . .	82
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, 2002 . . . . .	84
41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each State and territory, 2002 . . . . .	85
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, 2002 . . . . .	86
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, 2002 . . . . .	87
44. Percent of live births very preterm and preterm and percent of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981–2002 . . . . .	89
45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2002 . . . . .	90
46. Number and percent of births of low birthweight, by race and Hispanic origin of mother: United States, each State and territory, 2002 . . . . .	93
47. Number and percent of births of very low birthweight, by race and Hispanic origin of mother: United States, each State and territory, 2002 . . . . .	94
48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 2002 . . . . .	95
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, 2002 . . . . .	96
50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2002 . . . . .	98

# Guide to Tables in Births: Final Data for 2002

TABLE:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Geographic area:																									
States <sup>1</sup> . . . . .										10	11	12							19						
United States or all reporting areas . . . . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Years:																									
Current year only . . . . .		2	3				7	8		10	11	12	13	14	15	16	17		19		21	22	23	24	25
Trend . . . . .	1			4	5	6			9									18		20					
Type of entry:																									
Number of births . . . . .	1	2				6	7			10	11	12	13	14	15	16	17		19		21	22			
Rates or other measures . . . . .	1		3	4	5	6		8	9	10			13	14	15	16	17	18	19	20	21	22	23	24	25
Characteristics:																									
Age of father . . . . .																				20					
Age of mother . . . . .		2	3	4			7		9								17	18			21				
Alcohol use . . . . .																								24	25
Apgar score . . . . .																								24	25
Birthweight . . . . .																							23	24	25
Day of week . . . . .																16									
Education . . . . .													13	14							21				
Gestational age . . . . .																						22	23	24	25
Hispanic origin of mother . . . . .						<sup>4</sup> 6	<sup>4</sup> 7	<sup>4</sup> 8	<sup>4</sup> 9			<sup>4</sup> 12		<sup>4</sup> 14			<sup>6</sup> 17	<sup>6</sup> 18	<sup>6</sup> 19		<sup>6</sup> 21	<sup>6</sup> 22	<sup>4</sup> 23		<sup>4</sup> 25
Live-birth order . . . . .		2	3		5		7	8					13	14											
Method of delivery . . . . .																16								24	25
Month of birth . . . . .															15										
Nativity of mother . . . . .													13	14										24	25
Prenatal care . . . . .																								24	25
Race of father . . . . .																				<sup>3</sup> 20					
Race of mother . . . . .	<sup>2</sup> 1	<sup>2</sup> 2	<sup>2</sup> 3	<sup>2</sup> 4	<sup>3</sup> 5	<sup>4</sup> 6	<sup>4</sup> 7	<sup>4</sup> 8	<sup>4</sup> 9		<sup>2</sup> 11	<sup>4</sup> 12	<sup>5</sup> 13	<sup>4</sup> 14	<sup>3</sup> 15	<sup>3</sup> 16	<sup>6</sup> 17	<sup>6</sup> 18	<sup>6</sup> 19		<sup>3</sup> 21	<sup>6</sup> 22	<sup>4</sup> 23	<sup>5</sup> 24	<sup>4</sup> 25
Sex of child . . . . .													13	14											
Teenage mothers . . . . .										10			13	14											
Tobacco use . . . . .																								24	25
Unmarried mothers . . . . .													13	14			17	18	19						
Weight gain during pregnancy . . . . .																						22	23	24	25

TABLE:	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Geographic area: States <sup>1</sup> . . . . .									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	43		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 . . . . .			<sup>4</sup> 28		<sup>4</sup> 30	<sup>6</sup> 31	<sup>6</sup> 32	<sup>6</sup> 33	<sup>6</sup> 34	<sup>6</sup> 35			<sup>6</sup> 38	<sup>6</sup> 39	<sup>6</sup> 40	<sup>6</sup> 41		<sup>6</sup> 43	<sup>6</sup> 44	<sup>6</sup> 45	<sup>6</sup> 46	<sup>6</sup> 47			<sup>6</sup> 50
Medical risk factors . . . . .	26	27	28														42								
Method of delivery . . . . .														39	40	41	42								
Obstetric procedures . . . . .		27	28								36														
Place of delivery . . . . .													38												
Multiple births . . . . .																									50
Prenatal care . . . . .								33	34	35															
Race of mother . . . . .	<sup>3</sup> 26	<sup>5</sup> 27	<sup>4</sup> 28	<sup>3</sup> 29	<sup>4</sup> 30	<sup>3</sup> 31	<sup>6</sup> 32	<sup>6</sup> 33	<sup>6</sup> 34	<sup>6</sup> 35	<sup>3</sup> 36	<sup>3</sup> 37	<sup>6</sup> 38	<sup>6</sup> 39	<sup>6</sup> 40	<sup>6</sup> 41		<sup>6</sup> 43	<sup>3</sup> 44	<sup>6</sup> 45	<sup>6</sup> 46	<sup>6</sup> 47	<sup>3</sup> 48	<sup>3</sup> 49	<sup>6</sup> 50
Tobacco use . . . . .				29	30	31	32																		

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



**Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2002**

[Birth rates are live births per 1,000 population in specified group. Fertility rates are live births per 1,000 women aged 15–44 years in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970, excludes births to nonresidents of the United States]

Year	Number					Birth rate					Fertility rate				
	All races <sup>1</sup>	White	Black	American Indian <sup>2</sup>	Asian or Pacific Islander	All races <sup>1</sup>	White	Black	American Indian <sup>2</sup>	Asian or Pacific Islander	All races <sup>1</sup>	White	Black	American Indian <sup>2</sup>	Asian or Pacific Islander
Registered births															
Race of mother:															
2002 . . . . .	4,021,726	3,174,760	593,691	42,368	210,907	13.9	13.5	15.7	13.8	16.5	64.8	64.8	65.8	58.0	64.1
2001 . . . . .	4,025,933	3,177,626	606,156	41,872	200,279	14.1	13.7	16.3	13.7	16.4	65.3	65.0	67.6	58.1	64.2
2000 . . . . .	4,058,814	3,194,005	622,598	41,668	200,543	14.4	13.9	17.0	14.0	17.1	65.9	65.3	70.0	58.7	65.8
1999 . . . . .	3,959,417	3,132,501	605,970	40,170	180,776	14.2	13.7	16.8	14.2	15.9	64.4	64.0	68.5	59.0	60.9
1998 . . . . .	3,941,553	3,118,727	609,902	40,272	172,652	14.3	13.8	17.1	14.8	15.9	64.3	63.6	69.4	61.3	60.1
1997 . . . . .	3,880,894	3,072,640	599,913	38,572	169,769	14.2	13.7	17.1	14.7	16.2	63.6	62.8	69.0	60.8	61.3
1996 . . . . .	3,891,494	3,093,057	594,781	37,880	165,776	14.4	13.9	17.3	14.9	16.5	64.1	63.3	69.2	61.8	62.3
1995 . . . . .	3,899,589	3,098,885	603,139	37,278	160,287	14.6	14.1	17.8	15.3	16.7	64.6	63.6	71.0	63.0	62.6
1994 . . . . .	3,952,767	3,121,004	636,391	37,740	157,632	15.0	14.3	19.1	16.0	17.1	65.9	64.2	75.9	65.8	63.9
1993 . . . . .	4,000,240	3,149,833	658,875	38,732	152,800	15.4	14.6	20.2	17.0	17.3	67.0	64.9	79.6	69.7	64.3
1992 . . . . .	4,065,014	3,201,678	673,633	39,453	150,250	15.8	15.0	21.1	17.9	17.9	68.4	66.1	82.4	73.1	66.1
1991 . . . . .	4,110,907	3,241,273	682,602	38,841	145,372	16.2	15.3	21.8	18.3	18.3	69.3	66.7	84.8	73.9	67.1
1990 . . . . .	4,158,212	3,290,273	684,336	39,051	141,635	16.7	15.8	22.4	18.9	19.0	70.9	68.3	86.8	76.2	69.6
1989 . . . . .	4,040,958	3,192,355	673,124	39,478	133,075	16.4	15.4	22.3	19.7	18.7	69.2	66.4	86.2	79.0	68.2
1988 . . . . .	3,909,510	3,102,083	638,562	37,088	129,035	16.0	15.0	21.5	19.3	19.2	67.3	64.5	82.6	76.8	70.2
1987 . . . . .	3,809,394	3,043,828	611,173	35,322	116,560	15.7	14.9	20.8	19.1	18.4	65.8	63.3	80.1	75.6	67.1
1986 . . . . .	3,756,547	3,019,175	592,910	34,169	107,797	15.6	14.8	20.5	19.2	18.0	65.4	63.1	78.9	75.9	66.0
1985 . . . . .	3,760,561	3,037,913	581,824	34,037	104,606	15.8	15.0	20.4	19.8	18.7	66.3	64.1	78.8	78.6	68.4
1984 <sup>3</sup> . . . . .	3,669,141	2,967,100	568,138	33,256	98,926	15.6	14.8	20.1	20.1	18.8	65.5	63.2	78.2	79.8	69.2
1983 <sup>3</sup> . . . . .	3,638,933	2,946,468	562,624	32,881	95,713	15.6	14.8	20.2	20.6	19.5	65.7	63.4	78.7	81.8	71.7
1982 <sup>3</sup> . . . . .	3,680,537	2,984,817	568,506	32,436	93,193	15.9	15.1	20.7	21.1	20.3	67.3	64.8	80.9	83.6	74.8
1981 <sup>3</sup> . . . . .	3,629,238	2,947,679	564,955	29,688	84,553	15.8	15.0	20.8	20.0	20.1	67.3	64.8	82.0	79.6	73.7
1980 <sup>3</sup> . . . . .	3,612,258	2,936,351	568,080	29,389	74,355	15.9	15.1	21.3	20.7	19.9	68.4	65.6	84.7	82.7	73.2
Race of child:															
1980 <sup>3</sup> . . . . .	3,612,258	2,898,732	589,616	36,797	---	15.9	14.9	22.1	---	---	68.4	64.7	88.1	---	---
1979 <sup>3</sup> . . . . .	3,494,398	2,808,420	577,855	34,269	---	15.6	14.5	22.0	---	---	67.2	63.4	88.3	---	---
1978 <sup>3</sup> . . . . .	3,333,279	2,681,116	551,540	33,160	---	15.0	14.0	21.3	---	---	65.5	61.7	86.7	---	---
1977 <sup>3</sup> . . . . .	3,326,632	2,691,070	544,221	30,500	---	15.1	14.1	21.4	---	---	66.8	63.2	88.1	---	---
1976 <sup>3</sup> . . . . .	3,167,788	2,567,614	514,479	29,009	---	14.6	13.6	20.5	---	---	65.0	61.5	85.8	---	---
1975 <sup>3</sup> . . . . .	3,144,198	2,551,996	511,581	27,546	---	14.6	13.6	20.7	---	---	66.0	62.5	87.9	---	---
1974 <sup>3</sup> . . . . .	3,159,958	2,575,792	507,162	26,631	---	14.8	13.9	20.8	---	---	67.8	64.2	89.7	---	---
1973 <sup>3</sup> . . . . .	3,136,965	2,551,030	512,597	26,464	---	14.8	13.8	21.4	---	---	68.8	64.9	93.6	---	---
1972 <sup>3</sup> . . . . .	3,258,411	2,655,558	531,329	27,368	---	15.6	14.5	22.5	---	---	73.1	68.9	99.9	---	---
1971 <sup>4</sup> . . . . .	3,555,970	2,919,746	564,960	27,148	---	17.2	16.1	24.4	---	---	81.6	77.3	109.7	---	---
1970 <sup>4</sup> . . . . .	3,731,386	3,091,264	572,362	25,864	---	18.4	17.4	25.3	---	---	87.9	84.1	115.4	---	---
1969 <sup>4</sup> . . . . .	3,600,206	2,993,614	543,132	24,008	---	17.9	16.9	24.4	---	---	86.1	82.2	112.1	---	---
1968 <sup>4</sup> . . . . .	3,501,564	2,912,224	531,152	24,156	---	17.6	16.6	24.2	---	---	85.2	81.3	112.7	---	---
1967 <sup>5</sup> . . . . .	3,520,959	2,922,502	543,976	22,665	---	17.8	16.8	25.1	---	---	87.2	82.8	118.5	---	---
1966 <sup>4</sup> . . . . .	3,606,274	2,993,230	558,244	23,014	---	18.4	17.4	26.2	---	---	90.8	86.2	124.7	---	---
1965 <sup>4</sup> . . . . .	3,760,358	3,123,860	581,126	24,066	---	19.4	18.3	27.7	---	---	96.3	91.3	133.2	---	---
1964 <sup>4</sup> . . . . .	4,027,490	3,369,160	607,556	24,382	---	21.1	20.0	29.5	---	---	104.7	99.8	142.6	---	---
1963 <sup>4,6</sup> . . . . .	4,098,020	3,326,344	580,658	22,358	---	21.7	20.7	---	---	---	108.3	103.6	---	---	---
1962 <sup>4,6</sup> . . . . .	4,167,362	3,394,068	584,610	21,968	---	22.4	21.4	---	---	---	112.0	107.5	---	---	---
1961 <sup>4</sup> . . . . .	4,268,326	3,600,864	611,072	21,464	---	23.3	22.2	---	---	---	117.1	112.3	---	---	---
1960 <sup>4</sup> . . . . .	4,257,850	3,600,744	602,264	21,114	---	23.7	22.7	31.9	---	---	118.0	113.2	153.5	---	---
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. <sup>1</sup>For 1960–91 includes births to races not shown separately. For 1992 and later years, unknown race of mother is imputed; see “Technical Notes.”

<sup>2</sup>Includes births to Aleuts and Eskimos.

<sup>3</sup>Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see “Technical Notes.”

<sup>4</sup>Based on a 50-percent sample of births.

<sup>5</sup>Based on a 20- to 50-percent sample of births.

<sup>6</sup>Figures by race exclude New Jersey.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see “Technical Notes.” Rates for 1991–2001 may differ from those published in “Births: Final Data for 2001,” but are consistent with those published in “Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States.”

**Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 2002**

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

Live-birth order and race of mother	All ages	Under 15 years	Age of mother												
			15–19 years						20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
			Total	15 years	16 years	17 years	18 years	19 years							
All races . . . . .	4,021,726	7,315	425,493	18,703	43,147	76,881	118,651	168,111	1,022,106	1,060,391	951,219	453,927	95,788	5,224	263
1st child. . . . .	1,594,921	7,149	336,061	17,909	39,736	66,132	93,489	118,795	472,976	378,647	276,110	102,180	20,433	1,302	63
2d child. . . . .	1,306,786	145	74,552	717	3,100	9,611	21,518	39,606	349,692	362,440	342,782	148,922	26,902	1,284	67
3d child. . . . .	675,270	2	12,118	40	184	881	3,015	7,998	142,240	199,106	195,416	105,468	19,991	884	45
4th child. . . . .	264,263	1	1,470	2	13	56	289	1,110	41,554	76,926	80,687	51,192	11,818	584	31
5th child. . . . .	95,922	—	183	—	1	9	36	137	10,126	26,541	30,295	22,007	6,410	333	27
6th child. . . . .	38,759	—	24	1	—	2	4	17	2,283	9,264	12,909	10,468	3,593	211	7
7th child. . . . .	17,481	—	5	—	—	—	1	4	506	3,230	5,817	5,469	2,268	178	8
8th child and over. . . . .	18,102	—	2	—	—	—	—	2	203	1,661	4,897	6,906	4,002	418	13
Not stated . . . . .	10,222	18	1,078	34	113	190	299	442	2,526	2,576	2,306	1,315	371	30	2
White . . . . .	3,174,760	3,884	305,988	11,665	29,501	54,698	85,957	124,167	783,000	851,142	779,535	369,833	76,928	4,235	215
1st child. . . . .	1,258,492	3,784	245,314	11,219	27,365	47,722	69,011	89,997	373,535	308,459	225,965	83,646	16,638	1,097	54
2d child. . . . .	1,049,590	87	51,458	401	1,944	6,258	14,731	28,124	271,643	298,090	284,502	120,964	21,736	1,053	57
3d child. . . . .	536,533	2	7,502	22	105	532	1,805	5,038	102,307	159,468	162,924	87,595	15,984	709	42
4th child. . . . .	202,693	—	816	2	11	34	165	604	26,693	57,619	65,415	42,174	9,484	464	28
5th child. . . . .	69,349	—	98	—	1	5	23	69	5,563	17,705	23,117	17,508	5,080	259	19
6th child. . . . .	26,680	—	7	—	—	2	—	5	1,105	5,432	9,128	8,041	2,797	166	4
7th child. . . . .	11,700	—	4	—	—	—	1	3	215	1,678	3,861	4,039	1,759	141	3
8th child and over. . . . .	12,028	—	1	—	—	—	—	1	104	759	2,834	4,837	3,162	324	7
Not stated . . . . .	7,695	11	788	21	75	145	221	326	1,835	1,932	1,789	1,029	288	22	1
Black . . . . .	593,691	3,188	103,795	6,336	12,142	19,411	28,266	37,640	194,704	136,591	95,006	48,388	11,443	562	14
1st child. . . . .	222,832	3,129	78,374	6,016	10,978	16,046	21,011	24,323	75,810	33,608	20,854	8,973	1,987	96	1
2d child. . . . .	173,136	53	20,347	291	1,057	2,990	5,975	10,034	64,682	42,511	28,804	13,877	2,731	130	1
3d child. . . . .	105,565	—	4,155	17	71	322	1,083	2,662	34,835	31,262	21,719	11,005	2,486	103	—
4th child. . . . .	49,306	1	585	—	2	19	114	450	13,305	15,911	11,400	6,396	1,631	75	2
5th child. . . . .	21,689	—	76	—	—	2	11	63	4,104	7,481	5,630	3,386	961	45	6
6th child. . . . .	9,910	—	17	1	—	—	4	12	1,072	3,283	3,021	1,877	606	33	1
7th child. . . . .	4,696	—	1	—	—	—	—	1	267	1,335	1,588	1,103	375	26	1
8th child and over. . . . .	4,768	—	1	—	—	—	—	1	88	773	1,650	1,589	614	51	2
Not stated . . . . .	1,789	5	239	11	34	32	68	94	541	427	340	182	52	3	—
American Indian <sup>1</sup> . . . . .	42,368	133	7,707	406	805	1,452	2,163	2,881	14,343	10,139	6,338	2,976	701	30	1
1st child. . . . .	14,837	127	5,921	390	745	1,226	1,652	1,908	5,289	2,069	1,005	350	72	4	—
2d child. . . . .	11,784	4	1,482	16	53	208	436	769	5,216	2,887	1,518	563	113	1	—
3d child. . . . .	7,568	—	256	—	5	13	66	172	2,622	2,505	1,429	619	132	4	1
4th child. . . . .	4,087	—	29	—	—	1	4	24	892	1,507	1,049	495	109	6	—
5th child. . . . .	2,006	—	—	—	—	—	—	—	227	694	607	379	94	5	—
6th child. . . . .	980	—	—	—	—	—	—	—	49	290	361	212	66	2	—
7th child. . . . .	482	—	—	—	—	—	—	—	9	107	172	154	38	2	—
8th child and over. . . . .	495	—	—	—	—	—	—	—	3	53	176	188	69	6	—
Not stated . . . . .	129	2	19	—	2	4	5	8	36	27	21	16	8	—	—
Asian or Pacific Islander . . . . .	210,907	110	8,003	296	699	1,320	2,265	3,423	30,059	62,519	70,340	32,730	6,716	397	33
1st child. . . . .	98,760	109	6,452	284	648	1,138	1,815	2,567	18,342	34,511	28,286	9,211	1,736	105	8
2d child. . . . .	72,276	1	1,265	9	46	155	376	679	8,151	18,952	27,958	13,518	2,322	100	9
3d child. . . . .	25,604	—	205	1	3	14	61	126	2,476	5,871	9,344	6,249	1,389	68	2
4th child. . . . .	8,177	—	40	—	—	2	6	32	664	1,889	2,823	2,127	594	39	1
5th child. . . . .	2,878	—	9	—	—	2	2	5	232	661	941	734	275	24	2
6th child. . . . .	1,189	—	—	—	—	—	—	—	57	259	399	338	124	10	2
7th child. . . . .	603	—	—	—	—	—	—	—	15	110	196	173	96	9	4
8th child and over. . . . .	811	—	—	—	—	—	—	—	8	76	237	292	157	37	4
Not stated . . . . .	609	—	32	2	2	9	5	14	114	190	156	88	23	5	1

— Quantity zero.

<sup>1</sup>Includes births of Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 2002**

[Rates are live births per 1,000 women in specified age and racial group. Fertility rate computed by relating total births, regardless of age of mother, to women aged 15–44 years. Population estimated as of July 1. 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	Age of mother										
	15–44 years	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
All races . . . . .	64.8	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5
1st child . . . . .	25.8	0.7	34.0	20.8	54.1	48.1	40.7	26.6	9.3	1.8	0.1
2d child . . . . .	21.1	0.0	7.5	2.3	15.6	35.5	38.9	33.1	13.6	2.3	0.1
3d child . . . . .	10.9	*	1.2	0.2	2.8	14.5	21.4	18.8	9.6	1.7	0.1
4th child . . . . .	4.3	*	0.1	0.0	0.4	4.2	8.3	7.8	4.7	1.0	0.1
5th child . . . . .	1.5	*	0.0	*	0.0	1.0	2.9	2.9	2.0	0.6	0.0
6th and 7th child . . . . .	0.9	*	0.0	*	0.0	0.3	1.3	1.8	1.5	0.5	0.0
8th child and over . . . . .	0.3	*	*	*	*	0.0	0.2	0.5	0.6	0.3	0.0
White . . . . .	64.8	0.5	39.4	20.5	68.0	101.6	117.4	95.5	42.4	8.2	0.5
1st child . . . . .	25.7	0.5	31.7	18.5	51.6	48.6	42.7	27.7	9.6	1.8	0.1
2d child . . . . .	21.5	0.0	6.6	1.8	13.9	35.3	41.2	34.9	13.9	2.3	0.1
3d child . . . . .	11.0	*	1.0	0.1	2.2	13.3	22.1	20.0	10.1	1.7	0.1
4th child . . . . .	4.1	*	0.1	0.0	0.2	3.5	8.0	8.0	4.8	1.0	0.1
5th child . . . . .	1.4	*	0.0	*	0.0	0.7	2.4	2.8	2.0	0.5	0.0
6th and 7th child . . . . .	0.8	*	*	*	*	0.2	1.0	1.6	1.4	0.5	0.0
8th child and over . . . . .	0.2	*	*	*	*	0.0	0.1	0.3	0.6	0.3	0.0
Black . . . . .	65.8	1.8	66.6	40.0	107.6	127.1	99.0	64.4	31.5	7.4	0.4
1st child . . . . .	24.8	1.8	50.4	35.0	74.2	49.6	24.4	14.2	5.9	1.3	0.1
2d child . . . . .	19.2	0.0	13.1	4.6	26.2	42.3	30.9	19.6	9.1	1.8	0.1
3d child . . . . .	11.7	*	2.7	0.4	6.1	22.8	22.7	14.8	7.2	1.6	0.1
4th child . . . . .	5.5	*	0.4	0.0	0.9	8.7	11.6	7.8	4.2	1.1	0.1
5th child . . . . .	2.4	*	0.0	*	0.1	2.7	5.4	3.8	2.2	0.6	0.0
6th and 7th child . . . . .	1.6	*	*	*	*	0.9	3.4	3.1	1.9	0.6	0.0
8th child and over . . . . .	0.5	*	*	*	*	0.1	0.6	1.1	1.0	0.4	0.0
American Indian <sup>2</sup> . . . . .	58.0	0.9	53.8	30.7	89.2	112.6	91.8	56.4	25.4	5.8	0.3
1st child . . . . .	20.4	0.9	41.4	27.3	63.1	41.6	18.8	9.0	3.0	0.6	*
2d child . . . . .	16.2	*	10.4	3.2	21.4	41.0	26.2	13.5	4.8	1.0	*
3d child . . . . .	10.4	*	1.8	*	4.2	20.6	22.7	12.8	5.3	1.1	*
4th child . . . . .	5.6	*	0.2	*	0.5	7.0	13.7	9.4	4.2	0.9	*
5th child . . . . .	2.8	*	*	*	*	1.8	6.3	5.4	3.2	0.8	*
6th and 7th child . . . . .	2.0	*	*	*	*	0.5	3.6	4.8	3.1	0.9	*
8th child and over . . . . .	0.7	*	*	*	*	*	0.5	1.6	1.6	0.6	*
Asian or Pacific Islander . . . . .	64.1	0.3	18.3	9.0	31.5	60.4	105.4	109.6	56.5	12.5	0.9
1st child . . . . .	30.1	0.3	14.8	8.1	24.4	37.0	58.3	44.2	15.9	3.2	0.2
2d child . . . . .	22.0	*	2.9	0.8	5.9	16.4	32.0	43.6	23.4	4.3	0.2
3d child . . . . .	7.8	*	0.5	*	1.0	5.0	9.9	14.6	10.8	2.6	0.1
4th child . . . . .	2.5	*	0.1	*	0.2	1.3	3.2	4.4	3.7	1.1	0.1
5th child . . . . .	0.9	*	*	*	*	0.5	1.1	1.5	1.3	0.5	0.1
6th and 7th child . . . . .	0.5	*	*	*	*	0.1	0.6	0.9	0.9	0.4	0.1
8th child and over . . . . .	0.2	*	*	*	*	*	0.1	0.4	0.5	0.3	0.1

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Birth rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

<sup>2</sup>Includes births to Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 4. Total fertility rates and birth rates by age of mother: United States, 1970–2002, and by age and race of mother: United States, 1980–2002**

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for 1970, 1980, 1990, and 2000, and estimated as of July 1 for all other years]

			Age of mother								
Year and race	Total fertility rate	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
All races <sup>2</sup>											
2002	2,013.0	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5
2001	2,034.0	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1	0.5
2000	2,056.0	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0	0.5
1999	2,007.5	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4	0.4
1998	1,999.0	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4	0.4
1997	1,971.0	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1	0.4
1996	1,976.0	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8	0.3
1995	1,978.0	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6	0.3
1994	2,001.5	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4	0.3
1993	2,019.5	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1	0.3
1992	2,046.0	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9	0.3
1991	2,062.5	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5	0.2
1990	2,081.0	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
1988	1,934.0	1.3	53.0	33.6	79.9	110.2	114.4	74.8	28.1	4.8	0.2
1987	1,872.0	1.3	50.6	31.7	78.5	107.9	111.6	72.1	26.3	4.4	0.2
1986	1,837.5	1.3	50.2	30.5	79.6	107.4	109.8	70.1	24.4	4.1	0.2
1985	1,844.0	1.2	51.0	31.0	79.6	108.3	111.0	69.1	24.0	4.0	0.2
1984 <sup>3</sup>	1,806.5	1.2	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2
1983 <sup>3</sup>	1,799.0	1.1	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 <sup>3</sup>	1,827.5	1.1	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 <sup>3</sup>	1,812.0	1.1	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2
1980 <sup>3</sup>	1,839.5	1.1	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2
1979 <sup>3</sup>	1,808.0	1.2	52.3	32.3	81.3	112.8	111.4	60.3	19.5	3.9	0.2
1978 <sup>3</sup>	1,760.0	1.2	51.5	32.2	79.8	109.9	108.5	57.8	19.0	3.9	0.2
1977 <sup>3</sup>	1,789.5	1.2	52.8	33.9	80.9	112.9	111.0	56.4	19.2	4.2	0.2
1976 <sup>3</sup>	1,738.0	1.2	52.8	34.1	80.5	110.3	106.2	53.6	19.0	4.3	0.2
1975 <sup>3</sup>	1,774.0	1.3	55.6	36.1	85.0	113.0	108.2	52.3	19.5	4.6	0.3
1974 <sup>3</sup>	1,835.0	1.2	57.5	37.3	88.7	117.7	111.5	53.8	20.2	4.8	0.3
1973 <sup>3</sup>	1,879.0	1.2	59.3	38.5	91.2	119.7	112.2	55.6	22.1	5.4	0.3
1972 <sup>3</sup>	2,010.0	1.2	61.7	39.0	96.9	130.2	117.7	59.8	24.8	6.2	0.4
1971 <sup>4</sup>	2,266.5	1.1	64.5	38.2	105.3	150.1	134.1	67.3	28.7	7.1	0.4
1970 <sup>4</sup>	2,480.0	1.2	68.3	38.8	114.7	167.8	145.1	73.3	31.7	8.1	0.5
White											
2002	2,027.5	0.5	39.4	20.5	68.0	101.6	117.4	95.5	42.4	8.2	0.5
2001	2,040.0	0.5	41.2	21.4	70.8	103.7	117.0	95.8	41.3	8.0	0.5
2000	2,051.0	0.6	43.2	23.3	72.3	106.6	116.7	94.6	40.2	7.9	0.4
1999	2,007.5	0.6	44.0	24.5	72.8	105.0	114.9	90.7	38.5	7.4	0.4
1998	1,991.0	0.6	44.9	25.6	73.9	105.4	113.6	88.5	37.5	7.3	0.4
1997	1,955.0	0.7	45.5	26.6	74.8	104.5	111.3	85.7	36.1	6.9	0.3
1996	1,960.5	0.7	47.5	28.0	77.4	105.3	111.7	84.6	35.3	6.7	0.3
1995	1,954.5	0.8	49.5	29.7	80.0	104.7	111.7	83.3	34.2	6.4	0.3
1994	1,957.5	0.8	50.5	30.4	81.0	105.0	113.0	82.2	33.5	6.2	0.3
1993	1,961.5	0.8	50.6	30.1	81.3	106.1	114.7	81.3	32.6	5.9	0.3
1992	1,978.0	0.8	51.4	29.9	83.1	107.7	116.9	80.8	32.1	5.7	0.2
1991	1,988.0	0.8	52.6	30.6	83.2	108.8	118.0	80.2	31.8	5.2	0.2
1990	2,003.0	0.7	50.8	29.5	78.0	109.8	120.7	81.7	31.5	5.2	0.2
1989	1,931.0	0.7	47.9	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2
1988	1,856.5	0.6	44.4	26.0	69.6	103.7	114.8	75.4	27.7	4.5	0.2
1987	1,804.5	0.6	42.5	24.6	68.9	102.3	112.3	73.0	25.9	4.1	0.2
1986	1,776.0	0.6	42.3	23.8	70.1	102.7	110.8	70.9	23.9	3.8	0.2
1985	1,787.0	0.6	43.3	24.4	70.4	104.1	112.3	69.9	23.3	3.7	0.2
1984 <sup>3</sup>	1,748.5	0.6	42.9	24.3	68.4	102.7	109.8	67.7	22.2	3.6	0.2
1983 <sup>3</sup>	1,740.5	0.6	43.9	25.0	68.8	103.8	109.4	65.3	21.3	3.6	0.2
1982 <sup>3</sup>	1,767.0	0.6	45.0	25.5	70.8	107.7	111.9	64.0	20.4	3.6	0.2
1981 <sup>3</sup>	1,748.0	0.5	44.9	25.4	71.5	108.3	112.3	61.0	19.0	3.4	0.2
1980 <sup>3</sup>	1,773.0	0.6	45.4	25.5	73.2	111.1	113.8	61.2	18.8	3.5	0.2

See footnotes at end of table.

**Table 4. Total fertility rates and birth rates by age of mother: United States, 1970–2002, and by age and race of mother: United States, 1980–2002—Con.**

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for 1970, 1980, 1990, and 2000, and estimated as of July 1 for all other years]

		Age of mother										
		Total fertility rate	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>	
Year and race			10–14 years	Total	15–17 years							18–19 years
Black												
2002		1,991.0	1.8	66.6	40.0	107.6	127.1	99.0	64.4	31.5	7.4	0.4
2001		2,051.0	2.0	71.8	43.9	114.0	133.2	99.2	64.8	31.6	7.2	0.4
2000		2,129.0	2.3	77.4	49.0	118.8	141.3	100.3	65.4	31.5	7.2	0.4
1999		2,082.5	2.5	79.1	50.7	120.1	137.9	97.3	62.7	30.2	6.5	0.3
1998		2,111.5	2.8	83.5	55.5	124.3	138.4	97.5	63.2	30.0	6.6	0.3
1997		2,091.5	3.1	86.3	59.4	127.4	135.2	95.0	62.6	29.3	6.5	0.3
1996		2,088.5	3.5	89.6	63.4	130.1	133.2	94.3	62.0	28.7	6.1	0.3
1995		2,127.5	4.1	94.4	68.6	134.6	133.7	95.6	63.0	28.4	6.0	0.3
1994		2,258.5	4.5	102.9	75.2	145.8	142.9	101.5	65.0	28.7	5.9	0.3
1993		2,351.0	4.5	107.3	78.9	149.9	150.2	106.4	66.6	29.0	5.9	0.3
1992		2,416.0	4.6	111.3	80.6	156.2	156.2	109.7	67.0	28.6	5.6	0.2
1991		2,462.0	4.7	114.8	83.6	157.6	159.7	112.0	67.3	28.2	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 <sup>3</sup>		2,070.5	4.4	94.1	69.2	128.1	132.2	98.4	56.7	23.3	4.8	0.2
1983 <sup>3</sup>		2,066.0	4.1	93.9	69.6	127.1	131.9	98.4	56.2	23.3	5.1	0.3
1982 <sup>3</sup>		2,106.5	4.0	94.3	69.7	128.9	135.4	101.3	57.5	23.3	5.1	0.4
1981 <sup>3</sup>		2,117.5	4.0	94.5	69.3	131.0	136.5	102.3	57.4	23.1	5.4	0.3
1980 <sup>3</sup>		2,176.5	4.3	97.8	72.5	135.1	140.0	103.9	59.9	23.5	5.6	0.3
American Indian <sup>5</sup>												
2002		1,735.0	0.9	53.8	30.7	89.2	112.6	91.8	56.4	25.4	5.8	0.3
2001		1,746.5	1.0	56.3	31.4	94.8	115.0	90.4	55.9	24.7	5.7	0.3
2000		1,772.5	1.1	58.3	34.1	97.1	117.2	91.8	55.5	24.6	5.7	0.3
1999		1,783.5	1.4	59.9	36.5	97.9	120.7	90.6	53.8	24.3	5.7	0.3
1998		1,851.0	1.5	64.7	39.8	106.5	125.1	92.0	56.8	24.6	5.3	*
1997		1,834.5	1.5	65.2	41.1	106.8	122.5	91.6	56.0	24.4	5.4	0.3
1996		1,855.0	1.6	68.2	42.7	112.9	123.5	91.1	56.5	24.4	5.5	*
1995		1,878.5	1.6	72.9	44.7	121.8	123.1	91.6	56.5	24.3	5.5	*
1994		1,950.0	1.8	76.4	48.6	122.9	126.5	98.2	56.6	24.8	5.4	0.3
1993		2,048.5	1.4	79.8	51.7	125.5	134.2	103.5	59.5	25.5	5.6	*
1992		2,135.5	1.6	82.4	52.6	129.3	142.3	107.0	61.0	26.7	5.9	*
1991		2,142.5	1.6	84.1	52.2	132.9	143.8	105.6	60.8	26.4	5.8	0.4
1990		2,184.5	1.6	81.1	48.5	129.3	148.7	110.3	61.5	27.5	5.9	*
1989		2,248.5	1.5	82.7	51.6	128.9	152.4	114.2	64.8	27.4	6.4	*
1988		2,155.0	1.7	77.5	49.7	121.1	145.2	110.9	64.5	25.6	5.3	*
1987		2,100.5	1.7	77.2	48.8	122.2	140.0	107.9	63.0	24.4	5.6	*
1986		2,083.0	1.8	78.1	48.7	125.3	138.8	107.9	60.7	23.8	5.3	*
1985		2,129.5	1.7	79.2	47.7	124.1	139.1	109.6	62.6	27.4	6.0	*
1984 <sup>3</sup>		2,137.5	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 <sup>3</sup>		2,182.0	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 <sup>3</sup>		2,215.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 <sup>3</sup>		2,092.5	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 <sup>3</sup>		2,165.0	1.9	82.2	51.5	129.5	143.7	106.6	61.8	28.1	8.2	*

See footnotes at end of table.

**Table 4. Total fertility rates and birth rates by age of mother: United States, 1970–2002, and by age and race of mother: United States, 1980–2002—Con.**

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for 1970, 1980, 1990, and 2000, and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
Asian or Pacific Islander											
2002 . . . . .	1,819.5	0.3	18.3	9.0	31.5	60.4	105.4	109.6	56.5	12.5	0.9
2001 . . . . .	1,840.0	0.2	19.8	10.3	32.8	59.1	106.4	112.6	56.7	12.3	0.9
2000 . . . . .	1,892.0	0.3	20.5	11.6	32.6	60.3	108.4	116.5	59.0	12.6	0.8
1999 . . . . .	1,754.5	0.4	21.4	11.8	36.5	58.9	100.8	104.3	52.9	11.3	0.9
1998 . . . . .	1,731.5	0.5	22.2	13.2	36.9	59.2	98.7	101.6	51.4	11.8	0.9
1997 . . . . .	1,757.5	0.5	22.3	13.5	37.0	61.2	101.6	102.5	51.0	11.5	0.9
1996 . . . . .	1,787.0	0.6	23.5	14.3	38.6	63.5	102.8	104.1	50.2	11.9	0.8
1995 . . . . .	1,795.5	0.7	25.5	15.1	42.2	64.2	103.7	102.3	50.1	11.8	0.8
1994 . . . . .	1,834.0	0.7	26.6	15.8	43.2	66.4	108.0	102.2	50.4	11.5	1.0
1993 . . . . .	1,841.5	0.7	26.5	15.8	42.5	68.1	110.3	101.2	49.4	11.2	0.9
1992 . . . . .	1,894.5	0.7	26.5	15.1	42.9	71.7	114.6	102.7	50.7	11.1	0.9
1991 . . . . .	1,928.0	0.8	27.3	16.1	43.0	73.8	118.9	103.3	49.2	11.2	1.1
1990 . . . . .	2,002.5	0.7	26.4	16.0	40.2	79.2	126.3	106.5	49.6	10.7	1.1
1989 . . . . .	1,947.5	0.6	25.6	15.0	40.4	78.8	124.0	102.3	47.0	10.2	1.0
1988 . . . . .	1,983.5	0.6	24.2	13.6	39.6	80.7	128.0	104.4	47.5	10.3	1.0
1987 . . . . .	1,886.0	0.6	22.4	12.6	37.0	79.7	122.7	97.0	44.2	9.5	1.1
1986 . . . . .	1,836.0	0.5	22.8	12.1	38.8	79.2	119.9	92.6	41.9	9.3	1.0
1985 . . . . .	1,885.0	0.4	23.8	12.5	40.8	83.6	123.0	93.6	42.7	8.7	1.2
1984 <sup>3</sup> . . . . .	1,892.0	0.5	24.2	12.6	40.7	86.7	124.3	92.4	40.6	8.7	1.0
1983 <sup>3</sup> . . . . .	1,943.5	0.5	26.1	12.9	44.5	94.0	126.2	93.3	39.4	8.2	1.0
1982 <sup>3</sup> . . . . .	2,015.5	0.4	29.4	14.0	50.8	98.9	130.9	94.4	39.2	8.8	1.1
1981 <sup>3</sup> . . . . .	1,976.0	0.3	28.5	13.4	49.5	96.4	129.1	93.4	38.0	8.6	0.9
1980 <sup>3</sup> . . . . .	1,953.5	0.3	26.2	12.0	46.2	93.3	127.4	96.0	38.3	8.5	0.7

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

<sup>1</sup>Beginning 1997, rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

<sup>2</sup>For 1970–91 includes births to races not shown separately. For 1992 and later years, unknown race of mother is imputed; see “Technical Notes.”

<sup>3</sup>Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see “Technical Notes.”

<sup>4</sup>Based on a 50-percent sample of births.

<sup>5</sup>Includes births to Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see “Technical Notes.” Rates for 1991–2001 may differ from those published in “Births: Final Data for 2001,” but are consistent with those published in “Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States.”

**Table 5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980–2002**

[Rates are live births per 1,000 women aged 15–44 years. Population enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for live-birth order not stated or distributed]

Year and race of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races <sup>1</sup>								
2002 . . . . .	64.8	25.8	21.1	10.9	4.3	1.5	0.9	0.3
2001 . . . . .	65.3	26.0	21.3	11.0	4.3	1.6	0.9	0.3
2000 . . . . .	65.9	26.5	21.4	11.0	4.2	1.6	0.9	0.3
1999 . . . . .	64.4	26.0	21.0	10.7	4.1	1.5	0.9	0.3
1998 . . . . .	64.3	25.9	21.0	10.6	4.1	1.5	0.9	0.3
1997 . . . . .	63.6	25.9	20.7	10.4	4.0	1.5	0.9	0.3
1996 . . . . .	64.1	26.3	20.7	10.4	4.0	1.5	0.9	0.3
1995 . . . . .	64.6	26.9	20.7	10.3	4.0	1.5	0.9	0.3
1994 . . . . .	65.9	27.1	21.2	10.6	4.1	1.6	0.9	0.3
1993 . . . . .	67.0	27.3	21.7	10.9	4.3	1.6	1.0	0.3
1992 . . . . .	68.4	27.6	22.2	11.2	4.4	1.7	1.0	0.3
1991 . . . . .	69.3	28.2	22.3	11.4	4.4	1.7	1.0	0.3
1990 . . . . .	70.9	29.0	22.8	11.7	4.5	1.7	1.0	0.3
1989 . . . . .	69.2	28.4	22.4	11.3	4.3	1.6	0.9	0.3
1988 . . . . .	67.3	27.6	22.0	10.9	4.1	1.5	0.9	0.3
1987 . . . . .	65.8	27.2	21.6	10.5	3.9	1.4	0.8	0.3
1986 . . . . .	65.4	27.2	21.6	10.3	3.8	1.4	0.8	0.3
1985 . . . . .	66.3	27.6	22.0	10.4	3.8	1.4	0.8	0.3
1984 <sup>2</sup> . . . . .	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 <sup>2</sup> . . . . .	65.7	27.8	21.5	10.1	3.7	1.4	0.9	0.3
1982 <sup>2</sup> . . . . .	67.3	28.6	22.0	10.2	3.8	1.4	0.9	0.3
1981 <sup>2</sup> . . . . .	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 <sup>2</sup> . . . . .	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
White								
2002 . . . . .	64.8	25.7	21.5	11.0	4.1	1.4	0.8	0.2
2001 . . . . .	65.0	25.9	21.6	11.0	4.1	1.4	0.8	0.2
2000 . . . . .	65.3	26.3	21.5	11.0	4.0	1.4	0.8	0.2
1999 . . . . .	64.0	25.9	21.2	10.6	3.9	1.3	0.7	0.2
1998 . . . . .	63.6	25.7	21.2	10.5	3.9	1.3	0.7	0.2
1997 . . . . .	62.8	25.7	20.8	10.2	3.8	1.3	0.7	0.2
1996 . . . . .	63.3	26.2	20.9	10.2	3.8	1.3	0.7	0.2
1995 . . . . .	63.6	26.6	20.9	10.2	3.7	1.3	0.7	0.2
1994 . . . . .	64.2	26.7	21.2	10.3	3.8	1.3	0.7	0.2
1993 . . . . .	64.9	26.8	21.5	10.4	3.9	1.4	0.8	0.2
1992 . . . . .	66.1	27.1	21.9	10.7	4.0	1.4	0.8	0.2
1991 . . . . .	66.7	27.7	21.9	10.8	4.0	1.4	0.8	0.2
1990 . . . . .	68.3	28.4	22.4	11.1	4.0	1.4	0.8	0.2
1989 . . . . .	66.4	27.6	21.9	10.7	3.8	1.3	0.7	0.2
1988 . . . . .	64.5	26.8	21.6	10.4	3.6	1.2	0.7	0.2
1987 . . . . .	63.3	26.5	21.3	10.0	3.5	1.2	0.7	0.2
1986 . . . . .	63.1	26.6	21.3	9.8	3.4	1.2	0.7	0.2
1985 . . . . .	64.1	27.0	21.8	9.9	3.4	1.2	0.7	0.2
1984 <sup>2</sup> . . . . .	63.2	26.8	21.4	9.6	3.3	1.2	0.7	0.2
1983 <sup>2</sup> . . . . .	63.4	27.2	21.2	9.5	3.3	1.2	0.7	0.2
1982 <sup>2</sup> . . . . .	64.8	28.0	21.6	9.6	3.4	1.2	0.7	0.3
1981 <sup>2</sup> . . . . .	64.8	28.4	21.1	9.5	3.4	1.2	0.8	0.3
1980 <sup>2</sup> . . . . .	65.6	28.8	21.3	9.6	3.4	1.3	0.8	0.3

See footnotes at end of table.

**Table 5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980–2002—Con.**

[Rates are live births per 1,000 women aged 15–44 years. Population enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for live-birth order not stated or distributed]

Year and race of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
Black								
2002 . . . . .	65.8	24.8	19.2	11.7	5.5	2.4	1.6	0.5
2001 . . . . .	67.6	25.4	19.9	12.1	5.6	2.5	1.6	0.5
2000 . . . . .	70.0	26.2	20.8	12.5	5.8	2.5	1.7	0.6
1999 . . . . .	68.5	25.9	20.4	12.1	5.5	2.4	1.6	0.5
1998 . . . . .	69.4	26.5	20.6	12.0	5.6	2.5	1.7	0.6
1997 . . . . .	69.0	26.7	20.2	11.8	5.5	2.5	1.7	0.6
1996 . . . . .	69.2	27.0	20.1	11.7	5.5	2.5	1.7	0.6
1995 . . . . .	71.0	28.2	20.4	11.8	5.6	2.6	1.8	0.6
1994 . . . . .	75.9	29.4	21.9	12.9	6.2	2.9	2.0	0.6
1993 . . . . .	79.6	29.8	23.1	14.0	6.8	3.1	2.1	0.6
1992 . . . . .	82.4	30.3	24.1	14.8	7.1	3.3	2.1	0.6
1991 . . . . .	84.8	31.3	24.9	15.3	7.3	3.3	2.1	0.6
1990 . . . . .	86.8	32.4	25.6	15.6	7.4	3.2	2.0	0.6
1989 . . . . .	86.2	32.9	25.4	15.3	7.1	3.0	1.9	0.6
1988 . . . . .	82.6	31.8	24.6	14.4	6.6	2.8	1.8	0.5
1987 . . . . .	80.1	31.2	23.8	13.9	6.3	2.7	1.7	0.5
1986 . . . . .	78.9	31.0	23.4	13.5	6.1	2.6	1.7	0.5
1985 . . . . .	78.8	31.0	23.4	13.4	6.1	2.6	1.7	0.5
1984 <sup>2</sup> . . . . .	78.1	30.9	23.0	13.2	6.0	2.6	1.7	0.6
1983 <sup>2</sup> . . . . .	78.7	31.1	23.1	13.2	6.1	2.7	1.8	0.6
1982 <sup>2</sup> . . . . .	80.9	31.7	23.9	13.8	6.3	2.7	1.8	0.7
1981 <sup>2</sup> . . . . .	82.0	32.3	24.2	13.7	6.3	2.8	1.9	0.8
1980 <sup>2</sup> . . . . .	84.9	33.7	24.7	14.0	6.5	2.9	2.1	0.9

<sup>1</sup>Includes races other than white and black.

<sup>2</sup>Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes." Rates for 1991–2001 may differ from those published in "Births: Final Data for 2001," but are consistent with those published in "Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States."



**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, 1989–2002**

[Birth rates are live births per 1,000 population in specified group. Fertility rates are live births per 1,000 women aged 15–44 years in specified group. Population enumerated as of April 1 for 1990 and 2000, and estimated as of July 1 for all other years]

Measure and year	All origins <sup>1</sup>	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
Number										
2002	4,021,726	876,642	627,505	57,465	14,232	125,981	51,459	3,119,944	2,298,156	578,335
2001	4,025,933	851,851	611,000	57,568	14,017	121,365	47,901	3,149,572	2,326,578	589,917
2000	4,058,814	815,868	581,915	58,124	13,429	113,344	49,056	3,199,994	2,362,968	604,346
1999	3,959,417	764,339	540,674	57,138	13,088	103,307	50,132	3,147,580	2,346,450	588,981
1998	3,941,553	734,661	516,011	57,349	13,226	98,226	49,849	3,158,975	2,361,462	593,127
1997	3,880,894	709,767	499,024	55,450	12,887	97,405	45,001	3,115,174	2,333,363	581,431
1996	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099
1995	3,899,589	679,768	469,615	54,824	12,473	94,996	47,860	3,160,495	2,382,638	587,781
1994	3,952,767	665,026	454,536	57,240	11,889	93,485	47,876	3,245,115	2,438,855	619,198
1993	4,000,240	654,418	443,733	58,102	11,916	92,371	48,296	3,295,345	2,472,031	641,273
1992 <sup>3</sup>	4,049,024	643,271	432,047	59,569	11,472	89,031	51,152	3,365,862	2,527,207	657,450
1991 <sup>3</sup>	4,094,566	623,085	411,233	59,833	11,058	86,908	54,053	3,434,464	2,589,878	666,758
1990 <sup>4</sup>	4,092,994	595,073	385,640	58,807	11,311	83,008	56,307	3,457,417	2,626,500	661,701
1989 <sup>5</sup>	3,903,012	532,249	327,233	56,229	10,842	72,443	65,502	3,297,493	2,526,367	611,269
Birth rate										
2002 <sup>6</sup>	13.9	22.6	24.2	16.5	10.0	22.4	( <sup>6</sup> )	12.6	11.7	16.1
2001 <sup>6</sup>	14.1	23.0	24.8	17.8	10.3	21.8	( <sup>6</sup> )	12.8	11.8	16.6
2000 <sup>6</sup>	14.4	23.1	25.0	18.1	9.7	21.8	( <sup>6</sup> )	13.2	12.2	17.3
1999 <sup>6</sup>	14.2	22.5	24.2	18.0	9.4	21.7	( <sup>6</sup> )	13.0	12.1	17.1
1998 <sup>6</sup>	14.3	22.7	24.6	17.9	9.7	21.7	( <sup>6</sup> )	13.2	12.2	17.5
1997 <sup>6</sup>	14.2	23.0	25.3	17.2	10.0	21.3	( <sup>6</sup> )	13.1	12.2	17.4
1996 <sup>6</sup>	14.4	23.8	26.2	17.2	10.6	22.5	( <sup>6</sup> )	13.3	12.3	17.6
1995 <sup>6</sup>	14.6	24.1	25.8	18.9	10.7	24.2	( <sup>6</sup> )	13.5	12.5	18.2
1994 <sup>6</sup>	15.0	24.7	26.1	20.8	10.7	24.9	( <sup>6</sup> )	13.9	12.8	19.5
1993 <sup>6</sup>	15.4	25.4	26.8	21.5	10.5	26.3	( <sup>6</sup> )	14.3	13.1	20.7
1992 <sup>6,7</sup>	15.8	26.1	27.4	22.9	10.1	27.5	( <sup>6</sup> )	14.8	13.4	21.6
1991 <sup>6,7</sup>	16.2	26.5	27.6	23.3	9.8	28.3	( <sup>6</sup> )	15.2	13.9	22.4
1990 <sup>4,6</sup>	16.7	26.7	28.7	21.6	10.9	27.5	( <sup>6</sup> )	15.7	14.4	23.0
1989 <sup>5,6</sup>	16.3	26.2	25.7	23.7	10.0	28.3	( <sup>6</sup> )	15.4	14.2	22.8
Fertility rate										
2002 <sup>6</sup>	64.8	94.4	102.8	65.4	59.0	86.1	( <sup>6</sup> )	59.6	57.4	67.4
2001 <sup>6</sup>	65.3	96.0	105.7	72.2	56.7	82.7	( <sup>6</sup> )	60.1	57.7	69.1
2000 <sup>6</sup>	65.9	95.9	105.1	73.5	49.3	85.1	( <sup>6</sup> )	61.1	58.5	71.4
1999 <sup>6</sup>	64.4	93.0	101.5	71.1	47.0	84.8	( <sup>6</sup> )	60.0	57.7	69.9
1998 <sup>6</sup>	64.3	93.2	103.2	69.7	46.5	83.5	( <sup>6</sup> )	60.0	57.6	70.9
1997 <sup>6</sup>	63.6	94.2	106.6	65.8	53.1	80.6	( <sup>6</sup> )	59.3	56.8	70.3
1996 <sup>6</sup>	64.1	97.5	110.7	66.5	55.1	84.2	( <sup>6</sup> )	59.6	57.1	70.7
1995 <sup>6</sup>	64.6	98.8	109.9	71.3	52.2	89.1	( <sup>6</sup> )	60.2	57.5	72.8
1994 <sup>6</sup>	65.9	100.7	109.9	78.2	53.6	93.2	( <sup>6</sup> )	61.6	58.2	77.5
1993 <sup>6</sup>	67.0	103.3	110.9	79.8	53.9	101.5	( <sup>6</sup> )	62.7	58.9	81.5
1992 <sup>6,7</sup>	68.4	106.1	113.3	87.9	49.3	104.7	( <sup>6</sup> )	64.2	60.0	84.5
1991 <sup>6,7</sup>	69.3	106.9	114.9	87.9	47.6	105.5	( <sup>6</sup> )	65.2	60.9	87.0
1990 <sup>4,6</sup>	70.9	107.7	118.9	82.9	52.6	102.7	( <sup>6</sup> )	67.1	62.8	89.0
1989 <sup>5,6</sup>	69.2	104.9	106.6	86.6	49.8	95.8	( <sup>6</sup> )	65.7	60.5	84.8

<sup>1</sup>Includes origin not stated.

<sup>2</sup>Includes races other than white and black.

<sup>3</sup>Excludes data for New Hampshire, which did not report Hispanic origin.

<sup>4</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>5</sup>Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

<sup>6</sup>Rates for the Central and South American population includes other and unknown Hispanic.

<sup>7</sup>Rates are estimated for the United States based on birth data for 49 States and the District of Columbia. Births for New Hampshire that did not report Hispanic origin are included in the rates for non-Hispanic women; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Rates for 1991–2001 may differ from those published in "Births: Final Data for 2001," but are consistent with those published in "Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States."

**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, 2002**

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

			Age of mother												
Live-birth order and origin of mother	All ages	Under 15 years	15–19 years						20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
			Total	15 years	16 years	17 years	18 years	19 years							
Hispanic															
Total . . . . .	876,642	2,421	127,900	6,647	15,321	24,772	35,123	46,037	265,235	236,143	157,887	71,480	14,809	751	16
1st child . . . . .	320,582	2,354	97,956	6,318	13,917	20,666	26,388	30,667	114,879	62,031	30,560	10,696	1,991	110	5
2d child . . . . .	268,910	61	24,913	299	1,274	3,658	7,440	12,242	95,358	81,706	46,440	17,420	2,890	121	1
3d child . . . . .	166,128	–	4,131	16	85	350	1,083	2,597	39,493	57,209	43,082	18,842	3,218	151	2
4th child . . . . .	72,829	–	511	2	10	25	105	369	11,491	23,431	22,402	12,255	2,624	111	4
5th child . . . . .	27,473	–	55	–	1	4	15	35	2,684	7,668	9,039	6,289	1,662	74	2
6th child . . . . .	10,634	–	4	–	–	2	–	2	584	2,415	3,573	2,993	1,005	59	1
7th child . . . . .	4,504	–	2	–	–	–	1	1	116	772	1,482	1,459	624	49	–
8th child and over . . . . .	3,636	–	–	–	–	–	–	–	52	375	1,001	1,365	767	75	1
Not stated . . . . .	1,946	6	328	12	34	67	91	124	578	536	308	161	28	1	–
Mexican . . . . .															
Total . . . . .	627,505	1,849	97,744	5,126	11,838	19,098	26,811	34,871	196,864	170,146	106,177	45,129	9,137	448	11
1st child . . . . .	221,757	1,798	74,314	4,862	10,731	15,821	19,941	22,959	82,578	40,046	16,831	5,195	935	56	4
2d child . . . . .	189,759	45	19,473	238	1,002	2,914	5,841	9,478	71,987	58,810	28,733	9,246	1,408	56	1
3d child . . . . .	122,873	–	3,264	14	67	283	869	2,031	30,264	43,912	31,304	12,200	1,851	76	2
4th child . . . . .	55,841	–	404	2	9	22	85	286	8,911	18,292	17,346	8,978	1,843	66	1
5th child . . . . .	21,249	–	46	–	1	3	11	31	2,081	5,963	7,063	4,821	1,226	48	1
6th child . . . . .	8,319	–	4	–	–	2	–	2	468	1,878	2,793	2,356	773	46	1
7th child . . . . .	3,541	–	2	–	–	–	1	1	92	602	1,155	1,165	487	38	–
8th child and over . . . . .	2,809	–	–	–	–	–	–	–	42	286	755	1,066	597	62	1
Not stated . . . . .	1,357	6	237	10	28	53	63	83	441	357	197	102	17	–	–
Puerto Rican . . . . .															
Total . . . . .	57,465	205	10,006	524	1,254	1,992	2,721	3,515	18,724	13,841	9,415	4,385	836	53	–
1st child . . . . .	22,369	200	7,684	513	1,133	1,694	2,068	2,276	7,565	3,602	2,248	883	181	6	–
2d child . . . . .	17,742	5	1,955	11	113	274	568	989	6,589	4,607	3,039	1,318	216	13	–
3d child . . . . .	10,268	–	302	–	6	20	68	208	3,179	3,298	2,223	1,070	183	13	–
4th child . . . . .	4,145	–	44	–	1	3	9	31	1,026	1,403	987	565	111	9	–
5th child . . . . .	1,673	–	3	–	–	–	1	2	269	572	493	267	64	5	–
6th child . . . . .	625	–	–	–	–	–	–	–	50	205	209	128	31	2	–
7th child . . . . .	275	–	–	–	–	–	–	–	12	81	103	61	15	3	–
8th child and over . . . . .	266	–	–	–	–	–	–	–	2	42	97	88	35	2	–
Not stated . . . . .	102	–	18	–	1	1	7	9	32	31	16	5	–	–	–
Cuban . . . . .															
Total . . . . .	14,232	13	1,146	37	108	222	349	430	2,410	4,025	3,881	2,283	442	30	2
1st child . . . . .	6,554	13	967	36	99	198	298	336	1,490	1,967	1,402	591	115	9	–
2d child . . . . .	5,103	–	156	1	8	20	46	81	690	1,499	1,700	907	148	3	–
3d child . . . . .	1,866	–	21	–	1	4	5	11	183	419	578	544	110	11	–
4th child . . . . .	486	–	1	–	–	–	–	1	39	90	138	171	42	4	1
5th child . . . . .	118	–	–	–	–	–	–	–	4	27	36	39	10	1	1
6th child . . . . .	57	–	–	–	–	–	–	–	3	9	18	20	6	1	–
7th child . . . . .	16	–	–	–	–	–	–	–	–	3	6	4	3	–	–
8th child and over . . . . .	18	–	–	–	–	–	–	–	–	3	2	6	6	1	–
Not stated . . . . .	14	–	1	–	–	–	–	1	1	8	1	1	2	–	–
Central and South American . . . . .															
Total . . . . .	125,981	170	10,580	473	1,070	1,830	2,923	4,284	31,547	35,429	29,222	15,366	3,481	185	1
1st child . . . . .	49,915	165	8,642	449	1,002	1,613	2,365	3,213	16,721	12,748	7,806	3,207	594	32	–
2d child . . . . .	40,241	5	1,625	23	62	189	479	872	10,383	12,513	10,111	4,680	881	43	–
3d child . . . . .	21,981	–	263	–	4	22	69	168	3,427	6,677	6,743	3,953	874	44	–
4th child . . . . .	8,619	–	22	–	–	–	4	18	770	2,423	2,887	1,976	510	30	1
5th child . . . . .	3,084	–	2	–	–	1	1	–	140	725	1,036	881	286	14	–
6th child . . . . .	1,098	–	–	–	–	–	–	–	34	192	373	346	147	6	–
7th child . . . . .	457	–	–	–	–	–	–	–	7	52	139	164	88	7	–
8th child and over . . . . .	338	–	–	–	–	–	–	–	3	21	76	134	95	9	–
Not stated . . . . .	248	–	26	1	2	5	5	13	62	78	51	25	6	–	–

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, 2002—Con.**

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	Age of mother														
	All ages	Under 15 years	15–19 years						20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
			Total	15 years	16 years	17 years	18 years	19 years							
Other and unknown															
Hispanic . . . . .	51,459	184	8,424	487	1,051	1,630	2,319	2,937	15,690	12,702	9,192	4,317	913	35	2
1st child . . . . .	19,987	178	6,349	458	952	1,340	1,716	1,883	6,525	3,668	2,273	820	166	7	1
2d child . . . . .	16,065	6	1,704	26	89	261	506	822	5,709	4,277	2,857	1,269	237	6	—
3d child . . . . .	9,140	—	281	2	7	21	72	179	2,440	2,903	2,234	1,075	200	7	—
4th child . . . . .	3,738	—	40	—	—	—	7	33	745	1,223	1,044	565	118	2	1
5th child . . . . .	1,349	—	4	—	—	—	2	2	190	381	411	281	76	6	—
6th child . . . . .	535	—	—	—	—	—	—	—	29	131	180	143	48	4	—
7th child . . . . .	215	—	—	—	—	—	—	—	5	34	79	65	31	1	—
8th child and over . . . . .	205	—	—	—	—	—	—	—	5	23	71	71	34	1	—
Not stated . . . . .	225	—	46	1	3	8	16	18	42	62	43	28	3	1	—
Non-Hispanic <sup>1</sup>															
Total <sup>2</sup> . . . . .	3,119,944	4,840	295,235	11,949	27,607	51,688	82,883	121,108	750,956	817,969	787,077	379,113	80,128	4,396	230
1st child . . . . .	1,264,626	4,744	236,288	11,488	25,622	45,104	66,613	87,461	355,455	314,379	243,571	90,703	18,253	1,175	58
2d child . . . . .	1,030,613	83	49,287	415	1,813	5,915	13,976	27,168	252,494	278,831	294,380	130,517	23,806	1,152	63
3d child . . . . .	505,259	2	7,920	24	99	528	1,916	5,353	101,967	140,808	151,222	85,945	16,633	721	41
4th child . . . . .	189,824	1	951	—	3	31	181	736	29,829	53,056	57,791	38,618	9,095	462	21
5th child . . . . .	67,804	—	127	—	—	5	21	101	7,380	18,695	21,071	15,568	4,691	251	21
6th child . . . . .	27,840	—	20	1	—	—	4	15	1,686	6,782	9,244	7,397	2,558	147	6
7th child . . . . .	12,826	—	3	—	—	—	—	3	382	2,428	4,279	3,970	1,628	128	8
8th child and over . . . . .	14,264	—	2	—	—	—	—	2	149	1,272	3,843	5,463	3,188	335	12
Not stated . . . . .	6,888	10	637	21	70	105	172	269	1,614	1,718	1,676	932	276	25	—
White . . . . .	2,298,156	1,493	179,511	5,130	14,421	30,205	51,196	78,559	519,153	614,909	620,173	297,436	61,853	3,444	184
1st child . . . . .	938,374	1,461	148,559	5,002	13,677	27,293	42,929	59,658	259,314	246,081	194,681	72,685	14,568	975	50
2d child . . . . .	780,784	27	26,820	114	685	2,653	7,372	15,996	176,900	216,472	237,547	103,246	18,790	929	53
3d child . . . . .	370,714	2	3,395	6	24	181	724	2,460	63,068	102,448	119,838	68,616	12,757	552	38
4th child . . . . .	130,046	—	310	—	1	9	59	241	15,294	34,330	43,007	29,912	6,826	349	18
5th child . . . . .	41,940	—	42	—	—	1	8	33	2,899	10,063	14,113	11,222	3,408	180	13
6th child . . . . .	16,074	—	3	—	—	—	—	3	527	3,047	5,557	5,039	1,794	104	3
7th child . . . . .	7,178	—	2	—	—	—	—	2	95	907	2,367	2,579	1,133	92	3
8th child and over . . . . .	8,354	—	1	—	—	—	—	1	50	391	1,840	3,444	2,376	246	6
Not stated . . . . .	4,692	3	379	8	34	68	104	165	1,006	1,170	1,223	693	201	17	—
Black . . . . .	578,335	3,132	101,494	6,191	11,846	18,980	27,656	36,821	190,241	132,824	92,155	46,831	11,097	547	14
1st child . . . . .	216,525	3,073	76,481	5,880	10,699	15,676	20,513	23,713	73,705	32,466	20,152	8,626	1,925	96	1
2d child . . . . .	168,579	53	20,006	282	1,043	2,931	5,877	9,873	63,217	41,220	27,903	13,420	2,633	126	1
3d child . . . . .	102,961	—	4,109	17	69	321	1,076	2,626	34,229	30,487	20,995	10,643	2,399	99	—
4th child . . . . .	48,263	1	577	—	2	19	113	443	13,128	15,578	11,122	6,191	1,592	72	2
5th child . . . . .	21,302	—	76	—	—	2	11	63	4,057	7,370	5,507	3,303	939	44	6
6th child . . . . .	9,742	—	17	1	—	—	4	12	1,059	3,230	2,970	1,840	592	33	1
7th child . . . . .	4,630	—	1	—	—	—	—	1	263	1,321	1,569	1,082	367	26	1
8th child and over . . . . .	4,693	—	1	—	—	—	—	1	88	765	1,627	1,563	599	48	2
Not stated . . . . .	1,640	5	226	11	33	31	62	89	495	387	310	163	51	3	—

— Quantity zero.

<sup>1</sup>Includes origin not stated, not shown separately.<sup>2</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See "Technical Notes."

**Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2002**

[Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Birth rates are live births per 1,000 women in specified age and racial group. Populations estimated as of July 1. 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	Age of mother										
	15–44 years <sup>1</sup>	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
			Total	15–17 years	18–19 years						
Hispanic											
Total . . . . .	94.4	1.4	83.4	50.7	133.0	164.3	139.4	95.1	47.8	11.5	0.7
1st child . . . . .	34.6	1.4	64.1	44.5	93.7	71.3	36.7	18.5	7.2	1.6	0.1
2d child . . . . .	29.0	0.0	16.3	5.7	32.3	59.2	48.3	28.0	11.7	2.3	0.1
3d child . . . . .	17.9	*	2.7	0.5	6.0	24.5	33.8	26.0	12.6	2.5	0.1
4th child . . . . .	7.9	*	0.3	0.0	0.8	7.1	13.9	13.5	8.2	2.0	0.1
5th child . . . . .	3.0	*	0.0	*	0.1	1.7	4.5	5.5	4.2	1.3	0.1
6th and 7th child . . . . .	1.6	*	*	*	*	0.4	1.9	3.1	3.0	1.3	0.1
8th child and over . . . . .	0.4	*	*	*	*	0.0	0.2	0.6	0.9	0.6	0.1
Mexican . . . . .	102.8	1.5	94.5	58.6	147.5	176.9	144.5	97.9	47.5	12.3	0.8
1st child . . . . .	36.4	1.5	72.1	51.1	102.8	74.4	34.1	15.5	5.5	1.3	0.1
2d child . . . . .	31.2	0.0	18.9	6.8	36.7	64.8	50.1	26.5	9.8	1.9	0.1
3d child . . . . .	20.2	*	3.2	0.6	7.0	27.3	37.4	28.9	12.9	2.5	0.1
4th child . . . . .	9.2	*	0.4	0.1	0.9	8.0	15.6	16.0	9.5	2.5	0.1
5th child . . . . .	3.5	*	0.0	*	0.1	1.9	5.1	6.5	5.1	1.7	0.1
6th and 7th child . . . . .	1.9	*	*	*	*	0.5	2.1	3.6	3.7	1.7	0.1
8th child and over . . . . .	0.5	*	*	*	*	0.0	0.2	0.7	1.1	0.8	0.1
Puerto Rican . . . . .	65.4	1.4	61.4	39.7	*	136.5	90.6	61.5	31.3	6.3	0.5
1st child . . . . .	25.5	1.3	47.3	35.2	*	55.2	23.6	14.7	6.3	1.4	*
2d child . . . . .	20.2	*	12.0	4.2	*	48.1	30.2	19.9	9.4	1.6	*
3d child . . . . .	11.7	*	1.9	0.3	*	23.2	21.6	14.6	7.6	1.4	*
4th child . . . . .	4.7	*	0.3	*	*	7.5	9.2	6.5	4.0	0.8	*
5th child . . . . .	1.9	*	*	*	*	2.0	3.8	3.2	1.9	0.5	*
6th and 7th child . . . . .	1.0	*	*	*	*	0.5	1.9	2.0	1.3	0.3	*
8th child and over . . . . .	0.3	*	*	*	*	*	0.3	0.6	0.6	0.3	*
Cuban . . . . .	59.0	*	*	*	*	*	*	*	*	*	*
1st child . . . . .	27.2	*	*	*	*	*	*	*	*	*	*
2d child . . . . .	21.2	*	*	*	*	*	*	*	*	*	*
3d child . . . . .	7.7	*	*	*	*	*	*	*	*	*	*
4th child . . . . .	2.0	*	*	*	*	*	*	*	*	*	*
5th child . . . . .	0.5	*	*	*	*	*	*	*	*	*	*
6th and 7th child . . . . .	0.3	*	*	*	*	*	*	*	*	*	*
8th child and over . . . . .	*	*	*	*	*	*	*	*	*	*	*
Other Hispanic <sup>3</sup> . . . . .	86.1	1.1	63.0	34.7	110.3	143.3	147.2	98.4	56.1	12.2	0.8
1st child . . . . .	34.0	1.1	49.9	30.9	81.5	70.7	50.3	25.9	11.5	2.1	0.1
2d child . . . . .	27.4	*	11.1	3.5	23.8	48.9	51.5	33.3	17.0	3.1	0.2
3d child . . . . .	15.1	*	1.8	0.3	4.3	17.8	29.4	23.0	14.4	3.0	0.2
4th child . . . . .	6.0	*	0.2	*	0.5	4.6	11.2	10.1	7.3	1.7	0.1
5th child . . . . .	2.2	*	*	*	*	1.0	3.4	3.7	3.3	1.0	0.1
6th and 7th child . . . . .	1.1	*	*	*	*	0.2	1.3	2.0	2.1	0.9	*
8th child and over . . . . .	0.3	*	*	*	*	*	0.1	0.4	0.6	0.4	*
Non-Hispanic <sup>4</sup>											
Total <sup>5</sup> . . . . .	59.6	0.6	35.5	18.2	61.8	91.8	107.9	90.8	40.4	7.9	0.5
1st child . . . . .	24.2	0.6	28.5	16.5	46.8	43.5	41.6	28.2	9.7	1.8	0.1
2d child . . . . .	19.7	0.0	5.9	1.6	12.5	30.9	36.8	34.0	13.9	2.3	0.1
3d child . . . . .	9.7	*	1.0	0.1	2.2	12.5	18.6	17.5	9.2	1.6	0.1
4th child . . . . .	3.6	*	0.1	0.0	0.3	3.7	7.0	6.7	4.1	0.9	0.1
5th child . . . . .	1.3	*	0.0	*	0.0	0.9	2.5	2.4	1.7	0.5	0.0
6th and 7th child . . . . .	0.8	*	0.0	*	0.0	0.3	1.2	1.6	1.2	0.4	0.0
8th child and over . . . . .	0.3	*	*	*	*	0.0	0.2	0.4	0.6	0.3	0.0

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, 2002—Con.**

[Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Birth rates are live births per 1,000 women in specified age and racial group. Populations estimated as of July 1. 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	Age of mother										
	15–19 years					20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
	15–44 years <sup>1</sup>	10–14 years	Total	15–17 years	18–19 years						
White . . . . .	57.4	0.2	28.5	13.1	51.9	84.3	109.3	94.4	40.9	7.6	0.5
1st child . . . . .	23.5	0.2	23.7	12.2	41.1	42.2	43.8	29.7	10.0	1.8	0.1
2d child . . . . .	19.5	0.0	4.3	0.9	9.4	28.8	38.5	36.2	14.2	2.3	0.1
3d child . . . . .	9.3	*	0.5	0.1	1.3	10.3	18.3	18.3	9.5	1.6	0.1
4th child . . . . .	3.3	*	0.0	*	0.1	2.5	6.1	6.6	4.1	0.8	0.0
5th child . . . . .	1.1	*	0.0	*	0.0	0.5	1.8	2.2	1.5	0.4	0.0
6th and 7th child . . . . .	0.6	*	*	*	*	0.1	0.7	1.2	1.1	0.4	0.0
8th child and over . . . . .	0.2	*	*	*	*	0.0	0.1	0.3	0.5	0.3	0.0
Black . . . . .	67.4	1.9	68.3	41.0	110.3	131.0	102.1	66.1	32.1	7.5	0.4
1st child . . . . .	25.3	1.9	51.6	35.8	75.9	50.9	25.0	14.5	5.9	1.3	0.1
2d child . . . . .	19.7	0.0	13.5	4.7	27.0	43.6	31.8	20.1	9.2	1.8	0.1
3d child . . . . .	12.0	*	2.8	0.5	6.3	23.6	23.5	15.1	7.3	1.6	0.1
4th child . . . . .	5.6	*	0.4	0.0	1.0	9.1	12.0	8.0	4.3	1.1	0.1
5th child . . . . .	2.5	*	0.1	*	0.1	2.8	5.7	4.0	2.3	0.6	0.0
6th and 7th child . . . . .	1.7	*	*	*	*	0.9	3.5	3.3	2.0	0.6	0.0
8th child and over . . . . .	0.5	*	*	*	*	0.1	0.6	1.2	1.1	0.4	0.0

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for the Hispanic subgroups, fewer than 75,000 women in the denominator; see "Technical Notes." These guidelines for denominator size follow the suggestions of the U.S. Census Bureau.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Fertility rates computed by relating total births, regardless of age of mother, to women aged 15–44 years.

<sup>2</sup>Birth rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

<sup>3</sup>Includes Central and South American and other and unknown Hispanic.

<sup>4</sup>Includes origin not stated.

<sup>5</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table only non-Hispanic women are classified by race.

**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, 1989–2002**

[Fertility rates are live births per 1,000 women aged 15–44 years in specified racial group and birth rates are live births per 1,000 women in specified age and racial group. Population enumerated as of April 1 for 1990 and 2000, and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

				Age of mother									
Year and origin/ race of mother	Total fertility rate	Fertility rate <sup>1</sup>	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>	
				Total	15–17 years	18–19 years							
All origins													
2002	2,013.0	64.8	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5	
2001	2,034.0	65.3	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1	0.5	
2000	2,056.0	65.9	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0	0.5	
1999	2,007.5	64.4	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4	0.4	
1998	1,999.0	64.3	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4	0.4	
1997	1,971.0	63.6	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1	0.4	
1996	1,976.0	64.1	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8	0.3	
1995	1,978.0	64.6	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6	0.3	
1994	2,001.5	65.9	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4	0.3	
1993	2,019.5	67.0	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1	0.3	
1992	2,046.0	68.4	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9	0.3	
1991	2,062.5	69.3	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	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													
2002	2,718.0	94.4	1.4	83.4	50.7	133.0	164.3	139.4	95.1	47.8	11.5	0.7	
2001	2,748.5	96.0	1.6	86.4	52.8	135.5	163.5	140.4	97.6	47.9	11.6	0.7	
2000	2,730.0	95.9	1.7	87.3	55.5	132.6	161.3	139.9	97.1	46.6	11.5	0.6	
1999	2,649.0	93.0	1.9	86.8	56.9	129.8	157.3	135.8	92.3	44.5	10.6	0.6	
1998	2,652.5	93.2	1.9	87.9	58.4	131.7	159.3	136.1	90.5	43.4	10.8	0.6	
1997	2,680.5	94.2	2.1	89.6	61.0	132.9	162.6	137.5	89.6	43.4	10.7	0.6	
1996	2,772.0	97.5	2.4	94.6	64.1	140.5	170.2	140.7	91.3	43.9	10.7	0.6	
1995	2,798.5	98.8	2.6	99.3	67.9	146.7	171.9	140.4	90.5	43.7	10.7	0.6	
1994	2,839.0	100.7	2.6	101.3	69.6	148.3	175.7	142.4	91.1	43.4	10.7	0.6	
1993	2,894.5	103.3	2.6	101.8	68.4	151.5	180.0	146.0	93.2	44.1	10.6	0.6	
1992 <sup>3</sup>	2,957.5	106.1	2.5	103.3	68.9	153.9	185.2	148.8	94.8	45.3	11.0	0.6	
1991 <sup>3</sup>	2,963.5	106.9	2.4	104.6	69.3	155.1	184.6	150.0	95.1	44.7	10.7	0.6	
1990 <sup>4</sup>	2,959.5	107.7	2.4	100.3	65.9	147.7	181.0	153.0	98.3	45.3	10.9	0.7	
1989 <sup>5</sup>	2,903.5	104.9	2.3	100.8	---	---	184.4	146.6	92.1	43.5	10.4	0.6	
Mexican													
2002	2,879.5	102.8	1.5	94.5	58.6	147.5	176.9	144.5	97.9	47.5	12.3	0.8	
2001	2,928.5	105.7	1.7	95.4	59.3	147.0	177.0	146.4	101.9	50.0	12.6	0.7	
2000	2,906.5	105.1	1.9	95.4	60.6	146.7	174.9	144.7	102.3	49.2	12.2	0.7	
1999	2,823.0	101.5	2.1	94.3	60.7	146.0	170.8	141.4	97.4	47.2	10.7	0.7	
1998	2,878.0	103.2	2.1	96.4	62.8	149.6	176.5	147.4	94.9	46.9	10.8	0.6	
1997	2,957.0	106.6	2.3	103.4	71.1	152.1	180.9	150.0	95.3	47.4	11.5	0.6	
1996	3,052.0	110.7	2.6	112.2	77.5	162.1	185.3	154.7	96.5	46.4	12.0	0.7	
1995	3,034.0	109.9	2.8	115.9	78.7	172.2	190.4	146.6	93.0	45.5	11.9	0.7	
1994	3,024.0	109.9	2.7	109.2	73.4	164.2	189.1	153.6	92.5	45.3	11.7	0.7	
1993	3,041.5	110.9	2.5	103.6	68.3	157.0	187.9	159.5	97.2	45.5	11.3	0.8	
1992 <sup>3</sup>	3,107.0	113.3	2.4	105.1	---	---	196.6	160.2	97.1	47.4	11.8	0.8	
1991 <sup>3</sup>	3,103.5	114.9	2.5	108.3	70.2	164.3	192.4	156.1	99.7	49.1	11.9	0.7	
1990 <sup>4</sup>	3,214.0	118.9	2.5	108.0	69.7	162.2	200.3	165.3	104.4	49.1	12.4	0.8	
1989 <sup>5</sup>	2,916.5	106.6	2.0	94.5	---	---	184.3	153.7	96.1	41.0	11.1	0.6	

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, 1989–2002—Con.**

[Fertility rates are live births per 1,000 women aged 15–44 years in specified racial group and birth rates are live births per 1,000 women in specified age and racial group. Population enumerated as of April 1 for 1990 and 2000, and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

				Age of mother								
Year and origin/ race of mother	Total fertility rate	Fertility rate <sup>1</sup>	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
				Total	15–17 years	18–19 years						
Puerto Rican												
2002	1,947.5	65.4	1.4	61.4	39.7	*	136.5	90.6	61.5	31.3	6.3	0.5
2001	2,165.0	72.2	1.7	82.2	*	*	147.2	93.6	70.5	30.7	6.7	0.4
2000	2,178.5	73.5	1.7	82.9	54.7	120.4	149.5	101.6	61.1	32.0	6.6	0.3
1999	2,104.5	71.1	1.6	74.0	49.3	*	146.0	106.5	58.0	27.3	7.2	0.3
1998	2,043.5	69.7	1.8	76.2	51.7	*	146.7	88.7	61.9	25.8	7.2	0.4
1997	1,931.5	65.8	1.7	68.9	44.9	*	136.0	92.9	54.1	26.1	6.2	0.4
1996	1,965.0	66.5	1.9	76.5	48.5	*	133.7	95.6	54.3	25.2	5.6	*
1995	2,076.5	71.3	2.6	82.8	57.0	*	138.1	97.9	61.2	26.9	5.5	0.3
1994	2,341.5	78.2	3.1	99.6	68.5	*	169.0	103.8	59.5	27.5	5.6	0.2
1993	2,416.0	79.8	3.1	104.9	70.0	*	184.6	102.8	54.4	26.7	6.2	*
1992 <sup>3</sup>	2,569.0	87.9	3.4	106.5	---	---	199.1	102.7	65.3	29.9	6.6	*
1991 <sup>3</sup>	2,573.5	87.9	2.7	111.0	*	*	193.3	108.9	68.1	23.9	6.5	*
1990 <sup>4</sup>	2,301.0	82.9	2.9	101.6	71.6	141.6	150.1	109.9	62.8	26.2	6.2	0.5
1989 <sup>5</sup>	2,421.0	86.6	3.8	112.7	---	---	171.0	98.0	65.2	26.9	6.3	*
Cuban												
2002	1,940.5	59.0	*	*	*	*	*	*	*	*	*	*
2001	1,792.5	56.7	*	*	*	*	*	*	*	*	*	*
2000	1,528.0	49.3	*	23.5	14.2	43.4	64.2	104.0	68.1	37.3	7.9	*
1999	1,388.5	47.0	*	*	*	*	*	*	*	*	*	*
1998	1,402.5	46.5	*	*	*	*	*	*	*	*	*	*
1997	1,619.5	53.1	*	*	*	*	*	*	*	*	*	*
1996	1,617.0	55.1	*	*	*	*	*	*	*	*	*	*
1995	1,583.5	52.2	*	*	*	*	*	*	*	*	*	*
1994	1,587.0	53.6	*	*	*	*	*	*	*	*	*	*
1993	1,570.0	53.9	*	*	*	*	*	*	*	*	*	*
1992 <sup>3</sup>	1,447.5	49.3	*	*	---	---	*	*	*	*	*	*
1991 <sup>3</sup>	1,352.5	47.6	*	*	*	*	*	*	*	*	*	*
1990 <sup>4</sup>	1,459.5	52.6	*	30.3	18.2	46.1	64.6	95.4	67.6	28.2	4.9	*
1989 <sup>5</sup>	1,479.0	49.8	*	*	---	---	*	*	*	*	*	*
Other Hispanic <sup>6</sup>												
2002	2,610.5	86.1	1.1	63.0	34.7	110.3	143.3	147.2	98.4	56.1	12.2	0.8
2001	2,519.5	82.7	1.1	65.3	35.6	115.2	136.0	143.3	95.4	50.3	11.6	0.9
2000	2,563.5	85.1	1.2	69.9	44.4	102.0	133.2	143.9	103.6	47.7	12.5	0.7
1999	2,517.0	84.8	1.5	75.5	53.0	100.7	130.2	138.4	98.3	46.5	12.3	0.7
1998	2,448.5	83.5	1.8	75.0	53.2	100.5	122.7	133.6	97.8	45.4	12.8	0.6
1997	2,376.5	80.6	1.8	66.4	44.4	98.4	129.3	125.8	95.6	43.9	11.8	0.7
1996	2,516.5	84.2	2.2	64.8	43.3	95.9	149.6	127.9	98.0	49.1	11.0	0.7
1995	2,628.5	89.1	2.1	72.1	51.0	100.2	144.3	147.7	97.9	49.4	11.6	0.6
1994	2,693.0	93.2	2.5	82.6	62.5	105.6	151.2	137.0	104.4	48.4	11.9	0.6
1993	2,914.5	101.5	2.6	102.0	74.6	135.0	167.5	139.4	106.7	51.7	12.5	0.5
1992 <sup>3</sup>	2,990.0	104.7	2.4	108.2	---	---	168.0	152.0	104.4	50.0	12.5	0.5
1991 <sup>3</sup>	3,064.5	105.5	2.2	100.7	67.4	145.3	184.1	164.5	100.2	49.2	11.4	0.6
1990 <sup>4</sup>	2,877.0	102.7	2.1	86.0	57.2	123.8	162.9	155.8	106.9	49.4	11.6	0.7
1989 <sup>5</sup>	2,683.0	95.8	1.7	66.4	---	---	159.2	150.4	85.1	60.3	12.7	0.8

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, 1989–2002—Con.**

[Fertility rates are live births per 1,000 women aged 15–44 years in specified racial group and birth rates are live births per 1,000 women in specified age and racial group. Population enumerated as of April 1 for 1990 and 2000, and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

				Age of mother								
Year and origin/ race of mother	Total fertility rate	Fertility rate <sup>1</sup>	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
				Total	15–17 years	18–19 years						
Non-Hispanic <sup>7</sup>												
Total <sup>8</sup>												
2002	1,877.0	59.6	0.6	35.5	18.2	61.8	91.8	107.9	90.8	40.4	7.9	0.5
2001	1,898.5	60.1	0.6	37.9	19.6	65.2	94.9	107.7	90.9	39.5	7.7	0.5
2000	1,931.5	61.1	0.7	40.7	21.9	68.2	99.5	108.4	90.2	38.8	7.6	0.4
1999	1,894.0	60.0	0.8	42.2	23.2	70.2	98.4	106.7	86.2	37.0	7.1	0.4
1998	1,887.5	60.0	0.8	44.0	25.2	72.4	98.9	105.8	84.4	36.2	7.0	0.4
1997	1,853.0	59.3	0.9	45.0	26.7	73.7	97.4	103.5	82.0	34.8	6.7	0.3
1996	1,852.0	59.6	1.0	47.0	28.5	75.7	97.3	103.6	80.8	33.9	6.5	0.3
1995	1,856.5	60.2	1.1	49.3	30.6	78.4	97.4	104.1	79.9	33.0	6.2	0.3
1994	1,883.5	61.6	1.2	51.7	32.4	81.3	99.5	106.5	79.1	32.4	6.0	0.3
1993	1,901.5	62.7	1.2	52.7	32.9	82.2	101.7	108.7	78.4	31.6	5.7	0.3
1992 <sup>3</sup>	1,929.0	64.2	1.2	54.3	33.2	85.2	104.3	111.4	77.9	31.1	5.4	0.2
1991 <sup>3</sup>	1,953.0	65.2	1.3	56.1	34.4	86.1	106.5	113.1	77.5	30.8	5.1	0.2
1990 <sup>4</sup>	1,979.5	67.1	1.3	54.8	33.8	81.4	108.1	116.5	79.2	30.7	5.1	0.2
1989 <sup>5</sup>	1,921.0	65.7	1.3	53.4	---	---	107.8	113.4	74.7	28.6	4.8	0.2
White												
2002	1,828.5	57.4	0.2	28.5	13.1	51.9	84.3	109.3	94.4	40.9	7.6	0.5
2001	1,843.0	57.7	0.3	30.3	14.0	54.8	87.1	108.9	94.3	39.8	7.5	0.4
2000	1,866.0	58.5	0.3	32.6	15.8	57.5	91.2	109.4	93.2	38.8	7.3	0.4
1999	1,838.5	57.7	0.3	34.1	17.1	59.3	90.6	108.6	89.5	37.3	6.9	0.4
1998	1,825.0	57.6	0.3	35.3	18.4	60.8	91.2	107.4	87.2	36.4	6.8	0.4
1997	1,785.5	56.8	0.4	36.0	19.4	61.9	90.0	104.8	84.3	34.8	6.5	0.3
1996	1,781.0	57.1	0.4	37.6	20.6	63.8	90.1	104.9	82.8	33.9	6.2	0.3
1995	1,777.5	57.5	0.4	39.3	22.0	65.9	90.2	105.1	81.5	32.8	5.9	0.3
1994	1,782.5	58.2	0.5	40.4	22.8	67.3	90.9	106.6	80.2	32.0	5.7	0.2
1993	1,786.0	58.9	0.5	40.7	22.7	67.5	92.2	108.2	79.0	31.0	5.4	0.2
1992 <sup>3</sup>	1,803.5	60.0	0.5	41.7	22.7	69.7	93.9	110.6	78.3	30.4	5.1	0.2
1991 <sup>3</sup>	1,822.5	60.9	0.5	43.4	23.7	70.6	95.7	112.1	77.7	30.2	4.7	0.2
1990 <sup>4</sup>	1,850.5	62.8	0.5	42.5	23.2	66.6	97.5	115.3	79.4	30.0	4.7	0.2
1989 <sup>5</sup>	1,770.0	60.5	0.4	39.9	---	---	94.7	111.7	75.0	27.8	4.3	0.2
Black												
2002	2,047.0	67.4	1.9	68.3	41.0	110.3	131.0	102.1	66.1	32.1	7.5	0.4
2001	2,104.5	69.1	2.1	73.5	44.9	116.7	137.2	102.1	66.2	32.1	7.3	0.4
2000	2,178.5	71.4	2.4	79.2	50.1	121.9	145.4	102.8	66.5	31.8	7.2	0.4
1999	2,134.0	69.9	2.6	81.0	52.0	123.1	142.1	99.8	63.9	30.6	6.5	0.3
1998	2,164.0	70.9	2.9	85.7	57.0	127.4	142.5	99.9	64.4	30.4	6.7	0.3
1997	2,137.5	70.3	3.2	88.3	60.9	130.4	138.8	97.2	63.6	29.6	6.5	0.3
1996	2,140.0	70.7	3.6	91.9	65.0	133.4	137.0	96.7	63.2	29.1	6.2	0.3
1995	2,186.5	72.8	4.2	97.2	70.6	138.5	137.8	98.5	64.4	28.8	6.1	0.3
1994	2,314.5	77.5	4.6	105.7	77.2	149.8	146.8	104.1	66.3	29.1	6.0	0.3
1993	2,412.5	81.5	4.6	110.5	81.3	154.2	154.5	109.2	68.1	29.4	5.9	0.3
1992 <sup>3</sup>	2,482.5	84.5	4.8	114.7	83.0	160.8	160.8	112.8	68.4	29.1	5.7	0.2
1991 <sup>3</sup>	2,532.0	87.0	4.9	118.2	86.2	162.0	164.8	115.1	68.9	28.7	5.6	0.2
1990 <sup>4</sup>	2,547.5	89.0	5.0	116.2	84.9	157.5	165.1	118.4	70.2	28.7	5.6	0.3
1989 <sup>5</sup>	2,424.0	84.8	5.2	111.9	---	---	156.3	113.8	65.7	26.3	5.3	0.3

--- Data not available.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for the Hispanic subgroups, fewer than 50 women for census years and 75,000 women for noncensus years in the denominator; see "Technical Notes." These guidelines follow the suggestions of the U.S. Census Bureau.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Fertility rates computed by relating total births, regardless of age of mother, to women 15–44 years.

<sup>2</sup>Beginning 1997, rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

<sup>3</sup>Excludes data for New Hampshire, which did not report Hispanic origin.

<sup>4</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>5</sup>Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

<sup>6</sup>Includes Central and South American and other and unknown Hispanic.

<sup>7</sup>Includes origin not stated.

<sup>8</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical notes." Rates for 1991–2001 may differ from those published in "Births: Final Data for 2001," but are consistent with those published in "Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States."



**Table 10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15–19 years by age of mother: United States, each State and territory, 2002**

[By place of residence. Birth rates are live births per 1,000 estimated population in each area; fertility rates are live births per 1,000 women aged 15–44 years estimated in each area; total fertility rates are sums of birth rates for 5-year age groups multiplied by 5; birth rates by age are live births per 1,000 women in specified age group estimated in each area. Populations estimated as of July 1]

State	Number of births	Birth rate	Fertility rate	Total fertility rate	Teenage birth rate		
					15–19 years		
					Total	15–17 years	18–19 years
United States <sup>1</sup> . . . . .	4,021,726	13.9	64.8	2,013.0	43.0	23.2	72.8
Alabama . . . . .	58,967	13.1	61.2	1,882.0	54.5	31.5	88.7
Alaska . . . . .	9,938	15.4	73.5	2,550.5	39.5	18.9	73.7
Arizona . . . . .	87,837	16.1	77.8	2,362.0	61.2	35.0	102.5
Arkansas . . . . .	37,437	13.8	66.6	2,040.0	59.9	31.6	101.7
California . . . . .	529,357	15.1	68.3	2,074.0	41.1	22.6	69.1
Colorado . . . . .	68,418	15.2	69.3	2,150.5	47.0	26.2	79.1
Connecticut . . . . .	42,001	12.1	58.8	1,881.5	25.8	14.1	45.1
Delaware . . . . .	11,090	13.7	62.2	1,938.5	46.3	24.7	77.8
District of Columbia . . . . .	7,498	13.1	52.9	1,582.5	69.1	44.8	101.5
Florida . . . . .	205,579	12.3	62.5	1,997.0	44.5	23.2	78.4
Georgia . . . . .	133,300	15.6	68.4	2,109.0	55.7	31.4	92.8
Hawaii . . . . .	17,477	14.0	68.6	2,137.0	38.2	17.7	66.4
Idaho . . . . .	20,970	15.6	73.8	2,273.0	39.1	18.4	69.1
Illinois . . . . .	180,622	14.3	66.1	2,035.5	42.2	23.4	70.5
Indiana . . . . .	85,081	13.8	64.8	2,015.5	44.6	22.6	78.5
Iowa . . . . .	37,559	12.8	61.7	1,948.0	32.5	16.4	55.4
Kansas . . . . .	39,412	14.5	68.7	2,146.0	43.0	21.4	74.2
Kentucky . . . . .	54,233	13.3	60.5	1,881.0	51.0	26.5	84.8
Louisiana . . . . .	64,872	14.5	65.4	1,990.5	58.1	31.7	96.1
Maine . . . . .	13,559	10.5	49.8	1,661.5	25.4	11.9	45.2
Maryland . . . . .	73,323	13.4	60.6	1,922.0	35.4	20.0	59.6
Massachusetts . . . . .	80,645	12.5	56.7	1,711.0	23.3	12.5	39.6
Michigan . . . . .	129,967	12.9	60.7	1,915.0	34.8	18.0	60.8
Minnesota . . . . .	68,025	13.6	62.0	1,972.0	27.5	14.2	47.3
Mississippi . . . . .	41,518	14.5	65.7	1,975.5	64.7	37.6	103.3
Missouri . . . . .	75,251	13.3	62.1	1,942.5	44.1	22.2	76.6
Montana . . . . .	11,049	12.1	60.3	1,973.5	36.4	17.8	63.3
Nebraska . . . . .	25,383	14.7	69.5	2,166.0	37.0	18.3	64.2
Nevada . . . . .	32,571	15.0	72.5	2,245.5	53.9	28.0	96.7
New Hampshire . . . . .	14,442	11.3	52.4	1,733.0	20.0	8.1	39.0
New Jersey . . . . .	114,751	13.4	63.5	2,011.5	26.8	14.7	46.1
New Mexico . . . . .	27,753	15.0	70.7	2,207.5	62.4	37.8	99.5
New York . . . . .	251,415	13.1	59.8	1,829.5	29.5	15.7	50.1
North Carolina . . . . .	117,335	14.1	65.4	2,015.5	52.2	28.6	89.3
North Dakota . . . . .	7,757	12.2	58.7	1,858.5	27.2	11.7	48.7
Ohio . . . . .	148,720	13.0	61.7	1,943.0	39.5	20.1	69.4
Oklahoma . . . . .	50,387	14.4	68.8	2,096.5	58.0	30.1	97.6
Oregon . . . . .	45,192	12.8	61.9	1,909.5	36.8	18.2	64.8
Pennsylvania . . . . .	142,850	11.6	56.4	1,803.5	31.6	17.2	53.7
Rhode Island . . . . .	12,894	12.1	54.6	1,703.5	35.6	19.6	59.0
South Carolina . . . . .	54,570	13.3	60.7	1,868.0	53.0	29.2	87.2
South Dakota . . . . .	10,698	14.1	68.3	2,186.0	38.0	17.3	67.8
Tennessee . . . . .	77,482	13.4	62.2	1,940.0	54.3	28.2	94.2
Texas . . . . .	372,450	17.1	77.1	2,354.0	64.4	38.2	104.3
Utah . . . . .	49,182	21.2	90.6	2,544.0	36.8	17.8	62.4
Vermont . . . . .	6,387	10.4	48.9	1,604.0	24.2	10.4	44.4
Virginia . . . . .	99,672	13.7	61.9	1,927.5	37.6	19.0	66.0
Washington . . . . .	79,028	13.0	60.2	1,886.0	33.0	16.8	57.6
West Virginia . . . . .	20,712	11.5	57.0	1,780.0	45.5	21.5	80.7
Wisconsin . . . . .	68,560	12.6	59.0	1,893.5	32.3	15.9	57.1
Wyoming . . . . .	6,550	13.1	63.6	2,030.5	39.9	17.7	72.1
Puerto Rico . . . . .	52,747	13.7	61.6	1,822.5	62.2	42.8	91.1
Virgin Islands . . . . .	1,634	15.0	71.1	2,286.5	56.8	26.1	121.5
Guam . . . . .	3,212	19.9	88.3	2,634.5	64.7	41.7	102.1
American Samoa . . . . .	1,627	28.2	126.7	3,858.0	46.2	20.5	93.6
Northern Marianas . . . . .	1,290	17.4	45.1	1,266.5	42.3	27.7	60.1

<sup>1</sup>Excludes data for the territories.

**Table 11. Live births by race of mother: United States, each State and territory, 2002**

[By place of residence]

State	Number				
	All races	White	Black	American Indian <sup>1</sup>	Asian or Pacific Islander
United States <sup>2</sup>	4,021,726	3,174,760	593,691	42,368	210,907
Alabama	58,967	39,978	18,292	164	533
Alaska	9,938	6,377	432	2,438	691
Arizona	87,837	77,043	2,779	5,701	2,314
Arkansas	37,437	29,209	7,427	257	544
California	529,357	428,549	32,653	3,033	65,122
Colorado	68,418	62,425	2,934	662	2,397
Connecticut	42,001	34,654	5,195	224	1,928
Delaware	11,090	7,925	2,708	29	428
District of Columbia	7,498	2,677	4,620	7	194
Florida	205,579	152,855	46,238	1,075	5,411
Georgia	133,300	85,809	42,777	326	4,388
Hawaii	17,477	3,953	475	171	12,878
Idaho	20,970	20,151	103	377	339
Illinois	180,622	140,163	31,833	264	8,362
Indiana	85,081	74,309	9,332	157	1,283
Iowa	37,559	35,112	1,263	234	950
Kansas	39,412	34,904	2,890	448	1,170
Kentucky	54,233	48,399	4,943	103	788
Louisiana	64,872	36,757	26,659	412	1,044
Maine	13,559	13,049	174	116	220
Maryland	73,323	45,198	24,214	239	3,672
Massachusetts	80,645	66,689	8,344	191	5,421
Michigan	129,967	102,590	22,440	683	4,254
Minnesota	68,025	58,023	4,862	1,358	3,782
Mississippi	41,518	22,618	18,202	268	430
Missouri	75,251	62,374	11,028	353	1,496
Montana	11,049	9,512	37	1,395	105
Nebraska	25,383	22,980	1,442	403	558
Nevada	32,571	26,979	2,611	540	2,441
New Hampshire	14,442	13,691	225	48	478
New Jersey	114,751	84,493	19,952	172	10,134
New Mexico	27,753	23,281	511	3,548	413
New York	251,415	181,212	49,590	693	19,920
North Carolina	117,335	85,210	27,571	1,657	2,897
North Dakota	7,757	6,762	90	815	90
Ohio	148,720	122,887	22,547	288	2,998
Oklahoma	50,387	39,508	4,704	5,160	1,015
Oregon	45,192	41,047	941	804	2,400
Pennsylvania	142,850	117,817	20,265	353	4,415
Rhode Island	12,894	11,036	1,145	157	556
South Carolina	54,570	35,373	18,183	168	846
South Dakota	10,698	8,657	103	1,805	133
Tennessee	77,482	59,627	16,304	157	1,394
Texas	372,450	317,150	41,642	834	12,824
Utah	49,182	46,572	339	685	1,586
Vermont	6,387	6,239	44	10	94
Virginia	99,672	71,415	22,084	125	6,048
Washington	79,028	66,519	3,393	1,920	7,196
West Virginia	20,712	19,877	679	11	145
Wisconsin	68,560	58,979	6,418	1,051	2,112
Wyoming	6,550	6,147	54	279	70
Puerto Rico	52,747	47,811	4,925	---	---
Virgin Islands	1,634	326	1,222	86	—
Guam	3,212	260	41	2	2,909
American Samoa	1,627	8	—	—	1,619
Northern Marianas	1,290	17	1	—	1,272

--- Data not available.

— Quantity zero.

<sup>1</sup>Includes births to Aleuts and Eskimos.<sup>2</sup>Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each State and territory, 2002**

[By place of residence]

State	All origins	Origin of mother									
		Hispanic						Non-Hispanic			
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>1</sup>	White	Black	Not stated
United States <sup>2</sup>	4,021,726	876,642	627,505	57,465	14,232	125,981	51,459	3,119,944	2,298,156	578,335	25,140
Alabama	58,967	2,569	1,919	91	18	237	304	56,344	37,402	18,276	54
Alaska	9,938	799	276	61	6	72	384	6,902	4,427	267	2,237
Arizona	87,837	37,938	36,029	252	68	729	860	48,950	39,033	2,545	949
Arkansas	37,437	3,050	2,581	31	8	403	27	34,190	26,001	7,415	197
California	529,357	263,061	230,386	2,030	699	24,842	5,104	262,036	164,649	31,450	4,260
Colorado	68,418	21,029	16,581	283	63	767	3,335	47,382	41,858	2,761	7
Connecticut	42,001	6,982	803	4,054	74	1,723	328	34,680	27,685	4,932	339
Delaware	11,090	1,316	735	308	10	256	7	9,760	6,629	2,684	14
District of Columbia	7,498	954	94	9	3	782	66	6,494	1,733	4,563	50
Florida	205,579	51,619	12,689	8,866	10,093	18,677	1,294	153,581	102,294	45,257	379
Georgia	133,300	16,819	13,220	568	168	2,716	147	114,706	68,269	42,001	1,775
Hawaii	17,477	2,422	499	720	16	68	1,119	15,021	3,200	442	34
Idaho	20,970	2,788	2,219	15	5	76	473	17,849	17,074	100	333
Illinois	180,622	41,022	34,793	2,633	182	1,765	1,649	139,537	99,346	31,604	63
Indiana	85,081	6,169	5,347	296	13	413	100	78,545	67,894	9,271	367
Iowa	37,559	2,390	1,907	44	6	335	98	35,093	32,709	1,243	76
Kansas	39,412	5,023	4,192	92	21	305	413	33,994	29,563	2,846	395
Kentucky	54,233	1,630	1,187	107	75	218	43	52,573	46,811	4,923	30
Louisiana	64,872	1,383	528	70	62	139	584	63,452	35,428	26,611	37
Maine	13,559	167	37	27	2	36	65	13,347	12,852	167	45
Maryland	73,323	6,062	1,361	369	60	3,142	1,130	66,964	39,093	24,007	297
Massachusetts	80,645	9,592	430	4,505	66	4,395	196	70,530	58,313	6,635	523
Michigan	129,967	7,265	5,961	411	72	422	399	120,687	93,831	22,217	2,015
Minnesota	68,025	4,646	3,601	99	30	588	328	62,499	52,744	4,750	880
Mississippi	41,518	823	538	25	8	46	206	40,633	21,749	18,191	62
Missouri	75,251	3,267	2,462	123	44	415	223	71,879	59,079	10,983	105
Montana	11,049	382	160	8	1	23	190	10,471	8,967	32	196
Nebraska	25,383	3,313	2,630	33	13	467	170	21,487	19,121	1,416	583
Nevada	32,571	11,386	9,403	212	178	1,089	504	20,959	15,638	2,534	226
New Hampshire	14,442	503	113	96	9	203	82	13,383	12,690	182	556
New Jersey	114,751	24,664	4,695	6,659	810	12,304	196	89,944	61,741	18,010	143
New Mexico	27,753	14,623	7,556	61	44	173	6,789	13,125	8,759	475	5
New York	251,415	54,700	8,838	12,960	401	24,207	8,294	195,819	130,189	45,206	896
North Carolina	117,335	15,064	11,490	702	133	2,622	117	102,170	70,234	27,434	101
North Dakota	7,757	149	89	8	7	10	35	7,483	6,499	87	125
Ohio	148,720	4,817	2,706	1,255	49	522	285	143,560	117,990	22,354	343
Oklahoma	50,387	5,259	4,774	114	13	250	108	45,110	34,370	4,676	18
Oregon	45,192	8,040	7,417	81	45	326	171	36,870	32,949	897	282
Pennsylvania	142,850	8,696	1,771	5,255	101	527	1,042	133,040	108,620	19,727	1,114
Rhode Island	12,894	2,328	184	655	14	1,369	106	9,051	7,356	1,027	1,515
South Carolina	54,570	3,175	2,274	170	27	506	198	51,311	32,203	18,143	84
South Dakota	10,698	318	198	14	4	77	25	10,368	8,376	103	12
Tennessee	77,482	4,348	3,244	213	39	669	183	73,109	55,316	16,267	25
Texas	372,450	178,968	156,592	1,144	305	9,641	11,286	192,038	137,618	41,007	1,444
Utah	49,182	6,952	5,287	91	10	617	947	42,051	39,533	312	179
Vermont	6,387	32	7	8	3	8	6	6,276	6,131	43	79
Virginia	99,672	9,790	2,509	676	69	5,861	675	89,641	61,694	21,920	241
Washington	79,028	12,349	10,381	296	54	681	937	65,293	53,387	3,263	1,386
West Virginia	20,712	84	51	7	1	6	19	20,578	19,749	677	50
Wisconsin	68,560	5,295	4,204	653	28	249	161	63,252	53,820	6,349	13
Wyoming	6,550	622	557	5	2	7	51	5,927	5,540	53	1
Puerto Rico	52,747	---	---	---	---	---	---	---	---	---	52,747
Virgin Islands	1,634	323	11	262	2	---	48	1,240	83	1,086	71
Guam	3,212	54	22	16	1	7	8	3,069	220	39	89
American Samoa	1,627	---	---	---	---	---	---	---	---	---	1,627
Northern Marianas	1,290	---	---	---	---	---	---	---	---	---	1,289

--- Data not available.

-- Quantity zero.

<sup>1</sup>Includes races other than white and black.<sup>2</sup>Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See "Technical Notes."

**Table 13. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by detailed race of mother and place of birth of mother: United States, 2002**

[Birth rates are live births per 1,000 population. Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Populations estimated as of July 1]

Characteristic	All races	White	Black	American Indian <sup>1</sup>	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
Number										
Births . . . . .	4,021,726	3,174,760	593,691	42,368	210,907	33,673	9,264	6,772	33,016	128,182
Rate										
Birth rate . . . . .	13.9	13.5	15.7	13.8	16.5	---	---	---	---	---
Fertility rate . . . . .	64.8	64.8	65.8	58.0	64.1	---	---	---	---	---
Total fertility rate . . . . .	2013.0	2027.5	1991.0	1735.0	1819.5	---	---	---	---	---
Sex ratio <sup>2</sup> . . . . .	1,048	1,050	1,032	1,023	1,065	1,070	1,089	1,075	1,070	1,059
All births					Percent					
Births to mothers under 20 years . . . . .	10.8	9.8	18.0	18.5	3.8	0.9	1.7	14.6	4.5	4.0
4th- and higher-order births . . . . .	10.8	10.2	15.3	19.1	6.5	2.1	3.9	16.3	7.3	7.1
Births to unmarried mothers . . . . .	34.0	28.5	68.2	59.7	14.9	9.0	10.3	50.4	20.0	13.5
Mothers completing 12 years or more of school . . .	78.5	78.4	75.6	69.2	89.7	88.7	97.8	85.7	94.7	88.4
Mothers born in the 50 States and DC . . . . .	76.7	78.5	87.0	94.4	16.9	10.0	40.4	97.4	21.5	11.6
Mothers born in the 50 States and DC										
Births to mothers under 20 years . . . . .	11.7	9.8	19.9	19.1	12.8	3.7	3.6	14.8	11.0	17.2
4th- and higher-order births . . . . .	10.4	9.2	15.5	19.6	7.9	4.0	4.6	16.2	7.1	6.2
Births to unmarried mothers . . . . .	34.9	26.8	72.1	61.4	33.0	12.2	17.8	50.7	34.5	33.0
Mothers completing 12 years or more of school . . .	83.6	85.6	74.5	69.4	89.1	96.6	96.8	85.7	91.5	85.7
Mothers born outside the 50 States and DC										
Births to mothers under 20 years . . . . .	7.8	9.5	5.3	8.3	2.0	0.6	0.4	*	2.7	2.3
4th- and higher-order births . . . . .	12.3	13.7	13.5	10.4	6.2	1.9	3.3	19.0	7.3	7.2
Births to unmarried mothers . . . . .	30.7	34.5	41.4	30.3	11.1	8.5	5.2	40.2	16.0	10.9
Mothers completing 12 years or more of school . . .	61.3	51.4	83.1	67.0	89.9	87.9	98.6	83.6	95.6	88.7

--- Data not available.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes births to Aleuts and Eskimos.

<sup>2</sup>Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race.

**Table 14. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 2002**

[Birth rates are live births per 1,000 population. Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Populations estimated as of July 1]

Characteristic	All origins <sup>1</sup>	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
Number										
Births . . . . .	4,021,726	876,642	627,505	57,465	14,232	125,981	51,459	3,119,944	2,298,156	578,335
Rate										
Birth rate <sup>3</sup> . . . . .	13.9	22.6	24.2	16.5	10.0	22.4	( <sup>3</sup> )	12.6	11.7	16.1
Fertility rate <sup>3</sup> . . . . .	64.8	94.4	102.8	65.4	59.0	86.1	( <sup>3</sup> )	59.6	57.4	67.4
Total fertility rate <sup>3</sup> . . . . .	2,013.0	2,718.0	2,879.5	1,947.5	1,940.5	2,610.5	( <sup>3</sup> )	1,877.0	1,828.5	2,047.0
Sex ratio <sup>4</sup> . . . . .	1,048	1,041	1,038	1,061	1,056	1,046	1,031	1,050	1,054	1,032
Percent										
All births										
Births to mothers under 20 years . . . . .	10.8	14.9	15.9	17.8	8.1	8.5	16.7	9.6	7.9	18.1
4th- and higher-order births . . . . .	10.8	13.6	14.7	12.2	4.9	10.8	11.8	10.0	8.9	15.4
Births to unmarried mothers . . . . .	34.0	43.5	42.1	59.1	29.8	44.8	44.4	31.3	23.0	68.4
Mothers completing 12 years or more of school . .	78.5	51.9	45.8	68.5	88.2	64.2	68.3	85.8	88.3	75.7
Mothers born in the 50 States and DC . . . . .	76.7	36.7	36.1	65.8	45.0	11.5	71.7	87.9	94.2	88.0
Mothers born in the 50 States and DC										
Births to mothers under 20 years . . . . .	11.7	21.4	22.3	19.6	13.1	19.6	19.6	10.5	8.2	19.9
4th- and higher-order births . . . . .	10.4	11.8	12.5	11.2	5.3	5.7	11.5	10.2	8.8	15.6
Births to unmarried mothers . . . . .	34.9	48.6	47.5	61.5	30.1	46.2	46.9	33.3	23.7	72.2
Mothers completing 12 years or more of school . .	83.6	68.5	66.6	68.6	86.3	80.7	72.1	85.4	88.1	74.5
Mothers born outside the 50 States and DC										
Births to mothers under 20 years . . . . .	7.8	11.1	12.2	14.1	4.0	7.1	9.3	2.9	3.0	5.0
4th- and higher-order births . . . . .	12.3	14.7	15.9	14.0	4.6	11.5	12.5	8.7	9.4	13.8
Births to unmarried mothers . . . . .	30.7	40.5	39.0	54.3	29.6	44.6	37.2	16.3	10.9	39.8
Mothers completing 12 years or more of school . .	61.3	42.2	33.8	68.2	89.8	62.0	58.7	89.3	90.9	84.5

<sup>1</sup>Includes origin not stated.

<sup>2</sup>Includes races other than white and black.

<sup>3</sup>Rates for Central and South American include other and unknown Hispanic.

<sup>4</sup>Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes."

**Table 15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 2002**

[Rates on an annual basis per 1,000 population for specified month. Birth rates are live births per 1,000 total population. Fertility rates are live births per 1,000 women aged 15–44 years. Monthly populations estimated as of the first of each month]

Month	Number			Observed		Seasonally adjusted <sup>1</sup>	
	All races <sup>2</sup>	White	Black	Birth rate	Fertility rate	Birth rate	Fertility rate
Total . . . . .	4,021,726	3,174,760	593,691	13.9	64.8	...	...
January . . . . .	330,674	258,390	51,703	13.6	62.8	14.0	65.1
February . . . . .	303,977	238,937	46,328	13.8	63.9	14.0	65.0
March . . . . .	331,505	262,328	48,469	13.6	63.0	13.8	63.9
April . . . . .	324,432	257,867	46,088	13.7	63.7	14.0	65.1
May . . . . .	339,007	270,311	47,702	13.9	64.4	13.9	64.8
June . . . . .	327,588	259,483	47,598	13.8	64.3	13.7	63.8
July . . . . .	357,669	283,120	52,831	14.6	67.9	14.1	65.6
August . . . . .	359,417	284,227	52,733	14.7	68.2	14.0	64.9
September . . . . .	348,814	276,618	50,361	14.7	68.4	14.0	65.2
October . . . . .	345,814	273,288	50,396	14.1	65.6	14.0	65.2
November . . . . .	318,573	249,042	48,284	13.4	62.4	13.8	64.4
December . . . . .	334,256	261,149	51,198	13.6	63.4	13.9	64.8

... Category not applicable.

<sup>1</sup>The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

<sup>2</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 16. Live births by day of week and index of occurrence by method of delivery, day of week, and race of mother: United States, 2002**

Day of week and race of mother	Average number of births	Index of occurrence <sup>1</sup>				
		Total <sup>2</sup>	Vaginal	Method of delivery		
				Cesarean		
				Total	Primary	Repeat
All races <sup>3</sup> . . . . .	11,018	100.0	100.0	100.0	100.0	100.0
Sunday . . . . .	7,526	68.3	75.0	49.9	60.5	33.5
Monday . . . . .	11,453	103.9	101.6	110.3	100.1	126.0
Tuesday . . . . .	12,823	116.4	113.7	123.8	121.0	128.3
Wednesday . . . . .	12,083	109.7	107.8	114.9	113.1	117.5
Thursday . . . . .	12,365	112.2	110.3	117.6	115.2	121.3
Friday . . . . .	12,285	111.5	107.3	123.2	116.1	134.1
Saturday . . . . .	8,573	77.8	84.2	60.1	73.7	39.0
White . . . . .	8,698	100.0	100.0	100.0	100.0	100.0
Sunday . . . . .	5,797	66.7	73.3	48.0	58.8	31.7
Monday . . . . .	9,107	104.7	102.4	111.1	100.7	126.9
Tuesday . . . . .	10,172	116.9	114.3	124.4	121.8	128.2
Wednesday . . . . .	9,587	110.2	108.3	115.4	113.6	118.2
Thursday . . . . .	9,826	113.0	111.1	118.3	116.0	121.8
Friday . . . . .	9,751	112.1	107.7	124.4	116.8	135.8
Saturday . . . . .	6,629	76.2	82.7	58.1	72.1	36.9
Black . . . . .	1,627	100.0	100.0	100.0	100.0	100.0
Sunday . . . . .	1,195	73.4	80.2	56.2	66.3	40.1
Monday . . . . .	1,646	101.2	98.8	107.0	97.2	122.9
Tuesday . . . . .	1,877	115.4	112.2	123.4	119.4	129.8
Wednesday . . . . .	1,764	108.5	106.4	113.6	112.5	115.5
Thursday . . . . .	1,784	109.7	107.6	115.1	112.4	119.4
Friday . . . . .	1,771	108.9	105.5	117.9	113.1	125.7
Saturday . . . . .	1,346	82.8	89.2	66.5	79.0	46.4

<sup>1</sup>Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

<sup>2</sup>Includes method of delivery not stated.

<sup>3</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 17. Number, birth rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2002**

Measure and age of mother	All races <sup>1</sup>	White		Black		American Indian <sup>2,3</sup>	Asian or Pacific Islander <sup>2</sup>	Hispanic <sup>4</sup>
		Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic			
Number								
All ages . . . . .	1,365,966	904,461	528,535	404,864	395,538	25,297	31,344	381,466
Under 15 years . . . . .	7,093	3,683	1,446	3,174	3,119	129	107	2,266
15–19 years . . . . .	340,186	228,407	135,313	99,375	97,282	6,678	5,726	94,483
15 years . . . . .	17,629	10,672	4,811	6,293	6,150	399	265	5,970
16 years . . . . .	38,888	25,531	12,816	12,015	11,728	774	568	12,954
17 years . . . . .	66,274	44,829	25,344	19,053	18,637	1,329	1,063	19,774
18 years . . . . .	95,259	64,580	39,359	27,131	26,589	1,880	1,668	25,547
19 years . . . . .	122,136	82,795	52,983	34,883	34,178	2,296	2,162	30,238
20–24 years . . . . .	527,657	349,161	214,529	158,276	155,080	9,548	10,672	136,369
25–29 years . . . . .	268,312	176,055	94,304	79,946	77,952	4,993	7,318	83,035
30–34 years . . . . .	139,208	91,688	50,150	40,375	39,193	2,475	4,670	42,254
35–39 years . . . . .	66,036	43,684	25,472	18,958	18,299	1,176	2,218	18,566
40 years and over . . . . .	17,474	11,783	7,321	4,760	4,613	298	633	4,493
Rate per 1,000 unmarried women in specified group								
15–44 years <sup>5</sup> . . . . .	43.7	38.9	27.8	66.2	---	---	21.3	87.9
15–19 years . . . . .	35.4	30.4	22.1	64.8	---	---	13.4	66.1
15–17 years . . . . .	20.8	17.5	11.5	39.9	---	---	7.5	43.0
18–19 years . . . . .	58.6	51.0	38.8	104.1	---	---	22.2	105.3
20–24 years . . . . .	70.5	61.6	46.1	119.2	---	---	26.5	131.4
25–29 years . . . . .	61.5	56.8	38.5	85.9	---	---	27.5	123.1
30–34 years . . . . .	40.8	38.3	26.0	49.9	---	---	28.6	88.1
35–39 years . . . . .	20.8	19.4	13.5	24.9	---	---	18.7	51.3
40–44 years <sup>6</sup> . . . . .	5.4	5.0	3.7	6.3	---	---	6.8	12.7
Percent of births to unmarried women								
All ages . . . . .	34.0	28.5	23.0	68.2	68.4	59.7	14.9	43.5
Under 15 years . . . . .	97.0	94.8	96.9	99.6	99.6	97.0	97.3	93.6
15–19 years . . . . .	80.0	74.6	75.4	95.7	95.9	86.6	71.5	73.9
15 years . . . . .	94.3	91.5	93.8	99.3	99.3	98.3	89.5	89.8
16 years . . . . .	90.1	86.5	88.9	99.0	99.0	96.1	81.3	84.6
17 years . . . . .	86.2	82.0	83.9	98.2	98.2	91.5	80.5	79.8
18 years . . . . .	80.3	75.1	76.9	96.0	96.1	86.9	73.6	72.7
19 years . . . . .	72.7	66.7	67.4	92.7	92.8	79.7	63.2	65.7
20–24 years . . . . .	51.6	44.6	41.3	81.3	81.5	66.6	35.5	51.4
25–29 years . . . . .	25.3	20.7	15.3	58.5	58.7	49.2	11.7	35.2
30–34 years . . . . .	14.6	11.8	8.1	42.5	42.5	39.1	6.6	26.8
35–39 years . . . . .	14.5	11.8	8.6	39.2	39.1	39.5	6.8	26.0
40 years and over . . . . .	17.3	14.5	11.2	39.6	39.6	40.7	8.9	28.8

--- Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes births to Aleuts and Eskimos.<sup>4</sup>Includes all persons of Hispanic origin of any race.<sup>5</sup>Birth rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.<sup>6</sup>Birth rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.

NOTES: For 48 States and the District of Columbia, marital status is reported on the birth certificate; for Michigan and New York, mother's marital status is inferred; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary populations are not available.



**Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2001, and by age, race, and Hispanic origin of mother: United States, 1980–2002**

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1 for all years]

Year and race and Hispanic origin	Age of mother								
	15–44 years <sup>1</sup>	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
		Total	15–17 years	18–19 years					
All races <sup>3</sup>									
2002 <sup>4</sup>	43.7	35.4	20.8	58.6	70.5	61.5	40.8	20.8	5.4
2001 <sup>4</sup>	43.8	37.0	22.0	60.6	71.2	59.5	40.4	20.4	5.3
2000 <sup>4</sup>	44.0	39.0	23.9	62.2	72.1	58.5	39.3	19.7	5.0
1999 <sup>4</sup>	43.3	39.7	25.0	62.4	70.7	56.8	38.1	19.0	4.6
1998 <sup>4</sup>	43.3	40.9	26.5	63.7	70.4	55.4	38.1	18.7	4.6
1997 <sup>4</sup>	42.9	41.4	27.7	63.9	68.9	53.4	37.9	18.7	4.6
1996 <sup>4</sup>	43.8	42.2	28.5	64.9	68.9	54.5	40.1	19.9	4.8
1995 <sup>4</sup>	44.3	43.8	30.1	66.5	68.7	54.3	38.9	19.3	4.7
1994 <sup>4</sup>	46.2	45.8	31.7	69.1	70.9	57.4	39.6	19.7	4.7
1993 <sup>4</sup>	44.8	44.0	30.3	66.1	68.3	55.9	38.0	18.9	4.4
1992 <sup>4</sup>	44.9	44.2	30.2	66.7	67.9	55.6	37.6	18.8	4.1
1991 <sup>4</sup>	45.0	44.6	30.8	65.4	67.8	56.0	37.9	17.9	3.8
1990 <sup>4</sup>	43.8	42.5	29.6	60.7	65.1	56.0	37.6	17.3	3.6
1989 <sup>4</sup>	41.6	40.1	28.7	56.0	61.2	52.8	34.9	16.0	3.4
1988 <sup>4</sup>	38.5	36.4	26.4	51.5	56.0	48.5	32.0	15.0	3.2
1987 <sup>4</sup>	36.0	33.8	24.5	48.9	52.6	44.5	29.6	13.5	2.9
1986 <sup>4</sup>	34.2	32.3	22.8	48.0	49.3	42.2	27.2	12.2	2.7
1985 <sup>4</sup>	32.8	31.4	22.4	45.9	46.5	39.9	25.2	11.6	2.5
1984 <sup>4,5</sup>	31.0	30.0	21.9	42.5	43.0	37.1	23.3	10.9	2.5
1983 <sup>4,5</sup>	30.3	29.5	22.0	40.7	41.8	35.5	22.4	10.2	2.6
1982 <sup>4,5</sup>	30.0	28.7	21.5	39.6	41.5	35.1	21.9	10.0	2.7
1981 <sup>4,5</sup>	29.5	27.9	20.9	39.0	41.1	34.5	20.8	9.8	2.6
1980 <sup>4,5</sup>	29.4	27.6	20.6	39.0	40.9	34.0	21.1	9.7	2.6
1980 <sup>5,6</sup>	28.4	27.5	20.7	38.7	39.7	31.4	18.5	8.4	2.3
1975 <sup>5,6</sup>	24.5	23.9	19.3	32.5	31.2	27.5	17.9	9.1	2.6
1970 <sup>6,7</sup>	26.4	22.4	17.1	32.9	38.4	37.0	27.1	13.6	3.5
White total									
2002 <sup>4</sup>	38.9	30.4	17.5	51.0	61.6	56.8	38.3	19.4	5.0
2001 <sup>4</sup>	38.5	31.3	18.1	52.1	61.7	54.6	37.2	18.6	4.9
2000 <sup>4</sup>	38.2	32.7	19.7	53.1	61.6	52.9	35.9	17.9	4.5
1999 <sup>4</sup>	37.4	33.2	20.7	52.8	60.2	50.8	34.9	17.3	4.1
1998 <sup>4</sup>	36.9	33.6	21.5	53.0	59.5	48.6	34.1	16.9	4.1
1997 <sup>4</sup>	36.3	33.6	22.0	52.8	57.9	47.0	33.6	16.6	3.9
1996 <sup>4</sup>	37.0	34.0	22.3	53.4	57.9	48.1	35.3	17.7	4.3
1995 <sup>4</sup>	37.0	35.0	23.3	54.6	57.2	47.4	33.7	16.8	4.2
1994 <sup>4</sup>	37.8	35.8	23.9	55.7	57.5	48.6	33.8	17.2	4.3
1993 <sup>4</sup>	35.6	33.3	21.9	51.9	53.8	46.0	31.9	16.3	3.9
1992 <sup>4</sup>	35.0	32.7	21.5	51.1	52.4	44.8	31.3	16.1	3.6
1991 <sup>4</sup>	34.5	32.7	21.7	49.4	51.4	44.3	30.9	15.2	3.2
1990 <sup>4</sup>	32.9	30.6	20.4	44.9	48.2	43.0	29.9	14.5	3.2
1989 <sup>4</sup>	30.2	28.0	19.3	40.2	43.8	39.1	26.8	13.1	2.9
1988 <sup>4</sup>	27.4	25.3	17.6	36.8	39.2	35.4	24.2	12.1	2.7
1987 <sup>4</sup>	25.3	23.2	16.2	34.5	36.6	32.0	22.3	10.7	2.4
1986 <sup>4</sup>	23.9	21.8	14.9	33.5	34.2	30.5	20.1	9.7	2.2
1985 <sup>4</sup>	22.5	20.8	14.5	31.2	31.7	28.5	18.4	9.0	2.0
1984 <sup>4,5</sup>	20.6	19.3	13.7	27.9	28.5	25.5	16.8	8.4	2.0
1983 <sup>4,5</sup>	19.8	18.7	13.6	26.4	27.1	23.8	15.9	7.8	2.0
1982 <sup>4,5</sup>	19.3	18.0	13.1	25.3	26.5	23.1	15.3	7.4	2.1
1981 <sup>4,5</sup>	18.6	17.2	12.6	24.6	25.8	22.3	14.2	7.2	1.9
1980 <sup>4,5</sup>	18.1	16.5	12.0	24.1	25.1	21.5	14.1	7.1	1.8

See footnotes at end of table.

**Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2001, and by age, race, and Hispanic origin of mother: United States, 1980–2002—Con.**

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1 for all years]

		Age of mother							
Year and race and Hispanic origin	15–44 years <sup>1</sup>	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
		Total	15–17 years	18–19 years					
Non-Hispanic white									
2002 <sup>4</sup>	27.8	22.1	11.5	38.8	46.1	38.5	26.0	13.5	3.7
2001 <sup>4</sup>	27.8	23.1	12.1	40.3	46.4	37.5	25.4	13.2	3.6
2000 <sup>4</sup>	28.0	24.7	13.6	42.1	47.0	36.9	24.8	12.9	3.3
1999 <sup>4</sup>	27.9	25.6	14.6	42.5	46.3	36.2	24.8	13.0	3.1
1998 <sup>4</sup>	27.9	26.2	15.6	42.9	46.3	35.3	25.0	13.1	3.1
1997 <sup>4</sup>	27.5	26.4	16.2	43.1	44.8	34.5	24.9	12.7	2.9
1996 <sup>4</sup>	28.2	27.0	16.9	43.8	44.5	35.0	26.3	13.8	3.3
1995 <sup>4</sup>	28.1	27.7	17.6	44.4	43.9	34.4	25.1	12.9	3.2
1994 <sup>4</sup>	28.4	28.1	18.0	44.9	43.8	34.7	24.6	12.8	3.1
1993 <sup>4</sup>	---	---	---	---	---	---	---	---	---
1992 <sup>4</sup>	---	---	---	---	---	---	---	---	---
1991 <sup>4</sup>	---	---	---	---	---	---	---	---	---
1990 <sup>4,8</sup>	24.4	25.0	16.2	37.0	36.4	30.3	20.5	6.1	---
Black total									
2002 <sup>4</sup>	66.2	64.8	39.9	104.1	119.2	85.9	49.9	24.9	6.3
2001 <sup>4</sup>	68.2	69.9	43.8	110.2	122.8	84.1	51.2	25.4	6.3
2000 <sup>4</sup>	70.5	75.0	48.3	115.0	129.0	85.9	50.2	25.4	6.3
1999 <sup>4</sup>	69.7	76.5	50.1	115.3	126.8	85.6	49.0	24.2	5.8
1998 <sup>4</sup>	71.6	81.5	55.2	121.0	127.8	86.5	50.5	24.3	6.0
1997 <sup>4</sup>	71.6	84.5	59.2	124.5	124.2	81.4	51.0	24.3	6.5
1996 <sup>4</sup>	72.8	87.5	62.8	126.8	122.5	81.2	53.4	25.2	6.1
1995 <sup>4</sup>	74.5	91.2	67.5	128.7	124.6	82.3	53.3	25.3	6.0
1994 <sup>4</sup>	80.8	99.3	74.0	139.2	135.2	91.3	56.5	26.0	5.9
1993 <sup>4</sup>	83.0	101.2	76.0	139.7	139.9	92.8	56.7	25.7	5.8
1992 <sup>4</sup>	85.7	104.8	77.3	146.2	142.6	96.8	57.3	25.6	5.4
1991 <sup>4</sup>	89.0	107.8	79.9	147.6	146.4	100.0	59.8	25.5	5.4
1990 <sup>4</sup>	90.5	106.0	78.8	143.7	144.8	105.3	61.5	25.5	5.1
1989 <sup>4</sup>	90.7	104.5	78.9	140.9	142.4	102.9	60.5	24.9	5.0
1988 <sup>4</sup>	86.5	96.1	73.5	130.5	133.6	97.2	57.4	24.1	5.0
1987 <sup>4</sup>	82.6	90.9	69.9	123.0	126.1	91.6	53.1	22.4	4.7
1986 <sup>4</sup>	79.0	88.5	67.0	121.1	118.0	84.6	50.0	20.6	4.4
1985 <sup>4</sup>	77.0	87.6	66.8	117.9	113.1	79.3	47.5	20.4	4.3
1984 <sup>4,5</sup>	75.2	86.1	66.5	113.6	107.9	77.8	43.8	19.4	4.3
1983 <sup>4,5</sup>	76.2	85.5	66.8	111.9	107.2	79.7	43.8	19.4	4.8
1982 <sup>4,5</sup>	77.9	85.1	66.3	112.7	109.3	82.7	44.1	19.5	5.2
1981 <sup>4,5</sup>	79.4	85.0	65.9	114.2	110.7	83.1	45.5	19.6	5.6
1980 <sup>4,5</sup>	81.1	87.9	68.8	118.2	112.3	81.4	46.7	19.0	5.5
Asian or Pacific Islander total									
2002 <sup>4</sup>	21.3	13.4	7.5	22.2	26.5	27.5	28.6	18.7	6.8
2001 <sup>4</sup>	21.2	14.6	8.7	23.0	25.2	26.7	29.4	19.7	6.3
2000 <sup>4</sup>	20.9	15.2	9.6	23.2	24.2	25.4	29.7	18.4	6.9

See footnotes at end of table.

**Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2001, and by age, race, and Hispanic origin of mother: United States, 1980–2002—Con.**

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1 for all years]

Year and race and Hispanic origin	Age of mother								
	15–44 years <sup>1</sup>	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
		Total	15–17 years	18–19 years					
Hispanic <sup>9</sup>									
2002 <sup>4</sup>	87.9	66.1	43.0	105.3	131.4	123.1	88.1	51.3	12.7
2001 <sup>4</sup>	87.8	67.1	44.2	104.3	132.3	120.7	91.4	49.5	12.2
2000 <sup>4</sup>	87.2	68.5	47.0	102.2	130.3	121.6	89.4	45.9	12.2
1999 <sup>4</sup>	84.9	68.6	48.6	100.1	126.1	119.6	84.4	42.3	11.2
1998 <sup>4</sup>	82.8	69.3	49.7	101.4	120.5	115.7	78.1	38.8	12.0
1997 <sup>4</sup>	83.2	69.2	50.5	100.9	122.7	114.8	78.8	40.6	12.1
1996 <sup>4</sup>	86.1	69.3	49.6	102.7	131.6	121.7	84.6	41.1	12.3
1995 <sup>4</sup>	88.7	73.2	52.5	109.6	135.7	122.2	84.2	42.2	12.1
1994 <sup>4</sup>	95.8	77.6	55.5	116.0	144.5	131.7	91.2	47.4	13.9
1993 <sup>4</sup>	91.4	71.1	49.5	109.1	134.3	130.4	87.8	47.1	14.1
1992 <sup>4</sup>	92.8	70.3	49.2	106.6	138.2	133.4	89.9	47.8	14.6
1991 <sup>4</sup>	92.5	71.0	49.5	107.4	134.2	135.1	88.2	47.5	14.1
1990 <sup>4,8</sup>	89.6	65.9	45.9	98.9	129.8	131.7	88.1	50.8	13.7

--- Data not available.

<sup>1</sup>Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.<sup>2</sup>Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.<sup>3</sup>Includes races other than white, black, and Asian or Pacific Islander.<sup>4</sup>Data for States in which marital status was not reported have been inferred and included with data from the remaining States; see "Technical Notes."<sup>5</sup>Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see "Technical Notes."<sup>6</sup>Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see "Technical Notes."<sup>7</sup>Based on a 50-percent sample of births.<sup>8</sup>Rates for 1990 based on data for 48 States and the District of Columbia that reported Hispanic origin on the birth certificate. Rates shown for 1990 for ages 35–39 years are based on births to unmarried women aged 35–44 years.<sup>9</sup>Includes all persons of Hispanic origin of any race.

NOTES: Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary populations are not available. Rates for 1991–2001 may differ from those published in "Births: Final Data for 2001," but are consistent with those published in "Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States."

**Table 19. Number and percent of births to unmarried women by race and Hispanic origin of mother: United States, each State and territory, 2002**

[By place of residence]

State	Births to unmarried women						Percent unmarried					
	All races <sup>1</sup>	White		Black		Hispanic <sup>3</sup>	All races <sup>1</sup>	White		Black		Hispanic <sup>3</sup>
		Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic			Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic	
United States <sup>4</sup>	1,365,966	904,461	528,535	404,864	395,538	381,466	34.0	28.5	23.0	68.2	68.4	43.5
Alabama	20,515	7,879	7,238	12,511	12,506	629	34.8	19.7	19.4	68.4	68.4	24.5
Alaska	3,379	1,530	1,010	187	96	331	34.0	24.0	22.8	43.3	36.0	41.4
Arizona	35,494	29,419	9,752	1,712	1,564	19,705	40.4	38.2	25.0	61.6	61.5	51.9
Arkansas	13,891	8,054	6,880	5,633	5,626	1,138	37.1	27.6	26.5	75.8	75.9	37.3
California	174,681	143,842	33,110	20,394	19,690	111,099	33.0	33.6	20.1	62.5	62.6	42.2
Colorado	18,320	16,092	7,603	1,592	1,477	8,714	26.8	25.8	18.2	54.3	53.5	41.4
Connecticut	12,213	8,532	4,405	3,450	3,283	4,247	29.1	24.6	15.9	66.4	66.6	60.8
Delaware	4,505	2,549	1,823	1,907	1,889	740	40.6	32.2	27.5	70.4	70.4	56.2
District of Columbia	4,236	685	142	3,533	3,488	553	56.5	25.6	8.2	76.5	76.4	58.0
Florida	80,843	48,647	28,890	30,918	30,353	20,446	39.3	31.8	28.2	66.9	67.1	39.6
Georgia	50,401	21,583	14,420	28,149	27,786	7,243	37.8	25.2	21.1	65.8	66.2	43.1
Hawaii	5,870	686	537	88	78	1,061	33.6	17.4	16.8	18.5	17.6	43.8
Idaho	4,595	4,312	3,225	34	33	1,004	21.9	21.4	18.9	33.0	33.0	36.0
Illinois	62,890	37,769	20,367	24,448	24,287	17,550	34.8	26.9	20.5	76.8	76.8	42.8
Indiana	30,929	23,578	20,435	7,127	7,085	3,064	36.4	31.7	30.1	76.4	76.4	49.7
Iowa	11,022	9,758	8,774	935	918	986	29.3	27.8	26.8	74.0	73.9	41.3
Kansas	12,249	9,875	7,694	1,961	1,945	2,133	31.1	28.3	26.0	67.9	68.3	42.5
Kentucky	18,011	14,228	13,524	3,619	3,611	717	33.2	29.4	28.9	73.2	73.3	44.0
Louisiana	30,498	10,041	9,615	20,013	19,990	449	47.0	27.3	27.1	75.1	75.1	32.5
Maine	4,419	4,248	4,181	59	56	60	32.6	32.6	32.5	33.9	33.5	35.9
Maryland	25,530	10,806	8,027	14,359	14,248	2,753	34.8	23.9	20.5	59.3	59.3	45.4
Massachusetts	21,620	15,883	10,947	4,883	3,804	5,903	26.8	23.8	18.8	58.5	57.3	61.5
Michigan	44,366	27,056	23,649	16,546	16,437	3,053	34.1	26.4	25.2	73.7	74.0	42.0
Minnesota	18,668	13,763	11,299	2,840	2,769	2,357	27.4	23.7	21.4	58.4	58.3	50.7
Mississippi	19,553	5,458	5,108	13,841	13,836	345	47.1	24.1	23.5	76.0	76.1	41.9
Missouri	26,511	17,752	16,298	8,346	8,317	1,466	35.2	28.5	27.6	75.7	75.7	44.9
Montana	3,627	2,623	2,417	16	12	158	32.8	27.6	27.0	*	*	41.4
Nebraska	7,259	5,946	4,407	956	938	1,379	28.6	25.9	23.0	66.3	66.2	41.6
Nevada	12,183	9,451	4,438	1,826	1,775	5,054	37.4	35.0	28.4	69.9	70.0	44.4
New Hampshire	3,546	3,388	3,033	96	72	182	24.6	24.7	23.9	42.7	39.6	36.2
New Jersey	33,625	20,170	8,312	12,824	11,719	12,960	29.3	23.9	13.5	64.3	65.1	52.5
New Mexico	13,020	10,129	2,373	289	265	7,821	46.9	43.5	27.1	56.6	55.8	53.5
New York	89,840	53,571	23,558	32,589	29,714	32,571	35.7	29.6	18.1	65.7	65.7	59.5
North Carolina	40,669	21,232	14,102	18,140	18,066	7,189	34.7	24.9	20.1	65.8	65.9	47.7
North Dakota	2,250	1,624	1,518	32	30	59	29.0	24.0	23.4	35.6	34.5	39.6
Ohio	52,677	35,336	32,965	16,879	16,750	2,383	35.4	28.8	27.9	74.9	74.9	49.5
Oklahoma	18,357	12,238	10,085	3,308	3,287	2,229	36.4	31.0	29.3	70.3	70.3	42.4
Oregon	13,976	12,545	9,186	577	553	3,350	30.9	30.6	27.9	61.3	61.6	41.7
Pennsylvania	47,748	31,830	26,310	15,240	14,850	5,294	33.4	27.0	24.2	75.2	75.3	60.9
Rhode Island	4,604	3,576	1,881	721	652	1,379	35.7	32.4	25.6	63.0	63.5	59.2
South Carolina	22,026	8,784	7,425	13,032	13,005	1,374	40.4	24.8	23.1	71.7	71.7	43.3
South Dakota	3,744	2,265	2,143	39	39	155	35.0	26.2	25.6	37.9	37.9	48.7
Tennessee	28,039	15,859	13,880	11,890	11,872	1,999	36.2	26.6	25.1	72.9	73.0	46.0
Texas	120,704	93,441	29,676	25,828	25,483	63,723	32.4	29.5	21.6	62.0	62.1	35.6
Utah	8,465	7,660	4,980	159	151	2,670	17.2	16.4	12.6	46.9	48.4	38.4
Vermont	2,036	1,991	1,958	26	26	11	31.9	31.9	31.9	59.1	60.5	*
Virginia	30,233	15,976	12,079	13,733	13,659	3,928	30.3	22.4	19.6	62.2	62.3	40.1
Washington	22,780	18,428	13,130	1,806	1,731	5,122	28.8	27.7	24.6	53.2	53.0	41.5
West Virginia	6,811	6,299	6,248	489	488	29	32.9	31.7	31.6	72.0	72.1	34.5
Wisconsin	20,551	14,306	11,974	5,256	5,202	2,431	30.0	24.3	22.2	81.9	81.9	45.9
Wyoming	1,987	1,768	1,504	28	27	270	30.3	28.8	27.1	51.9	50.9	43.4
Puerto Rico	27,403	24,175	---	3,222	---	---	52.0	50.6	---	65.4	---	---
Virgin Islands	1,099	184	21	895	803	216	67.3	56.4	25.3	73.2	73.9	66.9
Guam	1,778	51	40	13	13	18	55.4	19.6	18.2	*	*	*
American Samoa	521	---	---	---	---	---	32.0	*	---	*	---	---
Northern Marianas	770	5	---	---	---	---	59.7	*	---	*	---	---

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

- Quantity zero.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 20. Birth rates by age and race of father: United States, 1980–2002**

[Rates are live births per 1,000 men in specified group. Population enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	Age of father									
	15–54 years <sup>1</sup>	15–19 years <sup>2</sup>	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55 years and over
All races <sup>3</sup>										
2002 . . . . .	48.4	17.4	75.6	105.0	99.1	57.7	22.6	7.4	2.4	0.3
2001 . . . . .	49.0	18.5	78.5	105.8	99.6	57.0	22.3	7.3	2.4	0.3
2000 . . . . .	50.0	19.8	82.1	106.5	99.5	56.3	22.2	7.3	2.5	0.3
1999 . . . . .	49.2	20.6	81.1	105.3	95.9	53.9	21.1	7.0	2.4	0.3
1998 . . . . .	49.6	21.3	82.3	104.4	94.4	53.1	21.0	7.1	2.5	0.3
1997 . . . . .	49.4	21.9	82.1	102.6	92.0	51.5	20.7	7.0	2.5	0.3
1996 . . . . .	50.2	22.7	83.4	102.8	91.3	51.1	20.5	6.9	2.5	0.3
1995 . . . . .	51.0	23.9	83.9	103.2	90.7	50.4	20.3	7.0	2.5	0.3
1994 . . . . .	52.4	24.6	85.6	105.3	91.1	50.5	20.3	7.2	2.6	0.3
1993 . . . . .	53.7	24.4	86.0	108.1	91.7	50.7	20.2	7.3	2.7	0.4
1992 . . . . .	55.3	24.4	87.1	111.1	93.0	51.1	20.4	7.3	2.7	0.4
1991 . . . . .	56.8	24.7	87.9	113.5	94.3	51.6	20.2	7.4	2.7	0.4
1990 . . . . .	58.4	23.5	88.0	116.4	97.8	53.0	21.0	7.5	2.8	0.4
1989 . . . . .	57.2	21.9	85.4	114.3	94.8	51.3	20.4	7.4	2.7	0.6
1988 . . . . .	55.8	19.6	82.4	111.6	93.2	49.9	19.9	7.1	2.7	0.4
1987 . . . . .	55.0	18.3	80.5	109.9	91.2	48.6	19.0	6.9	2.6	0.4
1986 . . . . .	54.8	17.9	80.3	109.6	90.3	46.8	18.3	6.7	2.6	0.4
1985 . . . . .	55.6	18.0	81.2	112.3	91.1	47.3	18.1	6.6	2.5	0.4
1984 <sup>4</sup> . . . . .	55.0	17.8	80.7	111.4	89.9	46.0	17.8	6.3	2.4	0.4
1983 <sup>4</sup> . . . . .	55.1	18.2	82.6	113.0	89.1	45.2	17.4	6.4	2.3	0.4
1982 <sup>4</sup> . . . . .	56.4	18.6	86.5	117.3	90.3	44.5	17.5	6.4	2.3	0.4
1981 <sup>4</sup> . . . . .	56.3	18.4	88.4	119.1	88.7	43.3	17.0	6.2	2.3	0.4
1980 <sup>4</sup> . . . . .	57.0	18.8	92.0	123.1	91.0	42.8	17.1	6.1	2.2	0.3
White										
2002 . . . . .	46.4	14.8	70.8	104.8	99.4	56.4	21.0	6.6	2.0	0.3
2001 . . . . .	46.9	15.5	73.1	105.4	99.9	55.7	20.8	6.5	2.0	0.3
2000 . . . . .	47.6	16.6	75.8	105.4	99.5	54.7	20.7	6.5	2.1	0.3
1999 . . . . .	46.9	17.3	74.7	104.1	96.2	52.7	19.8	6.3	2.1	0.3
1998 . . . . .	47.1	17.7	75.6	102.7	94.3	51.9	19.6	6.3	2.1	0.3
1997 . . . . .	46.8	18.0	75.3	100.9	91.7	50.2	19.3	6.2	2.1	0.3
1996 . . . . .	47.7	18.7	76.7	101.4	91.1	49.9	19.2	6.1	2.1	0.2
1995 . . . . .	48.4	19.4	77.0	101.7	90.4	49.1	19.1	6.2	2.1	0.2
1994 . . . . .	49.3	19.5	77.4	103.1	90.4	48.9	18.9	6.3	2.2	0.3
1993 . . . . .	50.3	18.9	77.2	105.5	90.7	48.9	18.7	6.4	2.2	0.2
1992 . . . . .	51.8	18.8	77.8	108.2	91.9	49.1	18.8	6.4	2.2	0.3
1991 . . . . .	53.1	19.0	78.4	110.2	92.8	49.6	18.5	6.5	2.2	0.3
1990 . . . . .	54.6	18.1	78.3	113.2	96.1	50.9	19.2	6.5	2.2	0.3
1989 . . . . .	53.3	16.7	75.9	110.8	93.0	49.1	18.7	6.3	2.1	0.4
1988 . . . . .	52.2	14.8	73.7	108.3	91.2	47.6	18.1	6.1	2.1	0.3
1987 . . . . .	51.6	13.9	72.8	107.0	89.5	46.2	17.3	5.9	2.0	0.3
1986 . . . . .	51.7	13.8	73.3	107.0	88.7	44.4	16.6	5.7	2.0	0.3
1985 . . . . .	52.6	14.0	74.7	109.9	89.5	44.8	16.3	5.6	1.9	0.3
1984 <sup>4</sup> . . . . .	51.8	14.0	74.3	108.8	87.9	43.5	16.0	5.3	1.9	0.3
1983 <sup>4</sup> . . . . .	52.0	14.4	76.3	110.2	86.8	42.6	15.5	5.3	1.8	0.3
1982 <sup>4</sup> . . . . .	53.1	14.9	80.1	114.2	87.5	41.7	15.6	5.3	1.9	0.3
1981 <sup>4</sup> . . . . .	52.9	15.0	81.7	115.8	85.8	40.3	15.0	5.2	1.8	0.3
1980 <sup>4</sup> . . . . .	53.4	15.4	84.9	119.4	87.8	39.7	15.0	5.1	1.8	0.3

See footnotes at end of table.

**Table 20. Birth rates by age and race of father: United States, 1980–2002—Con.**

[Rates are live births per 1,000 men in specified group. Population enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	Age of father									
	15–54 years <sup>1</sup>	15–19 years <sup>2</sup>	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55 years and over
<b>Black</b>										
2002 . . . . .	61.2	33.3	116.2	123.6	94.0	57.8	28.5	12.0	4.7	0.9
2001 . . . . .	63.3	36.5	124.5	125.9	95.6	57.1	28.2	11.8	4.7	1.0
2000 . . . . .	66.2	39.6	135.5	131.0	95.2	56.9	28.4	11.7	5.0	1.0
1999 . . . . .	65.4	41.0	133.8	129.6	91.6	54.3	26.5	11.2	4.9	1.0
1998 . . . . .	66.8	42.8	137.0	130.3	90.9	54.0	26.7	11.6	5.0	1.0
1997 . . . . .	66.7	45.1	136.3	126.3	88.8	52.6	26.1	11.4	5.2	1.0
1996 . . . . .	67.2	46.7	137.6	123.9	87.0	51.8	25.7	11.3	5.3	1.1
1995 . . . . .	69.1	49.9	139.2	123.9	87.7	52.0	25.7	11.9	5.4	1.1
1994 . . . . .	74.0	54.1	149.1	129.6	91.4	53.8	26.4	12.8	5.8	1.1
1993 . . . . .	77.6	56.2	152.7	134.2	94.0	56.3	27.7	13.4	6.3	1.3
1992 . . . . .	80.4	57.0	157.1	138.6	95.8	56.7	28.4	13.7	6.1	1.4
1991 . . . . .	83.0	57.8	158.5	142.0	99.2	58.5	29.4	14.1	6.7	1.4
1990 . . . . .	84.9	55.2	158.2	144.9	103.2	60.4	31.1	15.0	7.1	1.4
1989 . . . . .	84.1	52.9	153.4	143.5	101.4	59.9	31.1	14.9	6.9	2.7
1988 . . . . .	80.7	48.1	144.1	137.9	100.0	58.0	30.6	14.3	6.9	1.4
1987 . . . . .	78.3	44.6	136.1	133.9	97.4	58.0	30.0	13.8	6.6	1.3
1986 . . . . .	77.2	42.6	131.4	131.6	97.4	58.0	29.1	13.5	6.7	1.3
1985 . . . . .	77.2	41.8	129.5	132.7	97.3	59.4	29.5	13.3	6.5	1.2
1984 <sup>4</sup> . . . . .	76.7	40.9	128.0	132.2	98.3	58.4	29.3	13.3	6.1	1.2
1983 <sup>4</sup> . . . . .	77.2	40.7	129.1	134.4	99.0	59.6	29.6	13.5	6.0	1.2
1982 <sup>4</sup> . . . . .	79.5	40.3	133.4	141.2	103.6	61.1	29.6	13.9	6.0	1.2
1981 <sup>4</sup> . . . . .	80.4	38.9	138.4	145.6	104.3	61.3	29.7	13.3	5.7	1.2
1980 <sup>4</sup> . . . . .	83.0	40.1	145.3	152.8	109.6	62.0	31.2	13.6	5.9	1.1

<sup>1</sup>Rates computed by relating total births, regardless of age of father, to men aged 15–54 years.

<sup>2</sup>Rates computed by relating births of fathers under 20 years of age to men aged 15–19 years.

<sup>3</sup>Includes races other than white and black.

<sup>4</sup>Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see “Technical Notes.”

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all men (including Hispanic men) are classified only according to their race; see “Technical Notes.” Age of father was not stated for 13 percent of births in 2002. Rates for 1991–2001 may differ from those published in Births: Final Data for 2001,” but are consistent with those published in “Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States.”

**Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 2002**

Age and race of mother	Total	Years of school completed by mother						Percent 12 years or more	Percent 16 years or more
		0-8 years	9-11 years	12 years	13-15 years	16 years or more	Not stated		
All races <sup>1</sup>									
All ages . . . . .	4,021,726	239,616	614,966	1,234,726	851,732	1,026,819	53,867	78.5	25.9
Under 15 years . . . . .	7,315	5,525	1,543	—	—	—	247	*	*
15-19 years . . . . .	425,493	36,451	213,684	146,680	21,817	—	6,861	40.2	*
15 years . . . . .	18,703	5,577	12,568	—	—	—	558	*	*
16 years . . . . .	43,147	5,577	35,418	1,294	—	—	858	3.1	*
17 years . . . . .	76,881	6,594	56,429	12,333	220	—	1,305	16.6	*
18 years . . . . .	118,651	8,260	54,402	50,621	3,606	—	1,762	46.4	*
19 years . . . . .	168,111	10,443	54,867	82,432	17,991	—	2,378	60.6	*
20-24 years . . . . .	1,022,106	65,557	212,778	445,622	227,368	57,339	13,442	72.4	5.7
25-29 years . . . . .	1,060,391	62,102	105,296	315,029	271,475	293,155	13,334	84.0	28.0
30-34 years . . . . .	951,219	41,916	54,355	206,783	211,563	424,862	11,740	89.8	45.2
35-39 years . . . . .	453,927	21,569	22,380	98,280	98,235	207,087	6,376	90.2	46.3
40 years and over . . . . .	101,275	6,496	4,930	22,332	21,274	44,376	1,867	88.5	44.6
White total <sup>2</sup>									
All ages . . . . .	3,174,760	216,927	461,280	937,991	664,942	854,863	38,757	78.4	27.3
Under 15 years . . . . .	3,884	2,940	807	—	—	—	137	*	*
15-19 years . . . . .	305,988	31,365	151,179	103,954	14,735	—	4,755	39.4	*
15 years . . . . .	11,665	3,708	7,599	—	—	—	358	*	*
16 years . . . . .	29,501	4,552	23,459	918	—	—	572	3.2	*
17 years . . . . .	54,698	5,886	39,099	8,632	160	—	921	16.3	*
18 years . . . . .	85,957	7,543	39,668	35,130	2,405	—	1,211	44.3	*
19 years . . . . .	124,167	9,676	41,354	59,274	12,170	—	1,693	58.3	*
20-24 years . . . . .	783,000	61,621	162,732	334,290	169,977	44,661	9,719	71.0	5.8
25-29 years . . . . .	851,142	58,079	83,107	244,745	214,634	240,916	9,661	83.2	28.6
30-34 years . . . . .	779,535	38,043	43,073	161,868	170,310	357,797	8,444	89.5	46.4
35-39 years . . . . .	369,833	19,211	16,866	76,294	78,548	174,219	4,695	90.1	47.7
40 years and over . . . . .	81,378	5,668	3,516	16,840	16,738	37,270	1,346	88.5	46.6
Non-Hispanic white									
All ages . . . . .	2,298,156	37,286	230,461	680,848	550,543	781,617	17,401	88.3	34.3
Under 15 years . . . . .	1,493	1,178	278	—	—	—	37	*	*
15-19 years . . . . .	179,511	9,104	86,070	71,759	10,729	—	1,849	46.4	*
15 years . . . . .	5,130	1,530	3,491	—	—	—	109	*	*
16 years . . . . .	14,421	1,618	12,096	502	—	—	205	3.5	*
17 years . . . . .	30,205	1,785	22,650	5,311	103	—	356	18.1	*
18 years . . . . .	51,196	1,960	23,344	23,785	1,637	—	470	50.1	*
19 years . . . . .	78,559	2,211	24,489	42,161	8,989	—	709	65.7	*
20-24 years . . . . .	519,153	11,529	88,373	241,792	135,262	38,319	3,878	80.6	7.4
25-29 years . . . . .	614,909	7,314	32,930	175,417	177,591	217,517	4,140	93.4	35.6
30-34 years . . . . .	620,173	4,823	14,974	120,325	145,071	330,607	4,373	96.8	53.7
35-39 years . . . . .	297,436	2,496	6,293	58,252	67,332	160,646	2,417	97.0	54.5
40 years and over . . . . .	65,481	842	1,543	13,303	14,558	34,528	707	96.3	53.3
Black total <sup>2</sup>									
All ages . . . . .	593,691	13,912	128,422	231,835	135,545	73,837	10,140	75.6	12.7
Under 15 years . . . . .	3,188	2,428	666	—	—	—	94	*	*
15-19 years . . . . .	103,795	4,245	54,865	36,893	6,022	—	1,770	42.1	*
15 years . . . . .	6,336	1,687	4,484	—	—	—	165	*	*
16 years . . . . .	12,142	885	10,678	321	—	—	258	2.7	*
17 years . . . . .	19,411	573	15,284	3,179	51	—	324	16.9	*
18 years . . . . .	28,266	553	12,770	13,468	1,018	—	457	52.1	*
19 years . . . . .	37,640	547	11,649	19,925	4,953	—	566	67.1	*
20-24 years . . . . .	194,704	2,373	42,608	92,604	45,997	8,228	2,894	76.5	4.3
25-29 years . . . . .	136,591	1,942	17,281	52,336	40,051	22,720	2,261	85.7	16.9
30-34 years . . . . .	95,006	1,531	7,972	30,896	27,119	25,612	1,876	89.8	27.5
35-39 years . . . . .	48,388	1,001	3,999	15,292	13,246	13,890	960	89.5	29.3
40 years and over . . . . .	12,019	392	1,031	3,814	3,110	3,387	285	87.9	28.9

See footnotes at end of table.

**Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 2002—Con.**

Age and race of mother	Total	Years of school completed by mother						Percent 12 years or more	Percent 16 years or more
		0–8 years	9–11 years	12 years	13–15 years	16 years or more	Not stated		
Non-Hispanic black									
All ages . . . . .	578,335	12,998	125,345	226,221	132,331	72,045	9,395	75.7	12.7
Under 15 years . . . . .	3,132	2,390	653	–	–	–	89	*	*
15–19 years . . . . .	101,494	4,124	53,654	36,180	5,880	–	1,656	42.1	*
15 years . . . . .	6,191	1,654	4,380	–	–	–	157	*	*
16 years . . . . .	11,846	856	10,432	309	–	–	249	2.7	*
17 years . . . . .	18,980	557	14,978	3,094	47	–	304	16.8	*
18 years . . . . .	27,656	535	12,462	13,248	990	–	421	52.3	*
19 years . . . . .	36,821	522	11,402	19,529	4,843	–	525	67.1	*
20–24 years . . . . .	190,241	2,165	41,675	90,716	44,919	8,035	2,731	76.6	4.3
25–29 years . . . . .	132,824	1,730	16,801	50,951	39,086	22,165	2,091	85.8	17.0
30–34 years . . . . .	92,155	1,352	7,696	29,917	26,484	25,009	1,697	90.0	27.6
35–39 years . . . . .	46,831	881	3,867	14,770	12,919	13,524	870	89.7	29.4
40 years and over . . . . .	11,658	356	999	3,687	3,043	3,312	261	88.1	29.1
Hispanic <sup>3</sup>									
All ages . . . . .	876,642	180,513	233,253	260,237	115,398	71,042	16,199	51.9	8.3
Under 15 years . . . . .	2,421	1,791	541	–	–	–	89	*	*
15–19 years . . . . .	127,900	22,377	66,126	32,734	4,112	–	2,551	29.4	*
15 years . . . . .	6,647	2,208	4,205	–	–	–	234	*	*
16 years . . . . .	15,321	2,966	11,593	426	–	–	336	2.8	*
17 years . . . . .	24,772	4,117	16,710	3,387	61	–	497	14.2	*
18 years . . . . .	35,123	5,590	16,590	11,523	786	–	634	35.7	*
19 years . . . . .	46,037	7,496	17,028	17,398	3,265	–	850	45.7	*
20–24 years . . . . .	265,235	50,319	74,982	93,509	35,309	6,354	4,762	51.9	2.4
25–29 years . . . . .	236,143	50,959	50,571	70,034	37,330	22,943	4,306	56.2	9.9
30–34 years . . . . .	157,887	33,377	28,333	42,059	25,232	26,100	2,786	60.2	16.8
35–39 years . . . . .	71,480	16,837	10,698	18,300	11,232	13,020	1,393	60.7	18.6
40 years and over . . . . .	15,576	4,853	2,002	3,601	2,183	2,625	312	55.1	17.2

— Quantity zero.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes races other than white and black.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.



**Table 22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002**

Period of gestation <sup>1</sup> and race and Hispanic origin of mother	Weight gain during pregnancy										Median weight gain in pounds
	All births	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 <sup>2</sup>	Number										
All races <sup>3</sup>	3,492,369	400,890	359,358	449,914	578,289	445,368	411,316	220,001	407,787	219,446	...
White total <sup>4</sup>	2,746,211	291,163	272,174	355,666	463,693	364,439	334,119	180,258	325,615	159,084	...
Non-Hispanic white	2,133,507	207,156	195,340	272,669	364,708	296,096	272,852	150,096	272,828	101,762	...
Black total <sup>4</sup>	561,038	91,140	66,294	67,871	81,818	56,637	56,717	29,655	66,338	44,568	...
Non-Hispanic black	546,885	89,531	64,790	66,090	79,649	54,872	55,077	28,757	64,559	43,560	...
Hispanic <sup>5</sup>	613,581	84,455	77,375	83,484	99,267	68,508	61,456	30,301	53,170	55,565	...
Under 37 weeks											
All races <sup>3</sup>	430,200	71,942	53,676	55,638	63,227	43,789	40,357	21,448	44,530	35,593	...
White total <sup>4</sup>	310,427	46,530	37,271	40,994	47,052	33,790	30,745	16,803	33,985	23,257	...
Non-Hispanic white	236,654	32,664	26,957	31,307	36,495	27,035	24,890	13,984	28,656	14,666	...
Black total <sup>4</sup>	99,038	22,249	13,549	11,731	13,023	7,912	7,778	3,785	8,990	10,021	...
Non-Hispanic black	97,147	21,919	13,329	11,476	12,761	7,714	7,617	3,696	8,812	9,823	...
Hispanic <sup>5</sup>	74,153	14,026	10,394	9,818	10,612	6,817	5,902	2,821	5,365	8,398	...
37–39 weeks											
All races <sup>3</sup>	1,781,832	199,501	184,962	237,406	305,256	232,234	210,631	109,907	198,341	103,594	...
White total <sup>4</sup>	1,406,674	147,321	141,101	188,131	245,344	190,069	171,286	89,877	158,178	75,367	...
Non-Hispanic white	1,101,849	106,238	102,259	145,420	194,622	155,703	140,867	75,210	132,869	48,661	...
Black total <sup>4</sup>	277,750	42,724	32,653	34,818	42,061	29,228	28,678	14,918	32,367	20,303	...
Non-Hispanic black	270,789	41,968	31,903	33,932	40,961	28,319	27,851	14,483	31,532	19,840	...
Hispanic <sup>5</sup>	305,281	41,231	39,107	42,886	50,858	34,430	30,501	14,744	25,516	26,008	...
40 weeks and over											
All races <sup>3</sup>	1,273,889	128,728	120,333	156,493	209,318	169,005	159,965	88,514	164,593	76,940	...
White total <sup>4</sup>	1,024,510	96,850	93,525	126,253	170,922	140,320	131,827	73,482	133,228	58,103	...
Non-Hispanic white	792,221	67,976	65,970	95,768	133,346	113,186	106,927	60,844	111,156	37,048	...
Black total <sup>4</sup>	182,821	25,936	19,992	21,250	26,649	19,441	20,177	10,922	24,896	13,558	...
Non-Hispanic black	177,596	25,418	19,463	20,612	25,843	18,785	19,528	10,548	24,134	13,265	...
Hispanic <sup>5</sup>	232,658	29,023	27,752	30,669	37,670	27,176	24,960	12,702	22,216	20,490	...
All gestation periods <sup>2</sup>	Percent distribution										
All races <sup>3</sup>	100.0	12.2	11.0	13.7	17.7	13.6	12.6	6.7	12.5	...	30.5
White total <sup>4</sup>	100.0	11.3	10.5	13.7	17.9	14.1	12.9	7.0	12.6	...	30.6
Non-Hispanic white	100.0	10.2	9.6	13.4	18.0	14.6	13.4	7.4	13.4	...	30.9
Black total <sup>4</sup>	100.0	17.6	12.8	13.1	15.8	11.0	11.0	5.7	12.8	...	30.0
Non-Hispanic black	100.0	17.8	12.9	13.1	15.8	10.9	10.9	5.7	12.8	...	29.9
Hispanic <sup>5</sup>	100.0	15.1	13.9	15.0	17.8	12.3	11.0	5.4	9.5	...	28.7
Under 37 weeks											
All races <sup>3</sup>	100.0	18.2	13.6	14.1	16.0	11.1	10.2	5.4	11.3	...	28.1
White total <sup>4</sup>	100.0	16.2	13.0	14.3	16.4	11.8	10.7	5.9	11.8	...	29.1
Non-Hispanic white	100.0	14.7	12.1	14.1	16.4	12.2	11.2	6.3	12.9	...	30.1
Black total <sup>4</sup>	100.0	25.0	15.2	13.2	14.6	8.9	8.7	4.3	10.1	...	25.5
Non-Hispanic black	100.0	25.1	15.3	13.1	14.6	8.8	8.7	4.2	10.1	...	25.4
Hispanic <sup>5</sup>	100.0	21.3	15.8	14.9	16.1	10.4	9.0	4.3	8.2	...	25.7
37–39 weeks											
All races <sup>3</sup>	100.0	11.9	11.0	14.1	18.2	13.8	12.6	6.5	11.8	...	30.5
White total <sup>4</sup>	100.0	11.1	10.6	14.1	18.4	14.3	12.9	6.8	11.9	...	30.6
Non-Hispanic white	100.0	10.1	9.7	13.8	18.5	14.8	13.4	7.1	12.6	...	30.8
Black total <sup>4</sup>	100.0	16.6	12.7	13.5	16.3	11.4	11.1	5.8	12.6	...	30.0
Non-Hispanic black	100.0	16.7	12.7	13.5	16.3	11.3	11.1	5.8	12.6	...	30.0
Hispanic <sup>5</sup>	100.0	14.8	14.0	15.4	18.2	12.3	10.9	5.3	9.1	...	28.5

See footnotes at end of table.

**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 and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002—Con.**

Period of gestation <sup>1</sup> and race and Hispanic origin of mother	Weight gain during pregnancy										Median weight gain in pounds
	All births	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	
40 weeks and over											
											Percent distribution
All races <sup>3</sup> . . . . .	100.0	10.8	10.1	13.1	17.5	14.1	13.4	7.4	13.8	...	30.9
White total <sup>4</sup> . . . . .	100.0	10.0	9.7	13.1	17.7	14.5	13.6	7.6	13.8	...	31.0
Non-Hispanic white . . . . .	100.0	9.0	8.7	12.7	17.7	15.0	14.2	8.1	14.7	...	32.0
Black total <sup>4</sup> . . . . .	100.0	15.3	11.8	12.6	15.7	11.5	11.9	6.5	14.7	...	30.4
Non-Hispanic black . . . . .	100.0	15.5	11.8	12.5	15.7	11.4	11.9	6.4	14.7	...	30.4
Hispanic <sup>5</sup> . . . . .	100.0	13.7	13.1	14.5	17.8	12.8	11.8	6.0	10.5	...	30.1

... Category not applicable.

<sup>1</sup>Expressed in completed weeks.<sup>2</sup>Includes births with period of gestation not stated.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>5</sup>Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

**Table 23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002**

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

Period of gestation <sup>1</sup> and race and Hispanic origin of mother	Total	Weight gain during pregnancy								Not stated
		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	
All gestation periods <sup>2</sup>										
All races <sup>3</sup> . . . . .	8.0	13.9	10.5	8.1	6.7	5.7	5.6	5.5	6.0	12.1
White total <sup>4</sup> . . . . .	7.0	11.7	9.1	7.2	5.9	5.2	5.0	5.1	5.6	10.3
Non-Hispanic white . . . . .	7.0	12.0	9.6	7.3	6.0	5.2	5.1	5.2	5.7	10.7
Black total <sup>4</sup> . . . . .	13.4	21.1	16.2	13.2	11.4	9.6	9.1	8.3	8.1	18.9
Non-Hispanic black . . . . .	13.5	21.2	16.4	13.3	11.5	9.6	9.2	8.4	8.2	19.0
Hispanic <sup>5</sup> . . . . .	6.9	11.1	8.0	6.7	5.6	5.1	4.6	4.4	4.7	9.7
Mexican . . . . .	6.5	10.2	7.2	6.1	5.1	4.7	4.5	4.0	4.4	8.7
Puerto Rican . . . . .	9.8	17.1	13.3	10.5	7.9	7.7	6.5	5.7	6.0	15.4
Cuban . . . . .	6.5	12.4	8.7	6.8	6.2	4.7	4.9	5.6	5.0	9.5
Central and South American . . . . .	6.5	11.6	7.8	6.8	5.6	4.7	3.9	4.1	4.3	10.3
Other and unknown Hispanic . . . . .	8.1	13.1	9.3	8.3	6.4	6.2	4.8	5.3	5.3	13.9
Under 37 weeks										
All races <sup>3</sup> . . . . .	43.7	55.7	47.8	42.5	38.5	36.9	36.2	36.6	36.9	54.2
White total <sup>4</sup> . . . . .	41.3	52.3	45.3	40.4	36.7	35.7	35.1	36.1	36.6	51.5
Non-Hispanic white . . . . .	42.7	54.8	48.1	42.0	38.2	36.9	36.5	37.6	37.8	55.0
Black total <sup>4</sup> . . . . .	51.3	63.0	54.9	49.8	45.3	42.6	40.9	39.8	38.3	61.3
Non-Hispanic black . . . . .	51.4	63.1	55.0	49.9	45.3	42.7	41.0	40.1	38.3	61.4
Hispanic <sup>5</sup> . . . . .	36.8	46.8	37.9	35.3	31.4	31.3	29.2	28.2	29.6	44.8
37–39 weeks										
All races <sup>3</sup> . . . . .	4.0	6.1	5.0	4.3	3.7	3.2	3.1	3.0	3.2	5.0
White total <sup>4</sup> . . . . .	3.5	5.1	4.3	3.7	3.2	2.8	2.7	2.7	2.9	4.1
Non-Hispanic white . . . . .	3.4	5.1	4.4	3.7	3.2	2.7	2.7	2.7	2.9	4.1
Black total <sup>4</sup> . . . . .	6.7	9.3	7.8	7.0	6.4	5.4	5.2	5.0	4.6	8.1
Non-Hispanic black . . . . .	6.7	9.4	7.8	7.0	6.4	5.4	5.2	5.0	4.6	8.1
Hispanic <sup>5</sup> . . . . .	3.7	5.2	4.2	3.9	3.3	3.1	2.9	2.8	2.8	4.3
40 weeks and over										
All races <sup>3</sup> . . . . .	1.6	2.8	2.3	1.8	1.4	1.2	1.1	1.0	1.0	2.1
White total <sup>4</sup> . . . . .	1.3	2.3	1.9	1.6	1.2	1.0	0.9	0.9	0.9	1.7
Non-Hispanic white . . . . .	1.3	2.3	1.9	1.6	1.2	1.0	0.9	0.9	0.9	1.6
Black total <sup>4</sup> . . . . .	3.0	4.7	3.8	3.3	2.8	2.3	2.3	1.9	1.8	3.7
Non-Hispanic black . . . . .	3.1	4.7	3.9	3.4	2.9	2.3	2.4	1.9	1.8	3.7
Hispanic <sup>5</sup> . . . . .	1.5	2.3	1.9	1.6	1.4	1.1	1.0	0.9	0.9	2.0

<sup>1</sup>Expressed in completed weeks.<sup>2</sup>Includes births with period of gestation not stated.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>5</sup>Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

**Table 24. Percent of births with selected medical or health characteristics by detailed race of mother, by place of birth of mother: United States, 2002**

Characteristic	All races	White	Black	American Indian <sup>1</sup>	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
All births										
Mother										
Prenatal care beginning in the first trimester . . . . .	83.7	85.4	75.2	69.8	84.8	87.2	90.5	78.1	85.4	83.9
Late or no prenatal care . . . . .	3.6	3.1	6.2	8.0	3.1	2.1	2.1	4.7	2.8	3.5
Smoker <sup>2</sup> . . . . .	11.4	12.3	8.7	19.7	2.5	0.5	4.0	13.7	2.9	2.1
Drinker <sup>3</sup> . . . . .	0.8	0.8	0.9	2.5	0.3	0.1	0.8	1.1	0.4	0.3
Weight gain of less than 16 lbs <sup>4</sup> . . . . .	12.2	11.3	17.6	17.0	9.3	6.9	11.8	10.2	8.0	9.9
Median weight gain <sup>4</sup> . . . . .	30.5	30.6	30.0	30.0	30.2	30.3	26.8	32.8	30.6	30.1
Cesarean delivery rate . . . . .	26.1	25.9	27.6	23.1	25.0	23.9	20.8	22.4	28.5	24.8
Infant										
Preterm births <sup>5</sup> . . . . .	12.1	11.1	17.5	13.1	10.4	7.7	9.2	13.5	12.7	10.5
Birthweight										
Very low birthweight <sup>6</sup> . . . . .	1.5	1.2	3.1	1.3	1.1	0.7	1.0	1.6	1.3	1.2
Low birthweight <sup>7</sup> . . . . .	7.8	6.8	13.3	7.2	7.8	5.5	7.6	8.1	8.6	8.2
4,000 grams or more <sup>8</sup> . . . . .	9.2	10.2	5.0	11.2	5.5	6.2	4.7	8.3	5.5	5.2
5-minute Apgar score of less than 7 <sup>9</sup> . . . . .	1.4	1.2	2.3	1.4	1.0	0.7	0.8	1.6	1.1	1.0
Births to mothers born in the 50 States and DC										
Mother										
Prenatal care beginning in the first trimester . . . . .	85.3	87.7	75.1	69.5	83.1	90.9	91.6	78.4	85.0	80.3
Late or no prenatal care . . . . .	3.1	2.4	6.1	8.0	3.3	1.7	1.6	4.7	2.6	3.9
Smoker <sup>2</sup> . . . . .	13.8	14.6	9.8	20.7	8.5	2.9	6.1	13.7	6.6	7.7
Drinker <sup>3</sup> . . . . .	0.9	0.9	0.9	2.6	0.8	*	*	1.1	0.7	0.8
Weight gain of less than 16 lbs <sup>4</sup> . . . . .	11.9	10.6	18.0	17.1	9.1	6.3	10.8	10.2	7.9	9.0
Median weight gain <sup>4</sup> . . . . .	30.7	30.8	30.0	30.0	30.9	30.5	29.0	32.8	31.2	30.8
Cesarean delivery rate . . . . .	26.3	26.1	27.4	22.9	22.1	22.3	25.1	22.4	22.8	20.8
Infant										
Preterm births <sup>5</sup> . . . . .	12.4	11.3	18.1	13.1	12.3	10.7	11.7	13.6	13.4	11.8
Birthweight										
Very low birthweight <sup>6</sup> . . . . .	1.5	1.2	3.2	1.3	1.4	1.1	1.2	1.6	1.4	1.5
Low birthweight <sup>7</sup> . . . . .	8.2	7.0	13.8	7.1	8.6	7.9	8.3	8.2	9.5	8.5
4,000 grams or more <sup>8</sup> . . . . .	9.4	10.4	4.6	11.5	6.5	5.6	5.4	8.3	5.5	6.7
5-minute Apgar score of less than 7 <sup>9</sup> . . . . .	1.4	1.2	2.3	1.4	1.4	*	1.2	1.6	1.2	1.4
Births to mothers born outside the 50 States and DC										
Mother										
Prenatal care beginning in the first trimester . . . . .	78.6	77.2	76.3	75.5	85.1	86.8	89.7	69.7	85.5	84.4
Late or no prenatal care . . . . .	5.2	5.5	6.7	6.8	3.1	2.2	2.4	*	2.9	3.4
Smoker <sup>2</sup> . . . . .	1.8	2.0	1.3	3.8	1.3	0.2	2.6	14.6	1.8	1.4
Drinker <sup>3</sup> . . . . .	0.4	0.4	0.3	*	0.3	*	1.1	*	0.3	0.2
Weight gain of less than 16 lbs <sup>4</sup> . . . . .	13.7	14.5	15.0	14.9	9.4	6.9	12.5	*	8.1	10.0
Median weight gain <sup>4</sup> . . . . .	28.8	28.5	29.2	27.7	30.0	30.3	25.8	32.0	30.5	29.8
Cesarean delivery rate . . . . .	25.5	25.1	29.6	25.4	25.6	24.1	17.8	25.6	30.0	25.3
Infant										
Preterm births <sup>5</sup> . . . . .	10.8	10.7	13.7	12.3	10.0	7.4	7.5	*	12.5	10.3
Birthweight										
Very low birthweight <sup>6</sup> . . . . .	1.1	1.0	2.4	1.4	1.1	0.7	0.8	*	1.3	1.1
Low birthweight <sup>7</sup> . . . . .	6.6	6.0	9.7	8.7	7.6	5.3	7.1	*	8.4	8.1
4,000 grams or more <sup>8</sup> . . . . .	8.4	9.3	7.7	7.0	5.3	6.3	4.2	*	5.5	5.0
5-minute Apgar score of less than 7 <sup>9</sup> . . . . .	1.0	1.0	1.7	1.3	0.9	0.7	*	*	1.0	1.0

\*Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes births to Aleuts and Eskimos.<sup>2</sup>Excludes data for California, which did not report tobacco use on the birth certificate.<sup>3</sup>Excludes data for California, which did not report alcohol use on the birth certificate.<sup>4</sup>Excludes data for California, which did not report weight gain on the birth certificate. Median weight shown in pounds.<sup>5</sup>Born prior to 37 completed weeks of gestation.<sup>6</sup>Birthweight of less than 1,500 grams (3 lb 4 oz).<sup>7</sup>Birthweight of less than 2,500 grams (5 lb 8 oz).<sup>8</sup>Equivalent to 8 lb 14 oz.<sup>9</sup>Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 2002**

Characteristic	All origins <sup>1</sup>	Origin of mother								
		Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
All births										
Mother										
Prenatal care beginning in the first trimester . . . . .	83.7	76.7	75.7	79.9	92.0	78.7	76.7	85.7	88.6	75.2
Late or no prenatal care . . . . .	3.6	5.5	5.8	4.1	1.3	4.9	5.3	3.1	2.2	6.2
Smoker <sup>3</sup> . . . . .	11.4	3.0	2.2	9.0	2.8	1.3	6.5	13.2	15.0	8.8
Drinker <sup>4</sup> . . . . .	0.8	0.5	0.5	0.7	0.3	0.3	0.9	0.9	0.9	0.9
Weight gain of less than 16 lbs <sup>5</sup> . . . . .	12.2	15.1	16.7	12.6	7.9	12.5	13.5	11.7	10.2	17.8
Median weight gain <sup>5</sup> . . . . .	30.5	28.7	27.4	30.5	31.6	30.0	30.3	30.7	30.9	29.9
Cesarean delivery rate . . . . .	26.1	25.2	24.5	26.2	36.9	27.0	24.6	26.4	26.2	27.7
Infant										
Preterm births <sup>6</sup> . . . . .	12.1	11.6	11.4	14.0	10.5	11.2	12.8	12.2	11.0	17.7
Birthweight										
Very low birthweight <sup>7</sup> . . . . .	1.5	1.2	1.1	2.0	1.2	1.2	1.4	1.5	1.2	3.1
Low birthweight <sup>8</sup> . . . . .	7.8	6.5	6.2	9.7	6.5	6.5	7.9	8.2	6.9	13.4
4,000 grams or more <sup>9</sup> . . . . .	9.2	8.5	8.8	6.8	8.5	8.5	6.8	9.3	10.8	4.9
5-minute Apgar score of less than 7 <sup>10</sup> . . . . .	1.4	1.1	1.1	1.4	0.7	0.9	1.3	1.4	1.2	2.3
Births to mothers born in the 50 States and DC										
Mother										
Prenatal care beginning in the first trimester . . . . .	85.3	79.8	79.7	79.4	91.0	83.4	77.9	86.0	88.8	75.1
Late or no prenatal care . . . . .	3.1	4.3	4.3	4.3	1.7	3.5	5.1	3.0	2.2	6.1
Smoker <sup>3</sup> . . . . .	13.8	6.3	5.1	10.1	4.3	4.6	8.7	14.4	15.5	9.8
Drinker <sup>4</sup> . . . . .	0.9	0.8	0.8	0.7	0.5	0.6	1.1	1.0	0.9	0.9
Weight gain of less than 16 lbs <sup>5</sup> . . . . .	11.9	13.5	14.5	12.0	7.8	9.6	13.5	11.8	10.2	18.1
Median weight gain <sup>5</sup> . . . . .	30.7	30.3	30.1	30.7	32.2	31.0	30.4	30.7	30.9	30.0
Cesarean delivery rate . . . . .	26.3	25.1	25.0	25.6	33.2	25.1	24.3	26.4	26.3	27.4
Infant										
Preterm births <sup>6</sup> . . . . .	12.4	12.6	12.4	13.9	10.1	11.3	13.3	12.4	11.1	18.2
Birthweight										
Very low birthweight <sup>7</sup> . . . . .	1.5	1.4	1.2	1.9	1.2	1.5	1.5	1.6	1.2	3.2
Low birthweight <sup>8</sup> . . . . .	8.2	7.5	7.1	9.6	6.8	7.5	8.3	8.2	6.9	13.8
4,000 grams or more <sup>9</sup> . . . . .	9.4	7.7	8.0	6.8	7.7	8.4	6.5	9.6	10.8	4.5
5-minute Apgar score of less than 7 <sup>10</sup> . . . . .	1.4	1.2	1.2	1.3	0.6	0.9	1.4	1.4	1.2	2.3
Births to mothers born outside the 50 States and DC										
Mother										
Prenatal care beginning in the first trimester . . . . .	78.6	75.0	73.5	80.9	92.8	78.1	74.1	83.9	86.2	76.2
Late or no prenatal care . . . . .	5.2	6.1	6.6	3.8	1.0	5.1	5.7	3.8	3.2	6.8
Smoker <sup>3</sup> . . . . .	1.8	1.1	0.7	6.8	1.6	0.8	1.6	2.7	5.1	1.2
Drinker <sup>4</sup> . . . . .	0.4	0.3	0.2	0.8	*	0.2	0.3	0.5	0.9	0.3
Weight gain of less than 16 lbs <sup>5</sup> . . . . .	13.7	16.1	17.9	13.8	8.0	12.9	13.6	10.6	9.2	15.4
Median weight gain <sup>5</sup> . . . . .	28.8	27.3	25.9	30.2	31.1	29.6	29.6	30.2	30.7	28.9
Cesarean delivery rate . . . . .	25.5	25.2	24.2	27.5	39.9	27.3	25.6	26.0	24.7	29.6
Infant										
Preterm births <sup>6</sup> . . . . .	10.8	11.0	10.8	14.1	10.8	11.2	11.3	10.5	9.3	13.8
Birthweight										
Very low birthweight <sup>7</sup> . . . . .	1.1	1.0	1.0	2.0	1.1	1.2	1.2	1.3	1.0	2.5
Low birthweight <sup>8</sup> . . . . .	6.6	6.0	5.6	9.8	6.3	6.4	6.3	7.5	6.1	9.9
4,000 grams or more <sup>9</sup> . . . . .	8.4	9.0	9.3	6.6	9.1	8.5	7.5	7.6	10.6	7.6
5-minute Apgar score of less than 7 <sup>10</sup> . . . . .	1.0	1.0	1.0	1.4	0.8	0.9	1.1	1.1	0.9	1.7

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See "Technical Notes."

**Table 26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 2002**

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

Medical risk factor and race of mother	All births <sup>1</sup>	Medical risk factor reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	
All races <sup>3</sup>										
Anemia . . . . .	4,021,726	102,788	25.7	36.3	30.9	23.8	20.5	20.7	21.2	28,424
Cardiac disease . . . . .	4,021,726	20,308	5.1	2.7	3.4	4.8	6.6	7.7	9.5	28,424
Acute or chronic lung disease . . . . .	4,021,726	49,263	12.3	14.6	13.2	11.8	11.3	11.8	12.5	28,424
Diabetes . . . . .	4,021,726	131,027	32.8	9.9	18.6	31.8	43.2	57.7	76.5	28,424
Genital herpes <sup>4</sup> . . . . .	3,649,276	33,644	9.3	6.3	8.1	8.5	10.7	12.7	13.3	28,748
Hydramnios/Oligohydramnios . . . . .	4,021,726	55,590	13.9	14.7	13.9	13.5	13.5	14.4	17.8	28,424
Hemoglobinopathy . . . . .	4,021,726	3,152	0.8	1.1	0.9	0.7	0.7	0.7	0.9	28,424
Hypertension, chronic . . . . .	4,021,726	33,442	8.4	2.7	4.9	7.5	10.3	15.8	25.6	28,424
Hypertension, pregnancy-associated . . . . .	4,021,726	150,854	37.8	41.3	37.5	37.3	35.6	38.6	47.8	28,424
Eclampsia . . . . .	4,021,726	12,920	3.2	4.6	3.4	2.9	2.8	3.2	4.0	28,424
Incompetent cervix . . . . .	4,021,726	11,703	2.9	1.4	2.1	2.8	3.7	4.5	4.9	28,424
Previous infant 4,000+ grams . . . . .	4,021,726	42,102	10.5	1.3	5.8	10.8	14.9	18.1	20.0	28,424
Previous preterm or small-for-gestational-age infant . . . . .	4,021,726	49,934	12.5	4.7	12.1	13.4	13.6	15.3	17.3	28,424
Renal disease . . . . .	4,021,726	12,185	3.1	3.0	3.4	3.1	2.8	2.6	2.6	28,424
Rh sensitization <sup>5</sup> . . . . .	3,982,314	26,648	6.7	5.3	6.2	6.8	7.5	7.4	7.5	30,643
Uterine bleeding <sup>4</sup> . . . . .	3,649,276	20,666	5.7	4.1	5.0	5.7	6.4	6.8	8.0	28,748
White										
Anemia . . . . .	3,174,760	72,058	22.9	32.2	27.2	21.2	18.8	19.2	19.1	22,500
Cardiac disease . . . . .	3,174,760	17,148	5.4	2.8	3.5	5.1	7.0	8.3	10.1	22,500
Acute or chronic lung disease . . . . .	3,174,760	37,660	11.9	13.1	12.5	11.6	11.3	11.8	12.5	22,500
Diabetes . . . . .	3,174,760	99,472	31.6	10.2	18.2	30.2	40.3	53.7	71.2	22,500
Genital herpes <sup>4</sup> . . . . .	2,857,610	26,134	9.2	5.7	7.3	8.2	10.9	13.5	14.6	22,774
Hydramnios/Oligohydramnios . . . . .	3,174,760	42,414	13.5	13.9	13.5	13.0	13.1	13.9	16.8	22,500
Hemoglobinopathy . . . . .	3,174,760	1,109	0.4	0.3	0.3	0.3	0.4	0.4	0.5	22,500
Hypertension, chronic . . . . .	3,174,760	22,796	7.2	2.3	4.3	6.5	8.8	13.0	20.4	22,500
Hypertension, pregnancy-associated . . . . .	3,174,760	120,089	38.1	40.3	38.0	38.4	36.1	38.0	47.0	22,500
Eclampsia . . . . .	3,174,760	9,418	3.0	4.0	3.1	2.7	2.6	3.1	3.8	22,500
Incompetent cervix . . . . .	3,174,760	7,936	2.5	1.2	1.7	2.3	3.2	4.1	4.7	22,500
Previous infant 4,000+ grams . . . . .	3,174,760	37,572	11.9	1.4	6.5	12.0	16.5	20.1	22.3	22,500
Previous preterm or small-for-gestational-age infant . . . . .	3,174,760	38,518	12.2	4.3	11.5	12.9	13.5	15.0	17.1	22,500
Renal disease . . . . .	3,174,760	10,438	3.3	3.4	3.7	3.4	3.1	2.8	2.8	22,500
Rh sensitization <sup>5</sup> . . . . .	3,139,856	24,227	7.8	6.2	7.1	7.8	8.6	8.6	8.7	24,429
Uterine bleeding <sup>4</sup> . . . . .	2,857,610	17,154	6.1	4.5	5.3	6.0	6.6	7.0	8.6	22,774
Black										
Anemia . . . . .	593,691	24,029	40.7	45.1	44.1	39.7	34.9	32.8	35.9	3,045
Cardiac disease . . . . .	593,691	2,356	4.0	2.4	3.3	4.3	5.3	6.1	8.0	3,045
Acute or chronic lung disease . . . . .	593,691	9,466	16.0	18.7	16.5	15.5	13.7	14.2	15.3	3,045
Diabetes . . . . .	593,691	17,952	30.4	8.3	18.0	33.3	50.5	67.8	86.4	3,045
Genital herpes <sup>4</sup> . . . . .	552,049	6,286	11.5	8.0	11.6	12.6	13.5	11.9	8.5	3,126
Hydramnios/Oligohydramnios . . . . .	593,691	9,655	16.3	17.1	15.3	15.5	16.7	18.8	23.4	3,045
Hemoglobinopathy . . . . .	593,691	1,885	3.2	3.5	3.1	3.1	3.0	3.2	3.7	3,045
Hypertension, chronic . . . . .	593,691	9,245	15.7	4.0	7.9	15.6	25.9	41.1	62.0	3,045
Hypertension, pregnancy-associated . . . . .	593,691	24,484	41.5	44.7	37.2	39.0	42.8	51.5	59.3	3,045
Eclampsia . . . . .	593,691	2,922	4.9	6.2	4.5	4.6	4.8	4.9	6.1	3,045
Incompetent cervix . . . . .	593,691	3,243	5.5	1.9	4.0	6.6	8.9	9.1	7.8	3,045
Previous infant 4,000+ grams . . . . .	593,691	2,630	4.5	0.8	2.9	5.7	7.2	8.5	9.5	3,045
Previous preterm or small-for-gestational-age infant . . . . .	593,691	8,882	15.0	5.9	14.9	18.7	17.6	18.8	20.6	3,045
Renal disease . . . . .	593,691	1,246	2.1	2.0	2.2	2.0	2.2	2.0	*	3,045
Rh sensitization <sup>5</sup> . . . . .	590,801	1,881	3.2	3.0	3.0	3.4	3.4	3.1	3.4	3,287
Uterine bleeding <sup>4</sup> . . . . .	552,049	2,310	4.2	3.0	3.8	4.6	5.0	5.7	4.8	3,126

<sup>1</sup>Total number of births to residents of areas reporting specified medical risk factor.<sup>2</sup>No response reported for the medical risk factor item.<sup>3</sup>Includes races other than white and black.<sup>4</sup>Texas does not report this risk factor.<sup>5</sup>Kansas does not report this risk factor.

NOTES: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by detailed race of mother: United States, 2002**

[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 <sup>1</sup>	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
Medical risk factors					Number					
Anemia . . . . .	102,788	72,058	24,029	2,366	4,335	417	145	371	587	2,815
Diabetes . . . . .	131,027	99,472	17,952	2,345	11,258	1,601	391	331	1,957	6,978
Hypertension, pregnancy-associated . . . . .	150,854	120,089	24,484	1,941	4,340	389	155	324	1,008	2,464
Uterine bleeding <sup>2</sup> . . . . .	20,666	17,154	2,310	237	965	126	62	42	184	551
Complications of labor and/or delivery										
Meconium, moderate/heavy . . . . .	200,408	147,500	39,941	2,194	10,773	1,572	408	448	1,925	6,420
Premature rupture of membrane . . . . .	92,550	70,750	15,458	1,403	4,939	696	274	187	863	2,919
Dysfunctional labor . . . . .	114,479	90,497	15,555	1,538	6,889	1,427	338	269	1,128	3,727
Breech/Malpresentation . . . . .	152,425	124,541	18,370	1,584	7,930	1,305	374	344	1,205	4,702
Cephalopelvic disproportion . . . . .	63,240	51,124	7,081	625	4,410	779	182	116	808	2,525
Fetal distress <sup>3</sup> . . . . .	140,074	104,231	26,571	1,545	7,727	1,085	347	313	1,208	4,774
Obstetric procedures										
Amniocentesis . . . . .	79,035	64,891	7,133	566	6,445	1,606	733	206	1,032	2,868
Electronic fetal monitoring . . . . .	3,413,557	2,697,901	508,334	35,649	171,673	27,541	7,308	5,254	26,187	105,383
Induction of labor . . . . .	826,161	685,153	103,057	8,729	29,222	4,120	1,363	1,071	3,971	18,697
Ultrasound . . . . .	2,707,007	2,168,878	367,325	26,382	144,422	24,224	6,798	4,566	22,339	86,495
Stimulation of labor . . . . .	693,548	553,122	95,512	6,920	37,994	6,412	1,791	1,128	5,414	23,249
Medical risk factors					Rate					
Anemia . . . . .	25.7	22.9	40.7	56.7	20.8	12.5	15.8	55.2	17.9	22.2
Diabetes . . . . .	32.8	31.6	30.4	56.2	54.0	47.9	42.5	49.2	59.8	55.1
Hypertension, pregnancy-associated . . . . .	37.8	38.1	41.5	46.5	20.8	11.6	16.9	48.2	30.8	19.5
Uterine bleeding <sup>2</sup> . . . . .	5.7	6.1	4.2	5.8	4.9	4.0	6.9	6.3	5.8	4.7
Complications of labor and/or delivery										
Meconium, moderate/heavy . . . . .	50.1	46.7	67.5	52.5	51.5	46.8	44.3	66.6	58.7	50.5
Premature rupture of membrane . . . . .	23.1	22.4	26.1	33.6	23.6	20.7	29.7	27.8	26.3	23.0
Dysfunctional labor . . . . .	28.6	28.6	26.3	36.8	32.9	42.5	36.7	40.0	34.4	29.3
Breech/Malpresentation . . . . .	38.1	39.4	31.0	37.9	37.9	38.8	40.6	51.2	36.8	37.0
Cephalopelvic disproportion . . . . .	15.8	16.2	12.0	15.0	21.1	23.2	19.8	17.2	24.6	19.9
Fetal distress <sup>3</sup> . . . . .	38.6	36.7	48.3	37.7	39.3	33.8	38.7	47.1	38.3	40.7
Obstetric procedures										
Amniocentesis . . . . .	19.7	20.5	12.0	13.5	30.7	47.8	79.4	30.6	31.4	22.5
Electronic fetal monitoring . . . . .	851.9	853.0	858.2	851.8	818.7	819.1	791.9	779.9	797.2	828.2
Induction of labor . . . . .	206.2	216.6	174.0	208.6	139.4	122.5	147.7	159.0	120.9	146.9
Ultrasound . . . . .	675.6	685.7	620.1	630.3	688.8	720.4	736.7	677.7	680.1	679.7
Stimulation of labor . . . . .	173.1	174.9	161.2	165.3	181.2	190.7	194.1	167.4	164.8	182.7

<sup>1</sup>Includes births to Aleuts and Eskimos.<sup>2</sup>Texas does not report this risk factor.<sup>3</sup>Texas does not report this complication.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."



**Table 28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2002**

[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 <sup>1</sup>	Origin of mother								
		Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
Medical risk factors		Number								
Anemia . . . . .	102,788	23,234	15,511	2,328	344	2,700	2,351	78,895	49,136	23,403
Diabetes . . . . .	131,027	28,417	19,857	2,406	388	3,908	1,858	101,884	71,263	17,417
Hypertension, pregnancy-associated . . . . .	150,854	22,948	15,563	1,827	441	3,142	1,975	127,083	97,070	24,039
Uterine bleeding <sup>3</sup> . . . . .	20,666	2,648	1,564	381	46	369	288	17,873	14,504	2,223
Complications of labor and/or delivery										
Meconium, moderate/heavy . . . . .	200,408	48,221	33,975	3,177	505	7,789	2,775	151,008	99,674	38,934
Premature rupture of membrane . . . . .	92,550	15,825	10,620	1,436	182	2,393	1,194	76,087	54,901	15,119
Dysfunctional labor . . . . .	114,479	22,199	13,932	1,990	538	3,673	2,066	91,736	68,538	15,053
Breech/Malpresentation . . . . .	152,425	25,689	17,253	2,047	543	3,984	1,862	125,843	98,814	17,895
Cephalopelvic disproportion . . . . .	63,240	10,169	7,152	772	172	1,475	598	52,647	40,830	6,926
Fetal distress <sup>4</sup> . . . . .	140,074	19,858	12,054	2,211	366	3,838	1,389	119,502	84,546	26,023
Obstetric procedures										
Amniocentesis . . . . .	79,035	8,532	4,254	1,037	274	2,080	887	69,923	56,260	6,849
Electronic fetal monitoring . . . . .	3,413,557	717,570	506,409	49,663	12,566	104,197	44,735	2,678,865	1,983,122	495,846
Induction of labor . . . . .	826,161	120,472	80,600	9,490	2,909	16,780	10,693	701,317	563,923	100,839
Ultrasound . . . . .	2,707,007	525,175	360,827	39,552	8,261	80,830	35,705	2,167,727	1,645,878	357,152
Stimulation of labor . . . . .	693,548	135,841	93,036	11,685	1,833	20,971	8,316	553,698	417,475	92,724
Medical risk factors		Rate								
Anemia . . . . .	25.7	26.6	24.8	40.8	24.2	21.6	46.0	25.5	21.5	40.7
Diabetes . . . . .	32.8	32.6	31.8	42.1	27.3	31.3	36.4	32.9	31.2	30.3
Hypertension, pregnancy-associated . . . . .	37.8	26.3	24.9	32.0	31.1	25.1	38.6	41.0	42.6	41.8
Uterine bleeding <sup>3</sup> . . . . .	5.7	3.8	3.3	6.8	3.3	3.2	7.2	6.2	6.8	4.2
Complications of labor and/or delivery										
Meconium, moderate/heavy . . . . .	50.1	55.2	54.2	55.5	35.5	62.1	54.2	48.7	43.6	67.5
Premature rupture of membrane . . . . .	23.1	18.1	17.0	25.1	12.8	19.1	23.3	24.5	24.0	26.2
Dysfunctional labor . . . . .	28.6	25.4	22.2	34.8	37.9	29.3	40.4	29.6	30.0	26.1
Breech/Malpresentation . . . . .	38.1	29.4	27.5	35.8	38.2	31.7	36.4	40.5	43.2	31.0
Cephalopelvic disproportion . . . . .	15.8	11.6	11.4	13.5	12.1	11.8	11.7	17.0	17.9	12.0
Fetal distress <sup>4</sup> . . . . .	38.6	28.6	25.7	39.5	26.3	33.1	34.8	41.1	39.4	48.6
Obstetric procedures										
Amniocentesis . . . . .	19.7	9.8	6.8	18.1	19.3	16.6	17.3	22.5	24.6	11.9
Electronic fetal monitoring . . . . .	851.9	820.2	808.2	867.5	883.8	829.8	872.4	862.0	866.5	859.2
Induction of labor . . . . .	206.2	137.7	128.6	165.8	204.6	133.6	208.5	225.7	246.4	174.7
Ultrasound . . . . .	675.6	600.3	575.9	690.9	581.0	643.7	696.3	697.5	719.1	618.9
Stimulation of labor . . . . .	173.1	155.3	148.5	204.1	128.9	167.0	162.2	178.2	182.4	160.7

<sup>1</sup>Includes origin not stated.<sup>2</sup>Includes races other than white and black.<sup>3</sup>Texas does not report this risk factor.<sup>4</sup>Texas does not report this complication.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See "Technical Notes."



**Table 29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 49 reporting States and the District of Columbia, 2002**

Smoking status, smoking measure, and race of mother	Age of mother									
	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	40–54 years
All races <sup>1</sup>			Number							
Total . . . . .	3,492,369	6,572	375,271	122,064	253,207	899,012	923,112	820,815	384,033	83,554
Smoker. . . . .	397,197	382	62,193	16,272	45,921	149,563	90,493	57,699	29,868	6,999
Nonsmoker . . . . .	3,077,173	6,150	311,090	105,074	206,016	744,930	828,111	758,982	351,935	75,975
Not stated . . . . .	17,999	40	1,988	718	1,270	4,519	4,508	4,134	2,230	580
White										
Total . . . . .	2,746,211	3,275	262,896	81,454	181,442	678,382	739,861	678,778	315,538	67,481
Smoker. . . . .	337,312	301	53,447	13,877	39,570	127,352	76,740	49,145	24,737	5,590
Nonsmoker . . . . .	2,394,739	2,954	208,045	67,103	140,942	547,640	659,555	626,188	288,933	61,424
Not stated . . . . .	14,160	20	1,404	474	930	3,390	3,566	3,445	1,868	467
Black										
Total . . . . .	561,038	3,084	99,384	36,447	62,937	185,104	128,823	88,671	44,989	10,983
Smoker. . . . .	48,578	59	6,701	1,778	4,923	18,103	11,170	6,926	4,389	1,230
Nonsmoker . . . . .	509,875	3,011	92,246	34,485	57,761	166,191	117,045	81,308	40,386	9,688
Not stated . . . . .	2,585	14	437	184	253	810	608	437	214	65
			Percent smokers							
Total <sup>1</sup> . . . . .	11.4	5.8	16.7	13.4	18.2	16.7	9.9	7.1	7.8	8.4
White . . . . .	12.3	9.2	20.4	17.1	21.9	18.9	10.4	7.3	7.9	8.3
Black . . . . .	8.7	1.9	6.8	4.9	7.9	9.8	8.7	7.8	9.8	11.3
All races <sup>1</sup>			Percent distribution <sup>2</sup>							
Smoker. . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1–5 cigarettes . . . . .	32.2	52.3	40.2	43.8	38.9	33.2	29.6	28.0	27.5	26.9
6–10 cigarettes . . . . .	42.0	35.6	42.3	40.7	42.8	42.9	42.1	40.8	39.5	37.5
11–15 cigarettes . . . . .	5.5	*	4.0	3.5	4.2	5.0	6.0	6.8	6.9	7.5
16–20 cigarettes . . . . .	17.8	9.7	12.2	10.8	12.7	16.9	19.5	20.8	21.9	23.1
21–30 cigarettes . . . . .	1.9	*	1.0	0.9	1.0	1.5	2.0	2.6	2.9	3.3
31–40 cigarettes . . . . .	0.6	*	0.3	0.3	0.3	0.5	0.7	0.8	1.1	1.6
41 cigarettes or more . . . . .	0.1	*	0.1	*	0.1	0.1	0.1	0.1	0.1	*
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 . . . . .	29.0	45.1	36.6	39.8	35.5	29.6	26.5	25.5	24.6	23.5
6–10 cigarettes . . . . .	43.1	41.0	44.3	43.3	44.7	44.4	42.9	41.1	39.5	37.1
11–15 cigarettes . . . . .	6.0	*	4.4	3.8	4.6	5.4	6.5	7.3	7.6	8.5
16–20 cigarettes . . . . .	19.2	11.3	13.3	11.8	13.8	18.3	21.0	22.3	23.7	25.2
21–30 cigarettes . . . . .	2.0	*	1.1	1.0	1.1	1.7	2.2	2.9	3.2	3.8
31–40 cigarettes . . . . .	0.7	*	0.3	0.3	0.3	0.5	0.8	0.9	1.2	1.8
41 cigarettes or more . . . . .	0.1	*	0.1	*	0.1	0.1	0.1	0.1	0.2	*
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 . . . . .	51.2	87.0	64.0	69.0	62.3	54.7	47.5	42.7	42.4	41.3
6–10 cigarettes . . . . .	35.2	*	28.3	23.8	29.9	33.6	37.6	39.5	39.0	39.0
11–15 cigarettes . . . . .	2.7	*	1.5	1.7	1.5	2.3	2.9	3.8	3.3	3.5
16–20 cigarettes . . . . .	9.5	*	5.5	5.0	5.7	8.3	10.6	12.0	13.3	13.9
21–30 cigarettes . . . . .	0.9	*	0.4	*	0.5	0.8	0.9	1.2	1.3	*
31–40 cigarettes . . . . .	0.4	*	*	*	*	0.3	0.5	0.7	0.5	*
41 cigarettes or more . . . . .	0.1	*	*	*	*	*	*	*	*	*

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes races other than white and black.<sup>2</sup>Excludes data for Indiana and New York State (but includes New York City), and South Dakota, which did not report average number of cigarettes smoked per day in standard categories.

NOTES: Excludes data for California, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 49 reporting States and the District of Columbia, 2002**

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	40–54 years
Percent smokers														
All origins <sup>1</sup> . . . . .	3,492,369	397,197	3,077,173	17,999	11.4	5.8	16.7	13.4	18.2	16.7	9.9	7.1	7.8	8.4
Hispanic . . . . .	613,581	18,488	592,559	2,534	3.0	1.8	3.7	3.1	4.0	3.7	2.5	2.3	2.8	3.1
Mexican . . . . .	397,119	8,879	386,434	1,806	2.2	1.5	2.6	2.2	2.9	2.6	1.8	1.7	2.3	2.8
Puerto Rican . . . . .	55,435	4,964	50,314	157	9.0	*	8.9	6.8	10.1	10.7	8.6	7.1	7.7	7.0
Cuban . . . . .	13,533	378	13,142	13	2.8	*	5.3	5.8	5.1	4.4	1.9	2.2	2.1	*
Central and South American . . . . .	101,139	1,265	99,626	248	1.3	*	1.9	1.6	2.1	1.5	1.0	0.9	1.3	1.5
Other and unknown Hispanic . . . . .	46,355	3,002	43,043	310	6.5	*	7.6	6.4	8.4	7.8	5.5	5.1	5.4	5.9
Non-Hispanic <sup>2</sup> . . . . .	2,857,908	375,979	2,467,692	14,237	13.2	7.4	21.0	17.5	22.5	20.2	11.4	7.8	8.5	9.1
White . . . . .	2,133,507	317,665	1,805,177	10,665	15.0	18.6	29.4	27.2	30.2	24.6	12.6	8.2	8.8	9.2
Black . . . . .	546,885	47,851	496,583	2,451	8.8	1.9	6.8	4.9	7.9	9.9	8.8	8.0	10.0	11.5

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes origin not stated.

<sup>2</sup>Includes races other than white and black.

NOTES: Excludes data for California, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See "Technical Notes."

**Table 31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution of average number of cigarettes smoked by mothers per day, according to educational attainment and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002**

Smoking measure, and race and Hispanic origin 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 <sup>1</sup>	3,492,369	180,087	525,209	1,086,613	751,010	907,051	42,399
White total <sup>2</sup>	2,746,211	159,696	380,679	817,053	588,731	770,386	29,666
Non-Hispanic white	2,133,507	36,104	219,810	638,201	509,153	714,575	15,664
Black total <sup>2</sup>	561,038	13,563	123,552	219,071	126,718	69,096	9,038
Non-Hispanic black	546,885	12,674	120,692	213,843	123,771	67,443	8,462
Hispanic <sup>3</sup>	613,581	124,460	162,837	181,202	80,062	53,534	11,486
Percent smokers							
Total	11.4	8.3	24.1	15.8	8.7	1.7	11.2
White total <sup>2</sup>	12.3	8.2	26.7	18.2	9.8	1.9	11.9
Non-Hispanic white	15.0	31.2	42.7	22.3	10.9	1.9	18.0
Black total <sup>2</sup>	8.7	10.0	16.8	8.5	5.0	1.2	11.3
Non-Hispanic black	8.8	10.4	17.0	8.6	5.0	1.2	11.3
Hispanic <sup>3</sup>	3.0	1.5	4.7	3.3	2.7	0.9	2.9
All races <sup>1</sup>	Percent distribution <sup>4</sup>						
Smoker.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	74.2	69.3	73.8	73.8	75.6	80.1	74.1
11-20 cigarettes	23.3	26.6	23.3	23.8	22.3	18.2	23.1
21 cigarettes or more	2.6	4.1	2.9	2.5	2.1	1.7	2.9
White total <sup>2</sup>							
Smoker.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	72.1	67.3	70.9	71.8	74.1	79.4	71.2
11-20 cigarettes	25.2	28.2	25.9	25.5	23.7	18.8	25.5
21 cigarettes or more	2.8	4.5	3.2	2.6	2.2	1.8	3.3
Non Hispanic white							
Smoker.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	71.3	64.0	69.7	71.2	73.7	79.2	70.0
11-20 cigarettes	25.9	30.9	27.0	26.1	24.0	19.0	26.6
21 cigarettes or more	2.9	5.1	3.3	2.7	2.2	1.8	3.4
Black total <sup>2</sup>							
Smoker.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	86.4	83.0	86.0	86.8	87.5	89.8	81.4
11-20 cigarettes	12.2	15.6	12.4	12.0	11.4	9.1	17.0
21 cigarettes or more	1.4	*	1.6	1.3	1.0	*	*
Non-Hispanic black							
Smoker.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	86.4	83.0	86.0	86.8	87.5	89.8	81.5
11-20 cigarettes	12.2	15.6	12.4	11.9	11.5	9.1	17.0
21 cigarettes or more	1.4	*	1.6	1.3	1.0	*	*
Hispanic <sup>3</sup>							
Smoker.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	86.3	87.9	87.2	85.7	84.3	85.5	83.4
11-20 cigarettes	12.5	11.3	11.4	13.1	14.7	13.1	15.4
21 cigarettes or more	1.2	*	1.4	1.2	*	*	*

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for Indiana, New York State (but includes New York City), and South Dakota, which did not report average number of cigarettes smoked per day in standard categories.

NOTE: Excludes data for California, which did not require reporting of tobacco use during pregnancy.

**Table 32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2002**

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

Smoking status and race of mother	All ages	Under 15 years	Age of mother							
			15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–54 years
			Total	15–17 years	18–19 years					
All races <sup>1</sup>										
Total . . . . .	8.0	13.8	9.9	10.7	9.5	8.2	7.1	7.4	8.8	11.1
Smoker . . . . .	12.2	12.9	11.5	12.2	11.2	11.0	11.4	13.7	16.7	19.3
Nonsmoker . . . . .	7.5	13.7	9.5	10.5	9.1	7.6	6.6	6.9	8.1	10.3
Not stated . . . . .	10.9	*	13.2	14.9	12.3	10.3	10.0	10.4	10.9	16.5
White total <sup>2</sup>										
Total . . . . .	7.0	12.5	8.4	9.1	8.0	6.9	6.2	6.6	7.8	10.1
Smoker . . . . .	11.0	13.3	10.9	11.6	10.6	10.2	10.4	12.0	14.6	16.9
Nonsmoker . . . . .	6.4	12.3	7.7	8.6	7.3	6.1	5.7	6.1	7.2	9.4
Not stated . . . . .	9.5	*	11.1	13.6	9.8	8.6	8.9	9.5	9.4	15.6
Non-Hispanic white										
Total . . . . .	7.0	12.7	8.5	9.4	8.2	7.0	6.2	6.5	7.7	10.1
Smoker . . . . .	11.0	13.6	10.8	11.5	10.5	10.1	10.3	12.0	14.5	17.1
Nonsmoker . . . . .	6.3	12.4	7.5	8.5	7.2	6.0	5.6	6.0	7.1	9.3
Not stated . . . . .	9.2	*	11.3	14.9	9.5	8.2	8.9	9.2	8.5	15.2
Black total <sup>2</sup>										
Total . . . . .	13.4	15.2	14.0	14.5	13.7	13.0	12.5	13.4	15.3	17.6
Smoker . . . . .	20.1	*	16.9	17.8	16.5	17.1	18.8	25.7	28.7	31.0
Nonsmoker . . . . .	12.7	15.2	13.8	14.3	13.4	12.5	11.8	12.4	13.8	15.9
Not stated . . . . .	18.6	*	21.1	20.8	21.3	17.3	17.8	18.1	19.2	*
Non-Hispanic black										
Total . . . . .	13.5	15.1	14.1	14.6	13.7	13.1	12.6	13.5	15.4	17.7
Smoker . . . . .	20.1	*	17.0	18.1	16.6	17.2	18.8	25.6	28.8	31.1
Nonsmoker . . . . .	12.8	15.1	13.8	14.4	13.5	12.6	11.9	12.5	13.9	16.0
Not stated . . . . .	18.5	*	20.5	21.1	20.1	17.4	18.2	17.8	19.0	*
Hispanic <sup>3</sup>										
Total . . . . .	6.9	12.5	8.2	8.8	7.8	6.5	6.0	6.7	8.4	10.1
Smoker . . . . .	12.2	*	12.3	13.0	12.0	11.2	11.8	13.1	17.1	14.6
Nonsmoker . . . . .	6.7	12.5	8.0	8.7	7.6	6.3	5.9	6.6	8.1	9.9
Not stated . . . . .	9.6	*	12.1	*	12.4	8.8	8.4	9.5	11.7	*

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, 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, 2002**

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				
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	Not stated	1st trimester	Late or no care
All races <sup>1</sup>	4,021,726	3,301,186	2,557,791	743,395	499,014	142,430	103,323	39,107	79,096	83.7	3.6
Under 15 years	7,315	3,396	2,110	1,286	2,614	1,042	764	278	263	48.2	14.8
15-19 years	425,493	290,790	199,445	91,345	96,864	27,573	20,198	7,375	10,266	70.0	6.6
15 years	18,703	10,349	6,612	3,737	5,774	1,985	1,471	514	595	57.2	11.0
16 years	43,147	26,550	17,303	9,247	11,884	3,512	2,600	912	1,201	63.3	8.4
17 years	76,881	50,977	34,280	16,697	18,669	5,354	3,905	1,449	1,881	68.0	7.1
18 years	118,651	82,284	56,482	25,802	26,348	7,325	5,329	1,996	2,694	71.0	6.3
19 years	168,111	120,630	84,768	35,862	34,189	9,397	6,893	2,504	3,895	73.5	5.7
20-24 years	1,022,106	786,656	581,528	205,128	167,285	46,539	34,005	12,534	21,626	78.6	4.7
25-29 years	1,060,391	898,647	708,929	189,718	111,438	31,219	22,878	8,341	19,087	86.3	3.0
30-34 years	951,219	839,344	679,553	159,791	73,659	21,613	15,631	5,982	16,603	89.8	2.3
35-39 years	453,927	397,004	319,130	77,874	36,847	11,178	7,635	3,543	8,898	89.2	2.5
40 years and over	101,275	85,349	67,096	18,253	10,307	3,266	2,212	1,054	2,353	86.3	3.3
White total <sup>2</sup>	3,174,760	2,664,117	2,078,838	585,279	357,575	96,924	71,672	25,252	56,144	85.4	3.1
Under 15 years	3,884	1,998	1,256	742	1,276	476	347	129	134	53.3	12.7
15-19 years	305,988	216,395	149,340	67,055	64,780	17,983	13,344	4,639	6,830	72.3	6.0
15 years	11,665	6,896	4,460	2,436	3,315	1,094	823	271	360	61.0	9.7
16 years	29,501	19,070	12,499	6,571	7,443	2,236	1,675	561	752	66.3	7.8
17 years	54,698	37,583	25,610	11,973	12,349	3,503	2,568	935	1,263	70.3	6.6
18 years	85,957	61,434	42,356	19,078	17,886	4,864	3,581	1,283	1,773	73.0	5.8
19 years	124,167	91,412	64,415	26,997	23,787	6,286	4,697	1,589	2,682	75.2	5.2
20-24 years	783,000	615,512	457,079	158,433	120,170	32,059	23,908	8,151	15,259	80.2	4.2
25-29 years	851,142	733,505	581,600	151,905	82,079	21,839	16,223	5,616	13,719	87.6	2.6
30-34 years	779,535	698,230	568,592	129,638	54,371	14,917	11,066	3,851	12,017	91.0	1.9
35-39 years	369,833	328,654	265,598	63,056	27,259	7,422	5,222	2,200	6,498	90.5	2.0
40 years and over	81,378	69,823	55,373	14,450	7,640	2,228	1,562	666	1,687	87.6	2.8
Non-Hispanic white	2,298,156	2,006,365	1,593,447	412,918	206,537	50,563	37,992	12,571	34,691	88.6	2.2
Under 15 years	1,493	809	498	311	455	179	144	35	50	56.1	12.4
15-19 years	179,511	133,567	92,707	40,860	34,421	8,110	6,286	1,824	3,413	75.8	4.6
15 years	5,130	3,144	2,041	1,103	1,409	442	343	99	135	62.9	8.8
16 years	14,421	9,805	6,447	3,358	3,393	924	727	197	299	69.4	6.5
17 years	30,205	21,941	14,975	6,966	6,202	1,470	1,134	336	592	74.1	5.0
18 years	51,196	38,392	26,524	11,868	9,698	2,194	1,682	512	912	76.4	4.4
19 years	78,559	60,285	42,720	17,565	13,719	3,080	2,400	680	1,475	78.2	4.0
20-24 years	519,153	424,747	319,520	105,227	69,386	16,296	12,406	3,890	8,724	83.2	3.2
25-29 years	614,909	549,718	443,530	106,188	45,652	11,210	8,450	2,760	8,329	90.6	1.8
30-34 years	620,173	569,651	470,050	99,601	33,554	8,650	6,424	2,226	8,318	93.1	1.4
35-39 years	297,436	270,359	221,042	49,317	17,820	4,617	3,229	1,388	4,640	92.3	1.6
40 years and over	65,481	57,514	46,100	11,414	5,249	1,501	1,053	448	1,217	89.5	2.3
Black total <sup>2</sup>	593,691	434,083	323,778	110,305	107,393	35,768	23,756	12,012	16,447	75.2	6.2
Under 15 years	3,188	1,305	811	494	1,249	525	388	137	109	42.4	17.1
15-19 years	103,795	65,174	44,207	20,967	27,493	8,200	5,748	2,452	2,928	64.6	8.1
15 years	6,336	3,132	1,970	1,162	2,212	790	576	214	202	51.1	12.9
16 years	12,142	6,709	4,321	2,388	3,905	1,121	797	324	407	57.2	9.6
17 years	19,411	11,844	7,714	4,130	5,474	1,592	1,126	466	501	62.6	8.4
18 years	28,266	18,240	12,471	5,769	7,137	2,100	1,463	637	789	66.4	7.6
19 years	37,640	25,249	17,731	7,518	8,765	2,597	1,786	811	1,029	69.0	7.1
20-24 years	194,704	139,552	102,164	37,388	38,190	11,841	8,000	3,841	5,121	73.6	6.2
25-29 years	136,591	105,648	81,455	24,193	20,495	6,868	4,586	2,282	3,580	79.4	5.2
30-34 years	95,006	75,621	59,077	16,544	11,927	4,699	2,925	1,774	2,759	82.0	5.1
35-39 years	48,388	37,801	29,314	8,487	6,249	2,824	1,638	1,186	1,514	80.6	6.0
40 years and over	12,019	8,982	6,750	2,232	1,790	811	471	340	436	77.5	7.0

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, 2002—Con.**

Age and race and Hispanic origin of mother		Month of pregnancy prenatal care began								Percent	
		1st trimester			2d trimester		Late or no care				
		All births	Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	Not stated	1st trimester
Non-Hispanic black . . . . .	578,335	423,012	315,462	107,550	104,923	34,940	23,085	11,855	15,460	75.2	6.2
Under 15 years . . . . .	3,132	1,285	796	489	1,226	518	383	135	103	42.4	17.1
15–19 years . . . . .	101,494	63,745	43,230	20,515	26,934	8,012	5,601	2,411	2,803	64.6	8.1
15 years . . . . .	6,191	3,070	1,938	1,132	2,154	773	561	212	194	51.2	12.9
16 years . . . . .	11,846	6,545	4,205	2,340	3,818	1,092	773	319	391	57.1	9.5
17 years . . . . .	18,980	11,575	7,535	4,040	5,375	1,548	1,091	457	482	62.6	8.4
18 years . . . . .	27,656	17,846	12,195	5,651	7,004	2,050	1,425	625	756	66.3	7.6
19 years . . . . .	36,821	24,709	17,357	7,352	8,583	2,549	1,751	798	980	68.9	7.1
20–24 years . . . . .	190,241	136,456	99,882	36,574	37,354	11,578	7,791	3,787	4,853	73.6	6.2
25–29 years . . . . .	132,824	102,801	79,281	23,520	19,985	6,700	4,446	2,254	3,338	79.4	5.2
30–34 years . . . . .	92,155	73,422	57,354	16,068	11,610	4,586	2,833	1,753	2,537	81.9	5.1
35–39 years . . . . .	46,831	36,598	28,374	8,224	6,070	2,756	1,581	1,175	1,407	80.6	6.1
40 years and over . . . . .	11,658	8,705	6,545	2,160	1,744	790	450	340	419	77.5	7.0
Hispanic <sup>3</sup> . . . . .	876,642	657,240	484,277	172,963	152,458	46,691	34,096	12,595	20,253	76.7	5.5
Under 15 years . . . . .	2,421	1,199	765	434	838	304	210	94	80	51.2	13.0
15–19 years . . . . .	127,900	83,778	57,259	26,519	30,804	10,007	7,184	2,823	3,311	67.2	8.0
15 years . . . . .	6,647	3,820	2,458	1,362	1,956	657	484	173	214	59.4	10.2
16 years . . . . .	15,321	9,410	6,147	3,263	4,133	1,331	968	363	447	63.3	8.9
17 years . . . . .	24,772	15,821	10,759	5,062	6,224	2,074	1,468	606	653	65.6	8.6
18 years . . . . .	35,123	23,310	16,014	7,296	8,291	2,690	1,926	764	832	68.0	7.8
19 years . . . . .	46,037	31,417	21,881	9,536	10,200	3,255	2,338	917	1,165	70.0	7.3
20–24 years . . . . .	265,235	191,770	138,183	53,587	51,287	15,895	11,642	4,253	6,283	74.1	6.1
25–29 years . . . . .	236,143	183,604	137,774	45,830	36,701	10,679	7,841	2,838	5,159	79.5	4.6
30–34 years . . . . .	157,887	127,245	97,358	29,887	20,957	6,285	4,687	1,598	3,400	82.4	4.1
35–39 years . . . . .	71,480	57,583	43,898	13,685	9,464	2,802	2,015	787	1,631	82.4	4.0
40 years and over . . . . .	15,576	12,061	9,040	3,021	2,407	719	517	202	389	79.4	4.7

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.

**Table 34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care, by race and Hispanic origin of mother: United States, each State and territory, 2002**

[By place of residence]

State	Percent beginning care in first trimester						Percent late <sup>1</sup> or no care					
	All races <sup>2</sup>	White		Black		Hispanic <sup>4</sup>	All races <sup>2</sup>	White		Black		Hispanic <sup>4</sup>
		Total <sup>3</sup>	Non-Hispanic	Total <sup>3</sup>	Non-Hispanic			Total <sup>3</sup>	Non-Hispanic	Total <sup>3</sup>	Non-Hispanic	
United States <sup>5</sup> . . . . .	83.7	85.4	88.6	75.2	75.2	76.7	3.6	3.1	2.2	6.2	6.2	5.5
Alabama . . . . .	83.3	87.7	90.0	73.6	73.6	53.9	3.8	2.9	1.8	5.7	5.7	19.0
Alaska . . . . .	80.3	84.2	83.5	83.9	84.6	76.8	4.6	3.8	3.8	*	*	5.9
Arizona . . . . .	76.5	77.1	87.2	76.4	77.4	66.7	6.6	6.5	2.7	5.5	5.1	10.4
Arkansas . . . . .	79.6	82.1	83.7	70.5	70.4	68.4	4.9	4.2	3.6	7.5	7.5	9.4
California . . . . .	86.4	86.6	90.4	83.0	83.0	84.1	2.6	2.6	1.8	3.4	3.4	3.1
Colorado . . . . .	79.1	79.5	86.2	70.2	70.7	65.9	4.5	4.4	2.7	7.3	7.0	7.9
Connecticut . . . . .	88.3	89.3	92.2	81.7	82.1	77.0	2.0	1.8	1.3	3.5	3.5	3.8
Delaware . . . . .	87.1	88.5	91.1	82.3	82.3	75.2	3.5	2.9	2.3	5.7	5.6	5.9
District of Columbia . . . . .	76.4	85.1	90.8	70.5	70.6	73.5	7.4	3.7	1.9	10.0	9.8	7.9
Florida . . . . .	85.4	87.8	89.8	77.1	77.0	83.7	2.9	2.3	1.9	4.9	5.0	3.3
Georgia . . . . .	84.7	87.3	90.5	79.1	78.9	73.6	3.4	2.9	1.9	4.5	4.6	7.1
Hawaii . . . . .	83.9	88.4	89.1	94.2	94.7	82.5	3.5	2.5	2.2	*	*	3.2
Idaho . . . . .	82.1	82.3	84.3	81.8	81.3	70.2	3.4	3.3	2.8	*	*	6.4
Illinois . . . . .	84.9	87.2	90.8	74.3	74.2	78.4	2.9	2.1	1.6	6.7	6.7	3.5
Indiana . . . . .	81.4	82.9	84.5	69.6	69.7	65.1	3.5	3.0	2.6	7.1	7.1	7.9
Iowa . . . . .	88.8	89.3	90.4	78.1	78.3	74.7	2.2	2.0	1.8	5.5	5.4	5.6
Kansas . . . . .	86.8	87.5	90.0	79.6	79.6	72.3	2.8	2.5	1.9	5.0	5.0	6.6
Kentucky . . . . .	86.8	87.5	88.0	80.8	80.7	72.6	2.5	2.3	2.1	4.4	4.4	6.6
Louisiana . . . . .	83.8	90.4	90.7	74.7	74.7	83.3	3.6	1.7	1.7	6.1	6.1	3.4
Maine . . . . .	87.9	88.2	88.3	73.0	72.5	83.2	1.6	1.6	1.5	*	*	*
Maryland . . . . .	84.1	88.1	90.8	76.5	76.5	70.6	3.6	2.3	1.8	6.2	6.2	5.9
Massachusetts . . . . .	89.9	91.4	92.7	80.7	79.2	82.9	2.0	1.5	1.3	5.1	5.6	3.0
Michigan . . . . .	85.6	88.6	89.4	71.3	71.2	77.4	3.5	2.5	2.4	7.9	7.9	4.7
Minnesota . . . . .	85.5	88.0	89.8	70.1	70.1	68.0	2.3	1.7	1.4	6.2	6.3	5.8
Mississippi . . . . .	83.8	90.1	90.7	76.1	76.1	74.7	3.1	1.8	1.6	4.6	4.6	6.6
Missouri . . . . .	87.8	89.3	89.9	79.7	79.7	78.1	2.7	2.1	2.0	5.6	5.6	4.8
Montana . . . . .	83.7	86.1	86.4	70.3	68.8	79.4	2.8	1.9	1.8	*	*	*
Nebraska . . . . .	83.4	84.5	87.0	70.6	70.4	69.2	3.1	2.8	2.1	6.0	6.1	6.8
Nevada . . . . .	75.9	76.2	85.3	70.6	70.5	63.4	7.1	7.0	4.0	8.6	8.6	11.1
New Hampshire . . . . .	91.5	91.8	92.2	80.4	79.7	84.8	1.4	1.4	1.3	*	*	*
New Jersey . . . . .	80.3	83.6	89.0	64.0	63.8	68.7	4.9	3.7	2.4	11.0	11.3	7.1
New Mexico . . . . .	69.0	70.4	76.8	68.5	68.6	66.4	7.9	7.4	5.0	7.9	8.1	8.8
New York . . . . .	81.6	84.5	88.2	72.1	71.9	75.0	4.7	3.7	2.8	8.4	8.5	5.9
North Carolina . . . . .	84.3	87.3	90.9	75.5	75.5	70.2	2.9	2.2	1.4	5.1	5.1	6.1
North Dakota . . . . .	86.1	88.6	88.9	82.2	81.6	83.6	2.7	1.9	1.8	*	*	*
Ohio . . . . .	87.8	89.3	89.8	78.9	78.9	78.0	2.9	2.3	2.2	6.2	6.2	5.1
Oklahoma . . . . .	76.8	78.6	80.8	69.4	69.3	63.6	5.4	4.9	4.4	7.5	7.5	8.3
Oregon . . . . .	81.6	81.9	84.6	76.0	75.8	71.4	3.8	3.7	3.2	4.5	4.5	5.5
Pennsylvania . . . . .	84.6	86.9	88.0	71.0	71.1	72.4	3.5	2.8	2.5	7.8	7.8	5.7
Rhode Island . . . . .	89.6	91.0	92.4	79.9	79.2	86.1	1.5	1.2	1.0	3.4	3.2	2.1
South Carolina . . . . .	78.4	82.5	84.7	70.3	70.3	60.4	4.7	3.4	2.7	7.1	7.1	10.4
South Dakota . . . . .	77.7	81.8	82.4	61.2	61.2	64.8	4.4	2.7	2.4	*	*	10.8
Tennessee . . . . .	82.8	85.7	87.8	72.3	72.3	58.7	3.9	2.9	2.2	7.5	7.5	12.2
Texas . . . . .	80.5	80.6	87.8	76.7	76.7	75.1	5.0	5.0	2.8	5.8	5.8	6.6
Utah . . . . .	79.5	80.5	83.6	59.7	58.4	62.4	4.9	4.5	3.6	14.2	15.1	9.5
Vermont . . . . .	88.9	89.0	89.2	71.8	71.1	81.3	1.7	1.6	1.5	*	*	*
Virginia . . . . .	85.2	87.9	90.7	76.6	76.6	70.1	3.5	2.7	2.0	5.9	5.9	7.5
Washington . . . . .	83.4	83.9	86.0	78.1	77.8	74.2	3.1	2.9	2.4	4.6	4.5	5.2
West Virginia . . . . .	85.9	86.3	86.4	75.6	75.5	75.0	2.2	2.1	2.0	4.4	4.4	*
Wisconsin . . . . .	84.3	86.6	88.2	71.4	71.4	69.4	3.2	2.6	2.2	7.3	7.4	6.3
Wyoming . . . . .	84.9	85.4	86.0	79.2	78.8	79.4	2.9	2.6	2.6	*	*	3.5
Puerto Rico . . . . .	81.2	81.9	---	75.0	---	---	2.8	2.7	---	4.5	---	---
Virgin Islands . . . . .	64.0	63.5	77.1	63.7	63.5	59.8	10.5	11.7	*	10.1	9.6	13.3
Guam . . . . .	61.2	87.6	89.1	90.0	89.5	73.6	12.7	*	*	*	*	*
American Samoa . . . . .	---	---	---	---	---	---	---	---	---	---	---	---
Northern Marianas . . . . .	30.4	*	---	*	---	---	24.4	*	---	*	---	---

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

<sup>1</sup>Care beginning in 3d trimester.<sup>2</sup>Includes races other than white and black and origin not stated.<sup>3</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>4</sup>Includes all persons of Hispanic origin of any race.<sup>5</sup>Excludes data for the territories.

**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, 2002**

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							
		1st trimester			2d trimester		Late or no care		
		Total	1st and 2d months	3d month	4th–6th months	Total	7th–9th months	No care	Not stated
All races <sup>1</sup>	4,021,726	3,301,186	2,557,791	743,395	499,014	142,430	103,323	39,107	79,096
No visits	39,107	...	...	...	...	39,107	...	39,107	...
1–2 visits	41,246	11,385	7,585	3,800	9,852	18,404	18,404	...	1,605
3–4 visits	83,624	25,629	15,240	10,389	29,711	26,313	26,313	...	1,971
5–6 visits	182,825	82,083	48,702	33,381	72,569	25,345	25,345	...	2,828
7–8 visits	342,539	215,983	135,372	80,611	108,152	14,778	14,778	...	3,626
9–10 visits	789,703	636,162	437,214	198,948	137,630	8,810	8,810	...	7,101
11–12 visits	1,058,720	972,170	756,643	215,527	78,129	3,837	3,837	...	4,584
13–14 visits	659,936	627,664	522,947	104,717	28,222	1,608	1,608	...	2,442
15–16 visits	468,001	447,167	389,775	57,392	17,972	1,216	1,216	...	1,646
17–18 visits	102,974	98,766	84,906	13,860	3,526	247	247	...	435
19 visits or more	146,413	139,616	124,017	15,599	5,635	429	429	...	733
Not stated	106,638	44,561	35,390	9,171	7,616	2,336	2,336	...	52,125
Median number of visits	12.2	12.5	12.8	11.5	9.5	5.4	5.4	...	10.3
White total <sup>2</sup>	3,174,760	2,664,117	2,078,838	585,279	357,575	96,924	71,672	25,252	56,144
No visits	25,252	...	...	...	...	25,252	...	25,252	...
1–2 visits	27,306	7,952	5,361	2,591	6,179	12,135	12,135	...	1,040
3–4 visits	55,943	17,259	10,344	6,915	19,309	17,980	17,980	...	1,395
5–6 visits	128,308	59,188	35,143	24,045	49,532	17,628	17,628	...	1,960
7–8 visits	257,423	166,502	104,914	61,588	77,628	10,523	10,523	...	2,770
9–10 visits	614,820	503,945	348,279	155,666	100,111	6,326	6,326	...	4,438
11–12 visits	861,082	796,219	622,870	173,349	58,366	2,908	2,908	...	3,589
13–14 visits	544,972	520,399	434,839	85,560	21,374	1,244	1,244	...	1,955
15–16 visits	380,123	364,605	318,581	46,024	13,306	926	926	...	1,286
17–18 visits	83,803	80,675	69,913	10,762	2,603	179	179	...	346
19 visits or more	118,402	113,565	101,549	12,016	3,986	303	303	...	548
Not stated	77,326	33,808	27,045	6,763	5,181	1,520	1,520	...	36,817
Median number of visits	12.3	12.6	12.8	11.6	9.6	5.5	5.5	...	10.3
Non-Hispanic white	2,298,156	2,006,365	1,593,447	412,918	206,537	50,563	37,992	12,571	34,691
No visits	12,571	...	...	...	...	12,571	...	12,571	...
1–2 visits	13,709	4,041	2,817	1,224	2,955	6,129	6,129	...	584
3–4 visits	30,281	10,498	6,436	4,062	10,029	8,963	8,963	...	791
5–6 visits	76,062	39,205	24,128	15,077	26,609	9,006	9,006	...	1,242
7–8 visits	168,867	117,287	76,134	41,153	43,994	5,729	5,729	...	1,857
9–10 visits	426,212	361,528	256,220	105,308	57,920	3,686	3,686	...	3,078
11–12 visits	659,377	618,155	490,646	127,509	36,755	1,879	1,879	...	2,588
13–14 visits	425,524	409,085	343,798	65,287	14,085	859	859	...	1,495
15–16 visits	282,596	273,618	240,904	32,714	7,393	614	614	...	971
17–18 visits	65,607	63,432	55,287	8,145	1,761	126	126	...	288
19 visits or more	91,752	88,594	79,824	8,770	2,540	201	201	...	417
Not stated	45,598	20,922	17,253	3,669	2,496	800	800	...	21,380
Median number of visits	12.5	12.6	12.8	11.8	9.8	5.7	5.7	...	10.6
Black total <sup>2</sup>	593,691	434,083	323,778	110,305	107,393	35,768	23,756	12,012	16,447
No visits	12,012	...	...	...	...	12,012	...	12,012	...
1–2 visits	11,048	2,811	1,804	1,007	2,967	4,825	4,825	...	445
3–4 visits	21,552	6,608	3,888	2,720	8,163	6,342	6,342	...	439
5–6 visits	40,908	16,925	10,165	6,760	17,495	5,816	5,816	...	672
7–8 visits	60,063	33,584	20,515	13,069	22,736	3,119	3,119	...	624
9–10 visits	122,496	90,099	60,195	29,904	28,319	1,810	1,810	...	2,268
11–12 visits	129,196	113,224	84,942	28,282	14,647	647	647	...	678
13–14 visits	77,796	72,042	58,755	13,287	5,160	250	250	...	344
15–16 visits	61,955	57,732	49,592	8,140	3,756	218	218	...	249
17–18 visits	13,809	12,958	10,572	2,386	747	39	39	...	65
19 visits or more	21,185	19,598	16,782	2,816	1,366	94	94	...	127
Not stated	21,671	8,502	6,568	1,934	2,037	596	596	...	10,536
Median number of visits	11.6	12.4	12.6	11.1	9.1	5.1	5.1	...	10.2

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, 2002—Con.**

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							
		1st trimester			2d trimester		Late or no care		
		Total	1st and 2d months	3d month	4th–6th months	Total	7th–9th months	No care	Not stated
Non-Hispanic black. . . . .	578,335	423,012	315,462	107,550	104,923	34,940	23,085	11,855	15,460
No visits. . . . .	11,855	...	...	...	...	11,855	...	11,855	...
1–2 visits. . . . .	10,819	2,748	1,765	983	2,905	4,734	4,734	...	432
3–4 visits. . . . .	21,050	6,460	3,815	2,645	8,005	6,161	6,161	...	424
5–6 visits. . . . .	39,958	16,516	9,935	6,581	17,132	5,658	5,658	...	652
7–8 visits. . . . .	58,482	32,717	19,967	12,750	22,153	3,001	3,001	...	611
9–10 visits. . . . .	118,764	87,504	58,364	29,140	27,683	1,739	1,739	...	1,838
11–12 visits. . . . .	125,537	110,022	82,466	27,556	14,260	623	623	...	632
13–14 visits. . . . .	75,879	70,286	57,364	12,922	5,018	241	241	...	334
15–16 visits. . . . .	60,749	56,624	48,633	7,991	3,675	213	213	...	237
17–18 visits. . . . .	13,513	12,674	10,333	2,341	738	37	37	...	64
19 visits or more. . . . .	20,789	19,225	16,460	2,765	1,349	91	91	...	124
Not stated. . . . .	20,940	8,236	6,360	1,876	2,005	587	587	...	10,112
Median number of visits. . . . .	11.6	12.4	12.6	11.1	9.1	5.1	5.1	...	10.1
Hispanic <sup>3</sup> . . . . .	876,642	657,240	484,277	172,963	152,458	46,691	34,096	12,595	20,253
No visits. . . . .	12,595	...	...	...	...	12,595	...	12,595	...
1–2 visits. . . . .	13,733	3,939	2,561	1,378	3,280	6,061	6,061	...	453
3–4 visits. . . . .	25,994	6,841	3,934	2,907	9,388	9,160	9,160	...	605
5–6 visits. . . . .	52,763	20,147	11,082	9,065	23,171	8,742	8,742	...	703
7–8 visits. . . . .	89,332	49,503	28,936	20,567	34,042	4,884	4,884	...	903
9–10 visits. . . . .	190,202	143,217	92,552	50,665	42,587	2,681	2,681	...	1,717
11–12 visits. . . . .	201,780	177,962	132,054	45,908	21,775	1,028	1,028	...	1,015
13–14 visits. . . . .	119,226	111,064	90,785	20,279	7,339	379	379	...	444
15–16 visits. . . . .	96,764	90,199	76,944	13,255	5,951	306	306	...	308
17–18 visits. . . . .	18,187	17,234	14,612	2,622	844	54	54	...	55
19 visits or more. . . . .	26,285	24,626	21,374	3,252	1,440	99	99	...	120
Not stated. . . . .	29,781	12,508	9,443	3,065	2,641	702	702	...	13,930
Median number of visits. . . . .	11.7	12.4	12.7	11.0	9.3	5.3	5.3	...	10.0

... Category not applicable.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.

**Table 36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 2002**

[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 <sup>1</sup>	Obstetric procedure reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	
All races <sup>3</sup>										
Amniocentesis . . . . .	4,021,726	79,035	19.7	5.2	6.5	8.7	15.4	77.4	112.3	14,816
Electronic fetal monitoring . . . . .	4,021,726	3,413,557	851.9	865.6	859.5	853.3	846.4	835.8	826.1	14,816
Induction of labor . . . . .	4,021,726	826,161	206.2	201.2	209.3	213.7	205.2	192.7	187.3	14,816
Stimulation of labor . . . . .	4,021,726	693,548	173.1	192.9	181.6	175.5	165.8	151.8	140.3	14,816
Tocolysis . . . . .	4,021,726	83,695	20.9	23.4	22.7	20.8	19.3	18.3	18.6	14,816
Ultrasound . . . . .	4,021,726	2,707,007	675.6	642.3	661.0	678.8	693.7	692.8	685.3	14,816
White										
Amniocentesis . . . . .	3,174,760	64,891	20.5	5.2	6.6	8.6	15.6	79.5	117.6	11,743
Electronic fetal monitoring . . . . .	3,174,760	2,697,901	853.0	865.0	859.8	855.0	848.8	837.8	827.3	11,743
Induction of labor . . . . .	3,174,760	685,153	216.6	210.8	221.1	224.4	215.3	201.9	193.4	11,743
Stimulation of labor . . . . .	3,174,760	553,122	174.9	196.8	184.8	177.2	167.1	153.6	142.8	11,743
Tocolysis . . . . .	3,174,760	66,386	21.0	24.1	22.9	20.9	19.5	18.1	18.3	11,743
Ultrasound . . . . .	3,174,760	2,168,878	685.7	656.4	673.3	686.9	700.9	700.3	693.0	11,743
Black										
Amniocentesis . . . . .	593,691	7,133	12.0	5.3	6.2	8.7	13.3	44.3	64.7	1,337
Electronic fetal monitoring . . . . .	593,691	508,334	858.2	872.1	864.6	854.5	846.4	840.9	833.6	1,337
Induction of labor . . . . .	593,691	103,057	174.0	178.9	173.2	177.0	170.4	165.0	172.9	1,337
Stimulation of labor . . . . .	593,691	95,512	161.2	183.7	169.4	156.9	145.1	133.3	119.7	1,337
Tocolysis . . . . .	593,691	12,056	20.4	20.2	20.8	20.6	19.6	19.8	19.5	1,337
Ultrasound . . . . .	593,691	367,325	620.1	601.2	612.2	628.2	636.8	635.6	631.1	1,337

<sup>1</sup>Total number of births to residents of areas reporting specified obstetric procedures.<sup>2</sup>No response reported for the obstetric procedures item.<sup>3</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 37. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother: United States, 2002**

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

Complication and race of mother	All births <sup>1</sup>	Complication reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	
All races <sup>3</sup>										
Febrile. . . . .	4,021,726	60,960	15.2	19.9	15.9	15.2	14.5	11.8	11.1	19,572
Meconium, moderate/heavy . . . . .	4,021,726	200,408	50.1	57.2	51.4	48.9	47.6	48.3	50.6	19,572
Premature rupture of membrane . . . . .	4,021,726	92,550	23.1	24.1	21.9	22.2	23.6	24.9	28.5	19,572
Abruptio placenta . . . . .	4,021,726	21,409	5.3	5.3	5.1	5.0	5.4	6.4	7.7	19,572
Placenta previa . . . . .	4,021,726	13,356	3.3	1.1	1.8	2.8	4.5	6.4	9.1	19,572
Other excessive bleeding . . . . .	4,021,726	24,137	6.0	5.9	5.6	5.7	6.3	6.9	8.3	19,572
Seizures during labor. . . . .	4,021,726	1,297	0.3	0.7	0.4	0.2	0.2	0.3	0.3	19,572
Precipitous labor. . . . .	4,021,726	73,359	18.3	12.8	17.3	18.3	20.1	21.8	20.3	19,572
Prolonged labor . . . . .	4,021,726	28,113	7.0	8.1	7.1	6.9	6.8	6.7	6.6	19,572
Dysfunctional labor . . . . .	4,021,726	114,479	28.6	29.9	27.4	28.3	28.9	29.3	32.1	19,572
Breech/Malpresentation. . . . .	4,021,726	152,425	38.1	28.1	30.5	37.0	44.2	49.8	58.7	19,572
Cephalopelvic disproportion . . . . .	4,021,726	63,240	15.8	16.8	14.8	16.1	16.2	15.6	15.8	19,572
Cord prolapse . . . . .	4,021,726	6,941	1.7	1.3	1.5	1.6	1.9	2.3	2.6	19,572
Anesthetic complication <sup>4</sup> . . . . .	3,649,276	2,354	0.6	0.5	0.6	0.6	0.7	0.8	0.9	22,204
Fetal distress <sup>4</sup> . . . . .	3,649,276	140,074	38.6	43.4	38.3	36.6	37.2	40.4	47.3	22,204
White										
Febrile. . . . .	3,174,760	46,285	14.7	19.7	15.7	14.6	13.7	11.4	10.3	15,519
Meconium, moderate/heavy . . . . .	3,174,760	147,500	46.7	52.3	47.8	45.7	44.8	45.5	48.1	15,519
Premature rupture of membrane . . . . .	3,174,760	70,750	22.4	23.0	21.0	21.6	23.0	24.2	28.1	15,519
Abruptio placenta . . . . .	3,174,760	16,245	5.1	5.1	4.8	4.8	5.2	6.0	7.3	15,519
Placenta previa . . . . .	3,174,760	10,294	3.3	1.1	1.8	2.8	4.3	5.9	8.6	15,519
Other excessive bleeding . . . . .	3,174,760	19,239	6.1	6.2	5.9	5.7	6.3	6.7	8.0	15,519
Seizures during labor. . . . .	3,174,760	914	0.3	0.6	0.4	0.2	0.2	0.3	*	15,519
Precipitous labor. . . . .	3,174,760	57,191	18.1	11.7	16.7	18.0	20.1	21.9	20.3	15,519
Prolonged labor . . . . .	3,174,760	22,862	7.2	8.5	7.5	7.1	6.9	6.8	6.9	15,519
Dysfunctional labor . . . . .	3,174,760	90,497	28.6	30.0	27.7	28.3	28.9	29.0	31.7	15,519
Breech/Malpresentation. . . . .	3,174,760	124,541	39.4	29.6	31.6	38.1	45.3	50.4	59.7	15,519
Cephalopelvic disproportion . . . . .	3,174,760	51,124	16.2	17.6	15.5	16.5	16.3	15.6	15.8	15,519
Cord prolapse . . . . .	3,174,760	5,445	1.7	1.3	1.4	1.6	1.9	2.3	2.5	15,519
Anesthetic complication <sup>4</sup> . . . . .	2,857,610	1,884	0.7	0.5	0.6	0.6	0.7	0.8	1.0	17,743
Fetal distress <sup>4</sup> . . . . .	2,857,610	104,231	36.7	41.0	36.5	34.6	35.8	38.7	44.5	17,743
Black										
Febrile. . . . .	593,691	9,013	15.2	20.1	15.9	13.5	13.6	10.7	11.0	1,906
Meconium, moderate/heavy . . . . .	593,691	39,941	67.5	71.3	65.5	66.3	67.6	69.8	69.3	1,906
Premature rupture of membrane . . . . .	593,691	15,458	26.1	26.4	24.5	24.9	28.2	29.8	32.4	1,906
Abruptio placenta . . . . .	593,691	3,948	6.7	6.0	6.1	6.4	7.4	9.1	9.5	1,906
Placenta previa . . . . .	593,691	1,842	3.1	1.0	2.0	3.1	4.9	7.3	9.3	1,906
Other excessive bleeding . . . . .	593,691	2,646	4.5	3.9	3.6	4.4	5.4	6.3	8.6	1,906
Seizures during labor. . . . .	593,691	300	0.5	1.0	0.4	0.4	0.4	0.5	*	1,906
Precipitous labor. . . . .	593,691	11,373	19.2	14.8	18.9	20.6	21.2	21.9	21.2	1,906
Prolonged labor . . . . .	593,691	3,189	5.4	6.6	5.1	5.1	5.1	5.5	5.3	1,906
Dysfunctional labor . . . . .	593,691	15,555	26.3	28.5	25.1	25.2	26.7	27.6	29.3	1,906
Breech/Malpresentation. . . . .	593,691	18,370	31.0	23.5	25.9	31.3	38.9	47.2	50.6	1,906
Cephalopelvic disproportion . . . . .	593,691	7,081	12.0	14.8	11.7	11.1	11.2	11.2	9.7	1,906
Cord prolapse . . . . .	593,691	1,087	1.8	1.5	1.6	1.9	2.2	2.4	3.3	1,906
Anesthetic complication <sup>4</sup> . . . . .	552,049	326	0.6	0.5	0.5	0.6	0.6	0.9	*	2,270
Fetal distress <sup>4</sup> . . . . .	552,049	26,571	48.3	50.1	45.5	46.9	49.0	54.3	64.2	2,270

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Total number of births to residents of areas reporting specified complication.<sup>2</sup>No response reported for the complications item.<sup>3</sup>Includes races other than white and black.<sup>4</sup>Texas does not report this complication.

NOTES: Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2002**

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 <sup>1</sup>									
Total . . . . .	4,021,726	3,675,430	3,500,255	175,175	325,235	307,527	17,708	20,033	1,028
In hospital <sup>2</sup> . . . . .	3,986,190	3,671,505	3,496,970	174,535	303,071	298,073	4,998	11,084	530
Not in hospital . . . . .	35,416	3,890	3,252	638	22,142	9,437	12,705	8,906	478
Freestanding birthing center . . . . .	9,683	1,040	658	382	8,415	5,689	2,726	221	7
Clinic or doctor's office . . . . .	385	196	184	12	114	50	64	75	—
Residence . . . . .	22,980	1,978	1,771	207	13,154	3,475	9,679	7,503	345
Other . . . . .	2,368	676	639	37	459	223	236	1,107	126
Not specified . . . . .	120	35	33	2	22	17	5	43	20
White total <sup>3</sup>									
Total . . . . .	3,174,760	2,897,429	2,747,527	149,902	260,665	244,223	16,442	15,964	702
In hospital <sup>2</sup> . . . . .	3,143,215	2,894,518	2,745,214	149,304	239,717	235,508	4,209	8,627	353
Not in hospital . . . . .	31,462	2,888	2,291	597	20,929	8,701	12,228	7,313	332
Freestanding birthing center . . . . .	8,991	1,010	628	382	7,771	5,216	2,555	206	4
Clinic or doctor's office . . . . .	330	161	149	12	111	47	64	58	—
Residence . . . . .	20,458	1,328	1,150	178	12,627	3,251	9,376	6,251	252
Other . . . . .	1,683	389	364	25	420	187	233	798	76
Not specified . . . . .	83	23	22	1	19	14	5	24	17
Non-Hispanic white									
Total . . . . .	2,298,156	2,110,332	1,990,524	119,808	175,818	161,824	13,994	11,533	473
In hospital <sup>2</sup> . . . . .	2,270,789	2,107,809	1,988,575	119,234	157,381	154,075	3,306	5,354	245
Not in hospital . . . . .	27,316	2,515	1,942	573	18,418	7,735	10,683	6,164	219
Freestanding birthing center . . . . .	7,526	982	603	379	6,379	4,522	1,857	162	3
Clinic or doctor's office . . . . .	300	149	138	11	101	42	59	50	—
Residence . . . . .	18,210	1,110	944	166	11,568	3,024	8,544	5,353	179
Other . . . . .	1,280	274	257	17	370	147	223	599	37
Not specified . . . . .	51	8	7	1	19	14	5	15	9
Black total <sup>3</sup>									
Total . . . . .	593,691	547,701	529,610	18,091	42,939	42,213	726	2,810	241
In hospital <sup>2</sup> . . . . .	590,829	546,857	528,799	18,058	42,218	41,722	496	1,619	135
Not in hospital . . . . .	2,833	835	802	33	719	489	230	1,176	103
Freestanding birthing center . . . . .	431	16	16	—	406	307	99	8	1
Clinic or doctor's office . . . . .	16	11	11	—	2	2	—	3	—
Residence . . . . .	1,868	573	551	22	282	152	130	949	64
Other . . . . .	518	235	224	11	29	28	1	216	38
Not specified . . . . .	29	9	9	—	2	2	—	15	3
Non-Hispanic black									
Total . . . . .	578,335	534,006	516,411	17,595	41,368	40,670	698	2,733	228
In hospital <sup>2</sup> . . . . .	575,597	533,199	515,637	17,562	40,692	40,215	477	1,576	130
Not in hospital . . . . .	2,722	802	769	33	675	454	221	1,147	98
Freestanding birthing center . . . . .	406	16	16	—	382	286	96	7	1
Clinic or doctor's office . . . . .	16	11	11	—	2	2	—	3	—
Residence . . . . .	1,796	546	524	22	262	138	124	927	61
Other . . . . .	504	229	218	11	29	28	1	210	36
Not specified . . . . .	16	5	5	—	1	1	—	10	—
Hispanic <sup>4</sup>									
Total . . . . .	876,642	787,769	757,795	29,974	84,492	82,337	2,155	4,203	178
In hospital <sup>2</sup> . . . . .	872,929	787,406	757,456	29,950	82,210	81,439	771	3,218	95
Not in hospital . . . . .	3,699	354	330	24	2,281	897	1,384	981	83
Freestanding birthing center . . . . .	1,441	21	18	3	1,375	681	694	44	1
Clinic or doctor's office . . . . .	29	11	10	1	9	4	5	9	—
Residence . . . . .	1,854	211	199	12	853	175	678	737	53
Other . . . . .	375	111	103	8	44	37	7	191	29
Not specified . . . . .	14	9	9	—	1	1	—	4	—

— Quantity zero.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Includes births occurring en route to or on arrival at hospital.<sup>3</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>4</sup>Includes all persons of Hispanic origin of any race.

**Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989–2002**

Year and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean <sup>3</sup>
	All births	Vaginal		Cesarean			Not stated	Total <sup>1</sup>	Primary <sup>2</sup>	
		Total	After previous cesarean	Total	Primary	Repeat				
All races <sup>4</sup>										
2002	4,021,726	2,958,423	59,248	1,043,846	634,426	409,420	19,457	26.1	18.0	12.6
2001	4,025,933	3,027,993	74,048	978,411	601,383	377,028	19,529	24.4	16.9	16.4
2000	4,058,814	3,108,188	89,978	923,991	577,638	346,353	26,635	22.9	16.1	20.6
1999	3,959,417	3,063,870	97,680	862,086	542,080	320,006	33,461	22.0	15.5	23.4
1998	3,941,553	3,078,537	108,903	825,870	519,975	305,895	37,146	21.2	14.9	26.3
1997	3,880,894	3,046,621	112,145	799,033	502,526	296,507	35,240	20.8	14.6	27.4
1996	3,891,494	3,061,092	116,045	797,119	503,724	293,395	33,283	20.7	14.6	28.3
1995	3,899,589	3,063,724	112,439	806,722	510,104	296,618	29,143	20.8	14.7	27.5
1994	3,952,767	3,087,576	110,341	830,517	520,647	309,870	34,674	21.2	14.9	26.3
1993	4,000,240	3,098,796	103,581	861,987	539,251	322,736	39,457	21.8	15.3	24.3
1992	4,065,014	3,100,710	97,549	888,622	554,662	333,960	75,682	22.3	15.6	22.6
1991	4,110,907	3,100,891	90,690	905,077	569,195	335,882	104,939	22.6	15.9	21.3
1990 <sup>5</sup>	4,110,563	3,111,421	84,299	914,096	575,066	339,030	85,046	22.7	16.0	19.9
1989 <sup>6</sup>	3,798,734	2,793,463	71,019	826,955	521,873	305,082	178,316	22.8	16.1	18.9
White total <sup>7</sup>										
2002	3,174,760	2,340,512	46,004	818,347	493,002	325,345	15,901	25.9	17.7	12.4
2001	3,177,626	2,394,930	58,053	766,771	467,285	299,486	15,925	24.3	16.7	16.2
2000	3,194,005	2,449,264	70,414	723,209	449,161	274,048	21,532	22.8	15.9	20.4
1999	3,132,501	2,426,092	77,158	678,952	424,148	254,804	27,457	21.9	15.3	23.2
1998	3,118,727	2,440,113	86,495	649,987	406,439	243,548	28,627	21.0	14.7	26.2
1997	3,072,640	2,415,236	89,522	630,613	393,603	237,010	26,791	20.7	14.5	27.4
1996	3,093,057	2,434,079	93,783	631,409	395,851	235,558	27,569	20.6	14.5	28.5
1995	3,098,885	2,435,191	90,940	639,818	401,098	238,720	23,876	20.8	14.6	27.6
1994	3,121,004	2,435,965	88,471	656,400	407,946	248,454	28,639	21.2	14.8	26.3
1993	3,149,833	2,435,229	82,995	682,355	423,540	258,815	32,249	21.9	15.3	24.3
1992	3,201,678	2,434,959	77,977	705,841	437,398	268,443	60,878	22.5	15.7	22.5
1991	3,241,273	2,434,900	72,564	723,088	452,534	270,554	83,285	22.9	16.1	21.1
1990 <sup>5</sup>	3,252,473	2,453,857	67,191	732,713	458,656	274,057	65,903	23.0	16.1	19.7
1989 <sup>6</sup>	3,022,537	2,212,843	56,851	667,114	418,177	248,937	142,580	23.2	16.2	18.6
Non-Hispanic white										
2002	2,298,156	1,687,144	33,440	598,682	370,339	228,343	12,330	26.2	18.3	12.8
2001	2,326,578	1,746,551	43,215	567,488	353,977	213,511	12,539	24.5	17.2	16.8
2000	2,362,968	1,804,550	52,912	540,794	342,732	198,062	17,624	23.1	16.4	21.1
1999	2,346,450	1,810,682	59,480	514,051	327,106	186,945	21,717	22.1	15.7	24.1
1998	2,361,462	1,842,420	67,787	495,550	315,138	180,412	23,492	21.2	15.1	27.3
1997	2,333,363	1,829,213	70,284	481,982	305,605	176,377	22,168	20.9	14.8	28.5
1996	2,358,989	1,851,058	73,973	485,530	308,482	177,048	22,401	20.8	14.8	29.5
1995	2,382,638	1,867,024	72,124	496,103	313,933	182,170	19,511	21.0	14.9	28.4
1994	2,438,855	1,896,609	71,597	518,021	324,236	193,785	24,225	21.5	15.1	27.0
1993	2,472,031	1,902,433	67,536	542,013	338,236	203,777	27,585	22.2	15.6	24.9
1992 <sup>9</sup>	2,527,207	1,916,414	63,828	566,788	352,470	214,318	44,005	22.8	16.0	22.9
1991 <sup>9</sup>	2,589,878	1,941,726	60,174	587,802	368,721	219,081	60,350	23.2	16.4	21.5
1990 <sup>5,10</sup>	2,626,500	1,972,754	55,952	603,467	378,508	224,959	50,279	23.4	16.5	19.9
1989 <sup>6,11</sup>	2,526,367	1,806,753	47,559	556,585	349,858	206,727	163,029	23.6	16.6	18.7
Black total <sup>7</sup>										
2002	593,691	427,801	9,567	163,295	100,621	62,674	2,595	27.6	19.4	13.2
2001	606,156	447,458	11,747	156,071	97,429	58,642	2,627	25.9	18.3	16.7
2000	622,598	468,497	14,382	150,401	94,767	55,634	3,700	24.3	17.3	20.5
1999	605,970	462,401	15,438	139,471	88,269	51,202	4,098	23.2	16.5	23.2
1998	609,902	470,088	17,062	135,727	86,438	49,289	4,087	22.4	16.0	25.7
1997	599,913	466,001	16,986	130,142	83,025	47,117	3,770	21.8	15.6	26.5
1996	594,781	462,378	16,866	128,357	82,646	45,711	4,046	21.7	15.6	27.0
1995	603,139	468,984	16,224	130,482	84,441	46,041	3,673	21.8	15.7	26.1
1994	636,391	493,879	16,970	138,067	88,636	49,431	4,445	21.8	15.7	25.6
1993	658,875	509,816	16,179	143,452	91,677	51,775	5,607	22.0	15.7	23.8
1992	673,633	514,929	15,382	146,480	93,165	53,315	12,224	22.1	15.7	22.4
1991	682,602	519,047	14,213	145,583	92,645	52,938	17,972	21.9	15.5	21.2
1990 <sup>5</sup>	679,236	516,581	13,496	146,472	93,476	52,996	16,183	22.1	15.7	20.3
1989 <sup>6</sup>	611,147	452,921	11,104	127,907	82,695	45,212	30,319	22.0	15.8	19.7

See footnotes at end of table.

**Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989–2002—Con.**

Year and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean <sup>3</sup>
	All births	Vaginal		Cesarean			Not stated	Total <sup>1</sup>	Primary <sup>2</sup>	
		Total	After previous cesarean	Total	Primary	Repeat				
Non-Hispanic black										
2002 . . . . .	578,335	416,516	9,317	159,297	98,245	61,052	2,522	27.7	19.4	13.2
2001 . . . . .	589,917	435,455	11,417	151,908	94,912	56,996	2,554	25.9	18.3	16.7
2000 . . . . .	604,346	454,736	13,910	146,042	92,044	53,998	3,568	24.3	17.3	20.5
1999 . . . . .	588,981	449,580	14,999	135,508	85,898	49,610	3,893	23.2	16.5	23.2
1998 . . . . .	593,127	457,186	16,510	131,999	84,169	47,830	3,942	22.4	16.0	25.7
1997 . . . . .	581,431	451,744	16,353	126,138	80,599	45,539	3,549	21.8	15.6	26.4
1996 . . . . .	578,099	449,544	16,322	124,836	80,457	44,379	3,719	21.7	15.7	26.9
1995 . . . . .	587,781	457,104	15,721	127,171	82,395	44,776	3,506	21.8	15.7	26.0
1994 . . . . .	619,198	480,551	16,478	134,526	86,411	48,115	4,121	21.9	15.7	25.5
1993 . . . . .	641,273	496,333	15,675	139,702	89,315	50,387	5,238	22.0	15.7	23.7
1992 <sup>9</sup> . . . . .	657,450	502,669	14,950	143,153	91,086	52,067	11,628	22.2	15.7	22.3
1991 <sup>9</sup> . . . . .	666,758	507,522	13,847	142,417	90,664	51,753	16,819	21.9	15.5	21.1
1990 <sup>5,10</sup> . . . . .	661,701	503,720	13,157	142,838	91,175	51,663	15,143	22.1	15.7	20.3
1989 <sup>6,11</sup> . . . . .	611,269	440,310	10,726	125,290	81,177	44,113	45,669	22.2	15.9	19.6
Hispanic <sup>8</sup>										
2002 . . . . .	876,642	653,516	12,610	219,777	122,603	97,174	3,349	25.2	16.1	11.5
2001 . . . . .	851,851	648,821	14,846	199,874	113,529	86,345	3,156	23.6	15.2	14.7
2000 . . . . .	815,868	633,220	17,062	179,583	104,597	74,986	3,065	22.1	14.5	18.5
1999 . . . . .	764,339	599,118	16,915	161,035	94,433	66,602	4,186	21.2	14.0	20.3
1998 . . . . .	734,661	580,143	17,803	150,317	88,763	61,554	4,201	20.6	13.6	22.4
1997 . . . . .	709,767	563,114	17,942	142,907	84,410	58,497	3,746	20.2	13.4	23.5
1996 . . . . .	701,339	558,105	18,491	139,554	83,392	56,162	3,680	20.0	13.4	24.8
1995 . . . . .	679,768	539,731	17,396	136,640	82,662	53,978	3,397	20.2	13.7	24.4
1994 . . . . .	665,026	525,928	16,206	135,569	81,961	53,608	3,529	20.5	13.9	23.2
1993 . . . . .	654,418	514,493	14,586	136,279	82,576	53,703	3,646	20.9	14.2	21.4
1992 <sup>9</sup> . . . . .	643,271	494,338	13,111	133,369	81,211	52,158	15,564	21.2	14.4	20.1
1991 <sup>9</sup> . . . . .	623,085	472,126	11,615	129,752	80,228	49,524	21,207	21.6	14.8	19.0
1990 <sup>5,10</sup> . . . . .	595,073	458,242	10,395	122,969	76,027	46,942	13,862	21.2	14.5	18.1
1989 <sup>6,11</sup> . . . . .	532,249	385,462	8,549	105,268	64,905	40,363	41,519	21.5	14.7	17.5

<sup>1</sup>Percent of all live births by cesarean delivery.<sup>2</sup>Number of primary cesareans per 100 live births to women who have not had a previous cesarean.<sup>3</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>4</sup>Includes races other than white and black and origin not stated.<sup>5</sup>Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.<sup>6</sup>Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.<sup>7</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>8</sup>Includes all persons of Hispanic origin of any race.<sup>9</sup>Excludes data for New Hampshire, which did not report Hispanic origin.<sup>10</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>11</sup>Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

**Table 40. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 2002**

Age and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		
	All births	Vaginal		Cesarean			Not stated	Total <sup>1</sup>	Primary <sup>2</sup>	Rate of vaginal birth after previous cesarean <sup>3</sup>
		Total	After previous cesarean	Total	Primary	Repeat				
All races <sup>4</sup>	4,021,726	2,958,423	59,248	1,043,846	634,426	409,420	19,457	26.1	18.0	12.6
Under 20 years	432,808	353,653	1,506	77,563	67,741	9,822	1,592	18.0	16.1	13.3
20–24 years	1,022,106	799,537	10,910	218,239	144,947	73,292	4,330	21.4	15.5	13.0
25–29 years	1,060,391	788,776	16,294	266,452	159,869	106,583	5,163	25.3	17.1	13.3
30–34 years	951,219	663,566	17,976	282,576	156,159	126,417	5,077	29.9	19.5	12.4
35–39 years	453,927	293,251	10,278	158,005	82,497	75,508	2,671	35.0	22.6	12.0
40–54 years	101,275	59,640	2,284	41,011	23,213	17,798	624	40.7	28.8	11.4
White total <sup>5</sup>	3,174,760	2,340,512	46,004	818,347	493,002	325,345	15,901	25.9	17.7	12.4
Under 20 years	309,872	254,659	936	54,046	47,427	6,619	1,167	17.5	15.7	12.4
20–24 years	783,000	615,786	7,740	163,799	109,359	54,440	3,415	21.0	15.2	12.4
25–29 years	851,142	635,069	12,493	211,779	126,723	85,056	4,294	25.0	16.9	12.8
30–34 years	779,535	545,608	14,479	229,600	125,761	103,839	4,327	29.6	19.1	12.2
35–39 years	369,833	240,983	8,489	126,667	65,511	61,156	2,183	34.5	22.0	12.2
40–54 years	81,378	48,407	1,867	32,456	18,221	14,235	515	40.1	28.1	11.6
Non-Hispanic white	2,298,156	1,687,144	33,440	598,682	370,339	228,343	12,330	26.2	18.3	12.8
Under 20 years	181,004	147,689	436	32,537	29,162	3,375	778	18.1	16.5	11.4
20–24 years	519,153	407,287	4,789	109,349	75,400	33,949	2,517	21.2	15.8	12.4
25–29 years	614,909	460,484	8,305	151,127	95,538	55,589	3,298	24.7	17.4	13.0
30–34 years	620,173	436,899	11,334	179,763	102,221	77,542	3,511	29.2	19.4	12.8
35–39 years	297,436	195,548	7,020	100,082	53,195	46,887	1,806	33.9	22.0	13.0
40–54 years	65,481	39,237	1,556	25,824	14,823	11,001	420	39.7	28.2	12.4
Black total <sup>5</sup>	593,691	427,801	9,567	163,295	100,621	62,674	2,595	27.6	19.4	13.2
Under 20 years	106,983	85,354	517	21,268	18,344	2,924	361	19.9	17.8	15.0
20–24 years	194,704	147,381	2,712	46,562	29,756	16,806	761	24.0	17.1	13.9
25–29 years	136,591	97,412	2,825	38,552	21,633	16,919	627	28.4	18.6	14.3
30–34 years	95,006	62,182	2,165	32,364	17,624	14,740	460	34.2	22.7	12.8
35–39 years	48,388	28,766	1,062	19,297	10,242	9,055	325	40.1	27.0	10.5
40–54 years	12,019	6,706	286	5,252	3,022	2,230	61	43.9	32.0	11.4
Non-Hispanic black	578,335	416,516	9,317	159,297	98,245	61,052	2,522	27.7	19.4	13.2
Under 20 years	104,626	83,420	507	20,849	17,963	2,886	357	20.0	17.8	14.9
20–24 years	190,241	143,871	2,664	45,627	29,144	16,483	743	24.1	17.1	13.9
25–29 years	132,824	94,614	2,746	37,605	21,108	16,497	605	28.4	18.7	14.3
30–34 years	92,155	60,277	2,092	31,434	17,140	14,294	444	34.3	22.8	12.8
35–39 years	46,831	27,829	1,026	18,687	9,949	8,738	315	40.2	27.1	10.5
40–54 years	11,658	6,505	282	5,095	2,941	2,154	58	43.9	32.1	11.6
Hispanic <sup>6</sup>	876,642	653,516	12,610	219,777	122,603	97,174	3,349	25.2	16.1	11.5
Under 20 years	130,321	108,166	515	21,782	18,513	3,269	373	16.8	14.7	13.6
20–24 years	265,235	209,624	2,976	54,748	34,148	20,600	863	20.7	14.2	12.6
25–29 years	236,143	174,488	4,215	60,708	31,151	29,557	947	25.8	15.5	12.5
30–34 years	157,887	107,505	3,139	49,628	23,323	26,305	754	31.6	18.3	10.7
35–39 years	71,480	44,773	1,460	26,376	12,150	14,226	331	37.1	21.9	9.3
40–54 years	15,576	8,960	305	6,535	3,318	3,217	81	42.2	27.7	8.7

<sup>1</sup>Percent of all live births by cesarean delivery.<sup>2</sup>Number of primary cesareans per 100 live births to women who have not had a previous cesarean.<sup>3</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>4</sup>Includes races other than white and black and origin not stated.<sup>5</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>6</sup>Includes all persons of Hispanic origin of any race.



**Table 41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each State and territory, 2002**

[By place of residence]

State	Cesarean delivery rate <sup>1</sup>						Rate of vaginal births after previous cesarean <sup>2</sup>					
	All races <sup>3</sup>	White		Black		Hispanic <sup>5</sup>	All races <sup>3</sup>	White		Black		Hispanic <sup>5</sup>
		Total <sup>4</sup>	Non-Hispanic	Total <sup>4</sup>	Non-Hispanic			Total <sup>4</sup>	Non-Hispanic	Total <sup>4</sup>	Non-Hispanic	
United States <sup>6</sup>	26.1	25.9	26.2	27.6	27.7	25.2	12.6	12.4	12.8	13.2	13.2	11.5
Alabama	28.7	28.6	29.0	29.1	29.1	23.4	9.4	9.5	9.0	9.2	9.2	16.4
Alaska	19.5	22.0	21.2	22.5	20.2	17.9	20.8	14.5	12.7	*	*	*
Arizona	21.3	21.3	23.2	23.8	23.8	19.3	11.4	10.4	11.0	8.9	9.8	9.7
Arkansas	29.1	28.9	29.4	30.2	30.2	24.8	11.9	11.5	10.7	13.3	13.3	16.7
California	26.8	26.6	27.4	30.2	30.4	26.1	8.0	7.8	8.0	7.9	7.9	7.6
Colorado	21.1	21.1	21.6	21.2	21.3	19.9	18.6	18.5	17.7	19.0	18.3	20.2
Connecticut	26.1	26.2	27.1	26.4	26.4	22.4	13.3	13.4	12.9	13.6	13.8	15.9
Delaware	27.3	26.9	27.4	28.6	28.7	24.2	12.8	12.6	10.9	13.4	13.2	20.3
District of Columbia	26.5	24.9	26.7	27.6	27.7	21.6	8.4	10.4	*	7.4	7.5	*
Florida	28.5	28.9	27.9	27.8	27.8	30.8	8.3	7.8	8.9	9.7	9.8	5.9
Georgia	25.9	25.5	26.8	26.9	26.9	19.9	11.1	11.5	10.7	10.2	10.1	14.7
Hawaii	21.4	19.5	19.2	16.9	15.9	22.1	16.7	15.5	15.4	*	*	15.7
Idaho	19.7	19.5	19.4	22.3	22.0	20.5	17.4	17.6	16.6	*	*	22.0
Illinois	23.9	23.8	24.8	24.1	24.1	21.4	17.1	17.2	16.2	16.0	16.1	19.3
Indiana	24.8	24.7	24.7	25.5	25.5	24.5	12.2	11.7	11.4	15.3	15.3	14.1
Iowa	24.8	24.9	24.9	24.8	25.0	24.4	12.0	11.9	11.9	14.4	14.4	10.8
Kansas	24.8	24.8	25.1	27.3	27.3	23.4	11.7	11.6	11.3	12.0	11.9	13.5
Kentucky	28.0	28.0	28.1	28.6	28.6	27.3	9.4	9.1	9.0	11.6	11.5	13.0
Louisiana	30.4	31.3	31.3	29.3	29.2	30.0	6.4	4.6	4.6	8.8	8.9	*
Maine	25.7	25.6	25.6	24.1	24.6	28.9	10.4	10.6	10.5	*	*	*
Maryland	27.5	26.5	27.0	29.5	29.6	23.6	17.0	17.4	17.1	16.0	16.1	19.6
Massachusetts	28.0	28.1	28.7	29.2	29.3	24.5	14.9	14.7	14.3	15.2	16.1	16.6
Michigan	24.9	25.0	25.1	24.6	24.6	23.7	13.0	12.8	12.6	14.3	14.2	14.5
Minnesota	22.2	22.7	22.8	22.9	23.1	22.4	16.4	15.1	14.4	26.4	26.0	20.9
Mississippi	31.1	31.5	31.7	30.9	30.9	24.4	6.9	6.1	5.8	7.9	7.9	*
Missouri	25.7	25.9	26.0	25.0	25.0	24.1	14.1	13.3	13.2	17.5	17.6	14.4
Montana	22.9	22.5	22.5	*	*	23.4	16.1	16.4	16.2	*	*	*
Nebraska	26.7	26.9	27.4	24.4	24.2	23.8	9.8	9.3	9.5	15.3	15.8	9.3
Nevada	25.7	25.0	27.1	31.1	31.2	22.3	11.3	11.5	8.0	9.4	9.6	16.0
New Hampshire	24.2	24.2	24.4	25.6	28.9	21.1	15.7	15.6	15.5	*	*	*
New Jersey	30.9	30.9	31.5	31.7	31.4	29.7	16.8	16.1	16.0	19.7	20.6	16.2
New Mexico	19.1	19.6	21.2	20.7	21.1	18.7	21.5	20.4	21.5	*	*	19.9
New York	27.1	27.3	27.7	27.6	28.0	25.9	18.2	18.0	18.1	19.0	19.4	17.3
North Carolina	26.4	26.0	27.1	28.1	28.1	21.0	13.2	13.0	11.5	13.3	13.2	20.3
North Dakota	23.1	22.9	22.8	*	*	27.5	16.7	16.7	16.9	*	*	*
Ohio	23.6	23.5	23.5	24.4	24.4	23.2	18.9	18.3	18.3	22.0	21.9	18.5
Oklahoma	28.1	27.7	28.0	30.0	30.1	25.4	8.4	8.6	8.2	8.3	8.3	10.7
Oregon	23.4	23.3	23.6	25.9	26.2	21.7	16.3	16.5	15.2	*	*	20.8
Pennsylvania	24.8	24.8	24.9	25.2	25.2	23.6	18.4	17.7	17.6	22.6	22.8	18.1
Rhode Island	26.2	26.8	28.3	25.0	24.8	23.4	13.0	12.4	12.4	*	*	11.9
South Carolina	28.6	28.4	28.5	29.2	29.2	26.3	9.5	9.3	9.2	9.7	9.8	9.8
South Dakota	24.6	24.7	24.7	20.4	20.4	21.3	16.7	17.1	16.8	*	*	*
Tennessee	27.5	27.7	28.1	26.7	26.7	23.1	11.6	10.1	9.9	16.6	16.6	13.3
Texas	27.9	27.7	28.5	29.9	30.0	27.1	8.0	8.1	7.0	6.3	6.2	8.8
Utah	19.1	18.9	18.4	27.4	27.2	22.2	24.1	24.5	24.5	*	*	24.2
Vermont	20.9	20.9	21.0	*	*	*	25.6	25.6	25.4	*	*	*
Virginia	26.8	26.3	26.6	27.9	27.9	24.3	12.6	12.4	12.3	13.4	13.3	13.0
Washington	24.0	23.9	24.4	27.0	27.0	21.6	14.6	14.8	13.3	12.5	11.6	20.1
West Virginia	29.3	29.2	29.2	32.1	32.2	26.2	9.3	9.2	9.3	*	*	*
Wisconsin	20.6	21.1	21.3	18.1	18.1	19.6	18.3	17.5	17.0	24.6	24.2	21.9
Wyoming	21.1	21.1	20.8	*	*	23.3	18.0	18.0	18.4	*	*	*
Puerto Rico	44.8	45.1	---	42.7	---	---	3.7	3.7	---	3.4	---	---
Virgin Islands	23.4	26.2	26.8	23.2	22.7	25.9	18.3	*	*	18.2	18.5	*
Guam	20.6	20.5	20.5	*	*	*	21.1	*	*	*	*	*
American Samoa	---	---	---	---	---	---	---	---	---	---	---	---
Northern Marianas	24.8	*	---	*	---	---	*	*	---	*	---	---

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

<sup>1</sup>Percent of all live births by cesarean delivery.<sup>2</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>5</sup>Includes all persons of Hispanic origin of any race.<sup>6</sup>Excludes data for the territories.



**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, 2002**

Medical risk factor and complication	All births to mothers with specified condition and/or procedure	Cesarean delivery rate		Rate of vaginal birth after previous cesarean <sup>3</sup>
		Total <sup>1</sup>	Primary <sup>2</sup>	
Medical risk factors				
Anemia . . . . .	102,788	26.5	18.2	16.1
Cardiac disease . . . . .	20,308	31.1	22.1	13.5
Acute or chronic lung disease . . . . .	49,263	29.3	21.0	15.0
Diabetes . . . . .	131,027	41.7	30.0	9.2
Genital herpes <sup>4</sup> . . . . .	33,644	36.2	29.0	16.1
Hydramnios/Oligohydramnios . . . . .	55,590	40.2	34.1	11.3
Hemoglobinopathy . . . . .	3,152	28.9	20.3	14.5
Hypertension, chronic . . . . .	33,442	46.4	35.2	7.7
Hypertension, pregnancy-associated . . . . .	150,854	41.6	35.7	8.6
Eclampsia . . . . .	12,920	53.4	48.4	6.9
Incompetent cervix . . . . .	11,703	39.2	31.3	15.3
Renal disease . . . . .	12,185	28.4	19.9	14.9
Rh sensitization <sup>5</sup> . . . . .	26,648	26.9	18.8	14.5
Uterine bleeding <sup>4</sup> . . . . .	20,666	36.9	28.9	13.9
Complications of labor and/or delivery				
Febrile . . . . .	60,960	31.9	30.6	41.1
Meconium, moderate/heavy . . . . .	200,408	22.6	19.6	34.4
Premature rupture of membrane . . . . .	92,550	29.2	25.4	25.0
Abruptio placenta . . . . .	21,409	63.3	58.7	10.3
Placenta previa . . . . .	13,356	81.3	77.0	2.3
Other excessive bleeding . . . . .	24,137	32.7	25.6	18.0
Seizures during labor. . . . .	1,297	57.1	55.0	*
Precipitous labor (less than 3 hours). . . . .	73,359	2.8	1.9	72.8
Prolonged labor (more than 20 hours). . . . .	28,113	37.4	36.6	43.5
Dysfunctional labor . . . . .	114,479	70.7	69.4	12.1
Breech/Malpresentation . . . . .	152,425	86.9	85.4	3.4
Cephalopelvic disproportion . . . . .	63,240	96.4	96.3	1.8
Cord prolapse . . . . .	6,941	68.4	66.6	10.5
Anesthetic complication <sup>4</sup> . . . . .	2,354	44.0	36.2	12.4
Fetal distress <sup>4</sup> . . . . .	140,074	61.3	59.4	15.0

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

<sup>1</sup>Percent of all live births by cesarean delivery.<sup>2</sup>Number of primary cesareans per 100 live births to women who have not had a previous cesarean.<sup>3</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>4</sup>Texas does not report this risk factor or complication.<sup>5</sup>Kansas does not report this risk factor.

**Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2002**

Birthweight <sup>1</sup> and race and Hispanic origin of mother	All births	Period of gestation <sup>2</sup>											Not stated
		Preterm						Term				Postterm	
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total 37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over		
Number													
All races <sup>3</sup>	4,021,726	480,812	29,425	48,420	224,364	178,603	3,231,563	2,029,753	807,896	393,914	268,095	41,256	
Less than 500 grams	6,268	6,057	5,766	263	27	1	11	6	5	–	2	198	
500–999 grams	22,845	22,190	16,361	5,210	594	25	191	116	44	31	30	434	
1,000–1,499 grams	29,431	27,329	4,029	15,626	7,097	577	1,492	1,077	284	131	231	379	
1,500–1,999 grams	61,652	51,203	908	11,917	33,412	4,966	8,833	7,348	1,021	464	820	796	
2,000–2,499 grams	193,881	100,582	660	4,143	65,179	30,600	86,016	71,481	9,909	4,626	5,175	2,108	
2,500–2,999 grams	688,630	127,482	944	4,082	56,940	65,516	520,030	396,514	86,416	37,100	34,306	6,812	
3,000–3,499 grams	1,521,884	97,178	–	4,668	39,616	52,894	1,308,043	855,173	312,554	140,316	101,901	14,762	
3,500–3,999 grams	1,125,959	38,612	–	2,440	17,011	19,161	985,884	544,969	292,587	148,328	90,665	10,798	
4,000–4,499 grams	314,182	7,763	–	–	3,739	4,024	274,022	131,515	89,882	52,625	29,248	3,149	
4,500–4,999 grams	48,606	1,211	–	–	524	687	41,799	18,864	13,711	9,224	5,071	525	
5,000 grams or more	5,396	211	–	–	103	108	4,524	2,239	1,320	965	556	105	
Not stated	2,992	994	757	71	122	44	718	451	163	104	90	1,190	
Percent													
Very low birthweight <sup>4</sup>	1.5	11.6	91.2	43.6	3.4	0.3	0.1	0.1	0.0	0.0	0.1	2.5	
Low birthweight <sup>5</sup>	7.8	43.2	96.7	76.9	47.4	20.3	3.0	3.9	1.4	1.3	2.3	9.8	
Number													
White total <sup>6</sup>	3,174,760	350,269	17,582	32,733	164,401	135,553	2,577,102	1,605,486	651,241	320,375	214,605	32,784	
Less than 500 grams	3,588	3,449	3,273	151	24	1	4	2	2	–	1	134	
500–999 grams	13,909	13,439	9,775	3,252	395	17	144	85	33	26	24	302	
1,000–1,499 grams	19,595	18,144	2,555	10,422	4,773	394	1,004	714	192	98	165	282	
1,500–1,999 grams	43,074	35,822	584	8,477	23,364	3,397	6,102	5,070	721	311	562	588	
2,000–2,499 grams	135,633	72,157	383	2,783	47,381	21,610	58,415	48,639	6,646	3,130	3,596	1,465	
2,500–2,999 grams	495,046	94,371	562	2,561	42,248	49,000	371,206	283,904	60,827	26,475	24,492	4,977	
3,000–3,499 grams	1,191,374	74,082	–	3,190	29,291	41,601	1,026,216	672,563	243,704	109,949	79,324	11,752	
3,500–3,999 grams	947,951	30,624	–	1,850	13,279	15,495	832,272	460,609	246,546	125,117	75,912	9,143	
4,000–4,499 grams	275,046	6,386	–	–	3,049	3,337	240,419	115,120	79,172	46,127	25,519	2,722	
4,500–4,999 grams	42,751	1,005	–	–	430	575	36,851	16,507	12,132	8,212	4,435	460	
5,000 grams or more	4,630	169	–	–	80	89	3,872	1,906	1,126	840	504	85	
Not stated	2,163	621	450	47	87	37	597	367	140	90	71	874	
Percent													
Very low birthweight <sup>4</sup>	1.2	10.0	91.1	42.3	3.2	0.3	0.0	0.0	0.0	0.0	0.1	2.3	
Low birthweight <sup>5</sup>	6.8	40.9	96.7	76.7	46.2	18.8	2.5	3.4	1.2	1.1	2.0	8.7	
Number													
Non-Hispanic white	2,298,156	251,132	12,355	23,300	116,567	98,910	1,885,189	1,178,913	474,093	232,183	149,898	11,937	
Less than 500 grams	2,545	2,496	2,369	104	23	–	2	1	1	–	1	46	
500–999 grams	9,952	9,733	6,958	2,475	288	12	93	55	20	18	17	109	
1,000–1,499 grams	14,403	13,498	1,754	7,889	3,578	277	704	502	130	72	102	99	
1,500–1,999 grams	32,143	27,178	364	6,389	17,874	2,551	4,340	3,664	470	206	392	233	
2,000–2,499 grams	99,549	54,306	244	1,847	35,972	16,243	42,126	35,383	4,599	2,144	2,552	565	
2,500–2,999 grams	346,513	68,910	353	1,542	30,428	36,587	259,593	200,890	41,068	17,635	16,329	1,681	
3,000–3,499 grams	842,347	50,072	–	1,883	18,241	29,948	734,586	486,658	171,619	76,309	53,615	4,074	
3,500–3,999 grams	701,894	19,577	–	1,135	7,891	10,551	624,898	347,782	184,281	92,835	54,137	3,282	
4,000–4,499 grams	210,885	4,196	–	–	1,917	2,279	186,654	89,454	61,448	35,752	18,959	1,076	
4,500–4,999 grams	32,988	623	–	–	249	374	28,849	12,849	9,500	6,500	3,334	182	
5,000 grams or more	3,393	99	–	–	44	55	2,858	1,378	845	635	404	32	
Not stated	1,544	444	313	36	62	33	486	297	112	77	56	558	
Percent													
Very low birthweight <sup>4</sup>	1.2	10.3	92.0	45.0	3.3	0.3	0.0	0.0	0.0	0.0	0.1	2.2	
Low birthweight <sup>5</sup>	6.9	42.8	97.1	80.4	49.6	19.3	2.5	3.4	1.1	1.1	2.0	9.2	

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, 2002—Con.**

Birthweight <sup>1</sup> and race and Hispanic origin of mother	All births	Period of gestation <sup>2</sup>											Not stated
		Preterm					Term				Postterm		
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total 37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over		
Number													
Black total <sup>6</sup>	593,691	103,437	10,495	13,143	47,212	32,587	448,002	292,061	105,733	50,208	37,956	4,296	
Less than 500 grams	2,414	2,355	2,247	105	3	–	7	4	3	–	1	51	
500–999 grams	7,842	7,704	5,838	1,694	165	7	35	22	8	5	4	99	
1,000–1,499 grams	8,286	7,766	1,286	4,401	1,926	153	402	295	77	30	58	60	
1,500–1,999 grams	15,146	12,594	286	2,894	8,162	1,252	2,192	1,812	255	125	221	139	
2,000–2,499 grams	45,125	22,412	247	1,136	14,021	7,008	21,033	17,314	2,545	1,174	1,287	393	
2,500–2,999 grams	140,506	25,614	326	1,258	11,517	12,513	106,500	80,315	18,351	7,834	7,447	945	
3,000–3,499 grams	226,457	17,635	–	1,161	8,105	8,369	191,312	124,092	46,318	20,902	16,106	1,404	
3,500–3,999 grams	117,795	5,904	–	478	2,728	2,698	101,110	55,658	30,185	15,267	10,020	761	
4,000–4,499 grams	25,293	978	–	–	485	493	21,752	10,692	6,879	4,181	2,377	186	
4,500–4,999 grams	3,739	139	–	–	60	79	3,177	1,604	971	602	391	32	
5,000 grams or more	475	22	–	–	12	10	410	202	128	80	33	10	
Not stated	613	314	265	16	28	5	72	51	13	8	11	216	
Percent													
Very low birthweight <sup>4</sup>	3.1	17.3	91.6	47.2	4.4	0.5	0.1	0.1	0.1	0.1	0.2	5.1	
Low birthweight <sup>5</sup>	13.3	51.2	96.8	77.9	51.5	25.8	5.3	6.7	2.7	2.7	4.1	18.2	
Number													
Non-Hispanic black	578,335	101,423	10,330	12,895	46,304	31,894	435,923	284,581	102,654	48,688	36,896	4,093	
Less than 500 grams	2,365	2,311	2,205	103	3	–	7	4	3	–	1	46	
500–999 grams	7,711	7,574	5,748	1,658	161	7	34	21	8	5	4	99	
1,000–1,499 grams	8,118	7,610	1,268	4,302	1,888	152	393	289	76	28	58	57	
1,500–1,999 grams	14,882	12,373	283	2,850	8,023	1,217	2,155	1,777	254	124	217	137	
2,000–2,499 grams	44,300	22,020	240	1,120	13,776	6,884	20,635	16,989	2,500	1,146	1,270	375	
2,500–2,999 grams	137,584	25,129	323	1,242	11,274	12,290	104,256	78,644	17,947	7,665	7,286	913	
3,000–3,499 grams	220,468	17,241	–	1,136	7,951	8,154	186,194	120,872	45,016	20,306	15,688	1,345	
3,500–3,999 grams	113,972	5,747	–	468	2,661	2,618	97,818	53,900	29,175	14,743	9,688	719	
4,000–4,499 grams	24,310	951	–	–	470	481	20,920	10,294	6,609	4,017	2,262	177	
4,500–4,999 grams	3,587	133	–	–	57	76	3,045	1,546	929	570	378	31	
5,000 grams or more	462	22	–	–	12	10	398	196	124	78	33	9	
Not stated	576	312	263	16	28	5	68	49	13	6	11	185	
Percent													
Very low birthweight <sup>4</sup>	3.1	17.3	91.6	47.1	4.4	0.5	0.1	0.1	0.1	0.1	0.2	5.2	
Low birthweight <sup>5</sup>	13.4	51.3	96.8	77.9	51.5	25.9	5.3	6.7	2.8	2.7	4.2	18.3	
Number													
Hispanic <sup>7</sup>	876,642	99,510	5,202	9,529	47,998	36,781	692,314	426,983	177,190	88,141	64,997	19,821	
Less than 500 grams	992	909	861	46	1	1	2	1	1	–	–	81	
500–999 grams	3,984	3,738	2,826	799	110	3	52	31	13	8	7	187	
1,000–1,499 grams	5,240	4,697	809	2,570	1,203	115	308	216	64	28	62	173	
1,500–1,999 grams	10,943	8,649	217	2,082	5,489	861	1,780	1,426	248	106	172	342	
2,000–2,499 grams	36,224	17,899	146	944	11,417	5,392	16,420	13,361	2,059	1,000	1,050	855	
2,500–2,999 grams	149,219	25,562	211	1,032	11,892	12,427	112,260	83,468	19,921	8,871	8,255	3,142	
3,000–3,499 grams	349,830	24,154	–	1,334	11,101	11,719	292,437	186,267	72,424	33,746	25,856	7,383	
3,500–3,999 grams	245,222	11,075	–	711	5,408	4,956	206,679	112,477	62,003	32,199	21,830	5,638	
4,000–4,499 grams	63,667	2,204	–	–	1,138	1,066	53,325	25,504	17,553	10,268	6,561	1,577	
4,500–4,999 grams	9,691	384	–	–	180	204	7,947	3,640	2,601	1,706	1,091	269	
5,000 grams or more	1,217	70	–	–	36	34	995	522	276	197	101	51	
Not stated	413	169	132	11	23	3	109	70	27	12	12	123	
Percent													
Very low birthweight <sup>4</sup>	1.2	9.4	88.7	35.9	2.7	0.3	0.1	0.1	0.0	0.0	0.1	2.2	
Low birthweight <sup>5</sup>	6.5	36.1	95.8	67.7	38.0	17.3	2.7	3.5	1.3	1.3	2.0	8.3	

— Quantity zero. 0.0 Quantity more than zero but less than 0.05. <sup>1</sup>Equivalents of the gram weights in pounds and ounces are shown in the "Technical Notes."<sup>2</sup>Expressed in completed weeks. <sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Birthweight of less than 1,500 grams (3 lb 4 oz).<sup>5</sup>Birthweight of less than 2,500 grams (5 lb 8 oz).<sup>6</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>7</sup>Includes all persons of Hispanic origin of any race.

**Table 44. Percent of live births very preterm and preterm and percent of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981–2002**

Year	Very preterm <sup>1</sup>						Preterm <sup>2</sup>					
	White			Black			White			Black		
	All races <sup>3</sup>	Total <sup>4</sup>	Non-Hispanic	Total <sup>4</sup>	Non-Hispanic	Hispanic <sup>5</sup>	All races <sup>3</sup>	Total <sup>4</sup>	Non-Hispanic	Total <sup>4</sup>	Non-Hispanic	Hispanic <sup>5</sup>
2002	1.96	1.60	1.56	4.01	4.04	1.72	12.1	11.1	11.0	17.5	17.7	11.6
2001	1.95	1.59	1.55	4.02	4.05	1.69	11.9	11.0	10.8	17.5	17.6	11.4
2000	1.93	1.55	1.51	4.04	4.09	1.69	11.6	10.6	10.4	17.3	17.4	11.2
1999	1.96	1.57	1.54	4.13	4.18	1.68	11.8	10.7	10.5	17.5	17.6	11.4
1998	1.96	1.57	1.52	4.11	4.15	1.72	11.6	10.5	10.2	17.5	17.6	11.4
1997	1.94	1.53	1.49	4.17	4.19	1.68	11.4	10.2	9.9	17.5	17.6	11.2
1996	1.89	1.48	1.43	4.13	4.17	1.66	11.0	9.8	9.5	17.4	17.5	10.9
1995	1.89	1.46	1.41	4.25	4.29	1.66	11.0	9.7	9.4	17.7	17.8	10.9
1994	1.91	1.45	1.39	4.32	4.36	1.67	11.0	9.6	9.3	18.1	18.2	10.9
1993	1.93	1.45	1.39	4.41	4.45	1.67	11.0	9.5	9.1	18.5	18.6	11.0
1992 <sup>6</sup>	1.91	1.40	1.33	4.47	4.50	1.64	10.7	9.1	8.7	18.4	18.5	10.7
1991 <sup>8</sup>	1.94	1.41	1.35	4.62	4.65	1.65	10.8	9.1	8.7	18.9	19.0	11.0
1990 <sup>9</sup>	1.92	1.39	1.33	4.61	4.63	1.69	10.6	8.9	8.5	18.8	18.9	11.0
1989 <sup>10</sup>	1.95	1.41	1.34	4.64	4.68	1.76	10.6	8.8	8.4	18.9	19.0	11.1
1988	1.96	1.42	---	4.72	---	---	10.2	8.5	---	18.7	---	---
1987	1.96	1.44	---	4.61	---	---	10.2	8.5	---	18.4	---	---
1986	1.90	1.41	---	4.47	---	---	10.0	8.4	---	18.0	---	---
1985	1.88	1.42	---	4.37	---	---	9.8	8.2	---	17.8	---	---
1984	1.83	1.38	---	4.22	---	---	9.4	7.9	---	17.1	---	---
1983	1.86	1.40	---	4.34	---	---	9.6	8.0	---	17.7	---	---
1982	1.84	1.40	---	4.22	---	---	9.5	8.0	---	17.4	---	---
1981	1.81	1.37	---	4.13	---	---	9.4	7.9	---	17.3	---	---
	Very low birthweight <sup>6</sup>						Low birthweight <sup>7</sup>					
	White			Black			White			Black		
	All races <sup>3</sup>	Total <sup>4</sup>	Non-Hispanic	Total <sup>4</sup>	Non-Hispanic	Hispanic <sup>5</sup>	All races <sup>3</sup>	Total <sup>4</sup>	Non-Hispanic	Total <sup>4</sup>	Non-Hispanic	Hispanic <sup>5</sup>
2002	1.46	1.17	1.17	3.13	3.15	1.17	7.8	6.8	6.9	13.3	13.4	6.5
2001	1.44	1.16	1.17	3.04	3.08	1.14	7.7	6.7	6.8	13.0	13.1	6.5
2000	1.43	1.14	1.14	3.07	3.10	1.14	7.6	6.5	6.6	13.0	13.1	6.4
1999	1.45	1.15	1.15	3.14	3.18	1.14	7.6	6.6	6.6	13.1	13.2	6.4
1998	1.45	1.15	1.15	3.08	3.11	1.15	7.6	6.5	6.6	13.0	13.2	6.4
1997	1.42	1.13	1.12	3.04	3.05	1.13	7.5	6.5	6.5	13.0	13.1	6.4
1996	1.37	1.09	1.08	2.99	3.02	1.12	7.4	6.3	6.4	13.0	13.1	6.3
1995	1.35	1.06	1.04	2.97	2.98	1.11	7.3	6.2	6.2	13.1	13.2	6.3
1994	1.33	1.02	1.01	2.96	2.99	1.08	7.3	6.1	6.1	13.2	13.3	6.2
1993	1.33	1.01	1.00	2.96	2.99	1.06	7.2	6.0	5.9	13.3	13.4	6.2
1992 <sup>6</sup>	1.29	0.96	0.94	2.96	2.97	1.04	7.1	5.8	5.7	13.3	13.4	6.1
1991 <sup>8</sup>	1.29	0.96	0.94	2.96	2.97	1.02	7.1	5.8	5.7	13.6	13.6	6.1
1990 <sup>9</sup>	1.27	0.95	0.93	2.92	2.93	1.03	7.0	5.7	5.6	13.3	13.3	6.1
1989 <sup>10</sup>	1.28	0.95	0.93	2.95	2.97	1.05	7.0	5.7	5.6	13.5	13.6	6.2
1988	1.24	0.93	---	2.86	---	---	6.9	5.7	---	13.3	---	---
1987	1.24	0.94	---	2.79	---	---	6.9	5.7	---	13.0	---	---
1986	1.21	0.93	---	2.73	---	---	6.8	5.7	---	12.8	---	---
1985	1.21	0.93	---	2.71	---	---	6.8	5.7	---	12.6	---	---
1984	1.19	0.93	---	2.60	---	---	6.7	5.6	---	12.6	---	---
1983	1.19	0.92	---	2.60	---	---	6.8	5.7	---	12.8	---	---
1982	1.18	0.91	---	2.56	---	---	6.8	5.6	---	12.6	---	---
1981	1.16	0.91	---	2.52	---	---	6.8	5.7	---	12.7	---	---

--- Data not available.

<sup>1</sup>Births of less than 32 completed weeks of gestation.<sup>2</sup>Births of less than 37 completed weeks of gestation.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>5</sup>Includes all persons of Hispanic origin of any race.<sup>6</sup>Less than 1,500 grams (3 lb 4 oz).<sup>7</sup>Less than 2,500 grams (5 lb 8 oz).<sup>8</sup>Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.<sup>9</sup>Data by Hispanic origin exclude New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>10</sup>Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

**Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2002**

Age and race and Hispanic origin of mother	Low birthweight <sup>1</sup>		Birthweight <sup>2</sup>												
	Number	Percent	Total	Less than 500 grams	500– 999 grams	1,000– 1,499 grams	1,500– 1,999 grams	2,000– 2,499 grams	2,500– 2,999 grams	3,000– 3,499 grams	3,500– 3,999 grams	4,000– 4,499 grams	4,500– 4,999 grams	5,000– grams or more	Not stated
<b>All races<sup>3</sup></b>															
All ages . . . . .	314,077	7.8	4,021,726	6,268	22,845	29,431	61,652	193,881	688,630	1,521,884	1,125,959	314,182	48,606	5,396	2,992
Under 15 years . . . . .	984	13.5	7,315	27	113	87	189	568	1,875	2,892	1,329	205	22	–	8
15–19 years . . . . .	40,706	9.6	425,493	869	3,170	3,699	7,620	25,348	93,878	173,012	95,898	19,276	2,176	216	331
15 years . . . . .	2,112	11.3	18,703	62	215	201	375	1,259	4,577	7,531	3,755	651	51	7	19
16 years . . . . .	4,681	10.9	43,147	99	377	471	896	2,838	10,021	17,731	8,926	1,593	140	16	39
17 years . . . . .	7,617	9.9	76,881	168	622	693	1,369	4,765	17,500	31,422	16,648	3,240	342	38	74
18 years . . . . .	11,376	9.6	118,651	254	870	1,017	2,172	7,063	25,990	48,154	26,888	5,488	611	57	87
19 years . . . . .	14,920	8.9	168,111	286	1,086	1,317	2,808	9,423	35,790	68,174	39,681	8,304	1,032	98	112
20–24 years . . . . .	80,605	7.9	1,022,106	1,577	5,825	6,957	14,776	51,470	194,498	405,669	266,147	64,711	8,828	894	754
25–29 years . . . . .	73,283	6.9	1,060,391	1,505	5,275	6,888	14,151	45,464	170,977	402,284	310,423	87,635	13,603	1,479	707
30–34 years . . . . .	68,526	7.2	951,219	1,373	4,985	6,602	14,061	41,505	140,908	345,226	289,906	89,752	14,556	1,672	673
35–39 years . . . . .	38,872	8.6	453,927	747	2,701	3,969	8,365	23,090	69,486	158,492	134,462	43,590	7,733	885	407
40–44 years . . . . .	9,997	10.4	95,788	157	728	1,096	2,191	5,825	15,872	32,645	26,659	8,658	1,617	237	103
45–54 years . . . . .	1,104	20.2	5,487	13	48	133	299	611	1,136	1,664	1,135	355	71	13	9
<b>White total<sup>4</sup></b>															
All ages . . . . .	215,799	6.8	3,174,760	3,588	13,909	19,595	43,074	135,633	495,046	1,191,374	947,951	275,046	42,751	4,630	2,163
Under 15 years . . . . .	471	12.1	3,884	10	53	47	99	262	864	1,605	800	126	13	–	5
15–19 years . . . . .	24,909	8.1	305,988	460	1,816	2,232	4,702	15,699	61,962	125,588	75,420	15,927	1,786	178	218
15 years . . . . .	1,115	9.6	11,665	37	121	97	204	656	2,556	4,757	2,697	491	35	4	10
16 years . . . . .	2,745	9.3	29,501	52	199	299	524	1,671	6,353	12,278	6,730	1,256	101	12	26
17 years . . . . .	4,636	8.5	54,698	95	347	423	854	2,917	11,386	22,665	12,995	2,658	275	32	51
18 years . . . . .	7,050	8.2	85,957	127	509	610	1,349	4,455	17,364	35,197	21,212	4,528	505	47	54
19 years . . . . .	9,363	7.5	124,167	149	640	803	1,771	6,000	24,303	50,691	31,786	6,994	870	83	77
20–24 years . . . . .	52,231	6.7	783,000	839	3,327	4,258	9,551	34,256	136,322	311,153	219,008	55,414	7,587	756	529
25–29 years . . . . .	51,339	6.0	851,142	880	3,228	4,673	10,110	32,448	125,163	319,516	264,198	77,159	11,990	1,250	527
30–34 years . . . . .	50,296	6.5	779,535	821	3,223	4,746	10,540	30,966	105,800	278,636	249,861	79,947	13,035	1,463	497
35–39 years . . . . .	28,422	7.7	369,833	471	1,743	2,779	6,195	17,234	52,276	127,529	115,069	38,621	6,847	768	301
40–44 years . . . . .	7,236	9.4	76,928	97	480	754	1,636	4,269	11,770	26,027	22,635	7,543	1,434	205	78
45–54 years . . . . .	895	20.1	4,450	10	39	106	241	499	889	1,320	960	309	59	10	8

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, 2002—Con.**

Age and race and Hispanic origin of mother	Low birthweight <sup>1</sup>		Birthweight <sup>2</sup>												
	Number	Percent	Total	Less than	500–	1,000–	1,500–	2,000–	2,500–	3,000–	3,500–	4,000–	4,500–	5,000–	Not stated
				grams	grams	grams	grams	grams	grams	grams	grams	grams	grams	grams	
Non-Hispanic white															
All ages . . . . .	158,592	6.9	2,298,156	2,545	9,952	14,403	32,143	99,549	346,513	842,347	701,894	210,885	32,988	3,393	1,544
Under 15 years . . . . .	188	12.6	1,493	5	24	21	37	101	295	608	343	50	5	–	4
15–19 years . . . . .	15,139	8.4	179,511	286	1,131	1,442	2,878	9,402	35,029	71,535	45,933	10,412	1,212	114	137
15 years . . . . .	512	10.0	5,130	21	63	53	96	279	1,025	1,985	1,317	261	25	1	4
16 years . . . . .	1,421	9.9	14,421	30	109	168	262	852	2,945	5,737	3,504	726	65	7	16
17 years . . . . .	2,683	8.9	30,205	60	211	265	511	1,636	6,007	12,194	7,488	1,616	167	16	34
18 years . . . . .	4,437	8.7	51,196	77	337	410	846	2,767	10,076	20,396	12,930	2,968	331	29	29
19 years . . . . .	6,086	7.8	78,559	98	411	546	1,163	3,868	14,976	31,223	20,694	4,841	624	61	54
20–24 years . . . . .	36,028	6.9	519,153	554	2,343	2,928	6,648	23,555	88,644	201,070	147,901	39,178	5,472	522	338
25–29 years . . . . .	37,851	6.2	614,909	622	2,294	3,434	7,573	23,928	88,603	226,821	193,568	57,869	8,930	883	384
30–34 years . . . . .	40,119	6.5	620,173	640	2,454	3,761	8,485	24,779	82,414	219,065	201,351	65,159	10,550	1,126	389
35–39 years . . . . .	22,688	7.6	297,436	358	1,293	2,135	4,995	13,907	41,411	101,569	93,641	31,723	5,587	592	225
40–44 years . . . . .	5,824	9.4	61,853	74	385	594	1,321	3,450	9,386	20,626	18,380	6,242	1,186	148	61
45–54 years . . . . .	755	20.8	3,628	6	28	88	206	427	731	1,053	777	252	46	8	6
Black total <sup>4</sup>															
All ages . . . . .	78,813	13.3	593,691	2,414	7,842	8,286	15,146	45,125	140,506	226,457	117,795	25,293	3,739	475	613
Under 15 years . . . . .	483	15.2	3,188	15	56	35	87	290	958	1,197	472	70	5	–	3
15–19 years . . . . .	14,406	13.9	103,795	396	1,261	1,344	2,687	8,718	28,425	41,118	16,871	2,576	272	28	99
15 years . . . . .	928	14.7	6,336	25	88	97	162	556	1,848	2,495	908	131	14	3	9
16 years . . . . .	1,774	14.6	12,142	46	165	159	337	1,067	3,331	4,855	1,858	276	32	3	13
17 years . . . . .	2,747	14.2	19,411	70	264	250	476	1,687	5,479	7,679	2,996	439	45	5	21
18 years . . . . .	3,948	14.0	28,266	124	334	374	754	2,362	7,655	11,191	4,622	745	70	6	29
19 years . . . . .	5,009	13.3	37,640	131	410	464	958	3,046	10,112	14,898	6,487	985	111	11	27
20–24 years . . . . .	24,963	12.8	194,704	691	2,301	2,446	4,643	14,882	48,572	76,346	36,691	6,964	881	93	194
25–29 years . . . . .	16,803	12.3	136,591	557	1,780	1,867	3,199	9,400	30,147	52,372	29,259	6,692	1,053	136	129
30–34 years . . . . .	12,710	13.4	95,006	481	1,466	1,421	2,552	6,790	19,413	34,603	21,610	5,560	878	125	107
35–39 years . . . . .	7,347	15.2	48,388	231	784	898	1,536	3,898	10,302	16,777	10,518	2,779	532	68	65
40–44 years . . . . .	1,993	17.4	11,443	40	190	262	417	1,084	2,541	3,850	2,289	624	107	23	16
45–54 years . . . . .	108	18.8	576	3	4	13	25	63	148	194	85	28	11	2	–

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, 2002—Con.**

Age and race and Hispanic origin of mother	Low birthweight <sup>1</sup>		Birthweight <sup>2</sup>												
	Number	Percent	Total	Less than 500 grams	500– 999 grams	1,000– 1,499 grams	1,500– 1,999 grams	2,000– 2,499 grams	2,500– 2,999 grams	3,000– 3,499 grams	3,500– 3,999 grams	4,000– 4,499 grams	4,500– 4,999 grams	5,000– grams or more	Not stated
<b>Non-Hispanic black</b>															
All ages . . . . .	77,376	13.4	578,335	2,365	7,711	8,118	14,882	44,300	137,584	220,468	113,972	24,310	3,587	462	576
Under 15 years . . . . .	472	15.1	3,132	13	54	35	86	284	944	1,174	466	68	5	–	3
15–19 years . . . . .	14,143	13.9	101,494	388	1,233	1,314	2,642	8,566	27,877	40,168	16,431	2,492	262	27	94
15 years . . . . .	909	14.7	6,191	24	87	93	158	547	1,814	2,432	886	127	13	2	8
16 years . . . . .	1,745	14.7	11,846	43	160	155	335	1,052	3,260	4,724	1,801	269	31	3	13
17 years . . . . .	2,701	14.2	18,980	70	261	244	464	1,662	5,366	7,504	2,922	419	43	5	20
18 years . . . . .	3,880	14.0	27,656	122	329	368	742	2,319	7,510	10,931	4,512	721	68	6	28
19 years . . . . .	4,908	13.3	36,821	129	396	454	943	2,986	9,927	14,577	6,310	956	107	11	25
20–24 years . . . . .	24,603	12.9	190,241	681	2,276	2,405	4,582	14,659	47,669	74,531	35,636	6,688	842	88	184
25–29 years . . . . .	16,502	12.4	132,824	546	1,751	1,836	3,140	9,229	29,450	50,921	28,248	6,431	1,014	135	123
30–34 years . . . . .	12,439	13.5	92,155	471	1,439	1,383	2,501	6,645	18,976	33,529	20,821	5,335	840	120	95
35–39 years . . . . .	7,163	15.3	46,831	224	766	881	1,495	3,797	10,044	16,230	10,087	2,670	508	67	62
40–44 years . . . . .	1,946	17.6	11,097	39	188	251	411	1,057	2,479	3,726	2,203	599	106	23	15
45–54 years . . . . .	108	19.3	561	3	4	13	25	63	145	189	80	27	10	2	–
<b>Hispanic<sup>5</sup></b>															
All ages . . . . .	57,383	6.5	876,642	992	3,984	5,240	10,943	36,224	149,219	349,830	245,222	63,667	9,691	1,217	413
Under 15 years . . . . .	291	12.0	2,421	5	32	25	62	167	580	1,006	457	78	8	–	1
15–19 years . . . . .	9,967	7.8	127,900	171	700	809	1,855	6,432	27,298	54,651	29,716	5,553	581	65	69
15 years . . . . .	617	9.3	6,647	15	59	48	111	384	1,557	2,828	1,392	233	10	4	6
16 years . . . . .	1,348	8.8	15,321	22	92	133	263	838	3,471	6,643	3,273	534	39	5	8
17 years . . . . .	1,995	8.1	24,772	34	139	164	354	1,304	5,471	10,556	5,541	1,063	112	17	17
18 years . . . . .	2,655	7.6	35,123	50	175	205	506	1,719	7,389	14,966	8,340	1,563	172	17	21
19 years . . . . .	3,352	7.3	46,037	50	235	259	621	2,187	9,410	19,658	11,170	2,160	248	22	17
20–24 years . . . . .	16,313	6.2	265,235	283	995	1,353	2,922	10,760	48,075	110,786	71,345	16,227	2,116	235	138
25–29 years . . . . .	13,551	5.7	236,143	251	949	1,254	2,549	8,548	36,722	92,791	70,406	19,182	3,042	357	92
30–34 years . . . . .	10,100	6.4	157,887	161	763	981	2,046	6,149	23,245	59,263	47,859	14,567	2,452	335	66
35–39 years . . . . .	5,662	7.9	71,480	96	449	642	1,185	3,290	10,796	25,737	21,108	6,724	1,245	168	40
40–44 years . . . . .	1,384	9.3	14,809	21	86	164	297	816	2,354	5,336	4,161	1,279	234	55	6
45–54 years . . . . .	115	15.0	767	4	10	12	27	62	149	260	170	57	13	2	1

– Quantity zero.

<sup>1</sup>Less than 2,500 grams (5 lb 8 oz).<sup>2</sup>Equivalents of gram weights in terms of pounds and ounces are shown in "Technical Notes."<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>5</sup>Includes all persons of Hispanic origin of any race.



**Table 46. Number and percent of births of low birthweight, by race and Hispanic origin of mother: United States, each State and territory, 2002**

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

State	Number						Percent					
	All races <sup>1</sup>	White		Black		Hispanic <sup>3</sup>	All races <sup>1</sup>	White		Black		Hispanic <sup>3</sup>
		Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic			Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic	
United States <sup>4</sup>	314,077	215,799	158,592	78,813	77,376	57,383	7.8	6.8	6.9	13.3	13.4	6.5
Alabama	5,825	3,140	2,957	2,626	2,620	189	9.9	7.9	7.9	14.4	14.3	7.4
Alaska	579	331	205	48	27	51	5.8	5.2	4.6	11.1	10.1	6.4
Arizona	5,938	5,039	2,608	326	310	2,415	6.8	6.5	6.7	11.7	12.2	6.4
Arkansas	3,204	2,136	1,957	1,008	1,007	169	8.6	7.3	7.5	13.6	13.6	5.5
California	33,824	25,064	9,838	3,765	3,658	15,134	6.4	5.8	6.0	11.5	11.6	5.8
Colorado	6,067	5,338	3,609	422	403	1,777	8.9	8.6	8.6	14.4	14.6	8.5
Connecticut	3,258	2,406	1,866	652	624	560	7.8	6.9	6.7	12.6	12.7	8.0
Delaware	1,102	651	553	403	403	97	9.9	8.2	8.3	14.9	15.0	7.4
District of Columbia	866	186	105	673	659	88	11.6	7.0	6.1	14.6	14.5	9.2
Florida	17,320	10,902	7,476	5,889	5,791	3,503	8.4	7.1	7.3	12.7	12.8	6.8
Georgia	11,915	5,840	4,799	5,672	5,564	1,015	8.9	6.8	7.0	13.3	13.3	6.0
Hawaii	1,450	278	219	49	48	218	8.3	7.0	6.9	10.3	10.9	9.0
Idaho	1,284	1,228	1,028	12	10	184	6.1	6.1	6.0	*	*	6.6
Illinois	14,725	9,451	6,944	4,545	4,517	2,530	8.2	6.7	7.0	14.3	14.3	6.2
Indiana	6,463	5,140	4,741	1,205	1,203	388	7.6	6.9	7.0	13.0	13.0	6.3
Iowa	2,489	2,277	2,131	130	127	149	6.6	6.5	6.5	10.3	10.2	6.2
Kansas	2,757	2,312	1,992	354	351	299	7.0	6.6	6.7	12.3	12.4	6.0
Kentucky	4,657	3,875	3,749	711	709	132	8.6	8.0	8.0	14.4	14.4	8.1
Louisiana	6,774	2,749	2,678	3,905	3,895	79	10.4	7.5	7.6	14.7	14.6	5.7
Maine	853	822	810	16	16	11	6.3	6.3	6.3	*	*	*
Maryland	6,607	3,145	2,723	3,178	3,163	418	9.0	7.0	7.0	13.1	13.2	6.9
Massachusetts	6,046	4,663	3,928	933	798	813	7.5	7.0	6.7	11.2	12.1	8.5
Michigan	10,363	6,869	6,306	3,120	3,100	458	8.0	6.7	6.7	13.9	14.0	6.3
Minnesota	4,251	3,343	3,022	520	511	284	6.3	5.8	5.7	10.7	10.8	6.1
Mississippi	4,635	1,824	1,776	2,767	2,767	47	11.2	8.1	8.2	15.2	15.2	5.7
Missouri	6,034	4,365	4,151	1,527	1,526	210	8.0	7.0	7.0	13.9	13.9	6.4
Montana	755	634	600	6	5	25	6.8	6.7	6.7	*	*	6.5
Nebraska	1,817	1,538	1,301	196	194	202	7.2	6.7	6.8	13.6	13.7	6.1
Nevada	2,445	1,843	1,093	379	370	738	7.5	6.8	7.0	14.5	14.6	6.5
New Hampshire	914	866	828	18	17	20	6.3	6.3	6.5	*	*	4.0
New Jersey	9,185	5,846	4,232	2,546	2,388	1,753	8.0	6.9	6.9	12.8	13.3	7.1
New Mexico	2,225	1,871	680	71	68	1,200	8.0	8.0	7.8	13.9	14.3	8.2
New York	19,802	12,276	8,513	5,945	5,552	4,077	7.9	6.8	6.5	12.0	12.3	7.5
North Carolina	10,514	6,238	5,332	3,875	3,860	923	9.0	7.3	7.6	14.1	14.1	6.1
North Dakota	486	412	391	12	11	11	6.3	6.1	6.0	*	*	*
Ohio	12,334	8,927	8,562	3,118	3,105	351	8.3	7.3	7.3	13.8	13.9	7.3
Oklahoma	4,019	2,946	2,593	652	646	367	8.0	7.5	7.5	13.9	13.8	7.0
Oregon	2,608	2,290	1,862	90	88	428	5.8	5.6	5.7	9.6	9.8	5.3
Pennsylvania	11,685	8,463	7,609	2,839	2,773	798	8.2	7.2	7.0	14.0	14.1	9.2
Rhode Island	1,019	823	543	123	114	173	7.9	7.5	7.4	10.8	11.1	7.5
South Carolina	5,455	2,672	2,456	2,679	2,674	216	10.0	7.6	7.6	14.7	14.8	6.8
South Dakota	765	604	582	12	12	24	7.2	7.0	7.0	*	*	7.5
Tennessee	7,106	4,593	4,347	2,370	2,359	253	9.2	7.7	7.9	14.6	14.5	5.8
Texas	28,646	22,264	9,698	5,301	5,242	12,534	7.7	7.0	7.1	12.7	12.8	7.0
Utah	3,164	2,938	2,478	49	49	451	6.4	6.3	6.3	14.5	15.7	6.5
Vermont	409	406	403	—	—	2	6.4	6.5	6.6	*	*	*
Virginia	7,888	4,615	4,025	2,781	2,763	605	7.9	6.5	6.5	12.6	12.6	6.2
Washington	4,604	3,646	2,937	344	335	651	5.9	5.5	5.5	10.2	10.4	5.3
West Virginia	1,855	1,741	1,726	96	96	7	9.0	8.8	8.7	14.2	14.2	*
Wisconsin	4,538	3,462	3,173	848	841	302	6.6	5.9	5.9	13.2	13.3	5.7
Wyoming	553	511	457	7	7	54	8.4	8.3	8.3	*	*	8.7
Puerto Rico	6,039	5,480	—	558	—	—	11.5	11.5	—	11.3	—	—
Virgin Islands	193	42	9	141	125	44	11.8	13.0	*	11.5	11.5	13.7
Guam	255	13	10	4	4	3	8.0	*	*	*	*	*
American Samoa	64	3	—	—	—	—	3.9	*	—	*	—	—
Northern Marianas	89	1	—	—	—	—	6.9	*	—	*	—	—

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

— Quantity zero.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.



**Table 47. Number and percent of births of very low birthweight, by race and Hispanic origin of mother: United States, each State and territory, 2002**

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

State	Number						Percent					
	All races <sup>1</sup>	White		Black		Hispanic <sup>3</sup>	All races <sup>1</sup>	White		Black		Hispanic <sup>3</sup>
		Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic			Total <sup>2</sup>	Non-Hispanic	Total <sup>2</sup>	Non-Hispanic	
United States <sup>4</sup>	58,544	37,092	26,900	18,542	18,194	10,216	1.5	1.2	1.2	3.1	3.1	1.2
Alabama	1,206	553	525	646	644	31	2.0	1.4	1.4	3.5	3.5	1.2
Alaska	92	45	23	6	4	8	0.9	0.7	0.5	*	*	*
Arizona	958	808	439	69	66	369	1.1	1.0	1.1	2.5	2.6	1.0
Arkansas	578	352	322	219	218	31	1.5	1.2	1.2	3.0	2.9	1.0
California	6,075	4,474	1,685	889	860	2,747	1.1	1.0	1.0	2.7	2.7	1.0
Colorado	885	754	493	80	74	272	1.3	1.2	1.2	2.7	2.7	1.3
Connecticut	664	469	337	167	162	132	1.6	1.4	1.2	3.2	3.3	1.9
Delaware	219	132	110	80	80	21	2.0	1.7	1.7	3.0	3.0	1.6
District of Columbia	200	33	17	166	161	17	2.7	1.2	*	3.6	3.5	*
Florida	3,295	1,798	1,184	1,426	1,401	624	1.6	1.2	1.2	3.1	3.1	1.2
Georgia	2,287	965	781	1,264	1,238	185	1.7	1.1	1.1	3.0	2.9	1.1
Hawaii	266	63	51	11	11	36	1.5	1.6	1.6	*	*	1.5
Idaho	195	180	141	3	3	35	0.9	0.9	0.8	*	*	1.3
Illinois	2,968	1,742	1,254	1,105	1,097	490	1.6	1.2	1.3	3.5	3.5	1.2
Indiana	1,172	906	833	246	246	73	1.4	1.2	1.2	2.6	2.7	1.2
Iowa	433	392	360	27	26	33	1.2	1.1	1.1	2.1	2.1	1.4
Kansas	505	403	341	85	84	59	1.3	1.2	1.2	2.9	3.0	1.2
Kentucky	878	697	676	169	168	21	1.6	1.4	1.4	3.4	3.4	1.3
Louisiana	1,312	417	402	870	868	16	2.0	1.1	1.1	3.3	3.3	*
Maine	159	153	150	6	6	3	1.2	1.2	1.2	*	*	*
Maryland	1,394	568	501	782	777	68	1.9	1.3	1.3	3.2	3.2	1.1
Massachusetts	1,089	788	635	224	185	175	1.4	1.2	1.1	2.7	2.8	1.8
Michigan	2,032	1,221	1,109	774	766	93	1.6	1.2	1.2	3.5	3.5	1.3
Minnesota	814	616	556	136	132	54	1.2	1.1	1.1	2.8	2.8	1.2
Mississippi	922	312	308	601	601	4	2.2	1.4	1.4	3.3	3.3	*
Missouri	1,162	772	722	369	368	51	1.5	1.2	1.2	3.3	3.4	1.6
Montana	122	98	94	2	2	4	1.1	1.0	1.0	*	*	*
Nebraska	327	269	229	46	46	32	1.3	1.2	1.2	3.2	3.2	1.0
Nevada	412	301	173	79	76	125	1.3	1.1	1.1	3.0	3.0	1.1
New Hampshire	157	152	144	1	1	2	1.1	1.1	1.1	*	*	*
New Jersey	1,760	987	681	657	620	337	1.5	1.2	1.1	3.3	3.4	1.4
New Mexico	343	276	105	12	11	172	1.2	1.2	1.2	*	*	1.2
New York	3,825	2,173	1,440	1,436	1,359	791	1.5	1.2	1.1	2.9	3.0	1.4
North Carolina	2,138	1,079	927	986	983	159	1.8	1.3	1.3	3.6	3.6	1.1
North Dakota	84	70	69	2	2	-	1.1	1.0	1.1	*	*	*
Ohio	2,391	1,618	1,535	725	724	78	1.6	1.3	1.3	3.2	3.2	1.6
Oklahoma	638	456	413	112	112	43	1.3	1.2	1.2	2.4	2.4	0.8
Oregon	463	406	334	16	16	72	1.0	1.0	1.0	*	*	0.9
Pennsylvania	2,299	1,560	1,391	691	677	152	1.6	1.3	1.3	3.4	3.4	1.7
Rhode Island	224	181	114	35	31	47	1.7	1.6	1.6	3.1	3.0	2.0
South Carolina	1,045	449	415	577	576	35	1.9	1.3	1.3	3.2	3.2	1.1
South Dakota	94	69	67	1	1	4	0.9	0.8	0.8	*	*	*
Tennessee	1,333	774	747	544	541	28	1.7	1.3	1.4	3.3	3.3	0.6
Texas	4,973	3,684	1,581	1,164	1,150	2,102	1.3	1.2	1.1	2.8	2.8	1.2
Utah	466	430	344	5	5	81	0.9	0.9	0.9	*	*	1.2
Vermont	68	68	67	-	-	1	1.1	1.1	1.1	*	*	*
Virginia	1,616	817	701	736	727	121	1.6	1.1	1.1	3.3	3.3	1.2
Washington	780	603	480	72	67	116	1.0	0.9	0.9	2.1	2.1	0.9
West Virginia	307	280	278	22	22	2	1.5	1.4	1.4	3.2	3.3	*
Wisconsin	852	616	558	201	199	59	1.2	1.0	1.0	3.1	3.1	1.1
Wyoming	67	63	58	-	-	5	1.0	1.0	1.0	*	*	*
Puerto Rico	741	670	---	71	---	---	1.4	1.4	---	1.4	---	---
Virgin Islands	32	7	1	25	21	7	2.0	*	*	2.0	1.9	*
Guam	28	2	1	-	-	1	0.9	*	*	*	*	*
American Samoa	6	-	---	-	---	---	*	*	---	*	---	---
Northern Marianas	7	-	---	-	---	---	*	*	---	*	---	---

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

- Quantity zero. --- Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 2002**

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

Abnormal condition and race of mother	All births <sup>1</sup>	Abnormal condition reported	Age of mother								Not stated <sup>2</sup>
			All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years		
All races <sup>3</sup>											
Anemia . . . . .	4,021,726	4,080	1.0	1.0	1.0	1.0	1.0	1.1	1.5	27,558	
Birth injury <sup>4</sup> . . . . .	3,623,893	10,771	3.0	3.4	3.1	2.9	2.9	2.9	2.7	31,306	
Fetal alcohol syndrome <sup>5</sup> . . . . .	3,953,166	134	0.0	*	0.0	0.0	0.0	0.1	*	28,597	
Hyaline membrane disease/RDS. . . . .	4,021,726	24,258	6.1	6.8	6.2	5.9	5.6	6.1	7.3	27,558	
Meconium aspiration syndrome . . . . .	4,021,726	5,382	1.3	1.5	1.4	1.3	1.2	1.3	1.7	27,558	
Assisted ventilation less than 30 minutes <sup>6</sup> . . . . .	3,903,432	82,060	21.2	21.8	20.5	20.3	21.7	22.9	23.6	36,504	
Assisted ventilation 30 minutes or longer <sup>6</sup> . . . . .	3,903,432	37,284	9.6	11.1	9.5	8.9	9.3	10.4	13.2	36,504	
Seizures . . . . .	4,021,726	1,791	0.4	0.6	0.5	0.4	0.4	0.4	0.5	27,558	
White											
Anemia . . . . .	3,174,760	3,033	1.0	1.0	0.9	0.9	1.0	1.1	1.4	22,254	
Birth injury <sup>4</sup> . . . . .	2,834,630	8,737	3.1	3.5	3.3	3.0	3.0	2.9	2.8	25,539	
Fetal alcohol syndrome <sup>5</sup> . . . . .	3,115,781	100	0.0	*	0.0	*	0.0	0.1	*	23,236	
Hyaline membrane disease/RDS. . . . .	3,174,760	19,655	6.2	6.9	6.3	6.1	5.9	6.2	7.5	22,254	
Meconium aspiration syndrome . . . . .	3,174,760	4,046	1.3	1.4	1.3	1.3	1.2	1.2	1.7	22,254	
Assisted ventilation less than 30 minutes <sup>6</sup> . . . . .	3,106,697	66,278	21.5	21.9	20.6	20.6	22.1	23.6	24.0	29,251	
Assisted ventilation 30 minutes or longer <sup>6</sup> . . . . .	3,106,697	29,015	9.4	10.9	9.2	8.7	9.2	10.1	13.3	29,251	
Seizures . . . . .	3,174,760	1,446	0.5	0.6	0.5	0.4	0.4	0.4	0.5	22,254	
Black											
Anemia . . . . .	593,691	792	1.3	1.2	1.2	1.5	1.5	1.6	2.1	2,586	
Birth injury <sup>4</sup> . . . . .	550,607	1,015	1.9	2.1	1.9	1.8	1.8	1.7	*	2,956	
Fetal alcohol syndrome <sup>5</sup> . . . . .	587,273	26	0.0	*	*	*	*	*	*	2,617	
Hyaline membrane disease/RDS. . . . .	593,691	3,620	6.1	6.4	5.9	6.3	5.5	6.8	7.2	2,586	
Meconium aspiration syndrome . . . . .	593,691	1,007	1.7	1.7	1.5	1.7	2.0	1.9	2.1	2,586	
Assisted ventilation less than 30 minutes <sup>6</sup> . . . . .	558,610	11,532	20.8	21.2	20.0	20.4	21.7	21.3	24.5	3,632	
Assisted ventilation 30 minutes or longer <sup>6</sup> . . . . .	558,610	6,557	11.8	11.7	10.8	11.6	12.5	14.7	14.9	3,632	
Seizures . . . . .	593,691	250	0.4	0.6	0.4	0.4	0.4	*	*	2,586	

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Total number of births to residents of areas reporting specified abnormal condition.<sup>2</sup>No response reported for the abnormal condition item.<sup>3</sup>Includes races other than white and black.<sup>4</sup>Nebraska and Texas do not report this condition.<sup>5</sup>Wisconsin does not report this condition.<sup>6</sup>New York City does not report this condition.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 2002**

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

Congenital anomaly and race of mother	All births <sup>1</sup>	Congenital anomaly reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	
All races <sup>3</sup>										
Anencephalus . . . . .	3,993,973	391	9.9	13.4	10.6	7.9	9.7	8.9	*	28,613
Spina bifida/Meningocele. . . . .	3,993,973	793	20.0	21.6	22.6	19.1	19.0	17.4	*	28,613
Hydrocephalus. . . . .	3,993,973	892	22.5	27.5	24.2	21.6	17.9	24.6	27.1	28,613
Microcephalus . . . . .	3,993,973	219	5.5	6.8	5.3	5.0	5.0	5.8	*	28,613
Other central nervous system anomalies . . . . .	3,993,973	881	22.2	27.5	21.6	22.2	19.9	21.5	31.1	28,613
Heart malformations . . . . .	3,993,973	5,152	129.9	118.6	120.6	124.4	131.7	148.8	228.7	28,613
Other circulatory/respiratory anomalies . . . . .	3,993,973	5,222	131.7	124.5	125.7	125.3	132.1	150.9	200.6	28,613
Rectal atresia/stenosis . . . . .	3,993,973	329	8.3	8.7	8.3	6.4	8.0	12.1	*	28,613
Tracheo-esophageal fistula/Esoophageal atresia. . . . .	3,993,973	430	10.8	8.5	9.8	9.5	12.3	14.8	*	28,613
Omphalocele/Gastroschisis . . . . .	3,993,973	1,203	30.3	81.3	42.5	19.6	13.4	16.8	23.1	28,613
Other gastrointestinal anomalies . . . . .	3,993,973	1,432	36.1	38.3	38.6	33.5	32.2	37.8	59.2	28,613
Malformed genitalia . . . . .	3,993,973	3,433	86.6	87.4	84.1	83.3	91.5	84.5	105.3	28,613
Renal agenesis . . . . .	3,993,973	612	15.4	16.0	13.8	15.2	16.9	15.2	*	28,613
Other urogenital anomalies . . . . .	3,993,973	4,036	101.8	94.2	96.7	97.8	108.1	110.6	128.4	28,613
Cleft lip/palate . . . . .	3,993,973	3,114	78.5	86.0	86.9	77.2	68.5	72.0	99.3	28,613
Polydactyly/Syndactyly/Adactyly . . . . .	3,993,973	3,259	82.2	102.6	89.9	77.4	73.8	74.0	82.3	28,613
Clubfoot . . . . .	3,993,973	2,363	59.6	68.1	67.3	56.7	53.5	51.6	69.2	28,613
Diaphragmatic hernia. . . . .	3,993,973	479	12.1	10.3	12.5	12.2	10.7	13.6	20.1	28,613
Other musculoskeletal/integumental anomalies . . . . .	3,993,973	9,077	228.9	265.4	249.3	213.3	213.2	211.9	254.8	28,613
Down's syndrome . . . . .	3,993,973	1,850	46.7	25.6	22.8	27.0	41.3	107.5	360.2	28,613
Other chromosomal anomalies . . . . .	3,993,973	1,253	31.6	24.4	25.1	24.2	27.7	54.8	138.4	28,613
White										
Anencephalus . . . . .	3,151,479	306	9.8	11.2	10.0	8.7	9.8	10.2	*	22,660
Spina bifida/Meningocele. . . . .	3,151,479	646	20.6	23.7	22.6	21.0	18.9	18.1	*	22,660
Hydrocephalus. . . . .	3,151,479	705	22.5	23.0	25.0	22.5	18.2	25.0	27.5	22,660
Microcephalus . . . . .	3,151,479	176	5.6	*	5.4	5.1	5.5	5.5	*	22,660
Other central nervous system anomalies . . . . .	3,151,479	705	22.5	29.2	22.2	22.3	20.2	21.7	30.0	22,660
Heart malformations . . . . .	3,151,479	4,069	130.0	121.3	120.7	122.2	132.6	148.5	227.3	22,660
Other circulatory/respiratory anomalies . . . . .	3,151,479	4,139	132.3	131.1	130.0	125.5	129.9	144.3	197.3	22,660
Rectal atresia/stenosis . . . . .	3,151,479	274	8.8	8.9	8.6	6.9	8.2	13.4	*	22,660
Tracheo-esophageal fistula/Esoophageal atresia. . . . .	3,151,479	360	11.5	8.9	10.6	9.8	12.9	16.2	*	22,660
Omphalocele/Gastroschisis . . . . .	3,151,479	956	30.6	92.0	45.6	19.1	12.5	14.5	*	22,660
Other gastrointestinal anomalies . . . . .	3,151,479	1,131	36.1	39.4	36.6	33.7	33.0	38.7	63.7	22,660
Malformed genitalia . . . . .	3,151,479	2,906	92.9	96.9	91.9	89.9	96.5	87.8	106.2	22,660
Renal agenesis . . . . .	3,151,479	514	16.4	15.8	15.9	16.2	17.3	15.6	*	22,660
Other urogenital anomalies . . . . .	3,151,479	3,324	106.2	101.9	101.3	100.6	112.6	115.3	127.4	22,660
Cleft lip/palate . . . . .	3,151,479	2,668	85.3	97.6	96.3	85.6	74.0	71.9	97.4	22,660
Polydactyly/Syndactyly/Adactyly . . . . .	3,151,479	1,902	60.8	65.4	61.1	60.1	58.6	61.5	64.9	22,660
Clubfoot . . . . .	3,151,479	2,048	65.5	78.9	73.6	63.2	58.1	55.2	76.2	22,660
Diaphragmatic hernia. . . . .	3,151,479	394	12.6	9.5	13.9	13.5	10.1	14.3	*	22,660
Other musculoskeletal/integumental anomalies . . . . .	3,151,479	5,891	188.3	211.6	204.2	174.1	183.6	175.9	196.1	22,660
Down's syndrome . . . . .	3,151,479	1,602	51.2	29.6	24.2	29.7	45.4	115.3	383.4	22,660
Other chromosomal anomalies . . . . .	3,151,479	1,029	32.9	24.6	26.7	25.4	28.6	55.2	142.4	22,660

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, 2002—Con.**

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

Congenital anomaly and race of mother	All births <sup>1</sup>	Congenital anomaly reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	
Black										
Anencephalus . . . . .	593,180	62	10.5	*	12.9	*	*	*	*	2,781
Spina bifida/Meningocele. . . . .	593,180	122	20.7	*	26.3	*	24.4	*	*	2,781
Hydrocephalus. . . . .	593,180	145	24.6	39.4	21.2	19.1	*	*	*	2,781
Microcephalus . . . . .	593,180	28	4.7	*	*	*	*	*	*	2,781
Other central nervous system anomalies . . . . .	593,180	119	20.2	19.7	20.1	20.6	*	*	*	2,781
Heart malformations . . . . .	593,180	788	133.5	108.9	113.6	145.8	147.2	178.9	242.8	2,781
Other circulatory/respiratory anomalies . . . . .	593,180	673	114.0	90.2	94.5	114.9	136.6	183.1	175.8	2,781
Rectal atresia/stenosis . . . . .	593,180	35	5.9	*	*	*	*	*	*	2,781
Tracheo-esophageal fistula/Esophageal atresia. . . . .	593,180	40	6.8	*	*	*	*	*	*	2,781
Omphalocele/Gastroschisis . . . . .	593,180	187	31.7	53.5	27.4	24.3	22.2	*	*	2,781
Other gastrointestinal anomalies . . . . .	593,180	207	35.1	31.0	40.3	35.3	26.5	*	*	2,781
Malformed genitalia. . . . .	593,180	317	53.7	57.3	52.1	47.1	57.2	58.3	*	2,781
Renal agenesis . . . . .	593,180	71	12.0	*	*	*	*	*	*	2,781
Other urogenital anomalies . . . . .	593,180	403	68.3	60.1	64.0	71.4	75.2	66.6	*	2,781
Cleft lip/palate . . . . .	593,180	239	40.5	37.6	48.5	30.9	32.8	43.7	*	2,781
Polydactyly/Syndactyly/Adactyly. . . . .	593,180	1214	205.6	210.4	209.1	195.9	218.2	187.3	192.6	2,781
Clubfoot . . . . .	593,180	224	37.9	42.3	47.0	28.7	30.7	*	*	2,781
Diaphragmatic hernia. . . . .	593,180	69	11.7	*	*	*	*	*	*	2,781
Other musculoskeletal/integumental anomalies . . . . .	593,180	2529	428.4	401.0	416.7	417.5	458.6	459.8	619.6	2,781
Down's syndrome. . . . .	593,180	163	27.6	*	16.0	15.5	23.3	79.1	293.0	2,781
Other chromosomal anomalies . . . . .	593,180	145	24.6	23.5	20.7	16.9	22.2	47.9	*	2,781

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Total number of births to residents of areas reporting specified congenital anomaly.<sup>2</sup>No response reported for the congenital anomalies item.<sup>3</sup>Includes races other than white and black.

NOTES: Excludes data for New Mexico, which did not report congenital anomalies. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget guidelines. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2002**

Plurality and race and Hispanic origin 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	40–44 years	45–54 years
			Total	15–17 years	18–19 years						
All live births						Number					
All races <sup>1</sup>	4,021,726	7,315	425,493	138,731	286,762	1,022,106	1,060,391	951,219	453,927	95,788	5,487
White total <sup>2</sup>	3,174,760	3,884	305,988	95,864	210,124	783,000	851,142	779,535	369,833	76,928	4,450
Non-Hispanic white	2,298,156	1,493	179,511	49,756	129,755	519,153	614,909	620,173	297,436	61,853	3,628
Black total <sup>2</sup>	593,691	3,188	103,795	37,889	65,906	194,704	136,591	95,006	48,388	11,443	576
Non-Hispanic black	578,335	3,132	101,494	37,017	64,477	190,241	132,824	92,155	46,831	11,097	561
Hispanic <sup>3</sup>	876,642	2,421	127,900	46,740	81,160	265,235	236,143	157,887	71,480	14,809	767
Live births in single deliveries											
All races <sup>1</sup>	3,889,191	7,226	418,654	136,793	281,861	998,739	1,028,038	911,431	430,447	90,378	4,278
White total <sup>2</sup>	3,069,915	3,833	301,654	94,666	206,988	766,890	825,777	746,091	350,039	72,238	3,393
Non-Hispanic white	2,212,453	1,473	176,872	49,119	127,753	507,680	594,703	591,239	280,164	57,649	2,673
Black total <sup>2</sup>	572,659	3,151	101,510	37,210	64,300	188,283	131,197	90,889	46,082	11,022	525
Non-Hispanic black	557,680	3,095	99,254	36,352	62,902	183,895	127,535	88,122	44,584	10,685	510
Hispanic <sup>3</sup>	857,777	2,390	126,167	46,161	80,006	260,592	230,978	153,490	69,092	14,377	691
Live births in twin deliveries											
All races <sup>1</sup>	125,134	89	6,746	1,921	4,825	22,856	30,725	36,956	21,637	5,033	1,092
White total <sup>2</sup>	98,304	51	4,277	1,187	3,090	15,717	23,942	30,849	18,172	4,350	946
Non-Hispanic white	79,949	20	2,605	631	1,974	11,183	18,962	26,581	15,846	3,889	863
Black total <sup>2</sup>	20,423	37	2,255	673	1,582	6,315	5,234	3,949	2,181	401	51
Non-Hispanic black	20,064	37	2,210	659	1,551	6,240	5,135	3,871	2,128	392	51
Hispanic <sup>3</sup>	18,128	31	1,710	574	1,136	4,549	4,980	4,176	2,208	413	61
Live births in higher order multiple deliveries <sup>4</sup>											
All races <sup>1</sup>	7,401	–	93	17	76	511	1,628	2,832	1,843	377	117
White total <sup>2</sup>	6,541	–	57	11	46	393	1,423	2,595	1,622	340	111
Non-Hispanic white	5,754	–	34	6	28	290	1,244	2,353	1,426	315	92
Black total <sup>2</sup>	609	–	30	6	24	106	160	168	125	20	–
Non-Hispanic black	591	–	30	6	24	106	154	162	119	20	–
Hispanic <sup>3</sup>	737	–	23	5	18	94	185	221	180	19	15
All multiple births						Ratio per 1,000 live births					
All races <sup>1</sup>	33.0	12.2	16.1	14.0	17.1	22.9	30.5	41.8	51.7	56.5	220.3
White total <sup>2</sup>	33.0	13.1	14.2	12.5	14.9	20.6	29.8	42.9	53.5	61.0	237.5
Non-Hispanic white	37.3	13.4	14.7	12.8	15.4	22.1	32.9	46.7	58.1	68.0	263.2
Black total <sup>2</sup>	35.4	11.6	22.0	17.9	24.4	33.0	39.5	43.3	47.7	36.8	88.5
Non-Hispanic black	35.7	11.8	22.1	18.0	24.4	33.4	39.8	43.8	48.0	37.1	90.9
Hispanic <sup>3</sup>	21.5	12.8	13.5	12.4	14.2	17.5	21.9	27.8	33.4	29.2	99.1
Twin births											
All races <sup>1</sup>	31.1	12.2	15.9	13.8	16.8	22.4	29.0	38.9	47.7	52.5	199.0
White total <sup>2</sup>	31.0	13.1	14.0	12.4	14.7	20.1	28.1	39.6	49.1	56.5	212.6
Non-Hispanic white	34.8	13.4	14.5	12.7	15.2	21.5	30.8	42.9	53.3	62.9	237.9
Black total <sup>2</sup>	34.4	11.6	21.7	17.8	24.0	32.4	38.3	41.6	45.1	35.0	88.5
Non-Hispanic black	34.7	11.8	21.8	17.8	24.1	32.8	38.7	42.0	45.4	35.3	90.9
Hispanic <sup>3</sup>	20.7	12.8	13.4	12.3	14.0	17.2	21.1	26.4	30.9	27.9	79.5
Higher order multiple births <sup>4</sup>						Ratio per 100,000 live births					
All races <sup>1</sup>	184.0	*	21.9	*	26.5	50.0	153.5	297.7	406.0	393.6	2132.3
White total <sup>2</sup>	206.0	*	18.6	*	21.9	50.2	167.2	332.9	438.6	442.0	2494.4
Non-Hispanic white	250.4	*	18.9	*	21.6	55.9	202.3	379.4	479.4	509.3	2535.8
Black total <sup>2</sup>	102.6	*	28.9	*	36.4	54.4	117.1	176.8	258.3	174.8	*
Non-Hispanic black	102.2	*	29.6	*	37.2	55.7	115.9	175.8	254.1	180.2	*
Hispanic <sup>3</sup>	84.1	*	18.0	*	*	35.4	78.3	140.0	251.8	*	*

– Quantity zero.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget guidelines. 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."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Births in greater than twin deliveries.

## Technical Notes

### Source of data

Data shown in this report for 2002 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 the percent of records with missing information for maternal and infant characteristics included in this report is shown by State in [table 1](#). Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the “[Technical Notes](#)” for more information.

### Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by five States (Kentucky, Nevada, North Dakota, Virginia, and Wyoming) and American Samoa. From 1964 to 1996, mother's age was edited for ages 10–49 years. Births reported to occur to mothers younger than age 10 or older than age 49 years had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths). Beginning in 1997, age of mother is imputed for ages 9 years or under and 55 years and over. A review and verification of unedited birth data for 1996 showed that the vast majority of births reported as occurring to women aged 50 years and over were to women aged 50–54 years. The numbers of births to women aged 50–54 years are too small for computing age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

In 2002 age of mother was not reported on 0.01 percent of the records; for these records age of mother was imputed according to the last record with the same race and total birth order.

### Race and Hispanic origin

Race and Hispanic origin are reported separately on the birth certificate. Beginning with the 1989 data year, NCHS started tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate.

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. 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 (111). They include

the 1989 revision of the birth certificate, which includes many more health questions that are directly associated with the mother. In these instances, it is more appropriate to tabulate births by the mother's race. A second factor has been the increasing incidence of interracial parentage. In 2002, 5.4 percent of births were to parents of different races compared with just 1.9 percent for 1980. A third factor influencing the decision to tabulate births by race of mother is the large proportion of births with race of father not stated, 14 percent in 2002. Although this proportion declined slightly in the 1990s, it is still higher than in 1979, 11 percent. The high proportion of records with the father's race not reported reflects the increase in the proportion of births to unmarried women; in many such cases, no information is reported on the father. These births are already assigned the race of the mother because there is no alternative. Tabulating all births by race of mother, therefore, provides for a more uniform approach, rather than a necessarily arbitrary combination of parental races.

In 1997 the Office of Management and Budget (OMB) issued “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity,” which revised the “1977 Statistical Policy Directive 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting” (8,7,10). These documents specify guidelines for collection, tabulation, and presentation of race and ethnicity data within the Federal statistical system. The 1977 standards required Federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native, Asian or Pacific Islander, Black, and White. The 1997 revision incorporated two major changes designed to reflect changing national racial and ethnic profiles of the United States. First, the revision increased from four to five the minimum set of categories to be used by Federal agencies for identification of race. The five categories for race specified in the 1997 standards are: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. Collection of additional detail on race and ethnicity is permitted, as before, so long as the additional categories can be aggregated into the minimum categories. The revised standards also require Federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the revised OMB standard. However, the National Vital Statistics System, which is based on data collected by the States, will not be fully compliant with the new standards until States revise their birth certificates to reflect the new standards. Birth certificates currently report only one race for each parent in the categories specified in the earlier 1977 OMB guidelines. In addition, birth certificate data do not report Asians separately from Native Hawaiians or Other Pacific Islanders. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see “Population denominators”). To compute rates, it is necessary to “bridge” the reported population data for multiple-race persons back to single-race categories. This has been done for birth rates by race presented in this report. Beginning with births occurring in 2003, several States began reporting multiple-race data. Once all States revise their birth registration systems to be compliant with the 1997 OMB standard, the use of “bridged” populations can be discontinued.

Race of mother is reported by all registration areas in eight categories: white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and “other” Asian or Pacific Islander (API). In



**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2002**

[By place of residence]

Area	All births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Hispanic origin	
							Mother	Father
Total of reporting areas <sup>1</sup> . . . . .	4,021,726	0.0	0.0	0.2	13.4	14.2	0.6	14.1
Alabama . . . . .	58,967	—	0.0	0.1	21.3	21.5	0.1	21.3
Alaska . . . . .	9,938	0.2	0.0	0.7	14.3	16.3	22.5	22.9
Arizona . . . . .	87,837	0.0	0.0	0.1	21.1	22.5	1.1	22.1
Arkansas . . . . .	37,437	0.0	0.0	0.6	19.7	21.6	0.5	20.6
California . . . . .	529,357	0.0	0.0	0.2	7.1	7.0	0.8	6.6
Colorado . . . . .	68,418	—	—	0.4	8.1	8.7	0.0	8.7
Connecticut . . . . .	42,001	0.0	0.1	0.4	9.8	11.3	0.8	10.7
Delaware . . . . .	11,090	—	0.0	0.2	31.4	32.7	0.1	31.3
District of Columbia . . . . .	7,498	—	—	0.1	39.4	48.8	0.7	39.2
Florida . . . . .	205,579	0.0	0.0	0.1	16.1	16.5	0.2	18.2
Georgia . . . . .	133,300	0.0	0.0	0.2	17.2	17.5	1.3	18.3
Hawaii . . . . .	17,477	—	0.1	0.2	10.0	10.1	0.2	10.1
Idaho . . . . .	20,970	0.0	0.0	0.5	7.9	11.8	1.6	12.1
Illinois . . . . .	180,622	0.0	—	0.1	13.1	14.7	0.0	14.6
Indiana . . . . .	85,081	0.0	0.1	0.1	12.9	12.9	0.4	13.1
Iowa . . . . .	37,559	0.0	0.0	0.0	13.6	14.3	0.2	13.9
Kansas . . . . .	39,412	—	0.0	0.1	10.2	10.7	1.0	11.6
Kentucky . . . . .	54,233	—	0.1	0.0	19.4	22.2	0.1	22.3
Louisiana . . . . .	64,872	0.0	0.0	0.0	20.0	20.1	0.1	20.0
Maine . . . . .	13,559	—	0.0	—	9.1	13.2	0.3	13.5
Maryland . . . . .	73,323	—	0.0	0.4	12.0	13.9	0.4	11.7
Massachusetts . . . . .	80,645	0.0	0.0	0.0	7.2	7.2	0.6	6.6
Michigan . . . . .	129,967	0.0	0.1	0.1	14.1	16.5	1.6	17.3
Minnesota . . . . .	68,025	0.0	0.0	0.2	8.9	13.4	1.3	14.0
Mississippi . . . . .	41,518	0.0	0.0	0.1	21.4	21.2	0.1	21.4
Missouri . . . . .	75,251	—	0.0	0.2	18.8	18.9	0.1	18.0
Montana . . . . .	11,049	—	0.1	0.0	9.5	11.0	1.8	12.6
Nebraska . . . . .	25,383	0.0	0.0	0.0	12.0	13.9	2.3	14.2
Nevada . . . . .	32,571	—	0.0	0.4	21.5	22.6	0.7	21.6
New Hampshire . . . . .	14,442	—	0.0	0.1	5.4	7.4	3.8	10.6
New Jersey . . . . .	114,751	0.0	0.0	0.1	7.6	9.1	0.1	7.8
New Mexico . . . . .	27,753	0.0	—	1.3	20.6	20.1	0.0	20.1
New York . . . . .	251,415	0.0	0.0	0.3	13.3	13.9	0.4	13.5
North Carolina . . . . .	117,335	—	0.0	0.0	15.6	15.7	0.1	15.8
North Dakota . . . . .	7,757	—	—	0.0	8.5	9.0	1.6	10.6
Ohio . . . . .	148,720	0.0	0.0	0.4	15.0	15.6	0.2	15.1
Oklahoma . . . . .	50,387	—	0.0	0.0	17.5	20.0	0.0	19.8
Oregon . . . . .	45,192	—	0.0	0.1	9.9	4.1	0.6	4.5
Pennsylvania . . . . .	142,850	0.0	0.1	1.0	5.1	5.9	0.8	4.6
Rhode Island . . . . .	12,894	0.0	0.0	0.4	12.9	13.5	11.7	22.2
South Carolina . . . . .	54,570	0.0	0.0	0.1	26.9	27.0	0.2	26.9
South Dakota . . . . .	10,698	—	—	0.0	13.8	14.0	0.1	14.2
Tennessee . . . . .	77,482	—	0.0	0.1	15.3	15.7	0.0	15.5
Texas . . . . .	372,450	0.0	0.0	0.4	14.1	14.4	0.4	14.5
Utah . . . . .	49,182	0.0	0.0	0.2	7.8	9.3	0.4	8.9
Vermont . . . . .	6,387	0.0	—	0.2	8.3	12.8	1.2	13.7
Virginia . . . . .	99,672	—	0.0	0.1	16.2	18.7	0.2	16.4
Washington . . . . .	79,028	—	0.1	0.4	10.1	13.2	1.8	13.4
West Virginia . . . . .	20,712	0.0	0.0	0.1	13.0	13.2	0.2	13.2
Wisconsin . . . . .	68,560	0.0	—	0.1	29.6	29.7	0.0	29.6
Wyoming . . . . .	6,550	—	—	0.2	13.8	14.0	0.0	13.9
Puerto Rico . . . . .	52,747	—	0.0	—	3.1	4.0	---	---
Virgin Islands . . . . .	1,634	—	0.6	0.1	18.7	20.6	4.3	26.2
Guam . . . . .	3,212	0.1	0.9	0.6	22.0	22.3	2.8	29.0
American Samoa . . . . .	1,627	0.2	0.3	5.7	32.0	32.9	---	---
Northern Marianas . . . . .	1,290	—	—	—	8.1	7.1	---	---

See footnotes at end of table.

**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2002—Con.**

[By place of residence]

Area	Educational attainment of mother	Live-birth order	Length of gestation	Month prenatal care began	Number of prenatal visits
Total of reporting areas <sup>1</sup> . . . . .	1.3	0.3	1.0	2.0	2.7
Alabama . . . . .	0.2	0.0	0.1	0.3	0.3
Alaska . . . . .	4.8	5.8	0.5	5.3	8.2
Arizona . . . . .	2.0	0.4	0.1	1.1	1.9
Arkansas . . . . .	0.9	0.1	0.2	1.5	1.8
California . . . . .	2.2	0.1	<sup>2</sup> 6.6	1.9	3.0
Colorado . . . . .	0.8	0.0	0.0	1.5	2.0
Connecticut . . . . .	0.8	0.1	0.1	1.2	2.4
Delaware . . . . .	0.7	0.1	0.1	0.4	0.5
District of Columbia . . . . .	8.8	1.5	0.2	12.0	7.1
Florida . . . . .	0.8	0.0	0.1	1.2	2.3
Georgia . . . . .	1.5	0.2	0.1	1.7	2.0
Hawaii . . . . .	1.0	0.1	0.3	2.2	2.1
Idaho . . . . .	3.2	0.2	0.2	2.9	2.4
Illinois . . . . .	1.1	0.2	0.2	2.5	3.0
Indiana . . . . .	0.5	0.1	0.1	1.0	1.9
Iowa . . . . .	0.2	0.0	0.1	0.2	0.3
Kansas . . . . .	0.3	0.0	0.1	0.8	1.1
Kentucky . . . . .	0.3	0.1	0.2	1.2	1.6
Louisiana . . . . .	0.1	0.0	0.1	0.2	0.1
Maine . . . . .	0.5	0.1	0.1	0.2	0.2
Maryland . . . . .	1.5	0.3	0.2	1.7	2.5
Massachusetts . . . . .	0.3	0.2	0.2	1.4	0.5
Michigan . . . . .	2.1	0.4	0.1	2.0	2.7
Minnesota . . . . .	1.7	0.5	0.3	3.7	5.0
Mississippi . . . . .	0.3	0.1	0.2	0.9	1.7
Missouri . . . . .	0.8	0.6	0.2	2.0	4.0
Montana . . . . .	0.4	0.0	0.1	0.5	0.6
Nebraska . . . . .	0.1	0.0	0.0	0.3	0.3
Nevada . . . . .	2.8	0.8	0.9	4.2	6.8
New Hampshire . . . . .	1.3	0.1	0.2	1.7	1.3
New Jersey . . . . .	1.2	0.2	0.0	1.3	1.5
New Mexico . . . . .	2.6	0.4	0.3	4.3	4.9
New York . . . . .	0.9	0.3	0.1	3.4	2.1
North Carolina . . . . .	0.2	0.0	0.0	0.7	0.6
North Dakota . . . . .	0.4	0.0	0.1	0.8	0.8
Ohio . . . . .	0.9	0.8	0.0	1.4	2.8
Oklahoma . . . . .	0.3	0.0	0.1	1.0	0.5
Oregon . . . . .	1.4	0.0	0.0	0.1	0.2
Pennsylvania . . . . .	2.8	0.6	0.5	6.3	7.0
Rhode Island . . . . .	2.4	1.4	0.1	4.1	4.6
South Carolina . . . . .	0.4	0.1	0.1	0.8	0.9
South Dakota . . . . .	0.1	0.0	0.0	0.2	0.2
Tennessee . . . . .	0.3	0.0	0.3	2.1	2.2
Texas . . . . .	1.5	0.3	0.4	1.4	3.6
Utah . . . . .	1.3	0.3	0.0	2.4	2.3
Vermont . . . . .	0.8	0.2	0.1	4.1	0.9
Virginia . . . . .	1.3	0.0	0.0	0.2	1.2
Washington . . . . .	5.5	1.4	0.9	8.8	11.5
West Virginia . . . . .	0.7	0.0	0.1	2.9	1.7
Wisconsin . . . . .	0.4	0.0	0.0	0.2	0.3
Wyoming . . . . .	0.3	0.0	0.1	0.5	0.6
Puerto Rico . . . . .	0.2	0.0	0.0	0.3	0.1
Virgin Islands . . . . .	1.4	0.8	0.8	—	1.6
Guam . . . . .	1.3	1.4	0.2	1.4	1.7
American Samoa . . . . .	---	—	---	---	---
Northern Marianas . . . . .	0.5	—	0.8	1.6	1.3

See footnotes at end of table.



**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2002—Con.**

[By place of residence]

Area	Birthweight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain
Total of reporting areas <sup>1</sup> . . . . .	0.1	0.4	0.7	0.5	0.7	6.3
Alabama . . . . .	0.1	0.2	0.0	0.1	0.1	2.7
Alaska . . . . .	0.3	0.5	3.2	1.0	1.1	7.7
Arizona . . . . .	0.1	0.5	0.0	1.0	1.2	15.8
Arkansas . . . . .	0.0	3.3	0.0	0.8	0.9	9.3
California . . . . .	0.0	---	0.0	---	---	---
Colorado . . . . .	0.0	0.3	0.0	0.1	0.1	2.6
Connecticut . . . . .	0.0	0.2	1.0	0.4	0.4	2.8
Delaware . . . . .	0.0	0.1	0.0	0.1	0.1	1.2
District of Columbia . . . . .	0.1	0.5	—	—	—	12.3
Florida . . . . .	0.0	0.2	0.0	0.1	0.1	5.4
Georgia . . . . .	0.0	0.4	0.4	0.3	0.3	9.6
Hawaii . . . . .	0.1	0.4	0.1	0.1	0.1	13.6
Idaho . . . . .	0.1	0.5	0.3	0.4	0.6	8.6
Illinois . . . . .	0.1	0.2	0.0	0.2	0.1	4.3
Indiana . . . . .	0.4	0.3	0.0	<sup>4</sup> 0.2	0.2	2.4
Iowa . . . . .	0.0	0.3	0.0	0.1	0.1	0.5
Kansas . . . . .	0.0	0.7	<sup>3</sup> 0.1	0.1	0.1	0.2
Kentucky . . . . .	0.2	0.3	2.3	1.7	2.3	6.9
Louisiana . . . . .	0.1	0.3	0.1	0.1	0.1	5.1
Maine . . . . .	0.1	0.1	0.1	0.1	0.2	0.7
Maryland . . . . .	0.0	0.3	0.0	0.1	0.1	3.4
Massachusetts . . . . .	0.2	0.3	0.2	0.2	0.2	0.8
Michigan . . . . .	0.1	0.3	0.0	0.9	1.0	6.8
Minnesota . . . . .	0.1	0.3	7.0	5.5	5.6	16.3
Mississippi . . . . .	0.1	0.3	0.2	0.2	0.2	5.9
Missouri . . . . .	0.1	0.6	0.1	0.5	0.5	3.5
Montana . . . . .	0.1	0.4	0.0	0.7	1.0	1.3
Nebraska . . . . .	0.0	0.2	0.0	0.1	0.1	1.4
Nevada . . . . .	0.0	1.5	2.0	1.7	1.7	7.4
New Hampshire . . . . .	0.1	0.3	0.0	0.3	0.3	3.9
New Jersey . . . . .	0.1	0.2	0.4	0.3	0.4	2.1
New Mexico . . . . .	0.2	3.4	0.0	1.1	1.1	7.2
New York . . . . .	0.1	0.2	2.3	<sup>4</sup> 0.2	0.2	5.1
North Carolina . . . . .	0.1	0.3	0.0	0.2	0.2	2.5
North Dakota . . . . .	0.1	0.2	0.2	1.3	1.8	3.2
Ohio . . . . .	0.1	0.2	0.0	0.3	0.3	3.2
Oklahoma . . . . .	0.0	1.0	1.2	0.2	0.2	1.5
Oregon . . . . .	0.0	0.4	0.8	1.1	1.1	2.4
Pennsylvania . . . . .	0.0	0.4	0.1	1.0	1.0	13.5
Rhode Island . . . . .	0.2	0.3	9.0	2.0	2.0	14.3
South Carolina . . . . .	0.0	0.2	0.0	0.1	0.1	1.7
South Dakota . . . . .	0.0	0.3	0.0	<sup>5</sup> 0.1	<sup>5</sup> 0.2	0.6
Tennessee . . . . .	0.0	0.3	0.0	0.2	0.2	8.3
Texas . . . . .	0.1	---	<sup>6</sup> 0.6	0.3	0.3	9.0
Utah . . . . .	0.1	0.3	0.1	0.6	0.7	3.5
Vermont . . . . .	0.2	0.3	0.1	0.5	0.3	1.1
Virginia . . . . .	0.1	0.1	0.0	0.0	0.0	3.4
Washington . . . . .	0.5	0.7	11.1	2.7	9.2	26.8
West Virginia . . . . .	0.1	0.3	0.7	0.5	1.0	8.1
Wisconsin . . . . .	0.0	0.4	0.1	0.1	0.1	2.2
Wyoming . . . . .	0.0	0.2	0.0	0.1	0.2	1.5
Puerto Rico . . . . .	0.0	0.1	0.0	0.0	0.0	0.1
Virgin Islands . . . . .	0.3	2.6	5.3	0.6	0.6	20.4
Guam . . . . .	0.2	0.7	1.4	0.4	0.6	3.7
American Samoa . . . . .	—	---	---	---	---	---
Northern Marianas . . . . .	0.4	1.4	---	<sup>5</sup> 0.9	<sup>5</sup> 1.0	---

See footnotes at end of table.

**Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2002—Con.**

[By place of residence]

Area	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
Total of reporting areas <sup>1</sup>	0.4	0.5	0.5	0.7	0.7
Alabama	0.0	0.0	0.5	0.0	0.0
Alaska	3.1	3.0	0.2	3.7	4.2
Arizona	0.0	0.0	0.4	0.0	0.3
Arkansas	0.0	0.0	0.4	0.0	0.0
California	0.0	0.0	0.0	0.0	0.0
Colorado	0.0	0.0	0.0	0.0	0.2
Connecticut	0.5	0.6	0.5	2.2	2.6
Delaware	0.1	0.0	0.0	0.1	0.0
District of Columbia	—	—	0.1	—	—
Florida	0.0	0.0	0.6	0.0	0.0
Georgia	0.0	0.0	0.5	0.0	0.0
Hawaii	0.0	0.1	0.6	0.1	0.0
Idaho	0.3	0.4	0.4	0.4	0.4
Illinois	0.0	0.0	0.5	0.0	0.1
Indiana	0.0	0.0	0.5	0.0	0.0
Iowa	0.0	0.0	0.6	0.1	0.0
Kansas	0.1	0.1	0.3	0.1	0.2
Kentucky	1.5	2.3	2.1	3.2	1.9
Louisiana	0.1	0.1	0.1	0.1	0.1
Maine	0.1	0.0	0.3	0.1	0.1
Maryland	0.0	0.0	0.3	0.0	0.0
Massachusetts	0.3	0.3	0.4	0.4	0.7
Michigan	0.0	0.0	0.5	0.0	0.0
Minnesota	4.6	6.6	1.4	7.3	7.4
Mississippi	0.0	0.1	0.3	0.1	0.1
Missouri	0.1	0.1	0.6	0.1	0.1
Montana	0.0	0.0	0.2	0.0	0.0
Nebraska	0.0	0.0	0.3	<sup>7</sup> 0.1	0.0
Nevada	0.7	1.3	1.3	1.1	2.3
New Hampshire	0.0	0.0	0.4	0.0	0.1
New Jersey	0.0	0.2	0.8	0.3	0.5
New Mexico	0.0	0.0	0.6	0.0	—
New York	0.2	0.6	0.5	<sup>8</sup> 2.1	2.0
North Carolina	0.0	0.0	0.5	0.0	0.0
North Dakota	0.1	0.1	1.7	0.3	0.2
Ohio	0.0	0.0	0.7	0.0	0.0
Oklahoma	0.9	1.2	1.4	1.9	<sup>11</sup> 2.6
Oregon	0.0	0.0	0.5	0.0	0.0
Pennsylvania	0.0	0.0	0.1	0.0	0.0
Rhode Island	8.9	9.0	0.6	18.5	18.9
South Carolina	—	—	1.0	—	—
South Dakota	0.0	0.0	0.5	0.0	0.0
Tennessee	0.0	0.0	0.7	0.0	0.0
Texas	0.0	<sup>9</sup> 0.0	0.8	<sup>7</sup> 0.0	0.0
Utah	0.0	0.0	0.1	0.1	0.1
Vermont	0.0	0.1	0.1	0.1	0.1
Virginia	—	—	0.5	0.2	0.0
Washington	9.1	10.6	0.4	11.0	11.2
West Virginia	0.1	0.3	0.3	0.5	0.2
Wisconsin	0.0	0.1	0.0	<sup>10</sup> 0.1	0.1
Wyoming	0.0	0.0	0.1	0.0	0.0
Puerto Rico	0.0	0.1	0.0	0.0	0.1
Virgin Islands	2.1	6.9	1.1	8.0	6.9
Guam	0.5	1.9	0.4	1.2	1.5
American Samoa	---	---	---	---	---
Northern Marianas	---	---	1.5	---	---

0.0 Quantity more than zero but less than 0.05. — Quantity zero. --- Data not available.

<sup>1</sup>Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas. <sup>2</sup>California reports date last normal menses began but does not report clinical estimate of gestation. <sup>3</sup>Kansas does not report Rh sensitization.<sup>4</sup>Indiana and New York State report tobacco use but do not report the average number of cigarettes smoked per day in standard categories; data for New York City are reported in standard categories.<sup>5</sup>South Dakota and the Commonwealth of the Northern Marianas report tobacco and alcohol use but do not report the average number of cigarettes smoked per day or the average number of drinks per week. <sup>6</sup>Texas does not report genital herpes and uterine bleeding. <sup>7</sup>Nebraska and Texas do not report birth injury.<sup>8</sup>New York City does not report assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more. <sup>9</sup>Texas does not report anesthetic complications and fetal distress.<sup>10</sup>Wisconsin does not report fetal alcohol syndrome.<sup>11</sup>Rates of "Other central nervous system anomalies" may be overstated for Oklahoma for 2002.

addition, 11 States (California, Hawaii, Illinois, Minnesota, Missouri, New Jersey, New York, Texas, Virginia, Washington, and West Virginia) report data on API subgroups included in the “other” API category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API). A report on births in 1992 to women in these API subgroups has been published (112).

In 2002 race of mother was not reported for 0.5 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.3 percent of births in 2002.

Hispanic origin and race are reported independently on the birth certificate, as noted previously. Data for Hispanic subgroups are shown in most cases for five groups: Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother’s reported race. In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women are reported as white. 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 (113). Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. The percent of records for which Hispanic origin of the parents was not reported in 2002 is shown by State in [table 1](#).

## Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994–96, birth certificates in 45 States and the District of Columbia included a question about the mother’s marital status. Beginning in 1997, the marital status of women giving birth in California and Nevada is determined by a direct question in the birth registration process. Beginning June 15, 1998, Connecticut discontinued inferring the mother’s marital status and added a direct question on mother’s marital status to the State’s birth certificate.

In the two States (Michigan and New York) that use inferential procedures to compile birth statistics by marital status in 2002, a birth is inferred as nonmarital if any of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father’s name is missing. In recent years, a number of States have extended their efforts to identify the fathers when the parents are not married in order to enforce child-support obligations. The presence of a paternity acknowledgment therefore is the most reliable indicator that the birth is nonmarital in the States not reporting this information directly; this is now the key indicator in the nonreporting States. Details of the changes in reporting procedures are described in previous reports (24,114).

The mother’s marital status was not reported in 2002 on 0.03 percent of the birth records in the 48 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as “married” for these records.

## Tobacco use

Beginning in 2000, data on whether or not the mother smoked during pregnancy is available for all States (except California) and the District of Columbia. These areas comprised 87 percent of U.S. births in 2002. Data on the number of cigarettes smoked daily were available in a comparable format for 46 States, the District of Columbia, and New York City. Indiana, New York State (except for New York City), and South Dakota reported information on number of cigarettes smoked in a format that was inconsistent with the NCHS standard (see [figure 1](#)). California did not report this information. The areas reporting on the number of cigarettes smoked comprised 81 percent of U.S. births in 2002.

## Gestation

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother’s last normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of postconception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages, which are clearly inconsistent with the infant’s plurality and birthweight (see below), but reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations (115,116).

The U.S. Standard Certificate of Live Birth includes an item, “clinical estimate of gestation,” which was compared with length of gestation computed from the date the LMP began when the latter appeared to be inconsistent with birthweight. This was 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 2002 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 re-classified as “not stated.” This was necessary for 284 births or 0.007 percent of all birth records in 2002. The levels of the adjustments in 2002 data were similar to those for earlier years (5).

## 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

<b>38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY</b> <i>(Check all that apply)</i> <ul style="list-style-type: none"> <li>Anemia (Hct. &lt; 30/Hgb. &lt; 10) . . . . . 01 <input type="checkbox"/></li> <li>Cardiac disease . . . . . 02 <input type="checkbox"/></li> <li>Acute or chronic lung disease . . . . . 03 <input type="checkbox"/></li> <li>Diabetes . . . . . 04 <input type="checkbox"/></li> <li>Genital herpes . . . . . 05 <input type="checkbox"/></li> <li>Hydramnios/Oligohydramnios . . . . . 06 <input type="checkbox"/></li> <li>Hemoglobinopathy . . . . . 07 <input type="checkbox"/></li> <li>Hypertension, chronic . . . . . 08 <input type="checkbox"/></li> <li>Hypertension, pregnancy-associated . . . . . 09 <input type="checkbox"/></li> <li>Eclampsia . . . . . 10 <input type="checkbox"/></li> <li>Incompetent cervix . . . . . 11 <input type="checkbox"/></li> <li>Previous infant 4000+ grams . . . . . 12 <input type="checkbox"/></li> <li>Previous preterm or small-for-gestational-age infant . . . . . 13 <input type="checkbox"/></li> <li>Renal disease . . . . . 14 <input type="checkbox"/></li> <li>Rh sensitization . . . . . 15 <input type="checkbox"/></li> <li>Uterine bleeding . . . . . 16 <input type="checkbox"/></li> <li>None . . . . . 00 <input type="checkbox"/></li> <li>Other . . . . . 17 <input type="checkbox"/></li> </ul> <i>(Specify)</i>	<b>40. COMPLICATIONS OF LABOR AND/OR DELIVERY</b> <i>(Check all that apply)</i> <ul style="list-style-type: none"> <li>Feverile (&gt; 100°F. or 38°C.) . . . . . 01 <input type="checkbox"/></li> <li>Meconium, moderate/heavy . . . . . 02 <input type="checkbox"/></li> <li>Premature rupture of membrane (&gt; 12 hours) . . . . . 03 <input type="checkbox"/></li> <li>Abruptio placenta . . . . . 04 <input type="checkbox"/></li> <li>Placenta previa . . . . . 05 <input type="checkbox"/></li> <li>Other excessive bleeding . . . . . 06 <input type="checkbox"/></li> <li>Seizures during labor . . . . . 07 <input type="checkbox"/></li> <li>Precipitous labor (&lt; 3 hours) . . . . . 08 <input type="checkbox"/></li> <li>Prolonged labor (&gt; 20 hours) . . . . . 09 <input type="checkbox"/></li> <li>Dysfunctional labor . . . . . 10 <input type="checkbox"/></li> <li>Breech/Malpresentation . . . . . 11 <input type="checkbox"/></li> <li>Cephalopelvic disproportion . . . . . 12 <input type="checkbox"/></li> <li>Cord prolapse . . . . . 13 <input type="checkbox"/></li> <li>Anesthetic complications . . . . . 14 <input type="checkbox"/></li> <li>Fetal distress . . . . . 15 <input type="checkbox"/></li> <li>None . . . . . 00 <input type="checkbox"/></li> <li>Other . . . . . 16 <input type="checkbox"/></li> </ul> <i>(Specify)</i>	<b>43. CONGENITAL ANOMALIES OF CHILD</b> <i>(Check all that apply)</i> <ul style="list-style-type: none"> <li>Anencephalus . . . . . 01</li> <li>Spina bifida/Meningocele . . . . . 02</li> <li>Hydrocephalus . . . . . 03</li> <li>Microcephalus . . . . . 04</li> <li>Other central nervous system anomalies <i>(Specify)</i> . . . . . 05</li> <li>Heart malformations . . . . . 06</li> <li>Other circulatory/respiratory anomalies <i>(Specify)</i> . . . . . 07</li> <li>Rectal atresia/stenosis . . . . . 08</li> <li>Tracheo-esophageal fistula/ Esophageal atresia . . . . . 09</li> <li>Omphalocele/ Gastroschisis . . . . . 10</li> <li>Other gastrointestinal anomalies <i>(Specify)</i> . . . . . 11</li> <li>Malformed genitalia . . . . . 12</li> <li>Renal agenesis . . . . . 13</li> <li>Other urogenital anomalies <i>(Specify)</i> . . . . . 14</li> <li>Cleft lip/palate . . . . . 15</li> <li>Polydactyly/Syndactyly/Adactyly . . . . . 16</li> <li>Club foot . . . . . 17</li> <li>Diaphragmatic hernia . . . . . 18</li> <li>Other musculoskeletal/integumental anomalies <i>(Specify)</i> . . . . . 19</li> <li>Down's syndrome . . . . . 20</li> <li>Other chromosomal anomalies <i>(Specify)</i> . . . . . 21</li> <li>None . . . . . 00</li> <li>Other . . . . . 22</li> </ul> <i>(Specify)</i>
<b>38b. OTHER RISK FACTORS FOR THIS PREGNANCY</b> <i>(Complete all items)</i> <ul style="list-style-type: none"> <li>Tobacco use during pregnancy . . . . . Yes <input type="checkbox"/> No <input type="checkbox"/></li> <li>Average number cigarettes per day _____</li> <li>Alcohol use during pregnancy . . . . . Yes <input type="checkbox"/> No <input type="checkbox"/></li> <li>Average number drinks per week _____</li> <li>Weight gained during pregnancy _____ lbs.</li> </ul>	<b>41. METHOD OF DELIVERY</b> <i>(Check all that apply)</i> <ul style="list-style-type: none"> <li>Vaginal . . . . . 01 <input type="checkbox"/></li> <li>Vaginal birth after previous C-section . . . . . 02 <input type="checkbox"/></li> <li>Primary C-section . . . . . 03 <input type="checkbox"/></li> <li>Repeat C-section . . . . . 04 <input type="checkbox"/></li> <li>Forceps . . . . . 05 <input type="checkbox"/></li> <li>Vacuum . . . . . 06 <input type="checkbox"/></li> </ul>	
<b>39. OBSTETRIC PROCEDURES</b> <i>(Check all that apply)</i> <ul style="list-style-type: none"> <li>Amniocentesis . . . . . 01 <input type="checkbox"/></li> <li>Electronic fetal monitoring . . . . . 02 <input type="checkbox"/></li> <li>Induction of labor . . . . . 03 <input type="checkbox"/></li> <li>Stimulation of labor . . . . . 04 <input type="checkbox"/></li> <li>Tocolysis . . . . . 05 <input type="checkbox"/></li> <li>Ultrasound . . . . . 06 <input type="checkbox"/></li> <li>None . . . . . 00 <input type="checkbox"/></li> <li>Other . . . . . 07 <input type="checkbox"/></li> </ul> <i>(Specify)</i>	<b>42. ABNORMAL CONDITIONS OF THE NEWBORN</b> <i>(Check all that apply)</i> <ul style="list-style-type: none"> <li>Anemia (Hct. &lt; 39/Hgb. &lt; 13) . . . . . 01 <input type="checkbox"/></li> <li>Birth injury . . . . . 02 <input type="checkbox"/></li> <li>Fetal alcohol syndrome . . . . . 03 <input type="checkbox"/></li> <li>Hyaline membrane disease/RDS . . . . . 04 <input type="checkbox"/></li> <li>Meconium aspiration syndrome . . . . . 05 <input type="checkbox"/></li> <li>Assisted ventilation &lt; 30 min . . . . . 06 <input type="checkbox"/></li> <li>Assisted ventilation ≥ 30 min . . . . . 07 <input type="checkbox"/></li> <li>Seizures . . . . . 08 <input type="checkbox"/></li> <li>None . . . . . 00 <input type="checkbox"/></li> <li>Other . . . . . 09 <input type="checkbox"/></li> </ul> <i>(Specify)</i>	

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

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

### Method of delivery

Several rates are computed for method of delivery. The overall cesarean section rate or *total cesarean* rate is computed as the percent of all births that were delivered by cesarean section. The *primary cesarean* rate is a measure that relates the number of women having a first cesarean delivery to all women giving birth who 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 (VBAC)*, or method not stated. The rate for 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.

### Population denominators

Birth and fertility rates for 2002 shown in [tables 1, 3–6, 8, 9, 13, 14, A, B, and C](#) are based on populations estimated from the 2000 census, as of July 1, 2002. These populations are shown in [tables II and III](#). The population estimates have been provided by the U.S. Census Bureau (17) and are based on the 2000 census counts by age, race, and sex, which have been modified to be consistent with OMB racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere (10,11).

Birth and fertility rates by State shown in [table 10](#) are based on State-level population estimates projected from the 2000 census provided by the U.S. Census Bureau (17). 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

**Table II. Estimated total population by race, and estimated female population by age and race: United States, 2002**

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population . . . . .	288,368,706	234,746,440	37,747,692	3,076,095	12,798,479
Female population					
15–44 years . . . . .	62,044,142	48,998,121	9,026,073	731,071	3,288,877
10–14 years . . . . .	10,311,553	7,994,986	1,731,004	150,875	434,688
15–19 years . . . . .	9,905,023	7,764,527	1,559,455	143,268	437,773
15–17 years . . . . .	5,967,384	4,676,219	946,988	86,700	257,477
18–19 years . . . . .	3,937,639	3,088,308	612,467	56,568	180,296
20–24 years . . . . .	9,863,491	7,706,591	1,531,763	127,401	497,736
25–29 years . . . . .	9,331,760	7,247,653	1,380,362	110,456	593,289
30–34 years . . . . .	10,393,768	8,164,321	1,475,044	112,424	641,979
35–39 years . . . . .	10,961,381	8,730,699	1,534,119	117,384	579,179
40–44 years . . . . .	11,588,719	9,384,330	1,545,330	120,138	538,921
45–49 years . . . . .	10,810,307	8,844,142	1,366,556	105,700	493,909

NOTES: These population counts are postcensal estimates based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget guidelines.

SOURCE: U.S. Census Bureau. See reference 17.

**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, 2002**

[Populations estimated as of July 1]

Age	Hispanic				Non-Hispanic			
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>1</sup>	Total <sup>2</sup>	White	Black
Total population . . . . .	38,761,304	25,927,404	3,491,092	1,418,217	7,924,566	249,607,402	198,691,529	36,145,193
Female population								
15–44 years . . . . .	9,282,682	6,102,378	878,299	241,087	2,060,918	52,761,460	40,394,467	8,619,604
10–14 years . . . . .	1,724,621	1,224,988	150,149	34,898	314,587	8,586,932	6,409,899	1,649,550
15–19 years . . . . .	1,532,680	1,033,878	162,899	34,194	301,711	8,372,343	6,351,004	1,491,961
15–17 years . . . . .	922,312	615,761	95,008	22,870	188,675	5,045,072	3,826,729	905,629
18–19 years . . . . .	610,368	418,117	67,891	11,324	113,036	3,327,271	2,524,275	586,332
20–24 years . . . . .	1,614,569	1,113,026	137,167	34,815	329,566	8,248,922	6,216,387	1,457,446
25–29 years . . . . .	1,694,283	1,177,138	152,759	37,297	327,084	7,637,477	5,673,667	1,306,663
30–34 years . . . . .	1,659,543	1,085,092	153,026	31,013	390,414	8,734,225	6,622,138	1,402,937
35–39 years . . . . .	1,495,141	950,362	140,021	53,883	350,873	9,466,240	7,341,768	1,469,838
40–44 years . . . . .	1,286,466	742,882	132,427	49,885	361,270	10,302,253	8,189,503	1,490,759
45–49 years . . . . .	1,028,664	610,181	101,147	45,103	272,237	9,781,643	7,888,991	1,322,234

<sup>1</sup>Includes Central and South American and other and unknown Hispanic.

<sup>2</sup>Includes races other than white and black.

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget guidelines.

SOURCE: U.S. Census Bureau. See reference 17.

on monthly population estimates also based on the 2002 estimates. Rates for unmarried women shown in [tables 17](#) and [18](#) are based on distributions of the population by marital status as of March 2002 as reported by the U.S. Census Bureau in the March Current Population Survey (26), that have been adjusted to July 2002 population levels (17) by the Division of Vital Statistics, NCHS (24,114). 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, 2002 (17). Rates for Hispanic subgroups are based on special population estimates that are presented in [table III](#) in the "Technical Notes." More information about the populations for Hispanic subgroups is presented elsewhere (117).

The populations used in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are based

on the 2000 census counts. Reflecting the new guidelines issued in 1997 by the OMB, the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members (7). In addition, the 1997 OMB guidelines called for reporting of Asian persons separately from Native Hawaiians or Other Pacific Islanders. In the earlier 1977 OMB guidelines, data for Asian or Pacific Islander persons were collected as a single group (8). Birth certificates currently report only one race for each parent in the categories specified in the 1977 OMB guidelines (see "Race and Hispanic origin"). In addition, birth certificate data do not report Asians separately from Native Hawaiians or Other Pacific Islanders. Thus, birth certificate data by race (the numerators for birth and fertility rates) currently are incompatible with the population data collected in the 2000 census (the denominators for the rates).



In order to produce birth and fertility rates for 1991 through 2002, it was necessary to “bridge” the reported population data for multiple-race persons back to single race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB racial categories, that is, to report the data for Asian persons and Native Hawaiians or Other Pacific Islanders as a combined category of Asian or Pacific Islanders (9,118). The procedures used to produce the “bridged” populations are described in separate publications (10,11). Beginning with births occurring in 2003, several States began reporting multiple-race data. Once all States revise their birth certificates to be compliant with the 1997 OMB standard, the use of “bridged” populations can be discontinued.

Populations used to calculate the rates for 1991–99 are based on population estimates as of July 1 of each year and were produced by the U.S. Census Bureau, with support from the National Cancer Institute (10,6,119). These intercensal population estimates for 1991–99 are revised based on the April 1, 2000, census. The rates for 1990 and 2000 are based on populations from the censuses in those years as of April 1.

Birth and fertility rates for 1991–2001 shown in this report have been revised from those published in the annual reports of final data for 2001 (5). Previously published birth and fertility rates for 1991 to 2001 were based on postcensal population estimates derived from the 1990 census. The revised rates shown here are based on revised population estimates consistent with the 2000 census. The revised population estimates are based on the 2000 census counts by age, race, and sex, which have been modified to be consistent with OMB racial categories as of 1977 (8) and historical categories for birth data. The modification procedures are described in detail elsewhere (10,11).

The 1991–99 population estimates for women aged 15–17 and 18–19 years by race and by age for the Hispanic subgroups were prepared by the Division of Vital Statistics, NCHS. The population estimates were produced by applying proportions derived from the 1990-based population estimates (according to data year, race, and Hispanic origin for the female teenage population, and data year, sex, and age for the Hispanic subgroup population) to the 2000-based population of women aged 15–19 years, and Hispanic females by age group, and adjusting the sum of the population estimates to be consistent with the total population of women aged 15–19 years for each race group and for Hispanics by age (2000 based). Rates for teenagers based on these population estimates are intended as interim measures, and caution should be used in interpreting the rates and trends. When the necessary population estimates based on the 2000 census become available from the U.S. Census Bureau, the rates for women aged 15–17 and 18–19 years will be recalculated and presented. Revised population estimates for the Hispanic subgroups are not expected.

Readers should keep in mind that the population data used to compile birth and fertility rates by race and ethnicity shown in this report are based on special estimation procedures, and are not actual counts. This is the case even for the 2000 populations that are based on the 2000 census. As a result, the estimation procedures used to develop these populations may contain some errors. Smaller populations, for example, American Indians, are likely to be affected much more than larger populations by potential measurement error (10). While the nature and magnitude of error is unknown, the potential for error should be kept in mind when evaluating trends and differentials. As more accurate information becomes available, further revisions of the estimates may be necessary.

## 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 (0.6 percent) were actually to Hispanic mothers (see [table I](#)). In computing the rates, the census-based populations with origin not stated are imputed. The effect on the rates is believed to be small.

An asterisk (\*) is shown in place of any derived rate based on fewer than 20 births in the numerator, or a population denominator of less than 50 (unweighted) for decennial years and 75,000 (weighted) for all other years for the Hispanic subgroups. Rates based on populations below these minimum levels lack sufficient reliability for analytic purposes. These guidelines follow the suggestions of the U.S. Census Bureau (120,121). The population estimates for some Hispanic subgroups, especially Cubans, do not meet the above minimum. Therefore, age-specific rates are not shown for some groups. However, summary fertility measures (i.e., crude birth rate, general fertility rate, and total fertility rate) are possible, and these have been included.

**Age of father**—Information on age of father is often missing on birth certificates of children born to unmarried women ([table I](#)). In computing birth rates by age of father, births where age of father is not stated are distributed in the same proportions as births with known age within each 5-year age classification of mother. This procedure is followed because, while father's age is missing on 13 percent of the birth certificates, one-quarter 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 3](#), [6](#), and [11](#) 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 3](#), for example, show that women aged 40–44 years experienced the most change of any group over the period, and also that they had the greatest increase in rates since 1985.

## Random variation and significance testing for natality data

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

When the number of births is used for analytic purposes (that is, the comparison of numbers, rates, and percents over time, for different areas, or between different groups), the number of events that *actually* occurred can be thought of as one outcome in a large series of possible results that *could have* occurred under the same (or similar) circumstances. When considered in this way, the number of births is subject to random variation and a probable range of values estimated from the actual figures, according to certain statistical assumptions.

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

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

When the number of vital events is large, the distribution is assumed to follow a normal distribution (where the relative standard error is small). When the number of events is small and the probability of the event is small, the distribution is assumed to follow a Poisson probability distribution. Considerable caution should be observed in interpreting the occurrence of infrequent events.

### 95-percent confidence limits for numbers less than 100

When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution (122). Confidence limits are estimated using the following formulas:

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

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

where

$B$  = number of births

$L$  = the value in [table IV](#) that corresponds to the number of events  $B$

$U$  = the value in [table IV](#) that corresponds to the number of events  $B$

### Example

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

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

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

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

### 95-percent confidence limits for numbers of 100 or more

When the number of events is greater than 100, the data are assumed to approximate a normal distribution. Formulas for 95-percent confidence limits are:

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

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

where

$B$  = number of births

### Example

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

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

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

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

### Computing confidence intervals for rates

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

### 95-percent confidence limits for rates based on fewer than 100 events

When the number of events in the numerator is less than 20 (or the population denominator is less than 50 for decennial years and 75,000 for all other years for the Hispanic subgroups), an asterisk (\*) is shown in place of the rate because there were too few births or the population is too small to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100 (and the population denominator for the Hispanic subgroups is above the minimum), the confidence interval for a rate can be estimated using the two formulas that follow and the values in [table IV](#).

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

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

**Table IV. Values of L and U for calculating 95-percent confidence limits for numbers of events and rates when the number of events is less than 100**

<i>N</i>	<i>L</i>	<i>U</i>	<i>N</i>	<i>L</i>	<i>U</i>
1	0.02532	5.57164	51	0.74457	1.31482
2	0.12110	3.61234	52	0.74685	1.31137
3	0.20622	2.92242	53	0.74907	1.30802
4	0.27247	2.56040	54	0.75123	1.30478
5	0.32470	2.33367	55	0.75334	1.30164
6	0.36698	2.17658	56	0.75539	1.29858
7	0.40205	2.06038	57	0.75739	1.29562
8	0.43173	1.97040	58	0.75934	1.29273
9	0.45726	1.89831	59	0.76125	1.28993
10	0.47954	1.83904	60	0.76311	1.28720
11	0.49920	1.78928	61	0.76492	1.28454
12	0.51671	1.74680	62	0.76669	1.28195
13	0.53246	1.71003	63	0.76843	1.27943
14	0.54671	1.67783	64	0.77012	1.27698
15	0.55969	1.64935	65	0.77178	1.27458
16	0.57159	1.62394	66	0.77340	1.27225
17	0.58254	1.60110	67	0.77499	1.26996
18	0.59266	1.58043	68	0.77654	1.26774
19	0.60207	1.56162	69	0.77806	1.26556
20	0.61083	1.54442	70	0.77955	1.26344
21	0.61902	1.52861	71	0.78101	1.26136
22	0.62669	1.51401	72	0.78244	1.25933
23	0.63391	1.50049	73	0.78384	1.25735
24	0.64072	1.48792	74	0.78522	1.25541
25	0.64715	1.47620	75	0.78656	1.25351
26	0.65323	1.46523	76	0.78789	1.25165
27	0.65901	1.45495	77	0.78918	1.24983
28	0.66449	1.44528	78	0.79046	1.24805
29	0.66972	1.43617	79	0.79171	1.24630
30	0.67470	1.42756	80	0.79294	1.24459
31	0.67945	1.41942	81	0.79414	1.24291
32	0.68400	1.41170	82	0.79533	1.24126
33	0.68835	1.40437	83	0.79649	1.23965
34	0.69253	1.39740	84	0.79764	1.23807
35	0.69654	1.39076	85	0.79876	1.23652
36	0.70039	1.38442	86	0.79987	1.23499
37	0.70409	1.37837	87	0.80096	1.23350
38	0.70766	1.37258	88	0.80203	1.23203
39	0.71110	1.36703	89	0.80308	1.23059
40	0.71441	1.36172	90	0.80412	1.22917
41	0.71762	1.35661	91	0.80514	1.22778
42	0.72071	1.35171	92	0.80614	1.22641
43	0.72370	1.34699	93	0.80713	1.22507
44	0.72660	1.34245	94	0.80810	1.22375
45	0.72941	1.33808	95	0.80906	1.22245
46	0.73213	1.33386	96	0.81000	1.22117
47	0.73476	1.32979	97	0.81093	1.21992
48	0.73732	1.32585	98	0.81185	1.21868
49	0.73981	1.32205	99	0.81275	1.21746
50	0.74222	1.31838			

where

$R$  = birth rate

$L$  = the value in [table IV](#) that corresponds to the number of events  $B$

$U$  = the value in [table IV](#) that corresponds to the number of events  $B$

#### Example

Suppose that the first birth rate for American Indian women aged 40–44 years was 0.50 per 1,000, based on 47 births in the numerator. Using [table IV](#):

$$\text{Lower limit} = 0.50 \times 0.73476 = 0.37$$

$$\text{Upper limit} = 0.50 \times 1.32979 = 0.66$$

This means that the chances are 95 out of 100 that the actual first birth rate for American Indian women aged 40–44 years lies between 0.37 and 0.66.

#### 95-percent confidence limits for rates when the numerator is 100 or more

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

$$\text{Lower limit} = R - [1.96 \times (R / \sqrt{B})]$$

$$\text{Upper limit} = R + [1.96 \times (R / \sqrt{B})]$$



where

$R$  = birth rate

$B$  = number of births

### Example

Suppose that the first birth rate for white women aged 40–44 years was 1.55 per 1,000, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 1.55 - [1.96 \times (1.55 / \sqrt{14,108})] \\ &= 1.55 - 0.026 \\ &= 1.52\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 1.55 + [1.96 \times (1.55 / \sqrt{14,108})] \\ &= 1.55 + 0.026 \\ &= 1.58\end{aligned}$$

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

### Computing 95-percent confidence intervals for percents

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

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

where

$B$  = number of births in the denominator

$p$  = percent divided by 100

$q = 1 - p$

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

$$\text{Lower limit} = p - [1.96 \times (\sqrt{p \times q / B})]$$

$$\text{Upper limit} = p + [1.96 \times (\sqrt{p \times q / B})]$$

where

$p$  = percent divided by 100

$q = 1 - p$

$B$  = number of births in the denominator

### Example

Suppose that the percent of births to Hispanic women in Arizona that were to unmarried women was 49.7 percent. This was based on

14,751 births in the numerator and 29,682 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

$$29,682 \times 0.497 = 14,752$$

$$29,682 \times (1 - 0.497) = 29,682 \times 0.503 = 14,930$$

Both 14,752 and 14,930 are greater than 5 so we can proceed. The 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 0.497 - [1.96 \times (\sqrt{0.497 \times 0.503 / 29,682})] \\ &= 0.497 - 0.006 \\ &= 0.491 \text{ or } 49.1 \text{ percent}\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 0.497 + [1.96 \times (\sqrt{0.497 \times 0.503 / 29,682})] \\ &= 0.497 + 0.006 \\ &= 0.503 \text{ or } 50.3 \text{ percent}\end{aligned}$$

This means that the chances are 95 out of 100 that the actual percent of births to unmarried Hispanic women in Arizona lies between 49.1 and 50.3 percent.

### Significance testing

#### One or both of the rates is based on fewer than 100 cases

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

### Example

Suppose that the first birth rate for American Indian women aged 40–44 years was 0.70 per 1,000 in year X and 0.57 in year Y. Is the rate for year X significantly higher than the rate for year Y? The two rates are based on 63 events in year X and 54 events in year Y. Both rates are based on fewer than 100 events; therefore, the first step is to compute the confidence intervals for both rates.

	Lower Limit	Upper Limit
Year X . . . . .	0.54	0.90
Year Y . . . . .	0.43	0.74

These two confidence intervals overlap. Therefore, the first birth rate for American Indian women aged 40–44 in year X is not significantly higher (at the 95-percent confidence level) than the rate in year Y.

This method of comparing confidence intervals is a conservative test for statistical significance. That is, the difference between two rates may, in fact, be statistically significant even though confidence intervals for the two rates overlap (123). Thus, caution should be observed when interpreting a nonsignificant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

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

When both rates are based on 100 or more events, the difference between the two rates, irrespective of sign (+/-), is

considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

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

where

$R_1$  = first rate

$R_2$  = second rate

$N_1$  = first number of births

$N_2$  = second number of births

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

### Example

Is the first birth rate for black women aged 40–44 years (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is  $1.55 - 1.08 = 0.47$ . The statistic is then calculated as follows:

$$\begin{aligned} & 1.96 \times \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}} \\ &= 1.96 \times \sqrt{[(1.166/1,535) + (2.403/14,108)]} \\ &= 1.96 \times \sqrt{0.00076 + 0.00017} \\ &= 1.96 \times \sqrt{0.00093} \\ &= 1.96 \times 0.03 \\ &= 0.06 \end{aligned}$$

The difference between the rates (0.47) is greater than this statistic (0.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

### Testing differences between two percents

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

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

where

$B$  = number of births in the denominator

$p$  = percent divided by 100

$q = 1 - p$

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

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

where

$B_1$  = number of births in the denominator of the first percent

$B_2$  = number of births in the denominator of the second percent

$$p = \frac{B_1 \times p_1 + B_2 \times p_2}{B_1 + B_2}$$

$p_1$  = the first percent

$p_2$  = the second percent

### Example

Is the percent of births to Hispanic women that were to unmarried women higher in New Mexico (50.2) than in Arizona (49.7)? Suppose that the number in the denominator was 13,714 in New Mexico and 29,682 in Arizona. The necessary conditions are met for both percents (calculations not shown). The difference between the two percents is  $0.502 - 0.497 = 0.005$ . The statistic is then calculated as follows:

$$\begin{aligned} & 1.96 \times \sqrt{0.499 \times (0.501) \times (0.000106609)} = 1.96 \times \sqrt{0.000026652} \\ &= 1.96 \times 0.005162563 \\ &= 0.010 \end{aligned}$$

The difference between the percents (0.005) is less than this statistic (0.010). Therefore, the difference is not statistically significant at the 95-percent confidence level.

Information on computing confidence intervals for and testing differences between rates for Hispanic subgroups is available elsewhere (117).

### 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 1](#)). The definitions that follow are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association of Public Health Statistics and Information Systems, formerly known as the Association for Vital Records and Health Statistics (124).

### 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 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

*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 that 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).

## 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.

## 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 that occurred at birth.

*Fetal alcohol syndrome*—A syndrome of altered prenatal growth and development occurring in infants born to 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.

## Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics include age of mother (22); Hispanic origin births (113); twin births (102); trends in teenage births (23); cesarean deliveries (125); attendant at birth, place of delivery, and obstetric procedures (60,61); births to unmarried mothers (24); trends in pregnancies and pregnancy rates (12); and trends in smoking (41,43).

## Contents

Abstract . . . . .	1
Highlights . . . . .	2
Introduction . . . . .	3
Methods . . . . .	3
Demographic Characteristics . . . . .	4
Births and birth rates . . . . .	4
Sex ratio . . . . .	8
Month of birth . . . . .	8
Day of the week of birth . . . . .	8
Births to unmarried women . . . . .	8
Age of father . . . . .	10
Educational attainment . . . . .	11
Maternal Lifestyle and Health Characteristics . . . . .	11
Weight gain . . . . .	11
Medical risk factors . . . . .	11
Tobacco use during pregnancy . . . . .	12
Alcohol use during pregnancy . . . . .	13
Medical Services Utilization . . . . .	13
Prenatal care . . . . .	13
Obstetric procedures . . . . .	13
Complications of labor and/or delivery . . . . .	14
Attendant at birth and place of delivery . . . . .	15
Method of delivery . . . . .	15
Infant Health Characteristics . . . . .	16
Period of gestation . . . . .	16
Birthweight . . . . .	17
Apgar score . . . . .	19
Abnormal conditions of the newborn . . . . .	19
Congenital anomalies . . . . .	20
Multiple births . . . . .	21
References . . . . .	23
List of Detailed Tables . . . . .	26
Guide to Tables in Births: Final Data for 2002 . . . . .	28
Technical Notes . . . . .	99

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