

# **DOCUMENTATION OF THE DETAIL NATALITY PUBLIC USE FILE FOR 2004**

**NOTE: THE RECORD LAYOUT OF THIS FILE HAS  
CHANGED SUBSTANTIALLY. USERS  
SHOULD READ THIS DOCUMENT  
CAREFULLY.**

**Public Use Data Tape Documentation - Natality Detail 2004 Data**

This tape documentation was prepared in the Division of Vital Statistics by Steve Steimel of the Systems, Programming, and Statistical Resources Branch (SPSRB) and Paul Sutton, Brady Hamilton of the Reproductive Statistics Branch (RSB). Thomas D. Dunn of SPSRB was responsible for coordinating the natality documentation.

Sharon Kirmeyer of RSB 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).

Included in this document are:

1. Introduction to the Public Use Documentation for 2004
2. List of data elements and tape locations.
3. Machine/File/Data Characteristics.
4. Detail Record Layout.
5. Geographic Code Lists for the United States and the Territories.
6. Lists of Metropolitan Statistical Areas the United States and the Territories.
7. List of Country Codes.
8. Natality Technical Appendix for 2004.
9. Births: Final Data for 2004.
10. Control Total Tables for Selected Revised Certificate Items.

#### 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

## **Public Use File Documentation**

### **Natality 2004**

#### ***Introduction***

United States birth data represent all births registered in the 50 States, the District of Columbia, New York City, Puerto Rico, Virgin Islands, American Samoa, and the Commonwealth of the Northern Marianas. The Center for Disease Control and Prevention's National Center for Health Statistics (NCHS) receives these data as electronic files, prepared from individual records processed by each registration area, through the Vital Statistics Cooperative Program. Information for Guam is obtained from paper copies of original birth certificates which is coded and keyed by NCHS. Data from American Samoa first became available in 1997. Data from the Northern Marianas first became available in 1998.

Birth data for the U.S. 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 of the United States are not included in this file. Birth data for Puerto Rico, Virgin Islands, Guam and American Samoa are limited to births occurring within the respective territories. For more detailed information on the 2003 Natality file see *The Technical Appendix of the Vital Statistics of the United States, 2003, vol I natality*.

#### ***The 1989 and 2003 Revisions of the U.S. Certificate of Live Birth***

This data file includes data based on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 revision of the U.S. Standard Certificate of Live Birth in 2003 (revised). The 2003 revision is described in detail elsewhere. (See the 2003 Revision website at:

[http://www.cdc.gov/nchs/vital\\_certs\\_rev.htm](http://www.cdc.gov/nchs/vital_certs_rev.htm)). Pennsylvania and Washington implemented the revised certificate in 2003; five states, Idaho, Kentucky, New York (excluding New York City), South Carolina, and Tennessee implemented as of January 1, 2004. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven revised states, for which data are available for all of 2004,

represent 14 percent of all births. Where comparable, revised data are combined with data from the remaining 41 states and the District of Columbia. (Revised data are denoted by “R;” unrevised data are denoted by “U” in the “Rev” column of the documentation.) Where data for the 1989 and 2003 certificate revisions are not comparable (e.g., educational attainment of the mother), unrevised and revised data are given in separate fields in the data file. For the two states which revised in 2004, but after January 1, data which are not comparable across revisions are excluded from all tabulations and wherever reporting flags are used. Also see discussion of reporting flags. Data items exclusive to the 1989 Revision are shown in tables U-1 – U- 7. Selected items new to the 2003 Revision are included in this data file, see tables R-1- R-6. However, several new items are not included (e.g., infections during pregnancy, maternal morbidity). Please see section on “Incomplete National Reporting,” below. For further information please contact us at [births@cdc.gov](mailto:births@cdc.gov) or (301)458-1111.

### ***Metropolitan statistical areas***

Metropolitan statistical areas in this file are based the 1994 Office of Management and Budget (OMB) definition effective July 1, 1994. This definition has been used to define metropolitan statistical areas for natality files since 1994. A listing of these 311 Metropolitan Statistical Areas (MSA's), Primary Metropolitan Statistical Areas (PMSA's), and New England County Metropolitan Areas (NECMA's) is included in this documentation. The 18 Consolidated Metropolitan Statistical Areas (CMSA's) are also included. In June of 2003 The OMB substantially revised the methodology for classifying and coding metropolitan areas in the United States. NCHS plans to convert to the new classification scheme with the release of 2005 natality data.

### ***Confidentiality***

To minimize the risk of disclosure of individual or institutional information NCHS public use data files do not contain the actual day of the birth or the dates of birth of the mother or father. Geographic detail is also restricted; only counties and cities of 100,000 or more population based on the 2000 Census are identified.

***Incomplete National Reporting: Selecting Reporting Areas for the 2004 natality file***

**The use of reporting flags**

As a result of the delayed, phased transition to the 2003 Standard Certificate of Live Birth, the 2004 natality file includes data for reporting areas that use the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) and data for reporting areas that use the 1989 Standard Certificate of Live Birth (unrevised). Although many data items are comparable across certificate revisions and are available for the entire United States, many items have more limited reporting areas. For example, information on pre-pregnancy and gestational diabetes, a revised data item, is available only for 7 States for 2004; information on amniocentesis, an unrevised item, not included on the revised certificate, is available for 41 States and New York City. Reporting flags were developed to help the user more readily identify reporting areas for items with less than national reporting. The national reporting area is defined as the 50 States, The District of Columbia, and New York City; (NYC is an independent reporting area from New York State). Reporting flags are available for most items on the file. Positions for reporting flags are noted along with each data item in the file layout.

**Translating “blanks”**

In the 2004 natality file, for data items which are not common or comparable across certificate revisions, births to residents of a revised state occurring in an unrevised state, and births to residents in an unrevised state occurring in a revised state, are represented by “blanks.” Blanks should be treated as “unknowns” for tabulations.

In sum, the correct use of reporting flags and translation of blanks will result in an accurate tally of births for items with incomplete national reporting. For an example of SAS code that may be used to incorporate the correct use of reporting flags and the translation of blanks see below.

Example of SAS code using reporting flags (and translating blanks)

The example below is for the revised prenatal care item. Prenatal care data based on the revised Certificate are not considered comparable to data based on the unrevised Certificate, and are presented separately (see also Births: Final Data for 2004).

Accordingly, use of the reporting flag for this item will produce 2004 data for the month prenatal care began for the 7 revised States which had implemented the revised Certificate by January 1<sup>st</sup> 2004. Data for states which implemented the revised certificates after January 1 (Delaware and Florida), are excluded from tabulations when reporting flags are used.

Sample SAS program

```
01  DATA work;
02      INFILE 'c:nat04us.dat' LRECL=1500;
03      INPUT
04          restatus 138
05          precare 245-246
06          f_mpcb 668;
07
08      /*Exclude foreign residents*/
09      IF restatus NE 4;
10      /*Select reporting area*/
11      IF f_mpcb=1;
12      /*Convert blanks to unknown*/
13      IF precare=. THEN precare=99;
14
15  PROC FREQ;
```

```
16      TABLE precare;
17  RUN;
```

In this example, “restatus” is used to exclude births to foreign residents (this is standard practice for all NCHS tabulations). Also in this example, blanks are represented by numeric values SAS code = (.). However, for some items in the file, e.g., obstetric procedures, blanks are represented by character values for which the SAS code is empty quotes (‘ ’).

#### Alternative to the use of reporting flags

The use of reporting flags provides a relatively quick, accurate way to select records for all areas reporting comparable data for a given item in a particular year. However, should a limited reporting area be needed, specific state(s) of residence may also be selected, or unselected. This approach may be useful, for example, in trend analysis where reporting areas have changed overtime. See Table A in the “Technical Appendix” for state-specific information on reporting areas.

This approach may also be used to limit the reporting area to only states reporting multiple or single race data. See “Technical Appendix” Table A footnote 2 for the multiple race reporting area.

#### Example of SAS code using state of residence (and translating blanks)

```
01  DATA work;
02    INFILE 'c:nat04us.dat' LRECL=1500;
03    INPUT
04      restatus 138
05      xmrstate $ 107-108
```

```
06      precare 245-246;
07
08      /*Exclude foreign residents*/
09      IF restatus NE 4;
10      /*Select reporting area*/
11      IF xmrstate in ('ID','KY','NY','PA','SC','TN','WA');
12      /*Convert blanks to unknown*/
13      IF precare=. THEN precare=99;
14
15  PROC FREQ;
16      TABLE precare;
17  RUN;
```

Data File Characteristics:

Record length: 1350

U.S. DATA SET:

1. Record count:	
2. Data counts: ALL BIRTHS:	
a. By occurrence:	4,118,907
b. By residence:	4,112,052
c. To foreign residents:	6,855

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

1. Record count: 59,400

PUERTO RICO:

2. Data counts: ALL BIRTHS:	
a. By occurrence:	51,239
b. By residence:	51,140

VIRGIN ISLANDS:

1. Record count:	
2. Data counts: ALL BIRTHS:	
a. By occurrence:	1,673
b. By residence:	1,561

GUAM:

1. Record count:	
2. Data counts: ALL BIRTHS:	
a. By occurrence:	3,423
b. By residence:	3,414

AMERICAN SAMOA:

1. Record count:	
2. Data counts: ALL BIRTHS:	
a. By occurrence:	1,713
b. By residence:	1,713

NORTHERN MARIANAS:

1. Record count:	
2. Data counts: ALL BIRTHS:	
a. By occurrence:	1,352
b. By residence:	1,352

## LIST OF DATA ELEMENTS AND LOCATIONS

<u>Data Items</u>	<u>Locations</u>
1. General	
a) Data year	15-18
b) Record type	137
c) Resident status	138
2. Occurrence	
a) State	30-31
b) Expanded State	32-33
c) County	37-39
d) Population size - county	40
3. Residence	
a) State	109-110
b) Expanded State	107-108
c) County	114-116
d) Place	120-124
e) Population size - city	133
f) Population size - county	132
g) Met/Nonmet county	135
h) CMSA	125-126
i) PSMA/MSA	127-130
4. Prenatal Care	
a) Month began	256-257
b) Number of visits	270-271
5. Child	
a) Sex	437
b) Number at delivery	423
c) Birthweight	463-466
d) Apgar score	415-416
e) Gestation	451-457
f) Month/year of birth	15-20
g) Day of week of birth	29
6. Mother	
a) Age	89-93
b) Race	139-144, 1088-1111
c) Marital status	153
d) Education	155-158
e) Place of Birth	96-97, 100
f) Hispanic Origin	148-149

## LIST OF DATA ELEMENTS AND LOCATIONS

<u>Data Items</u>	<u>Locations</u>
7. Pregnancy History	
a) Born alive, now living	204-205
b) Born alive, now dead	206-207
c) Other terminations	208-209
d) Total birth order	215-217
e) Live birth order	210-212
8. Father	
a) Age	184-187
b) Race	188-191, 199-200, 1422-1445
c) Hispanic origin	195-196
9. Other Items	
a) Residence reporting flags	569-669
b) Attendant at birth	408
c) Place of delivery	42
10. Medical and Health Data	
a) Method of delivery	390-401
b) Medical risk factors	313-344
c) Other risk factors	
Tobacco	282-294
Alcohol	295-298
Weight gain during pregnancy	276-278
d) Obstetric procedures	351-361
e) Complications/characteristics of labor and/or delivery	365-389
f) Abnormal conditions of the newborn	476-491
g) Congenital anomalies	492-525

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
1-6	6	FILLER	<b>Filler</b>			Blank	
7	1	REVISION	<b>Revision</b>		U,R	A	Data based on the 2003 revision of the US Standard Birth Certificate (Revised)
						S	Data based on the 1989 revision of the US Standard Birth Certificate (Unrevised)
8	1	RECWT	<b>Record Weight</b>		U,R	1	
9-14	6	FILLER	<b>Filler</b>			Blank	
15-18	4	DOB_YY	<b>Birth Year</b>		U,R	2004	Year of birth
19-20	2	DOB_MM	<b>Birth Month</b>		U,R	01	January
						02	February
						03	March
						04	April
						05	May
						06	June
						07	July
						08	August
						09	September
						10	October
						11	November
						12	December
21-28	8	FILLER	<b>Filler</b>			Blank	
29	1	DOB_WK	<b>Weekday</b>		U,R	1	Sunday
						2	Monday
						3	Tuesday
						4	Wednesday
						5	Thursday
						6	Friday
						7	Saturday
30-31	2	OSTATE	<b>Occurrence State</b>		U,R		
			<u>United States</u>		AK	Alaska	
					AL	Alabama	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
32-33	2	XOSTATE	<b>Expanded Occurrence State</b> <u>United States</u>		U,R		
					AK	Alaska	
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York (excludes New York City)	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
					YC	New York City	
<u>Outlying Areas of the United States</u>							
					AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	

34-36        3        FILLER        **Filler**        Blank

37-39        3        OCNTYFIPS        **Occurrence FIPS County**        U,R        001-nnn    Counties and county equivalents (independent and

\*U,R    Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U    Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R    Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					999		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, which follows the record layout.
							County of less than 100,000 population or foreign resident
40	1	OCNTYPOP	<b>Occurrence County Pop</b>	U,R	0 1 2 3 9	County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County of 100,000 to 250,000 County less than 100,000	
41	1	BFACIL	<b>Birth Place</b>	R	1 2 3 4 5 6 7 9 Blank	Hospital Freestanding Birthing Center Home (intended) Home (not intended) Home (unknown if intended) Clinic / Doctor's Office Other Unknown Not on certificate	
42	1	UBFACIL	<b>Birth Place</b>	U,R	1 2 3 4 5 9	Hospital Freestanding Birthing Center Clinic / Doctor's Office Residence Other Unknown	
43-58	16	FILLER	<b>Filler</b>			Blank	
59	1	BFACIL3	<b>Birth Place Recode</b>	U,R	1 2 3	In Hospital Not in Hospital Unknown or Not Stated	
60-86	27	FILLER	<b>Filler</b>			Blank	
87	1	MAGE_IMPFLG	<b>Mother's Age Imputed</b>	U,R	Blank	Age not imputed	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					1		Age imputed
88	1	MAGE_REPFLG	<b>Reported Age of Mother Flag</b>		U,R	Blank	Reported age not used
					1		Reported age used
89-90	2	MAGER	<b>Mother's Single Year of Age</b>		U,R	12	10-12 years
						13	13 years
						14	14 years
						15	15 years
						16	16 years
						17	17 years
						18	18 years
						19	19 years
						20	20 years
						21	21 years
						22	22 years
						23	23 years
						24	24 years
						25	25 years
						26	26 years
						27	27 years
						28	28 years
						29	29 years
						30	30 years
						31	31 years
						32	32 years
						33	33 years
						34	34 years
						35	35 years
						36	36 years
						37	37 years
						38	38 years
						39	39 years
						40	40 years
						41	41 years
						42	42 years
						43	43 years
						44	44 years
						45	45 years
						46	46 years

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					47	47 years	
					48	48 years	
					49	49 years	
					50	50-54 years	
91-92	2	MAGER14	<b>Mother's Age Recode 14</b>	U,R	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	
93	1	MAGER9	<b>Mother's Age Recode 9</b>	U,R	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	
94-95	2	MBCNTRY	<b>Mother's Birth Country</b>	R**	AA-ZZ	A complete list of countries is shown in the Geographic Code Outline, which follows the record layout.	
96-97	2	UMBSTATE	<b>Mother's Birth State</b> <u>United States</u>	U,R	AK	Alaska	
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	

\*\* Also includes unrevised states that use new geographic coding

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
			<u>Foreign</u>		CC	Canada	
					CU	Cuba	
					MX	Mexico	
					YY	Rest of the World	
					ZZ	Not Classifiable	
98-99	2	FILLER	<b>Filler</b>			Blank	
100	1	MBSTATE_REC	<b>Mother's Birth State Recode</b>		U,R	1	Native born (within 50 States & DC)
					2	Foreign born (outside 50 States & DC)	
					3	Unknown or Not Stated	
101-106	6	FILLER	<b>Filler</b>			Blank	
107-108	2	XMRSTATE	<b>Expanded State of Residence of Mother</b> <u>United States</u>		U,R	AK	Alaska
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
				HI		Hawaii	
				ID		Idaho	
				IL		Illinois	
				IN		Indiana	
				IA		Iowa	
				KS		Kansas	
				KY		Kentucky	
				LA		Louisiana	
				MA		Massachusetts	
				MD		Maryland	
				ME		Maine	
				MI		Michigan	
				MN		Minnesota	
				MO		Missouri	
				MS		Mississippi	
				MT		Montana	
				NC		North Carolina	
				ND		North Dakota	
				NE		Nebraska	
				NH		New Hampshire	
				NJ		New Jersey	
				NM		New Mexico	
				NV		Nevada	
				NY		New York (excludes New York City)	
				OH		Ohio	
				OK		Oklahoma	
				OR		Oregon	
				PA		Pennsylvania	
				RI		Rhode Island	
				SC		South Carolina	
				SD		South Dakota	
				TN		Tennessee	
				TX		Texas	
				UT		Utah	
				VA		Virginia	
				VT		Vermont	
				WA		Washington	
				WI		Wisconsin	
				WV		West Virginia	
				WY		Wyoming	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					YC	New York City	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
			<u>Foreign</u>		CC	Canada	
					CU	Cuba	
					MX	Mexico	
					XX	Not Applicable	
					ZZ	Not Classifiable	
109-110	2	MRSTATE	<b>Mother's Residence State</b> <u>United States</u>	U,R	AK	Alaska	
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	
					MN	Minnesota	
					MO	Missouri	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
			<u>Foreign</u>		CC	Canada	
					CU	Cuba	
					MX	Mexico	
					XX	Not Applicable	
					ZZ	Not Classifiable	
111-113	3	FILLER	Filler			Blank	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
114-116	3	MRCNTYFIPS	<b>Mother's County of Residence (FIPS)</b>		U,R	000 001-nnn 999	Foreign residents 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, which follows the record layout. County of less than 100,000 population
117-119	3	FILLER	<b>Filler</b>			Blank	
120-124	5	MRCITYFIPS	<b>Mother's Place of Residence (FIPS)</b>		U,R	00000 00001- nnnnn 99999	Foreign residents A complete list of places (cities) is shown in the Geographic Code Outline, which follows the record layout. City of less than 100,000 population
125-126	2	CMSA	<b>Consolidated Metropolitan Statistical Areas</b> <u>United States</u>		U,R	00 07 14 21 28 31 34 35 42 49 56 63 70 77 79 82 84	Not a CMSA Boston, Worcester, Lawrence, MA-NH-ME-CT, CMSA Chicago-Gary-Kenosha, IL-IN-WI, CMSA Cincinnati-Hamilton, OH-KY-IN, CMSA Cleveland-Akron, OH, CMSA Dallas-Fort Worth, TX, CMSA Denver-Boulder-Greeley, CO, CMSA Detroit-Ann Arbor-Flint, MI, CMSA Houston-Galveston-Brazoria, TX, CMSA Los Angeles-Riverside-Orange County, CA, CMSA Miami-Fort Lauderdale, FL, CMSA Milwaukee-Racine, WI, CMSA New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, CMSA Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA Portland-Salem, OR-WA, CMSA Sacramento-Yolo, CA, CMSA San Francisco-Oakland-San Jose, CA, CMSA

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					91		Seattle-Tacoma-Bremerton, WA, CMSA
					97		Washington-Baltimore, DC-MD-VA-WV, CMSA
			<u>Outlying Areas of the United States</u>		00		Not a CMSA
					87		San Juan-Caguas-Arecibo, PR, CMSA
127-130	4	MSA	<b>Metropolitan Statistical Areas</b>	U,R	0000		Foreign resident
					0040-		A complete list of MSA's and their component counties
					9360		is available in the Geographic Code Outline,
					9999		which follows the record layout.
131	1	MSA_POP	<b>Population of Statistical Area</b>	U,R	1		Area of 250,000 or more
					2		Area of 100,000 to 250,000
					9		Area of less than 100,000 of nonmetropolitan area
					Z		Foreign resident
132	1	RCNTY_POP	<b>Population of Residence County</b>	U,R	0		County of 1,000,000 or more
					1		County of 500,000 to 1,000,000
					2		County of 250,000 to 500,000
					3		County of 100,000 to 250,000
					9		County less than 100,000
					Z		Foreign resident
133	1	RCITY_POP	<b>Population of Residence City</b>	U,R	0		City of 1,000,000 or more
					1		City of 500,000 to 1,000,000
					2		City of 250,000 to 500,000
					3		City of 100,000 to 250,000
					9		City of less than 100,000
					Z		Foreign resident
134	1	FILLER	<b>Filler</b>				Blank
135	1	METRORES	<b>Metropolitan Residence County</b>	U,R	1		Metropolitan County
					2		Nonmetropolitan County
					Z		Foreign resident
136	1	FILLER	<b>Filler</b>				Blank

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
137	1	RECTYPE	<b>Record Type</b>		U,R	1	RESIDENT: State and county of occurrence and residence are the same.
						2	NONRESIDENT: State and county of occurrence and residence are different.
138	1	RESTATUS	<b>Residence Status</b> <u>United States</u>		U,R	1	RESIDENT: State and county of occurrence and residence are the same.
						2	INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different.
						3	INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 US states or District of Columbia.
						4	FOREIGN RESIDENT: The state of residence is not one of the 50 US states or District of Columbia.
			<u>Outlying Areas of the United States</u>		1	RESIDENT: State and county of occurrence and residence are the same. (Unique to Guam, all US residents are considered residents of Guam and thus are assigned 1.)	
					2	INTRATERRITORY NONRESIDENT: Territory of occurrence and residence are the same but county is different.	
					3	INTERTERRITORY RESIDENT: Territory of occurrence and residence are different but both are US Territories.	
					4	FOREIGN RESIDENT: The residence is not a US Territory.	
139-140	2	MBRACE	<b>Mother's Bridged Race</b> Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group; see "Technical Appendix."  ** Also includes unrevised states that report multiple race.	R**	01	White – single race	
					02	Black – single race	
					03	American Indian / Alaskan Native – single race	
					04	Asian Indian – single race	
					05	Chinese – single race	
					06	Filipino – single race	
					07	Japanese – single race	
					08	Korean – single race	
					09	Vietnamese – single race	
					10	Other Asian – single race	
					11	Hawaiian – single race	
					12	Guamanian – single race	
					13	Samoan – single race	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
141-142	2	MRACE	<b>Mother's Race</b> Includes only states exclusively reporting single race. Some areas report additional Asian or Pacific Islander (API) codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. See reporting flag at pos.650 for expanded API reporting area.	U			
			<u>United States</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					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 / Pacific Islander in areas reporting codes 18-58.	
					78	Combined other Asian / Pacific Islander, includes 18-68 for areas that do not report them separately.	
					Blank	Not on certificate	
			<u>Puerto Rico</u>		01	White	
					02	Black	
					00	Other races	
					Blank	Not on certificate	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
			<u>Guam</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					08	Other Asian or Pacific Islander	
					58	Gumanian	
					Blank	Not on certificate	
			<u>All other Outlying Areas of the United States</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					08	Other Asian or Pacific Islander	
					Blank	Not on certificate	
143	1	MRACEREC	<b>Mother's Race Recode</b>		U,R		
			Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.				
			<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		1	White	
					2	Black	
					3	American Indian / Alaskan Native	
					4	Asian / Pacific Islander	
			<u>Puerto Rico</u>		1	White	
					2	Black	
					0	Other (not classified as White or Black)	
144	1	MRACEIMP	<b>Mother's Race Imputed Flag</b>		U,R	Blank	Mother's race not imputed
					1	Unknown race imputed	
					2	All other races, formerly coded 09, imputed.	
145-147	3	FILLER	<b>Filler</b>			Blank	
*U,R			Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).				
U			Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.				
R			Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.				

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
148	1	UMHISP	<b>Mother's Hispanic Origin</b>	569	U,R	0 1 2 3 4 5 9	Non-Hispanic Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Origin unknown or not stated
149	1	MRACEHISP	<b>Mother's Race/Hispanic Origin</b>	569	U,R	1 2 3 4 5 6 7 8 9	Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Non-Hispanic White Non-Hispanic Black Non-Hispanic Other Races Origin unknown or not stated
150-152	3	FILLER	<b>Filler</b>			Blank	
153	1	MAR	<b>Mother's Marital Status</b>	U,R	1 2 9	Yes No Unknown or not Stated	
			<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		1 2 3 9	Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated	
			<u>Puerto Rico</u>		1 2 3 9	Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated	
154	1	MAR_IMP	<b>Mother's Marital Status Imputed Flag</b>	U,R	Blank 1	Marital Status not imputed Marital Status imputed	
155	1	MEDUC	<b>Mother's Education</b>	571	R	1 2 3 4	8 <sup>th</sup> grade or less 9 <sup>th</sup> through 12 <sup>th</sup> grade with no diploma High school graduate or GED completed Some college credit, but not a degree

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					5		Associate degree (AA, AS)
					6		Bachelor's degree (BA, AB, BS)
					7		Master's degree (MA, MS)
					8		Doctorate (PHD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD)
					9		Unknown
					Blank		Not on certificate
156-157	2	DMEDUC	<b>Mother's Education</b>	647	U	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
					Blank		Not on certificate
158	1	MEDUC_REC	<b>Mother's Education Recode</b>	647	U	1	0 – 8 years
					2		9 – 11 years
					3		12 years
					4		13 – 15 years
					5		16 years and over
					6		Not stated
					Blank		Not on certificate
159-174	16	FILLER	<b>Filler</b>			Blank	
175	1	FAGERPT_FLG	<b>Father's Reported Age Used</b>		U,R	Blank	Father's reported age not used
					1		Father's reported age used
176-177	2	FAGERPT	<b>Father's Reported Age</b>		U,R	09-98	Father's reported age in years
					99		Unknown or not stated
178-181	4	FILLER	<b>Filler</b>			Blank	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
182-183	2	FAGECOMB	<b>Father's Combined Age (Revised)</b> Revised states report for a range of 09-98 years.	R 99	09-98 Unknown or not stated Blank	Father's combined age in years Not on certificate	
184-185	2	UFAGECOMB	<b>Father's Combined Age</b> Unrevised states report for a range of 10-98 years.	U,R 99	10-98 Unknown or not stated Blank	Father's combined age in years Not on certificate	
186-187	2	FAGEREC11	<b>Father's Age Recode 11</b>	U,R	01 02 03 04 05 06 07 08 09 10 11	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 55-98 years Not stated	
188-189	2	FBRACE	<b>Father's Bridged Race</b> Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group; see "Technical Appendix."  ** Also includes unrevised states that report multiple race.	R**	01 02 03 04 05 06 07 08 09 10 11 12 13 14 21 22 23 24 99	White – single race Black – single race American Indian / Alaskan Native – single race Asian Indian – single race Chinese – single race Filipino – single race Japanese – single race Korean – single race Vietnamese – single race Other Asian – single race Hawaiian – single race Guamanian – single race Samoan – single race Other Pacific Islander – single race White – bridged multiple race Black – bridged multiple race American Indian / Alaskan Native – bridged multiple race Asian / Pacific Islander – bridged multiple race Unknown or not stated, also includes states not reporting	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
							multiple race. Not on certificate
190	1	FILLER	<b>Filler</b>		Blank		
191	1	FRACEREC	<b>Father's Race Recode</b> Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.		U,R		
			<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		1	White	
					2	Black	
					3	American Indian / Alaskan Native	
					4	Asian / Pacific Islander	
					9	Unknown or not stated	
			<u>Puerto Rico</u>		1	White	
					2	Black	
					9	Unknown or not stated	
					0	Other (not classified as White or Black)	
192-194	3	FILLER	<b>Filler</b>		Blank		
195	1	UFHISP	<b>Father's Hispanic Origin</b>	570	U,R	0	Non-Hispanic
					1	Mexican	
					2	Puerto Rican	
					3	Cuban	
					4	Central American	
					5	Other and Unknown Hispanic	
					9	Origin unknown or not stated	
196	1	FRACEHISP	<b>Father's Race/Hisp Origin</b>	570	U,R	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	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					8		Non-Hispanic Other Races
					9		Origin unknown or not stated
197-198	2	FILLER	<b>Filler</b>		Blank		
199-200	2	FRACE	<b>Father's Race</b>		U		
			<u>United States</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					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 / Pacific Islander in areas reporting codes 18-58.	
					78	Combined other Asian / Pacific Islander, includes 18-68 for areas that do not report them separately.	
					99	Unknown or not stated	
					Blank	Not on certificate	
			<u>Puerto Rico</u>		01	White	
					02	Black	
					00	Other races	
					99	Unknown or not stated	
					Blank	Not on certificate	
			<u>Guam</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					08	Other Asian or Pacific Islander	
					58	Guamanian	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					99		Unknown or not stated
					Blank		Not on certificate
			<u>All other Outlying Areas of the United States</u>		01		White
					02		Black
					03		American Indian / Alaskan Native
					04		Chinese
					05		Japanese
					06		Hawaiian (includes part Hawaiian)
					07		Filipino
					08		Other Asian or Pacific Islander
					99		Unknown or not stated
					Blank		Not on certificate
201-203	3	FILLER	<b>Filler</b>		Blank		
204-205	2	PRIORLIVE	<b>Prior Births Now Living</b>	U,R	00-30		Number of children still living
					99		Unknown or not stated
206-207	2	PRIORDEAD	<b>Prior Births Now Dead</b>	U,R	00-30		Number of children dead
					99		Unknown or not stated
208-209	2	PRIORTERM	<b>Prior Other Terminations</b>	U,R	00-30		Number other terminations
					99		Unknown or not stated
210-211	2	LBO	<b>Live Birth Order</b>	U,R	01-31		Sum of all previous live births (now living and now dead) plus current birth
					99		Unknown or not stated
212	1	LBO_REC	<b>Live Birth Order Recode</b>	U,R	1-7		Live birth order
					8		Live birth order of 8 or more
					9		Unknown or not stated
213-214	2	FILLER	<b>Filler</b>		Blank		
215-216	2	TBO	<b>Total Birth Order</b>	U,R	01-40		Sum of all previous pregnancies plus current birth
					99		Unknown or not stated

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
217	1	TBO_REC	<b>Total Birth Order Recode</b>		U,R	1-7 8 9	Total birth order Total birth order of 8 or more Unknown or not stated
218-219	2	FILLER	<b>Filler</b>			Blank	
220-221	2	DLLB_MM	<b>Date of Last Live Birth - Month</b>		U,R	01 02 03 04 05 06 07 08 09 10 11 12 88 99	January February March April May June July August September October November December Not applicable Unknown or not stated
222-225	4	DLLB_YY	<b>Date of Last Live Birth - Year</b>		U,R	nnnn 8888 9999	Year of last live birth Not applicable Unknown or not stated
226-244	19	FILLER	<b>Filler</b>			Blank	
245-246	2	PRECARE	<b>Month Prenatal Care Began</b>	668	R	00 01-10 99 Blank	No prenatal care Month prenatal care began Unknown or not stated Not on certificate
247	1	PRECARE_REC	<b>Moth Prenatal Care Began Recode</b>	668	R	1 2 3 4 5 Blank	1 <sup>st</sup> to 3 <sup>rd</sup> month 4 <sup>th</sup> to 6 <sup>th</sup> month 7 <sup>th</sup> to final month No prenatal care Unknown or not stated Not on certificate

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
248-255	8	FILLER	<b>Filler</b>			Blank	
256-257	2	MPCB	<b>Month Prenatal Care Began</b>	669	U	00 01-10 99 Blank	No prenatal care Month prenatal care began Unknown or not stated Not on certificate
258	1	MPCB_REC6	<b>Month Prenatal Care Began Recode 6</b>	669	U	1 2 3 4 5 6 Blank	1 <sup>st</sup> to 2 <sup>nd</sup> month 3 <sup>rd</sup> month 4 <sup>th</sup> to 6 <sup>th</sup> month 7 <sup>th</sup> to final month No prenatal care Unknown or not stated Not on certificate
259	1	MPCB_REC5	<b>Month Prenatal Care Began Recode 5</b>	669	U	1 2 3 4 5 Blank	1 <sup>st</sup> trimester (1 <sup>st</sup> to 3 <sup>rd</sup> month) 2 <sup>nd</sup> trimester (4 <sup>th</sup> to 6 <sup>th</sup> month) 3 <sup>rd</sup> trimester (7 <sup>th</sup> to final month) No prenatal care Unknown or not stated Not on certificate
260-269	10	FILLER	<b>Filler</b>			Blank	
270-271	2	UPREVIS	<b>Number of Prenatal Visits</b>		U,R	00-49 99	Number of prenatal visits Unknown or not stated
272-273	2	PREVIS_REC	<b>Number of Prenatal Visits Recode</b>		U,R	01 02 03 04 05 06 07 08 09	No visits 1 to 2 visits 3 to 4 visits 5 to 6 visits 7 to 8 visits 9 to 10 visits 11 to 12 visits 13 to 14 visits 15 to 16 visits

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					10	17 to 18 visits	
					11	19 or more visits	
					12	Unknown or not stated	
274	1	FILLER	<b>Filler</b>			Blank	
275	1	APNCU	<b>Adequacy of Prenatal Care Utilization Index</b>	668	R	1 2 3 4 5 Blank	Inadequate Intermediate Adequate Adequate + Unknown Not on certificate
276-277	2	WTGAIN	<b>Weight Gain</b>	648	U,R	00-97 98 99	Weight gain in pounds 98 pounds and over Unknown or not stated
278	1	WTGAIN_REC	<b>Weight Gain Recode</b>	648	U,R	1 2 3 4 5 6 7 8 9	Less than 16 pounds 16 to 20 pounds 21 to 25 pounds 26 to 30 pounds 31 to 35 pounds 36 to 40 pounds 41 to 45 pounds 46 or more pounds Unknown or not stated
279	1	U_APNCU	<b>Adequacy of Prenatal Care Utilization Index</b>	669	U	1 2 3 4 5 Blank	Inadequate Intermediate Adequate Adequate + Unknown Not on certificate
280	1	DFPC_IMP	<b>Day of Date First Prenatal Care Imputed</b>		R	Blank 1	Day of date first prenatal care not imputed Day of date first prenatal care imputed

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
281-283	3	FILLER	<b>Filler</b>			Blank	
284-285	2	CIG_1	<b>Cigarettes 1<sup>st</sup> Trimester</b>	575	R	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
286-287	2	CIG_2	<b>Cigarettes 2<sup>nd</sup> Trimester</b>	575	R	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
288-289	2	CIG_3	<b>Cigarettes 3<sup>rd</sup> Trimester</b>	575	R	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
290	1	TOBUSE	<b>Tobacco Use</b>	667	U	1 2 9 Blank	Yes No Unknown or not stated Not on certificate
291-292	2	CIGS	<b>Cigarettes per Day</b>		U	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
293	1	CIG_REC6	<b>Cigarette Recode</b>		U	0 1 2 3 4 5 6 Blank	Non-smoker 1 to 5 cigarettes daily 6 to 10 cigarettes daily 11 to 20 cigarettes daily 21 to 40 cigarettes daily 41 or more cigarettes daily Unknown or not stated Not on certificate
294	1	CIG_REC	<b>Cigarette Recode</b>	575	R	Y N U Blank	Yes No Unknown or not stated Not on certificate

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
295	1	ALCOHOL	<b>Alcohol Use</b>	649	U	1 2 9 Blank	Yes No Unknown or not stated Not on certificate
296-297	2	DRINKS	<b>Drinks per Week</b>	649	U	00-97 98 99 Blank	Number of drinks weekly 98 or more drinks weekly Unknown or not stated Not on certificate
298	1	DRINKS_REC	<b>Drinks Recode</b>	649	U	0 1 2 3 4 5 Blank	Non drinker 1 drink per week 2 drinks per week 3-4 drinks per week 5 or more drinks per week Unknown or not stated Not on certificate
299-312	14	FILLER	<b>Filler</b>			Blank	
313-319	9	<b><u>Risk Factors (Revised)</u></b>		The checkbox items below follow this code structure:	Y N U Blank	Yes No Unknown or not stated Not on certificate	
313	1	RF_DIAB	<b>Prepregnancy Diabetes</b>	582	R		
314	1	RF_GEST	<b>Gestational Diabetes</b>	583	R		
315	1	RF_PHYP	<b>Prepregnancy Hypertension</b>	584	R		
316	1	RF_GHYP	<b>Gestational Hypertension</b>	585	R		
317	1	RF_ECLAM	<b>Eclampsia</b>	586	R		
318	1	RF_PPTERM	<b>Previous Preterm Birth</b>	587	R		
319	1	RF_PPOUTC	<b>Poor Pregnancy Outcome</b>	588	R		
320-323	4	FILLER	<b>Filler</b>			Blank	
324	1	RF_CESAR	<b>Previous Cesarean Deliveries</b>	593	R	Y N	Yes No

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					U	Unknown or not stated	
					Blank	Not on certificate	
325-326	2	RF_CESARN	<b>Number of Previous Cesarean Deliveries</b>	594	R	00 01-30 99 Blank	None Number of previous cesareans Unknown or not stated Not on certificate
327	1	FILLER	<b>Filler</b>			Blank	
328-344	17		<b>Risk Factors</b>		1 2 9 Blank	Yes No Unknown Not on certificate	
			The checkbox items below follow this structure:				
			The version is all 1989 Standard unless otherwise noted.				
328	1	URF_ANEMIA	<b>Anemia</b>	681	U		
329	1	URFARDC	<b>Cardiac</b>	682	U		
330	1	URF_LUNG	<b>Acute or Chronic Lung Disease</b>	683	U		
331	1	URF_DIAB	<b>Diabetes</b>	684	U,R		
332	1	URF_GEN	<b>Genital Herpes</b>	685	U		
333	1	URF_HYDR	<b>Hydramnios / Oligohydramnios</b>	686	U		
334	1	URF_HEMO	<b>Hemoglobinopathy</b>	687	U		
335	1	URF_CHYPER	<b>Chronic Hypertension</b>	688	U,R		
336	1	URF_PHYPER	<b>Pregnancy Associated Hypertension</b>	689	U		
337	1	URF_ECLAM	<b>Eclampsia</b>	690	U,R		
338	1	URF_INCERV	<b>Incompetent Cervix</b>	691	U		
339	1	URF_PRE4000	<b>Previous Infant 4000+ Grams</b>	692	U		
340	1	URF_PRETERM	<b>Previous Preterm Small for Gestation</b>	693	U		
341	1	URF_RENAL	<b>Renal Disease</b>	694	U		
342	1	URF_RH	<b>Rh Sensitization</b>	695	U		
343	1	URF_UTERINE	<b>Uterine Bleeding</b>	696	U		
344	1	URF_OTHER	<b>Other medical risk factors</b>	697	U		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
345-350	6	FILLER	<b>Filler</b>			Blank	
351-354	4		<b><u>Obstetric Procedures (Revised)</u></b> The checkbox items below follow this structure:		Y	Yes	
					N	No	
					U	Unknown or not stated	
					Blank	Not on certificate	
351	1	OP_CERV	<b>Cervical Cerclage</b>	601	R		
352	1	OP_TOCOL	<b>Tocolysis</b>	602	R		
353	1	OP_ECVS	<b>Successful External Cephalic Version</b>	603	R		
354	1	OP_ECVF	<b>Failed External Cephalic Version</b>	604	R		
355-361	7		<b><u>Obstetric Procedures</u></b> The checkbox items below follow this structure: The version is all 1989 Standard unless otherwise noted.		1	Yes	
					2	No	
					9	Unknown or not stated	
					Blank	Not on certificate	
355	1	UOP_AMNIO	<b>Amniocentesis</b>	701	U		
356	1	UOP_MONIT	<b>Electronic Fetal Monitoring</b>	702	U		
357	1	UOP_INDUC	<b>Induction of Labor</b>	703	U,R		
358	1	UOP_STIML	<b>Stimulation of Labor</b>	704	U		
359	1	UOP_TOCOL	<b>Tocolysis</b>	705	U,R		
360	1	UOP_ULTRA	<b>Ultrasound</b>	706	U		
361	1	UOP_OTHER	<b>Other Obstetric Procedures</b>	707	U		
362-364	3		<b><u>Onset of Labor</u></b> The checkbox items below follow this structure:		Y	Yes	
					N	No	
					U	Unknown or not stated	
					Blank	Not on certificate	
362	1	ON_RUPTR	<b>Premature Rupture of Membrane</b>	605	R		
363	1	ON_PRECIP	<b>Precipitous Labor</b>	606	R		
364	1	ON_PROL	<b>Prolonged Labor</b>	607	R		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
365-373	9		<b><u>Characteristics of Labor and Delivery (Revised)</u></b>				
			The checkbox items below follow this structure:				
					Y	Yes	
					N	No	
					U	Unknown or not stated	
					Blank	Not on certificate	
365	1	LD_INDL	<b>Induction of Labor</b>	608	R		
366	1	LD_AUGM	<b>Augmentation of Labor</b>	609	R		
367	1	LD_NVPR	<b>Non-Vertex Presentation</b>	610	R		
368	1	LD_STER	<b>Steroids</b>	611	R		
369	1	LD_ANTI	<b>Antibiotics</b>	612	R		
370	1	LD_CHOR	<b>Chorioamnionitis</b>	613	R		
371	1	LD_MECS	<b>Meconium Staining</b>	614	R		
372	1	LD_FINT	<b>Fetal Intolerance</b>	615	R		
373	1	LD_ANES	<b>Anesthesia</b>	616	R		
374-389	16		<b><u>Complications of Labor and Delivery</u></b>				
			The checkbox items below follow this structure:		1	Yes	
			The version is all 1989 Standard unless otherwise noted.		2	No	
					9	Unknown or not stated	
					Blank	Not on certificate	
374	1	ULD_FEBR	<b>Febrile</b>	711	U		
375	1	ULD_MECO	<b>Meconium</b>	712	U,R		
376	1	ULD_RUPTR	<b>Premature Rupture of Membrane</b>	713	U		
377	1	ULD_ABRUP	<b>Abruptio Placenta</b>	714	U		
378	1	ULD_PREPLA	<b>Placenta Previa</b>	715	U		
379	1	ULD_EXCBL	<b>Other Excessive Bleeding</b>	716	U		
380	1	ULD_SEIZ	<b>Seizures During Labor</b>	717	U		
381	1	ULD_PRECIP	<b>Precipitous Labor</b>	718	U,R		
382	1	ULD_PROLG	<b>Prolonged Labor</b>	719	U		
383	1	ULD_DYSFN	<b>Dysfunctional Labor</b>	720	U		
384	1	ULD_BREECH	<b>Breech</b>	721	U,R		
385	1	ULD_CEPHAL	<b>Cephalopelvic Disproportion</b>	722	U		
386	1	ULD_CORD	<b>Cord Prolapse</b>	723	U		
387	1	ULD_ANEST	<b>Anesthetic Complications</b>	724	U		
388	1	ULD_DISTR	<b>Fetal Distress</b>	725	U		
389	1	ULD_OTHER	<b>Other Complications</b>	726	U		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
390-394	5		<b><u>Method of Delivery (Revised)</u></b>				
390	1	ME_ATTF	<b>Attempted Forceps</b>	617	R	Y N U Blank	Yes No Unknown Not on certificate
391	1	ME_ATTV	<b>Attempted Vacuum</b>	618	R	Y N U Blank	Yes No Unknown Not on certificate
392	1	ME_PRES	<b>Fetal Presentation</b>	619	R	1 2 3 9 Blank	Cephalic Breech Other Unknown or not stated Not on certificate
393	1	ME_ROUT	<b>Route &amp; Method of Delivery</b>	620	R	1 2 3 4 9 Blank	Spontaneous Forceps Vacuum Cesarean Unknown or not stated Not on certificate
394	1	ME_TRIAL	<b>Trial of Labor Attempted</b>	621	R	Y N X U Blank	Yes No Not applicable Unknown or not stated Not on certificate
395-400	6		<b><u>Method of Delivery</u></b>				
			The checkbox items below follow this structure:		1 2 9		Yes No Unknown or not stated
395	1	UME_VAG	<b>Vaginal</b>	730		U,R	
396	1	UME_VBAC	<b>Vaginal after C-Section</b>	731		U,R	
397	1	UME_PRIMC	<b>Primary C-Section</b>	732		U,R	
398	1	UME_REPEC	<b>Repeat C-Section</b>	733		U,R	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
399	1	UME_FORCP	<b>Forceps</b>	734	U,R		
400	1	UME_VAC	<b>Vacuum</b>	735	U,R		
401	1	DMETH_REC	<b>Delivery Method Recode</b>		U,R	1 2 3 4 5 6 7	Vaginal (excludes vaginal after previous C-section) Vaginal after previous c-section Primary C-section Repeat C-section Not stated Vaginal (unknown if previous c-section) (2003 Standard only) C-section (unknown if previous c-section) (2003 Standard only)
402-407	6	FILLER	<b>Filler</b>			Blank	
408	1	ATTEND	<b>Attendent</b>		U,R	1 2 3 4 5 9	Doctor of Medicine (MD) Doctor of Osteopathy (DO) Certified Nurse Midwife (CNM) Other Midwife Other Unknown or not stated
409-414	6	FILLER	<b>Filler</b>			Blank	
415-416	2	APGAR5	<b>Five Minute APGAR Score</b>	574	U,R	00-10 99	A score of 0-10 Unknown or not stated
417	1	APGAR5R	<b>Five Minute APGAR Recode</b>	574	U,R	1 2 3 4 5	A score of 0-3 A score of 4-6 A score of 7-8 A score of 9-10 Unknown or not stated
418-422	5	FILLER	<b>Filler</b>			Blank	
423	1	DPLURAL	<b>Plurality Recode</b>		U,R	1 2	Single Twin

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					3		Triplet
					4		Quadruplet
					5		Quintuplet or higher
424	1	FILLER	<b>Filler</b>			Blank	
425	1	IMP_PLUR	<b>Plurality Imputed</b>		U,R	Blank 1	Plurality is not imputed Plurality is imputed
426-435	10	FILLER	<b>Filler</b>			Blank	
436	1	SEX	<b>Sex of Infant</b>		U,R	M F	Male Female
437	1	IMP_SEX	<b>Imputed Sex</b>		U,R	Blank 1	Infant Sex not Imputed Infant Sex is Imputed
438-439	2	DLMP_MM	<b>Last Normal Menses - Month</b>		U,R	01 02 03 04 05 06 07 08 09 10 11 12 99	January February March April May June July August September October November December Unknown or not stated
440-441	2	DLMP_DD	<b>Last Normal Menses - Day</b>		U,R	01-31 99	As applicable to month of LMP Unknown or not stated
442-445	4	DLMP_YY	<b>Last Normal Menses - Year</b>		U,R	NNNN 9999	Year of last normal menses Unknown or not stated
446-447	2	ESTGEST	<b>Obstetric/Clinical Gestation Est.</b>	573	U,R	00-98 99	0 through 98 <sup>th</sup> week of gestation Unknown or not stated

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.  
R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
448-450	3	FILLER	<b>Filler</b>			Blank	
451-452	2	COMBGEST	<b>Gestation – Detail in Weeks</b>		U,R	17-47 99	17 <sup>th</sup> through 47 <sup>th</sup> week of Gestation Unknown
453-454	2	GESTREC10	<b>Gestation Recode 10</b>		U,R	01 02 03 04 05 06 07 08 09 10	Under 20 weeks 20-27 weeks 28-31 weeks 32-35 weeks 36 weeks 37-39 weeks 40 weeks 41 weeks 42 weeks and over Unknown
455	1	GESTREC3	<b>Gestation Recode 3</b>		U,R	1 2 3	Under 37 weeks 37 weeks and over Not stated
456	1	OBGEST_FLG	<b>Clinical Estimate of Gestation Used Flag</b>		U,R	Blank 1	Clinical Estimate is not used Clinical Estimate is used
457	1	GEST_IMP	<b>Gestation Imputed Flag</b>		U,R	Blank 1	Gestation is not imputed Gestation is imputed
458-462	5	FILLER	<b>Filler</b>			Blank	
463-466	4	DBWT	<b>Birth Weight – Detail in Grams</b>		U,R	0227-8165	Number of grams
467-470	4	FILLER	<b>Filler</b>			Blank	
471-472	2	BWTR12	<b>Birth Weight Recode 12</b>		U,R	01 02 03 04 05 06 07 08	499 grams or less 500 – 999 grams 1000 - 1499 grams 1500 – 1999 grams 2000 – 2499 grams 2500 – 2999 grams 3000 – 3400 grams 3500 – 3999 grams

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					09	4000 – 4499 grams	
					10	4500 – 4999 grams	
					11	5000 – 8165 grams	
					12	Not Stated	
473	1	BWTR4	<b>Birth Weight Recode 4</b>		U,R	1	1499 grams or less
						2	1500 – 2499 grams
						3	2500 grams or more
						4	Unknown or not stated
474-475	2	FILLER	<b>Filler</b>		Blank		
476-482	7		<b><u>Abnormal Conditions of the Newborn (Revised)</u></b>		Y		Yes, Complication reported
			The checkbox items below follow this structure:		N		No Complication reported
					U		Unknown or not stated
					Blank		Not on certificate
476	1	AB_AVEN1	<b>Assisted Ventilation</b>	628	R		
477	1	AB_AVEN6	<b>Assisted Ventilation &gt; 6 hrs</b>	629	R		
478	1	AB_NICU	<b>Admission to NICU</b>	630	R		
479	1	AB_SURF	<b>Surfactant</b>	631	R		
480	1	AB_ANTI	<b>Antibiotics</b>	632	R		
481	1	AB_SEIZ	<b>Seizures</b>	633	R		
482	1	AB_BINJ	<b>Birth Injury</b>	634	R		
483-491	9		<b><u>Abnormal Conditions of the Newborn</u></b>		1		Complication reported
			The checkbox items below follow this structure:		2		Complication not reported
					9		Complication not classifiable
					Blank		Not on certificate
483	1	UAB_ANEM	<b>Anemia</b>	740	U		
484	1	UAB_INJURY	<b>Birth Injury</b>	741	U		
485	1	UAB_ALCOH	<b>Fetal Alcohol Syndrome</b>	742	U		
486	1	UAB_HYAL	<b>Hyaline Membrane Disease</b>	743	U		
487	1	UAB_MECON	<b>Meconium Aspiration Syndrome</b>	744	U		
488	1	UAB_VENL30	<b>Assisted Ventilation &lt; 30 min</b>	745	U		
489	1	UAB_VEN30M	<b>Assisted Ventilation &gt;= 30 min</b>	746	U		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
490	1	UAB_NSEIZ	<b>Seizures</b>	747	U		
491	1	UAB_OTHER	<b>Other Abnormal Cond.</b>	748	U		
492-503	12		<b><u>Congenital Anomalies of the Newborn (Revised)</u></b>				
			The checkbox items below follow this structure:				
					Y	Yes, anomaly reported	
					N	No, anomaly not reported	
					U	Unknown	
					Blank	Not on certificate	
492	1	CA_ANEN	<b>Anencephaly</b>	635	R		
493	1	CA_MNSB	<b>Meningomyelocele / Spina Bifida</b>	636	R		
494	1	CA_CCHD	<b>Cyanotic Congenital Heart Disease</b>	637	R		
495	1	CA_CDH	<b>Congenital Diaphragmatic Hernia</b>	638	R		
496	1	CA_OMPH	<b>Omphalocele</b>	639	R		
497	1	CA_GAST	<b>Gastroschisis</b>	640	R		
498	1	CA_LIMB	<b>Limb Reduction Defect</b>	641	R		
499	1	CA_CLEFT	<b>Cleft Lip w/ or w/o Cleft Palate</b>	642	R		
500	1	CA_CLPAL	<b>Cleft Palate alone</b>	643	R		
501	1	CA_DOWN	<b>Downs Syndrome</b>	644	R	C P N U Blank	Confirmed Pending No Unknown Not on certificate
502	1	CA_DISOR	<b>Suspected Chromosomal Disorder</b>	645	R	C P N U Blank	Confirmed Pending No Unknown Not on certificate
503	1	CA_HYPO	<b>Hypospadias</b>	646	R	Y N U Blank	Yes, anomaly reported No, anomaly not reported Unknown Not on certificate

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.  
R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
504-525	22		<b>Congenital Anomalies of the Newborn</b>				
			The checkbox items below follow this structure:		1	Anomaly reported	
			The version is all 1989 Standard unless otherwise noted.		2	Anomaly not reported	
					9	Anomaly not classifiable	
					Blank	Not on certificate	
504	1	UCA_ANEN	<b>Anencephalus</b> 752	U,R			
505	1	UCA_SPINA	<b>Spina Bifida / Meningocele</b> 753	U,R			
506	1	UCA_HYDRO	<b>Hydrocephalus</b> 754	U			
507	1	UCA_MICRO	<b>Microcephalus</b> 755	U			
508	1	UCA_NERV	<b>Other Central Nervous System Anomalies</b> 756	U			
509	1	UCA_HEART	<b>Heart Malformations</b> 757	U			
510	1	UCA_CIRC	<b>Other Circulatory / Respiration Anomalies</b> 758	U			
511	1	UCA_RECTAL	<b>Rectal Atresia / Stenosis</b> 759	U			
512	1	UCA_TRACH	<b>Tracheo-Esophageal Fistula</b> 760	U			
513	1	UCA_OMPMA	<b>Omphalocele / Gastroschisis</b> 761	U,R			
514	1	UCA_GASTRO	<b>Other Gastrointestinal Anomalies</b> 762	U			
515	1	UCA_GENITAL	<b>Malformed Genitalia</b> 763	U			
516	1	UCA_RENAL	<b>Renal Agenesis</b> 764	U			
517	1	UCA_UROGEN	<b>Other Urogenital Anomalies</b> 765	U			
518	1	UCA_CELEFTLP	<b>Cleft Lip / Palate</b> 766	U,R			
519	1	UCA_ADACTY	<b>Polydactyly / Syndactyly / Adactyly</b> 767	U			
520	1	UCA_CLUBFT	<b>Club Foot</b> 768	U			
521	1	UCA_HERNIA	<b>Diaphragmatic Hernia</b> 769	U			
522	1	UCA_MUSCU	<b>Other Musculoskeletal Anomalies</b> 770	U			
523	1	UCA_DOWNS	<b>Down Syndrome</b> 771	U,R			
524	1	UCA_CHROM	<b>Other Chromosomal Anomalies</b> 772	U			
525	1	UCA_OTHER	<b>Other Congenital Anomalies</b> 773	U			
526-568	43	FILLER	<b>Filler</b>		Blank		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
569-773	101	<b><u>Flag File for Reporting Flags</u></b>	The reporting flags below follow this coding structure:		0	Not reporting	
					1	Reporting	
569	1	F_MORIGIN	<b>Origin of Mother</b>	U,R			
570	1	F_FORIGIN	<b>Origin of Father</b>	U,R			
571	1	F_MEDUC	<b>Education of Mother</b>	R			
572	1	FILLER	<b>Filler</b>		Blank		
573	1	F_CLINEST	<b>Clinical Estimate of Gestation</b>	U,R			
574	1	F_APGAR5	<b>Five minute APGAR</b>	U,R			
575	1	F_TOBACO	<b>Tobacco use</b>	R			
576-581	6	FILLER	<b>Filler</b>		Blank		
582	1	F_RF_PDIAB	<b>Prepregnancy Diabetes</b>	R			
583	1	F_RF_GDIAB	<b>Gestational Diabetes</b>	R			
584	1	F_RF_PHYPER	<b>Prepregnancy Hypertension</b>	R			
585	1	F_RF_GHYPER	<b>Gestational Hypertension</b>	R			
586	1	F_RF_ECLAMP	<b>Eclampsia</b>	R			
587	1	F_RF_PPB	<b>Previous Preterm Birth</b>	R			
588	1	F_RF_PPO	<b>Poor Pregnancy outcomes</b>	R			
589	1	FILLER	<b>Filler</b>		Blank		
590	1	F_RF_INFRT	<b>Infertility Treatment</b>	R			
591	1	F_RF_INFRT_DRG	<b>Fertility Enhance Drugs</b>	R			
592	1	F_RF_INF_ART	<b>Reproductive Technology</b>	R			
593	1	F_RF_CESAR	<b>Previous Cesarean</b>	R			
594	1	F_RF_NCESAR	<b>Number of Previous Cesareans</b>	R			
595-600	6	FILLER	<b>Filler</b>		Blank		
601	1	F_OB_CERVIC	<b>Cervical Cerclage</b>	R			
602	1	F_OB_TOCO	<b>Tocolysis</b>	R			
603	1	F_OB_SUCC	<b>Successful External Cephalic Version</b>	R			
604	1	F_OB_FAIL	<b>Failed External Cephalic Version</b>	R			
605	1	F_OL_RUPTURE	<b>Premature Rupture of the Membranes</b>	R			
606	1	F_OL_PRECIP	<b>Precipitous Labor</b>	R			
607	1	F_OL_PROLONG	<b>Prolonged Labor</b>	R			
608	1	F_LD_INDUCT	<b>Induction of Labor</b>	R			
609	1	F_LD_AUGMENT	<b>Augmentation of Labor</b>	R			
610	1	F_LD_NVRTX	<b>Non-Vertex Presentation</b>	R			
611	1	F_LD_STERIODS	<b>Steroids</b>	R			
612	1	F_LD_ANTIBIO	<b>Antibiotics</b>	R			
613	1	F_LD_CHORIO	<b>Chorioamnionitis</b>	R			
614	1	F_LD_MECON	<b>Meconium Staining</b>	R			
615	1	F_LD_FINTOL	<b>Fetal Intolerance</b>	R			

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
616	1	F_LD_ANESTH	Anesthesia		R		
617	1	F_MD_ATTFOR	Attempted Forceps		R		
618	1	F_MD_ATTVAC	Attempted Vacuum		R		
619	1	F_MD_PRESENT	Fetal Presentation		R		
620	1	F_MD_ROUTE	Final Route and Method of Delivery		R		
621	1	F_MD_TRIAL	Trial of Labor Attempted		R		
622-627	6	FILLER	Filler		Blank		
628	1	F_AB_VENT	Assisted Ventilation		R		
629	1	F_AB_VENT6	Assisted Ventilation >6 hrs		R		
630	1	F_AB_NIUC	Admission to NICU		R		
631	1	F_AB_SURFAC	Surfactant		R		
632	1	F_AB_ANTIBIO	Antibiotics		R		
633	1	F_AB_SEIZ	Seizures		R		
634	1	F_AB_INJ	Birth Injury		R		
635	1	F_CA_ANEN	Anencephaly		R		
636	1	F_CA_MENIN	Meningomyelocele/Spina Bifida		R		
637	1	F_CA_HEART	Cyanotic Congenital Heart Disease		R		
638	1	F_CA_HERNIA	Congenital Diaphragmatic Hernia		R		
639	1	F_CA_OMPMA	Omphalocele		R		
640	1	F_CA_GASTRO	Gastroschisis		R		
641	1	F_CA_LIMB	Limb Reduction Defect		R		
642	1	F_CA_CLEFTLP	Cleft Lip with or without Cleft Palate		R		
643	1	F_CA_CLEFT	Cleft Plate Alone		R		
644	1	F_CA_DOWNS	Down Syndrome		R		
645	1	F_CA_CHROM	Suspected Chromosomal Disorder		R		
646	1	F_CA_HYPOS	Hypopspadias		R		
647	1	F_MED	Mother's Education		U		
648	1	F_WTGAIN	Weight Gain		U,R		
649	1	F_ALCOL	Alcohol use		U		
650	1	F_API	API Codes		U		
651-666	16	FILLER	Filler		Blank		
667	1	F_TOBAC	Tobacco Use		U		
668	1	F_MPCB	Month Prenatal Care Began		R		
669	1	F_MPCB_U	Month Prenatal Care Began		U		
670-680	11	FILLER	Filler		Blank		
681	1	F_URF_ANEMIA	Anemia		U		
682	1	F_URF_CARDIAC	Cardiac		U		
683	1	F_URF_LUNG	Acute or Chronic Lung Disease		U		
684	1	F_URF_DIABETES	Diabetes		U		
685	1	F_URF_HERPES	Genital Herpes		U		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
686	1	F_URF_HYDRA	Hydramnios / Oligohydramnios		U		
687	1	F_URF_HEMO	Hemoglobinopathy		U		
688	1	F_URF_CHYPER	Chronic Hypertension		U		
689	1	F_URF_PHYPER	Pregnancy Associated Hypertension		U		
690	1	F_URF_ECLAMP	Eclampsia		U		
691	1	F_URF_INCERVIX	Incompetent Cervix		U		
692	1	F_URF_PRE4000	Previous Infant 4000+ Grams		U		
693	1	F_URF_PRETERM	Previous Preterm Small for Gestation		U		
694	1	F_URF_RENAL	Renal Disease		U		
695	1	F_URF_RH	Rh Sensitization		U		
696	1	F_URF_UTERINE	Uterine Bleeding		U		
697	1	F_URF_OTHERMR	Other Medical Risk Factors		U		
698-700	3	FILLER	Filler				Blank
701	1	F_UOB_AMNIO	Amniocentesis		U		
702	1	F_UOB_MONITOR	Electronic Fetal Monitor		U		
703	1	F_UOB_INDUCT	Induction of Labor		U		
704	1	F_UOB_STIMUL	Stimulation of Labor		U		
705	1	F_UOB_TOCOL	Tocolysis		U		
706	1	F_UOB_ULTRAS	Ultrasound		U		
707	1	F_UOB_OTHEROB	Other Obstetric Procedures		U		
708-710	3	FILLER	Filler				Blank
711	1	FULD_FEBRILE	Febrile		U		
712	1	FULD_MECONIUM	Meconium		U		
713	1	FULD_RUPTURE	Premature Rupture of Membrane		U		
714	1	FULD_ABRUPTIO	Abruption Placenta		U		
715	1	FULD_REPLACE	Placenta Previa		U		
716	1	FULD_EXCEBLD	Other Excessive Bleeding		U		
717	1	FULD_SEIZURE	Seizures During Labor		U		
718	1	FULD_PRECIP	Precipitous Labor		U		
719	1	FULD_PROLONG	Prolonged Labor		U		
720	1	FULD_DYSFUNC	Dysfunctional Labor		U		
721	1	FULD_BREECH	Breech		U		
722	1	FULD_CEPHALO	Cephalopelvic Disproportion		U		
723	1	FULD_CORD	Cord Prolapse		U		
724	1	FULD_ANESTHE	Anesthetic Complications		U		
725	1	FULD_DISTRESS	Fetal Distress		U		
726	1	FULD_OTHERLD	Other Complications		U		
727-729	3	FILLER	Filler				Blank
730	1	F_U_VAGINAL	Vaginal		U		
731	1	F_U_VBAC	Vaginal after C-Section		U		

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
732	1	F_U_PRIMAC	<b>Primary C-Section</b>		U		
733	1	F_U_REPEATC	<b>Repeat C-Section</b>		U		
734	1	F_U_FORCEP	<b>Forceps</b>		U		
735	1	F_U_VACUUM	<b>Vacuum</b>		U		
736-739	4	FILLER	<b>Filler</b>			Blank	
740	1	F_UAB_ANEMIA	<b>Anemia</b>		U		
741	1	F_UAB_INJURY	<b>Birth Injury</b>		U		
742	1	F_UAB_ALCOSYN	<b>Fetal Alcohol Syndrome</b>		U		
743	1	F_UAB_HYALINE	<b>Hyaline Membrane Disease</b>		U		
744	1	F_UAB_MECONSYN	<b>Meconium Aspiration Syndrome</b>		U		
745	1	F_UAB_VENL30	<b>Assisted Ventilation &lt; 30 min</b>		U		
746	1	F_UAB_VEN30M	<b>Assisted Ventilation &gt;= 30 min</b>		U		
747	1	F_UAB_NSEIZ	<b>Seizures</b>		U		
748	1	F_UAB_OTHERAB	<b>Other Abnormal Conditions</b>		U		
749-751	3	FILLER	<b>Filler</b>			Blank	
752	1	F_UCA_ANEN	<b>Anencephalus</b>		U		
753	1	F_UCA_SPINA	<b>Spina Bifida / Meningocele</b>		U		
754	1	F_UCA_HYDRO	<b>Hydrocephalus</b>		U		
755	1	F_UCA_MICROCE	<b>Microcephalus</b>		U		
756	1	F_UCA_NERVOUS	<b>Other Central Nervous System Anomalies</b>		U		
757	1	F_UCA_HEART	<b>Heart Malformations</b>		U		
758	1	F_UCA_CIRCUL	<b>Other Circulatory / Respiration Anomalies</b>		U		
759	1	F_UCA_RECTAL	<b>Rectal Atresia / Stenosis</b>		U		
760	1	F_UCA_TRACHEO	<b>Tracheo-Esophageal Fistula</b>		U		
761	1	F_UCA_OMPHALO	<b>Omphalocele / Gastrochisis</b>		U		
762	1	F_UCA_GASTRO	<b>Other Gastrointestinal Anomalies</b>		U		
763	1	F_UCA_GENITAL	<b>Malformed Genitalia</b>		U		
764	1	F_UCA_RENALAG	<b>Renal Agenesis</b>		U		
765	1	F_UCA_UROGEN	<b>Other Urogenital Anomalies</b>		U		
766	1	F_UCA_CLEFTLP	<b>Cleft Lip / Palate</b>		U		
767	1	F_UCA_ADACTYL	<b>Polydactyly / Syndactyly / Adactyly</b>		U		
768	1	F_UCA_CLUB	<b>Club Foot</b>		U		
769	1	F_UCA_HERNIA	<b>Diaphragmatic Hernia</b>		U		
770	1	F_UCA_MUSCULO	<b>Other Musculoskeletal Anomalies</b>		U		
771	1	F_UCA_DOWNS	<b>Downs Syndrome</b>		U		
772	1	F_UCA_CHROMO	<b>Other Chromosomal Anomalies</b>		U		
773	1	F_UCA_OTHRCON	<b>Other Congenital Anomalies</b>		U		
774-1087	314	FILLER	<b>Filler</b>			Blank	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004  
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
1088-1111	24	<b><u>Mother's Race Edited</u></b>			R**	100-999 A00-R99	Mother's Race Edited Code
1088	3	MRACE1E					(A complete list of race codes is available further back in this document and at <a href="http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf">http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf</a> .)
1091	3	MRACE2E					
1094	3	MRACE3E					
1097	3	MRACE4E					
1100	3	MRACE5E					
1103	3	MRACE6E					
1106	3	MRACE7E					
1109	3	MRACE8E					
			** Also includes unrevised states that are reporting multiple race				
1112-1421	310	FILLER	<b>Filler</b>			Blank	
1422-1445	24	<b><u>Father's Race Edited</u></b>			R**	100-999 A00-R99	Father's Race Edited Code
1422	3	FRACE1E					(A complete list of race codes is available further back in this document and at <a href="http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf">http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf</a> .)
1425	3	FRACE2E					
1428	3	FRACE3E					
1431	3	FRACE4E					
1434	3	FRACE5E					
1437	3	FRACE6E					
1440	3	FRACE7E					
1443	3	FRACE8E					
			** Also includes unrevised states that are reporting multiple race				
1446-1500	55	FILLER	<b>Filler</b>			Blank	

\*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

## **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. Federal Information Processing Standards (FIPS) geographic codes are used on the vital event public-use files. Codes are effective with the 2003 data year and are based on the 2000 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 is given below:

**State (St):** Each State and the District of Columbia are identified by the standard two-letter postal abbreviation. 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 2000.

**P/S:** Population size code for city/place of residence based on the 2000 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

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

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

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

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

Yavapai county, Arizona - State and county codes (FIPS): AZ 025.

Tupelo, Mississippi - State and city/place codes (FIPS): MS 74840; or State, county, city/place codes (FIPS): MS 081 74840.

Vital Statistics Geographic Code Outline For The United States  
Effective With 2004 Data.

Page 1

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AL						Alabama	AL				
001	188	1		Autauga			001	5	5240		
			068	6		Millbrook, part				48712	
			035	6		Prattville, part				62328	
			999	9		Balance of county				99999	
002	184	1		Baldwin			003	3	5160		
			010	6		Daphne				19648	
			058	6		Fairhope				25240	
			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	999	9		Bibb		007	6	0000	
005	032	1	999	9		Blount		009	4	1000	
006	000	2	999	9		Bullock		011	6	0000	
007	000	2	999	9		Butler		013	6	0000	
008	012	1		Calhoun			015	3	0450		
			004	6		Anniston				01852	
			063	6		Oxford, part				57576	
			999	9		Balance of county				99999	
009	000	2	999	9		Chambers		017	5	0000	
010	000	2	999	9		Cherokee		019	6	0000	
011	000	2	999	9		Chilton		021	5	0000	
012	000	2	999	9		Choctaw		023	6	0000	
013	000	2	999	9		Clarke		025	5	0000	
014	000	2	999	9		Clay		027	6	0000	
015	000	2	999	9		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		
			062	6		Muscle Shoals				53016	
			999	9		Balance of county				99999	
018	000	2	999	9		Conecuh		035	6	0000	
019	000	2	999	9		Coosa		037	6	0000	
020	000	2	999	9		Covington		039	5	0000	
021	000	2	999	9		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		DeKalb			049	4	0000		
			017	6		Fort Payne				27616	
			999	9		Balance of county				99999	
026	188	1		Elmore			051	4	5240		
			061	6		Millbrook, part				48712	
			035	6		Prattville, part				62328	
			999	9		Balance of county				99999	
027	000	2	999	9		Escambia		053	5	0000	
028	105	1				Etowah		055	3	2880	
			018	5		Gadsden				28696	
			999	9		Balance of county				99999	
029	000	2	999	9		Fayette		057	6	0000	
030	000	2	999	9		Franklin		059	5	0000	
031	000	2	999	9		Geneva		061	5	0000	
032	000	2	999	9		Greene		063	9	0000	
033	000	2	999	9		Hale		065	6	0000	
034	000	2				Henry		067	6	0000	
			071	4		Dothan, part				21184	
			999	9		Balance of county				99999	
035	077	1		Houston			069	4	2180		
			012	4		Dothan, part				21184	
			999	9		Balance of county				99999	
036	000	2		Jackson			071	4	0000		
			038	6		Scottsboro				68736	
			999	9		Balance of county				99999	
037	032	1		Jefferson			073	1	1000		
			007	5		Bessemer				05980	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
AL				Alabama	AL		
	037			Jefferson, con.		073	1 1000
		008	3	Birmingham, part			07000
		015	6	Fairfield			25120
		059	6	Gardendale			29056
		067	6	Helena, part			34024
		020	5	Homewood			35800
		021	4	Hoover, part			35896
		022	6	Hueytown			36448
		026	6	Leeds, part			41968
		030	6	Mountain Brook			51696
		065	6	Trussville, part			76944
		046	6	Vestavia Hills			78552
		999	9	Balance of county			99999
	038	000	2	999 9	Lamar	075	6 0000
	039	094	1	Lauderdale		077	4 2650
			016	5 Florence			26896
			999	9 Balance of county			99999
	040	072	1	999 9	Lawrence	079	5 2030
	041	000	2	Lee		081	3 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	4 Decatur, part				20104
		023	3 Huntsville, part				37000
		027	5 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	2 3440
		023	3 Huntsville, part				37000
		027	5 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	4 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	St. Clair		115	4 1000
		026	6 Leeds, part				41968
		069	6 Trussville, part				76944
		999	9 Balance of county				99999
	059	032	1	Shelby		117	3 1000
		001	6 Alabaster				00820
		008	3 Birmingham, part				07000
		060	6 Helena, part				34024
		021	4 Hoover, part				35896
		026	6 Leeds, part				41968

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AL				Alabama			AL				
	059			Shelby, con.				117	3	1000	
		064	6	Pelham						58848	
		070	6	Vestavia Hills, part						78552	
		999	9	Balance of county						99999	
	060	000	2	999	9	Sumter		119	6	0000	
	061	000	2			Talladega		121	4	0000	
		066	6	Oxford, part						57576	
		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	
		044	4	Tuscaloosa						77256	
		999	9	Balance of county						99999	
	064	000	2			Walker		127	4	0000	
		025	6	Jasper						38416	
		999	9	Balance of county						99999	
	065	000	2	999	9	Washington		129	6	0000	
	066	000	2	999	9	Wilcox		131	6	0000	
	067	000	2	999	9	Winston		133	6	0000	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AK				Alaska						AK	
001	000	2	999	9		Aleutians East	013	9	0000		
002	000	2	999	9		Aleutians West	016	9	0000		
003	010	1	001	2		Anchorage, coext. with Anchorage city	020	2	0380	03000	
004	000	2	999	9		Bethel	050	6	0000		
005	000	2	999	9		Bristol Bay	060	9	0000		
006	000	2	999	9		Dillingham	070	9	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	9	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	9	0000		
014	000	2	999	9		Matanuska-Susitna	170	4	0000		
015	000	2	999	9		Nome	180	9	0000		
016	000	2	999	9		North Slope	185	9	0000		
017	000	2	999	9		Northwest Arctic	188	9	0000		
018	000	2	999	9		Prince of Wales-Outer Ketchikan	201	9	0000		
019	000	2	999	9		Sitka	220	9	0000		
020	000	2	999	9		Skagway-Hoonah-Angoon	232	9	0000		
021	000	2	999	9		Southeast Fairbanks	240	9	0000		
022	000	2	999	9		Valdez-Cordova	261	6	0000		
023	000	2	999	9		Wade Hampton	270	9	0000		
024	000	2	999	9		Wrangell-Petersburg	280	9	0000		
025	000	2	999	9		Yakutat	282	9	0000		
026	000	2	999	9		Yukon-Koyukuk	290	9	0000		
027	000	2	999	9		Denali	068	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AZ				Arizona			AZ				
001	000	2	999	9		Apache	001	4	0000		
002	000	2				Cochise	003	3	0000		
			006	6		Douglas				20050	
			020	5		Sierra Vista				66820	
			999	9		Balance of county				99999	
003	000	2				Coconino	005	3	0000		
			007	4		Flagstaff				23620	
			035	6		Sedona, part				65350	
			999	9		Balance of county				99999	
004	000	2				Gila	007	4	0000		
			030	6		Payson				53700	
			999	9		Balance of county				99999	
005	000	2	999	9		Graham	009	5	0000		
006	000	2	999	9		Greenlee	011	9	0000		
007	000	2	999	9		La Paz	012	6	0000		
008	215	1				Maricopa	013	0	6200		
			001	5		Apache Junction, part				02830	
			002	5		Avondale				04720	
			005	3		Chandler				12000	
			008	6		Fountain Hills				25300	
			009	3		Gilbert				27400	
			010	3		Glendale				27820	
			027	6		Goodyear				28380	
			013	2		Mesa				46000	
			015	6		Paradise Valley				52930	
			016	3		Peoria, part				54050	
			017	0		Phoenix				55000	
			019	3		Scottsdale				65000	
			034	5		Surprise				71510	
			021	3		Tempe				73000	
			999	9		Balance of county				99999	
009	159	1				Mohave	015	3	4120		
			003	5		Bullhead City				08220	
			011	6		Kingman				37620	
			012	5		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		
			028	6		Marana				44270	
			029	5		Oro Valley				51600	
			022	2		Tucson				77000	
			999	9		Balance of county				99999	
012	215	1				Pinal	021	3	6200		
			001	5		Apache Junction, part				02830	
			004	5		Casa Grande				10530	
			025	6		Eloy				22360	
			026	6		Florence				23760	
			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		
			036	3		Peoria, part				54050	
			018	5		Prescott				57380	
			031	6		Prescott Valley				57450	
			033	6		Sedona, part				65350	
			999	9		Balance of county				99999	
015	311	1				Yuma	027	3	9360		
			032	6		San Luis				63470	
			023	4		Yuma				85540	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AR				Arkansas			AR				
001	000	2	999	9		Arkansas	001	6	0000		
002	000	2	999	9		Ashley	003	6	0000		
003	000	2				Baxter	005	5	0000		
			034	6		Mountain Home				47390	
			999	9		Balance of county				99999	
004	092	1				Benton	007	3	2580		
			003	6		Bentonville				05320	
			019	5		Rogers				60410	
			035	6		Siloam Springs				64370	
			023	5		Springdale, part				66080	
			999	9		Balance of county				99999	
005	000	2				Boone	009	5	0000		
			031	6		Harrison				30460	
			999	9		Balance of county				99999	
006	000	2	999	9		Bradley	011	6	0000		
007	000	2	999	9		Calhoun	013	9	0000		
008	000	2	999	9		Carroll	015	5	0000		
009	000	2	999	9		Chicot	017	6	0000		
010	000	2				Clark	019	6	0000		
			001	6		Arkadelphia				01870	
			999	9		Balance of county				99999	
011	000	2	999	9		Clay	021	6	0000		
012	000	2	999	9		Cleburne	023	6	0000		
013	000	2	999	9		Cleveland	025	9	0000		
014	000	2				Columbia	027	5	0000		
			015	6		Magnolia				43460	
			999	9		Balance of county				99999	
015	000	2	999	9		Conway	029	6	0000		
016	000	2				Craighead	031	4	0000		
			013	4		Jonesboro				35710	
			999	9		Balance of county				99999	
017	100	1				Crawford	033	4	2720		
			026	6		Van Buren				71480	
			999	9		Balance of county				99999	
018	178	1				Crittenden	035	4	4920		
			028	5		West Memphis				74540	
			999	9		Balance of county				99999	
019	000	2	999	9		Cross	037	6	0000		
020	000	2	999	9		Dallas	039	9	0000		
021	000	2	999	9		Desha	041	6	0000		
022	000	2	999	9		Drew	043	6	0000		
023	166	1				Faulkner	045	4	4400		
			006	5		Conway				15190	
			999	9		Balance of county				99999	
024	000	2	999	9		Franklin	047	6	0000		
025	000	2	999	9		Fulton	049	6	0000		
026	000	2				Garland	051	4	0000		
			011	5		Hot Springs				33400	
			999	9		Balance of county				99999	
027	000	2	999	9		Grant	053	6	0000		
028	000	2				Greene	055	5	0000		
			017	6		Paragould				53390	
			999	9		Balance of county				99999	
029	000	2				Hempstead	057	6	0000		
			032	6		Hope				33190	
			999	9		Balance of county				99999	
030	000	2	999	9		Hot Spring	059	5	0000		
031	000	2	999	9		Howard	061	6	0000		
032	000	2	999	9		Independence	063	5	0000		
033	000	2	999	9		Izard	065	6	0000		
034	000	2	999	9		Jackson	067	6	0000		
035	216	1				Jefferson	069	4	6240		
			018	4		Pine Bluff				55310	
			999	9		Balance of county				99999	
036	000	2	999	9		Johnson	071	6	0000		
037	000	2	999	9		Lafayette	073	9	0000		
038	000	2	999	9		Lawrence	075	6	0000		
039	000	2	999	9		Lee	077	6	0000		
040	000	2	999	9		Lincoln	079	6	0000		
041	000	2	999	9		Little River	081	6	0000		
042	000	2	999	9		Logan	083	6	0000		
043	166	1				Lonoke	085	4	4400		
			030	6		Cabot				10300	
			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
AR				Arkansas			AR				
044	000	2	999	9		Madison		087	6	0000	
045	000	2	999	9		Marion		089	6	0000	
046	281	1				Miller		091	5	8360	
			025	5		Texarkana					68810
			999	9		Balance of county					99999
047	000	2				Mississippi		093	4	0000	
			004	6		Blytheville					07330
			999	9		Balance of county					99999
048	000	2	999	9		Monroe		095	6	0000	
049	000	2	999	9		Montgomery		097	9	0000	
050	000	2	999	9		Nevada		099	9	0000	
051	000	2	999	9		Newton		101	9	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	999	9		Phillips		107	5	0000	
055	000	2	999	9		Pike		109	6	0000	
056	000	2	999	9		Poinsett		111	5	0000	
057	000	2	999	9		Polk		113	6	0000	
058	000	2				Pope		115	4	0000	
			020	6		Russellville					61670
			999	9		Balance of county					99999
059	000	2	999	9		Prairie		117	9	0000	
060	166	1				Pulaski		119	2	4400	
			012	5		Jacksonville					34750
			014	3		Little Rock					41000
			033	6		Maumelle					44600
			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	9	0000	
066	100	1				Sebastian		131	3	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	4		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	9	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
CA				California	CA		
001	201	1		Alameda		001	0 5775
				Alameda			00562
				Albany			00674
				Berkeley			06000
				Dublin			20018
				Fremont			26000
				Hayward			33000
				Livermore			41992
				Newark			50916
				Oakland			53000
				Piedmont			56938
				Pleasanton			57792
				San Leandro			68084
				Union City			81204
				Balance of county			99999
002	000	2	999	9 Alpine		003	9 0000
003	000	2	999	9 Amador		005	5 0000
004	056	1		Butte		007	3 1620
				Chico			13014
				Oroville			54386
				Paradise			55520
				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
				Antioch			02252
				Brentwood			08142
				Clayton			13882
				Concord			16000
				Danville			17988
				El Cerrito			21796
				Hercules			33308
				Lafayette			39122
				Martinez			46114
				Moraga			49187
				Oakley			53070
				Orinda			54232
				Pinole			57288
				Pittsburg			57456
				Pleasant Hill			57764
				Richmond			60620
				San Pablo			68294
				San Ramon			68378
				Walnut Creek			83346
				Balance of county			99999
008	000	2	999	9 Del Norte		015	5 0000
009	239	1		El Dorado		017	3 6920
				South Lake Tahoe			73108
				Balance of county			99999
010	104	1		Fresno		019	1 2840
				Clovis			14218
				Coalinga			14274
				Fresno			27000
				Parlier			55856
				Reedley			60242
				Sanger			67056
				Selma			70882
				Balance of county			99999
011	000	2	999	9 Glenn		021	5 0000
012	000	2		Humboldt		023	3 0000
				Arcata			02476
				Eureka			23042
				Fortuna			25296
				Balance of county			99999
013	000	2		Imperial		025	3 0000
				Brawley			08058
				Calexico			09710
				El Centro			21782
				Balance of county			99999
014	000	2	999	9 Inyo		027	6 0000
015	020	1		Kern		029	1 0680
				Arvin			02924
				Bakersfield			03526
				Delano			18394

Vital Statistics Codes					FIPS Codes					
St	Cnty	P/MSA	M/NM	City P/S	Area Names	St	Cnty	P/S	P/MSA	Place
CA					California	CA				
	015				Kern, con.		029	1	0680	
		219	6		Ridgecrest					60704
		344	6		Shafter					71106
		347	6		Tehachapi					78092
		296	6		Wasco					83542
		999	9		Balance of county					99999
016	000	2			Kings		031	3	0000	
		309	6		Avenal					03302
		053	6		Corcoran					16224
		100	5		Hanford					31960
		134	6		Lemoore					41152
		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	
		346	6		Susanville					77364
		999	9		Balance of county					99999
019	168	1			Los Angeles		037	0	4480	
		001	6		Agoura Hills					00394
		004	4		Alhambra					00884
		008	4		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	3		Burbank					08954
		313	6		Calabasas					09598
		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	3		Downey					19766
		072	6		Duarte					19990
		078	3		El Monte					22230
		080	6		El Segundo					22412
		093	4		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	3		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
		333	6		Malibu					45246
		148	5		Manhattan Beach					45400
		153	5		Maywood					46492
		161	5		Monrovia					48648
		163	4		Montebello					48816
		165	4		Monterey Park					48914
		176	3		Norwalk					52526
		188	3		Palmdale					55156
		192	6		Palos Verdes Estates					55380
		194	4		Paramount					55618
		195	3		Pasadena					56000

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
	019			Los Angeles, con.		037	0 4480
		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
		269	4	South Gate			73080
		271	6	South Pasadena			73220
		278	5	Temple City			78148
		280	3	Torrance			80000
		294	5	Walnut			83332
		298	3	West Covina			84200
		299	5	West Hollywood			84410
		302	4	Whittier			85292
		999	9	Balance of county			99999
020	104	1		Madera		039	3 2840
		315	6	Chowchilla			13294
		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	4	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
		332	6	Livingston			42006
		144	5	Los Banos			44028
		155	4	Merced			46898
		999	9	Balance of county			99999
025	000	2		Modoc		049	9 0000
026	000	2		Mono		051	6 0000
027	245	1		Monterey		053	2 7120
		322	6	Greenfield			30994
		325	6	King City			38520
		150	5	Marina			45778
		164	5	Monterey			48872
		187	6	Pacific Grove			54848
		226	3	Salinas			64224
		263	5	Seaside			70742
		345	6	Soledad			72520
		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
		321	6	Grass Valley			30798
		348	6	Truckee			80588
		999	9	Balance of county			99999
030	207	1		Orange		059	0 5945
		005	2	Anaheim			02000
		028	5	Brea			08100
		029	4	Buena Park			08786
		056	3	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

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
030				Orange, con.	059	0	5945
				111 3 Huntington Beach			36000
				116 3 Irvine			36770
				119 6 Laguna Beach			39178
				326 5 Laguna Hills			39220
				120 4 Laguna Niguel			39248
				327 6 Laguna Woods			39259
				121 4 La Habra			39290
				328 4 Lake Forest			39496
				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
				340 5 Rancho Santa Margarita			59587
				232 5 San Clemente			65084
				241 5 San Juan Capistrano			68028
				250 2 Santa Ana			69000
				262 6 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
				330 6 Lincoln			41474
				221 5 Rocklin			62364
				224 4 Roseville			62938
				999 9 Balance of county			99999
032	000	2	999	Plumas	063	6	0000
033	233	1	999	Riverside	065	0	6780
				018 6 Banning			03820
				310 6 Beaumont			04758
				311 6 Blythe			07218
				039 5 Cathedral City			12048
				048 6 Coachella			14260
				054 3 Corona			16350
				067 6 Desert Hot Springs			18996
				104 4 Hemet			33182
				114 5 Indio			36448
				122 5 Lake Elsinore			39486
				129 6 La Quinta			40354
				168 3 Moreno Valley			49270
				335 5 Murrieta			50076
				175 6 Norco			51560
				189 5 Palm Desert			55184
				190 5 Palm Springs			55254
				196 5 Perris			56700
				339 6 Rancho Mirage			59500
				220 2 Riverside			62000
				239 6 San Jacinto			67112
				277 4 Temecula			78120
				999 9 Balance of county			99999
034	239	1		Sacramento	067	0	6920
				316 4 Citrus Heights			13588
				086 4 Folsom			24638
				320 6 Galt			28112
				225 2 Sacramento			64000
				999 9 Balance of county			99999
035	000	2		San Benito	069	4	0000
				110 5 Hollister			34120
				999 9 Balance of county			99999
036	233	1		San Bernardino	071	0	6780
				307 6 Adelanto			00296
				007 4 Apple Valley			02364
				019 6 Barstow			04030
				043 4 Chino			13210
				314 4 Chino Hills			13214
				049 5 Colton			14890
				087 3 Fontana			24680
				098 6 Grand Terrace			30658
				107 4 Hesperia			33434

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
	036			San Bernardino, con.		071 0	6780
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	4			Victorville			82590
306	5			Yucaipa			87042
350	6			Yucca Valley			87056
999	9			Balance of county			99999
037	249	1		San Diego		073 0	7320
036	4			Carlsbad			11194
044	3			Chula Vista			13392
055	6			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	4			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		San Francisco, coext. with San Francisco	075 1	7360	67000
039	274	1		San Joaquin	077 1	8120	
329	6			Lathrop			40704
136	4			Lodi			42202
149	5			Manteca			45484
341	6			Ripon			61026
274	3			Stockton			75000
281	4			Tracy			80238
999	9			Balance of county			99999
040	252	1		San Luis Obispo	079 3	7460	
010	6			Arroyo Grande			02868
012	5			Atascadero			03064
079	6			El Paso de Robles			22300
099	6			Grover Beach			31393
334	6			Morro Bay			49362
243	5			San Luis Obispo			68154
999	9			Balance of county			99999
041	250	1		San Mateo	081 1	7360	
023	5			Belmont			05108
031	5			Burlingame			09066
062	3			Daly City			17918
074	5			East Palo Alto			20956
088	5			Foster City			25338
323	6			Half Moon Bay			31708
109	6			Hillsborough			33798
154	5			Menlo Park			46870
156	6			Millbrae			47486
186	5			Pacifica			54806
215	4			Redwood City			60102
229	5			San Bruno			65028
231	5			San Carlos			65070
246	4			San Mateo			68252
272	4			South San Francisco			73262
999	9			Balance of county			99999
042	253	1		Santa Barbara	083 2	7480	
037	6			Carpinteria			11446
139	5			Lompoc			42524
251	4			Santa Barbara			69070
256	4			Santa Maria			69196
999	9			Balance of county			99999

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
043	251	1		Santa Clara		085	0 7400
				034 5 Campbell			10345
				060 4 Cupertino			17610
				095 5 Gilroy			29504
				142 5 Los Altos			43280
				145 5 Los Gatos			44112
				158 4 Milpitas			47766
				169 5 Morgan Hill			49278
				170 4 Mountain View			49670
				191 4 Palo Alto			55282
				240 1 San Jose			68000
				252 3 Santa Clara			69084
				261 5 Saratoga			70280
				276 3 Sunnyvale			77000
				999 9 Balance of county			99999
044	254	1		Santa Cruz		087	2 7485
				035 6 Capitola			11040
				254 4 Santa Cruz			69112
				343 6 Scotts Valley			70588
				297 5 Watsonville			83668
				999 9 Balance of county			99999
045	229	1		Shasta		089	3 6690
				212 4 Redding			59920
				999 9 Balance of county			99999
046	000	2		Sierra		091	9 0000
047	000	2		Siskiyou		093	5 0000
048	290	1		Solano		095	2 8720
				024 5 Benicia			05290
				070 6 Dixon			19402
				084 4 Fairfield			23182
				275 5 Suisun City			75630
				289 4 Vacaville			81554
				290 3 Vallejo			81666
				999 9 Balance of county			99999
049	256	1		Sonoma		097	2 7500
				324 6 Healdsburg			33056
				197 4 Petaluma			56784
				222 5 Rohnert Park			62546
				259 3 Santa Rosa			70098
				349 6 Windsor			85922
				999 9 Balance of county			99999
050	185	1		Stanislaus		099	2 5170
				040 5 Ceres			12524
				160 3 Modesto			48354
				178 6 Oakdale			52694
				338 6 Patterson			56112
				342 6 Riverbank			61068
				283 4 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	4 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
				331 6 Lindsay			41712
				206 5 Porterville			58240
				282 5 Tulare			80644
				292 4 Visalia			82954
				999 9 Balance of county			99999
055	000	2		Tuolumne		109	4 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 3 San Buenaventura (Ventura)			65042
				258 5 Santa Paula			70042
				266 3 Simi Valley			72016
				279 3 Thousand Oaks			78582

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
056				Ventura, con.	111	1	8735
				Balance of county			99999
057	307	1		Yolo	113	3	9270
				Davis			18100
				West Sacramento			84816
				Woodland			86328
				Balance of county			99999
058	310	1		Yuba	115	4	9340
				Marysville			46170
				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
CO				Colorado	CO			
001	074	1		Adams		001	2	2080
				001 3 Arvada, part				03455
				002 2 Aurora, part				04000
				004 6 Brighton, part				08675
				008 6 Commerce City				16495
				039 6 Federal Heights				26270
				023 5 Northglenn, part				54330
				026 4 Thornton, part				77290
				027 3 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 2 Aurora, part				04000
				011 5 Englewood				24785
				041 6 Greenwood Village				33035
				019 5 Littleton, part				45255
				999 9 Balance of county				99999
004	000	2	999	9 Archuleta	007	9	0000	
005	000	2	999	9 Baca	009	9	0000	
006	000	2	999	9 Bent	011	9	0000	
007	038	1		Boulder	013	2	1125	
				003 4 Boulder				07850
				017 6 Lafayette				41835
				020 4 Longmont, part				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	9	0000	
010	000	2	999	9 Clear Creek	019	9	0000	
011	000	2	999	9 Conejos	021	9	0000	
012	000	2	999	9 Costilla	023	9	0000	
013	000	2	999	9 Crowley	025	9	0000	
014	000	2	999	9 Custer	027	9	0000	
015	000	2	999	9 Delta	029	5	0000	
016	074	1	009	1 Denver, coext. with Denver city	031	1	2080	20000
017	000	2	999	9 Dolores	033	9	0000	
018	074	1		Douglas	035	3	2080	
				002 2 Aurora, part				04000
				038 6 Castle Rock				12415
				019 5 Littleton, part				45255
				043 6 Parker				57630
				999 9 Balance of county				99999
019	000	2	999	9 Eagle	037	5	0000	
020	000	2	999	9 Elbert	039	6	0000	
021	060	1		El Paso	041	1	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	9	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	9	0000	
028	000	2	999	9 Huerfano	055	9	0000	
029	000	2	999	9 Jackson	057	9	0000	
030	074	1		Jefferson	059	1	2080	
				001 3 Arvada, part				03455
				014 6 Golden				30835
				018 3 Lakewood				43000
				044 5 Littleton, part				45255
				027 3 Westminster, part				83835
				028 5 Wheat Ridge				84440
				999 9 Balance of county				99999
031	000	2	999	9 Kiowa	061	9	0000	
032	000	2	999	9 Kit Carson	063	9	0000	
033	000	2	999	9 Lake	065	9	0000	
034	000	2		La Plata	067	5	0000	
				010 6 Durango				22035
				999 9 Balance of county				99999
035	096	1		Larimer	069	2	2670	
				012 3 Fort Collins				27425

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
CO				Colorado			CO				
	035			Larimer, con.				069	2	2670	
		022	4	Loveland						46465	
		999	9	Balance of county						99999	
	036	000	2	999	9	Las Animas		071	6	0000	
	037	000	2	999	9	Lincoln		073	9	0000	
	038	000	2			Logan		075	6	0000	
		025	6	Sterling						73935	
		999	9	Balance of county						99999	
	039	000	2			Mesa		077	3	0000	
		015	5	Grand Junction						31660	
		999	9	Balance of county						99999	
	040	000	2	999	9	Mineral		079	9	0000	
	041	000	2	999	9	Moffat		081	6	0000	
	042	000	2	999	9	Montezuma		083	6	0000	
	043	000	2			Montrose		085	5	0000	
		042	6	Montrose						51745	
		999	9	Balance of county						99999	
	044	000	2			Morgan		087	5	0000	
		040	6	Fort Morgan						27810	
		999	9	Balance of county						99999	
	045	000	2	999	9	Otero		089	6	0000	
	046	000	2	999	9	Ouray		091	9	0000	
	047	000	2	999	9	Park		093	6	0000	
	048	000	2	999	9	Phillips		095	9	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	3	Pueblo						62000	
		999	9	Balance of county						99999	
	052	000	2	999	9	Rio Blanco		103	9	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	9	0000	
	056	000	2	999	9	San Juan		111	9	0000	
	057	000	2	999	9	San Miguel		113	9	0000	
	058	000	2	999	9	Sedgwick		115	9	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	9	0000	
	062	114	1			Weld		123	3	3060	
		004	6	Brighton, part						08675	
		016	4	Greeley						32155	
		045	4	Longmont, part						45970	
		046	5	Northglenn, part						54330	
		047	4	Thornton, part						77290	
		999	9	Balance of county						99999	
	063	000	2	999	9	Yuma		125	9	0000	
	064	038	1	005	5	Broomfield, coext. with Broomfield city		014	5	1125	09280

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CT				Connecticut	CT		
001	194	1		Fairfield	001	1	5483
				002 6 Bethel town			04720
				004 3 Bridgeport			08000
				007 4 Danbury			18430
				008 6 Darien town			18850
				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			74190
				038 5 Trumbull town			77200
				044 5 Westport town			83500
				999 9 Balance of county			99999
002	122	1		Hartford	003	1	3283
				005 4 Bristol			08420
				011 5 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			52140
				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
				047 5 Windsor town			87000
				046 6 Windsor Locks town			87070
				999 9 Balance of county			99999
003	000	2		Litchfield	005	3	0000
				050 5 New Milford town			52630
				037 5 Torrington			76500
				999 9 Balance of county			99999
004	122	1		Middlesex	007	3	3283
				048 6 Cromwell town			18080
				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			22910
				017 4 Hamden town			35650
				020 4 Meriden			46450
				022 4 Milford			47515
				023 5 Naugatuck borough			49880
				025 3 New Haven			52000
				028 6 North Haven town			54870
				051 6 Seymour town			67610
				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
				049 6 Groton			34180
				027 5 New London			52280
				030 5 Norwich			56200
				999 9 Balance of county			99999
007	122	1		Tolland	013	3	3283
				039 5 Vernon town			78250
				999 9 Balance of county			99999
008	000	2		Windham	015	3	0000

Vital Statistics Geographic Code Outline For The United States              Page 18  
 Effective With 2004 Data.

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

Vital Statistics Geographic Code Outline For The United States      Page 19  
Effective With 2004 Data.

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

DC 001 296 1 001 1 District of Columbia

FIPS Codes  
St Cnty P/S P/MSA Place

DC 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
FL				Florida	FL			
001	106	1		Alachua	001	3	2900	
			032	4 Gainesville			25175	
			999	9 Balance of county			99999	
002	000	2	999	9 Baker	003	6	0000	
003	210	1		Bay	005	3	6015	
			009	6 Callaway			09725	
			131	6 Lynn Haven			41825	
			080	5 Panama City			54700	
			999	9 Balance of county			99999	
004	000	2	999	9 Bradford	007	5	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	5 Cooper City			14125	
			018	3 Coral Springs			14400	
			019	6 Dania Beach			16335	
			020	4 Davie			16475	
			022	4 Deerfield Beach			16725	
			028	3 Fort Lauderdale			24000	
			036	5 Hallandale Beach			28452	
			039	3 Hollywood			32000	
			049	5 Lauderdale Lakes			39525	
			050	4 Lauderhill			39550	
			052	6 Lighthouse Point			40450	
			054	4 Margate			43125	
			060	4 Miramar			45975	
			065	5 North Lauderdale			49425	
			070	5 Oakland Park			50575	
			140	6 Parkland			55125	
			081	3 Pembroke Pines			55775	
			084	4 Plantation			57425	
			086	4 Pompano Beach			58050	
			103	4 Sunrise			69700	
			106	4 Tamarac			70675	
			145	5 Weston			76582	
			114	6 Wilton Manors			78000	
			999	9 Balance of county			99999	
007	000	2	999	9 Calhoun	013	6	0000	
008	224	1		Charlotte	015	3	6580	
			089	6 Punta Gorda			59200	
			999	9 Balance of county			99999	
009	000	2	999	9 Citrus	017	3	0000	
010	135	1	999	9 Clay	019	3	3600	
011	191	1		Collier	021	2	5345	
			134	6 Marco			43075	
			061	6 Naples			47625	
			999	9 Balance of county			99999	
012	000	2	999	9 Columbia	023	4	0000	
013	180	1		Miami-Dade	086	0	5000	
			119	5 Aventura			02681	
			017	5 Coral Gables			14250	
			037	3 Hialeah			30000	
			126	6 Hialeah Gardens			30025	
			040	5 Homestead			32275	
			127	6 Key Biscayne			36300	
			056	2 Miami			45000	
			057	4 Miami Beach			45025	
			058	6 Miami Shores			45175	
			059	6 Miami Springs			45200	
			066	4 North Miami			49450	
			067	5 North Miami Beach			49475	
			073	6 Opa-locka			51650	
			141	6 Pinecrest			56625	
			101	6 South Miami			67550	
			143	6 Sunny Isles Beach			69555	
			104	6 Sweetwater			70345	
			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
FL				Florida							FL
014	000	2	999	9		DeSoto		027	5	0000	
015	000	2	999	9		Dixie		029	6	0000	
016	135	1				Duval		031	1	3600	
			003	6		Atlantic Beach					02400
			041	1		Jacksonville					35000
			042	6		Jacksonville Beach					35050
			999	9		Balance of county					99999
017	212	1		Escambia							033 2 6080
			082	4		Pensacola					55925
			999	9		Balance of county					99999
018	071	1		Flagler							035 5 2020
			137	5		Palm Coast					54200
			999	9		Balance of county					99999
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	5	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	5		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 3 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	9	0000	
035	208	1		Lake							069 3 5960
			027	6		Eustis					21350
			128	6		Lady Lake					37375
			051	6		Leesburg					39875
			999	9		Balance of county					99999
036	098	1		Lee							071 2 2700
			120	5		Bonita Springs					07525
			010	3		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	9	0000	
040	000	2	999	9		Madison		079	6	0000	
041	257	1		Manatee							081 2 7510
			008	5		Bradenton					07950
			138	6		Palmetto					54250
			999	9		Balance of county					99999
042	202	1		Marion							083 2 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	5		Key West					36550
			133	6		Marathon					43000
			999	9		Balance of county					99999
045	135	1		Nassau							089 4 3600
			125	6		Fernandina Beach					22175
			999	9		Balance of county					99999
046	101	1		Okaloosa							091 3 2750
			121	6		Crestview					15475
			124	6		Destin					17325
			031	6		Fort Walton Beach					24475
			064	6		Niceville					48750

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
FL				Florida	FL		
	046			Okaloosa, con.	091	3	2750
		999	9	Balance of county			99999
047	000	2	999	Okeechobee	093	5	0000
048	208	1		Orange	095	1	5960
		002	5	Apopka			01700
		132	6	Maitland			42575
		072	6	Ocoee			51075
		074	3	Orlando			53000
		146	6	Winter Garden			78250
		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	0	8960
		005	6	Belle Glade			05200
		006	4	Boca Raton			07300
		007	4	Boynton Beach			07875
		024	4	Delray Beach			17100
		033	5	Greenacres			27322
		043	5	Jupiter			35875
		047	5	Lake Worth			39075
		068	6	North Palm Beach			49600
		136	6	Palm Beach			54025
		079	5	Palm Beach Gardens			54075
		139	6	Palm Springs			54450
		090	5	Riviera Beach			60975
		092	6	Royal Palm Beach			62100
		144	5	Wellington			75812
		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
		147	6	Zephyrhills			79225
		999	9	Balance of county			99999
052	279	1		Pinellas	103	1	8280
		012	3	Clearwater			12875
		025	5	Dunedin			18575
		034	6	Gulfport			28175
		048	4	Largo			39425
		135	6	Oldsmar			51350
		083	5	Pinellas Park			56975
		093	6	Safety Harbor			62425
		096	3	St. Petersburg			63000
		142	6	Seminole			64975
		108	6	Tarpon Springs			71150
		999	9	Balance of county			99999
053	154	1		Polk	105	2	3980
		118	6	Auburndale			02550
		004	6	Bartow			03675
		035	6	Haines City			28400
		046	4	Lakeland			38250
		130	6	Lake Wales			38950
		115	5	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	3	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			58715
		999	9	Balance of county			99999
057	212	1	999	Santa Rosa	113	3	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

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
FL				Florida	FL		
059				Seminole, con.	117	2	5960
				011 6 Casselberry			11050
				129 6 Lake Mary			38425
				053 6 Longwood			41250
				076 5 Oviedo			53575
				097 5 Sanford			63650
				117 5 Winter Springs			78325
				999 9 Balance of county			99999
060	000	2	999	9 Sumter	119	4	0000
061	000	2	999	9 Suwannee	121	5	0000
062	000	2	999	9 Taylor	123	6	0000
063	000	2	999	9 Union	125	6	0000
064	071	1		Volusia	127	2	2020
				021 4 Daytona Beach			16525
				122 6 De Bary			16675
				023 6 De Land			16875
				123 4 Deltona			17200
				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	999	9 Wakulla	129	6	0000
066	000	2	999	9 Walton	131	5	0000
067	000	2	999	9 Washington	133	6	0000

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
001	000	2	999	9		Appling	001	6	0000		
002	000	2	999	9		Atkinson	003	9	0000		
003	000	2	999	9		Bacon	005	6	0000		
004	000	2	999	9		Baker	007	9	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				Barrow	013	5	0520		
			066	6		Winder				83420	
			999	9		Balance of county				99999	
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	4		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				Bullock	031	4	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	9	0000		
020	000	2				Camden	039	5	0000		
			058	6		Kingsland				43640	
			063	6		St. Marys				67984	
			999	9		Balance of county				99999	
021	000	2	999	9		Candler	043	9	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	4	1560		
024	000	2	999	9		Charlton	049	6	0000		
025	258	1				Chatham	051	3	7520		
			056	6		Garden City				32048	
			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	5	0000		
028	016	1				Cherokee	057	3	0520		
			067	6		Woodstock				84176	
			999	9		Balance of county				99999	
029	015	1				Clarke	059	3	0500		
			004	3		Athens				03440	
			999	9		Balance of county				99999	
030	000	2	999	9		Clay	061	9	0000		
031	016	1				Clayton	063	3	0520		
			011	6		College Park, part				17776	
			021	6		Forest Park				30536	
			062	6		Riverdale				65464	
			999	9		Balance of county				99999	
032	000	2	999	9		Clinch	065	9	0000		
033	016	1				Cobb	067	1	0520		
			050	6		Acworth				00408	
			057	6		Kennesaw				43192	
			028	4		Marietta				49756	
			061	6		Powder Springs				62524	
			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	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
	038			Coweta, con.				077	4	0520	
				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				DeKalb		089	1	0520	
				005 2		Atlanta, part					04000
				016 6		Decatur					22052
				999 9		Balance of county					99999
045	000	2		999 9		Dodge		091	6	0000	
046	000	2		999 9		Dooly		093	6	0000	
047	003	1				Dougherty		095	4	0120	
				001 4		Albany					01052
				999 9		Balance of county					99999
048	016	1				Douglas		097	4	0520	
				018 6		Douglasville					23900
				999 9		Balance of county					99999
049	000	2		999 9		Early		099	6	0000	
050	000	2		999 9		Echols		101	9	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	
				055 6		Fayetteville					28968
				032 5		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	4	0520	
059	000	2		999 9		Franklin		119	6	0000	
060	016	1				Fulton		121	1	0520	
				002 5		Alpharetta					01696
				005 2		Atlanta, part					04000
				011 6		College Park, part					17776
				020 5		East Point					25720
				034 4		Roswell					67284
				065 6		Union City					78324
				999 9		Balance of county					99999
061	000	2		999 9		Gilmer		123	6	0000	
062	000	2		999 9		Glascock		125	9	0000	
063	000	2				Glynn		127	4	0000	
				008 6		Brunswick					11560
				999 9		Balance of county					99999
064	000	2				Gordon		129	5	0000	
				052 6		Calhoun					12456
				999 9		Balance of county					99999
065	000	2		999 9		Grady		131	6	0000	
066	000	2		999 9		Greene		133	6	0000	
067	016	1				Gwinnett		135	1	0520	
				051 6		Buford, part					11784
				054 6		Duluth					24600
				026 6		Lawrenceville					45488
				059 6		Lilburn					46356
				037 6		Snellville					71604
				064 6		Sugar Hill					74180
				999 9		Balance of county					99999
068	000	2		999 9		Habersham		137	5	0000	
069	000	2				Hall		139	3	0000	
				068 6		Buford, part					11784
				022 5		Gainesville					31908
				999 9		Balance of county					99999
070	000	2		999 9		Hancock		141	6	0000	
071	000	2		999 9		Haralson		143	5	0000	
072	063	1		999 9		Harris		145	6	1800	
073	000	2		999 9		Hart		147	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
GA				Georgia			GA				
074	000	2	999	9		Heard	149	6	0000		
075	016	1	999	9		Henry	151	3	0520		
076	172	1				Houston	153	3	4680		
			043	5		Warner Robins, part				80508	
			999	9		Balance of county				99999	
077	000	2	999	9		Irwin	155	9	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	9	0000		
083	000	2	999	9		Johnson	167	9	0000		
084	172	1				Jones	169	6	4680		
			027	4		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	9	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		
089	000	2				Liberty	179	4	0000		
			024	5		Hinesville				38964	
			999	9		Balance of county				99999	
090	000	2	999	9		Lincoln	181	9	0000		
091	000	2	999	9		Long	183	6	0000		
092	000	2				Lowndes	185	4	0000		
			041	5		Valdosta				78800	
			999	9		Balance of county				99999	
093	000	2	999	9		Lumpkin	187	6	0000		
094	018	1	999	9		McDuffie	189	6	0600		
095	000	2	999	9		McIntosh	191	6	0000		
096	000	2	999	9		Macon	193	6	0000		
097	015	1	999	9		Madison	195	5	0500		
098	000	2	999	9		Marion	197	9	0000		
099	000	2	999	9		Meriwether	199	6	0000		
100	000	2	999	9		Miller	201	9	0000		
101	000	2	999	9		Mitchell	205	6	0000		
102	000	2	999	9		Monroe	207	6	0000		
103	000	2				Montgomery	209	9	0000		
			042	6		Vidalia, part				79388	
			999	9		Balance of county				99999	
104	000	2	999	9		Morgan	211	6	0000		
105	000	2	999	9		Murray	213	5	0000		
106	063	1				Muscogee	215	3	1800		
			012	3		Columbus				19007	
			999	9		Balance of county				99999	
107	016	1				Newton	217	4	0520		
			014	6		Covington				20064	
			999	9		Balance of county				99999	
108	015	1	999	9		Oconee	219	5	0500		
109	000	2	999	9		Oglethorpe	221	6	0000		
110	016	1	999	9		Paulding	223	4	0520		
111	172	1				Peach	225	6	4680		
			069	5		Warner Robins, part				80508	
			999	9		Balance of county				99999	
112	016	1	999	9		Pickens	227	6	0520		
113	000	2				Pierce	229	6	0000		
			044	6		Waycross, part				80956	
			999	9		Balance of county				99999	
114	000	2	999	9		Pike	231	6	0000		
115	000	2	999	9		Polk	233	5	0000		
116	000	2	999	9		Pulaski	235	9	0000		
117	000	2	999	9		Putnam	237	6	0000		
118	000	2	999	9		Quitman	239	9	0000		
119	000	2	999	9		Rabun	241	6	0000		
120	000	2	999	9		Randolph	243	9	0000		
121	018	1				Richmond	245	3	0600		
			006	3		Augusta				04204	
			999	9		Balance of county				99999	
122	016	1				Rockdale	247	4	0520		
			053	6		Conyers				19336	
			999	9		Balance of county				99999	
123	000	2	999	9		Schley	249	9	0000		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
124	000	2	999	9		Sciven		251	6	0000	
125	000	2	999	9		Seminole		253	9	0000	
126	016	1				Spalding		255	4	0520	
			023	6		Griffin					35324
			999	9		Balance of county					99999
127	000	2	999	9		Stephens		257	5	0000	
128	000	2	999	9		Stewart		259	9	0000	
129	000	2				Sumter		261	5	0000	
			003	6		Americus					02116
			999	9		Balance of county					99999
130	000	2	999	9		Talbot		263	9	0000	
131	000	2	999	9		Taliaferro		265	9	0000	
132	000	2	999	9		Tattnall		267	6	0000	
133	000	2	999	9		Taylor		269	9	0000	
134	000	2	999	9		Telfair		271	6	0000	
135	000	2	999	9		Terrell		273	6	0000	
136	000	2				Thomas		275	5	0000	
			039	6		Thomasville					76224
			999	9		Balance of county					99999
137	000	2				Tift		277	5	0000	
			040	6		Tifton					76476
			999	9		Balance of county					99999
138	000	2				Toombs		279	5	0000	
			042	6		Vidalia, part					79388
			999	9		Balance of county					99999
139	000	2	999	9		Towns		281	9	0000	
140	000	2	999	9		Treutlen		283	9	0000	
141	000	2				Troup		285	4	0000	
			025	5		LaGrange					44340
			999	9		Balance of county					99999
142	000	2	999	9		Turner		287	9	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				Walton		297	4	0520	
			060	6		Monroe					52192
			999	9		Balance of county					99999
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	9	0000	
150	000	2	999	9		Washington		303	6	0000	
151	000	2	999	9		Wayne		305	5	0000	
152	000	2	999	9		Webster		307	9	0000	
153	000	2	999	9		Wheeler		309	9	0000	
154	000	2	999	9		White		311	6	0000	
155	000	2				Whitfield		313	4	0000	
			015	5		Dalton					21380
			999	9		Balance of county					99999
156	000	2	999	9		Wilcox		315	9	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
HI				Hawaii	HI		
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
			013	6 Halawa			10000
			003	2 Honolulu			17000
			005	5 Kailua			23150
			006	5 Kaneohe			28250
			014	6 Kaneohe Station			28400
			016	6 Makakilo City			47750
			007	5 Mililani Town			51050
			017	6 Nanakuli			53900
			008	5 Pearl City			62600
			009	6 Schofield Barracks			69050
			010	6 Wahiawa			72650
			018	6 Waianae			74450
			019	5 Waimalu			77750
			012	5 Waipahu			79700
			020	6 Waipio			79860
			999	9 Balance of county			99999
003	000	2	999	9 Kalawao	005	9	0000
004	000	2	999	9 Kauai	007	4	0000
005	000	2		Maui	009	3	0000
			004	6 Kahului			22700
			015	6 Kihei			36500
			011	6 Wailuku			77450
			999	9 Balance of county			99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
ID				Idaho			ID				
001	036	1		Ada			001	2	1080		
				001 3		Boise City				08830	
				013 6		Eagle				23410	
				014 6		Garden City				29620	
				015 5		Meridian				52120	
				999 9		Balance of county				99999	
002	000	2	999	9	Adams		003	9	0000		
003	000	2	Bannock				005	4	0000		
			008 4		Pocatello, part					64090	
			999 9		Balance of county					99999	
004	000	2	999	9	Bear Lake		007	9	0000		
005	000	2	999	9	Benewah		009	9	0000		
006	000	2	Bingham				011	5	0000		
			012 6		Blackfoot					07840	
			999 9		Balance of county					99999	
007	000	2	999	9	Blaine		013	6	0000		
008	000	2	999	9	Boise		015	9	0000		
009	000	2	999	9	Bonner		017	5	0000		
010	000	2	Bonneville				019	4	0000		
			004 4		Idaho Falls					39700	
			999 9		Balance of county					99999	
011	000	2	999	9	Boundary		021	9	0000		
012	000	2	999	9	Butte		023	9	0000		
013	000	2	999	9	Camas		025	9	0000		
014	036	1	Canyon				027	3	1080		
			002 5		Caldwell					12250	
			007 4		Nampa					56260	
			999 9		Balance of county					99999	
015	000	2	999	9	Caribou		029	9	0000		
016	000	2	999	9	Cassia		031	6	0000		
017	000	2	999	9	Clark		033	9	0000		
018	000	2	999	9	Clearwater		035	9	0000		
019	000	2	999	9	Custer		037	9	0000		
020	000	2	Elmore				039	5	0000		
			016 6		Mountain Home					54730	
			999 9		Balance of county					99999	
021	000	2	999	9	Franklin		041	6	0000		
022	000	2	999	9	Fremont		043	6	0000		
023	000	2	999	9	Gem		045	6	0000		
024	000	2	999	9	Gooding		047	6	0000		
025	000	2	999	9	Idaho		049	6	0000		
026	000	2	999	9	Jefferson		051	6	0000		
027	000	2	999	9	Jerome		053	6	0000		
028	000	2	Kootenai				055	3	0000		
			003 5		Coeur d'Alene					16750	
			017 6		Post Falls					64810	
			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	9	0000		
031	000	2	Lewis				061	9	0000		
032	000	2	Lincoln				063	9	0000		
033	000	2	Madison				065	5	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	9	0000		
037	000	2	Owyhee				073	6	0000		
038	000	2	Payette				075	6	0000		
039	000	2	Power				077	9	0000		
			008 4		Pocatello, part					64090	
			999 9		Balance of county					99999	
040	000	2	Shoshone				079	6	0000		
041	000	2	Teton				081	9	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	9	0000		
044	000	2	Washington				087	9	0000		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IL				Illinois						IL	
001	000	2		Adams			001	4	0000		
				138	5	Quincy				62367	
				999	9	Balance of county				99999	
002	000	2	999	Alexander			003	9	0000		
003	000	2	999	Bond			005	6	0000		
004	237	1	999	Boone			007	5	6880		
			011	Belvidere						05092	
			245	Loves Park, part						45031	
			999	Balance of county						99999	
005	000	2	999	Brown			009	9	0000		
006	000	2	999	Bureau			011	5	0000		
007	000	2	999	Calhoun			013	9	0000		
008	000	2	999	Carroll			015	6	0000		
009	000	2	999	Cass			017	6	0000		
010	048	1	999	Champaign			019	3	1400		
			032	Champaign						12385	
			139	Rantoul village						62783	
			160	Urbana						77005	
			999	Balance of county						99999	
011	000	2	999	Christian			021	5	0000		
			158	Taylorville						74574	
			999	Balance of county						99999	
012	000	2	999	Clark			023	6	0000		
013	000	2	999	Clay			025	6	0000		
014	243	1	999	Clinton			027	5	7040		
			031	Centralia, part						12164	
			999	Balance of county						99999	
015	000	2	999	Coles			029	4	0000		
			033	Charleston						12567	
			105	Mattoon						47553	
			999	Balance of county						99999	
016	055	1	999	Cook			031	0	1600		
			003	Alsip village						01010	
			005	Arlington Heights village, part						02154	
			206	Barrington village, part						03844	
			007	Bartlett village, part						04013	
			010	Bellwood village						04975	
			012	Bensenville village, part						05248	
			013	Berwyn						05573	
			016	Blue Island						06704	
			020	Bridgeview village						08225	
			021	Brookfield village						08576	
			022	Buffalo Grove village, part						09447	
			023	Burbank						09642	
			231	Burr Ridge village, part						09980	
			025	Calumet City						10487	
			034	Chicago, part						14000	
			035	Chicago Heights						14026	
			036	Chicago Ridge village						14065	
			037	Cicero						14351	
			039	Country Club Hills						16691	
			041	Crestwood village						17497	
			046	Deerfield village, part						18992	
			048	Des Plaines						19642	
			050	Dolton village						20292	
			057	Elgin, part						23074	
			058	Elk Grove Village village, part						23256	
			240	Elmhurst, part						23620	
			060	Elmwood Park village						23724	
			061	Evanston						24582	
			062	Evergreen Park village						24634	
			064	Forest Park village						26935	
			241	Frankfort village, part						27624	
			065	Franklin Park village						27702	
			071	Glenview village						29938	
			074	Hanover Park village, part						32746	
			075	Harvey						33383	
			076	Hazel Crest village						33695	
			078	Hickory Hills						34514	
			080	Hinsdale village, part						35307	
			081	Hoffman Estates village, part						35411	
			082	Homewood village						35879	
			085	Justice village						38830	
			089	La Grange village						40767	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
IL				Illinois	IL		
	016			Cook, con.		031	0 1600
				088 6 La Grange Park village			40793
				092 5 Lansing village			42028
				214 6 Lemont village, part			42795
				095 6 Lincolnwood village			43744
				217 6 Lyons village			45434
				103 6 Markham			47007
				104 6 Matteson village, part			47540
				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 4 Orland Park village, part			56640
				129 4 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
				224 6 River Grove village			64343
				145 6 Rolling Meadows			65338
				147 6 Roselle village, part			65806
				225 6 Sauk Village village, part			67769
				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
				227 6 Summit village			73638
				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
				248 5 Woodridge village, part			83245
				178 6 Worth village			83518
				999 9 Balance of county			99999
017	000	2	999	9 Crawford	033	6 0000	
018	000	2	999	9 Cumberland	035	6 0000	
019	055	1		DeKalb	037	4 1600	
				047 5 DeKalb			19161
				229 6 Sycamore			74223
				999 9 Balance of county			99999
020	000	2	999	9 De Witt	039	6 0000	
021	000	2	999	9 Douglas	041	6 0000	
022	055	1		DuPage	043	1 1600	
				001 5 Addison village			00243
				006 3 Aurora, part			03012
				007 5 Bartlett village, part			04013
				008 6 Batavia, part			04078
				012 6 Bensenville village, part			05248
				014 6 Bloomingdale village			06587
				017 4 Bolingbrook village, part			07133
				208 6 Burr Ridge village, part			09980
				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, part			23620
				069 5 Glendale Heights village			29730
				070 5 Glen Ellyn village			29756

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
IL				Illinois	IL		
	022			DuPage, con.		043	1 1600
		074	5	Hanover Park village, part			32746
		080	6	Hinsdale village, part			35307
		232	6	Lemont village, part			42795
		096	6	Lisle village			43939
		097	5	Lombard village			44407
		116	3	Naperville, part			51622
		147	6	Roselle village, part			65806
		149	5	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
		174	6	Wood Dale			82985
		175	5	Woodridge village, part			83245
		999	9	Balance of county			99999
	023 000	2	999	9 Edgar		045	6 0000
	024 000	2	999	9 Edwards		047	9 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	9 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	9 0000
	034 000	2	999	9 Hancock		067	6 0000
	035 000	2	999	9 Hardin		069	9 0000
	036 000	2	999	9 Henderson		071	9 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	6 Carbondale			11163
			219	6 Murphysboro			51453
			999	9 Balance of county			99999
	040 000	2	999	9 Jasper		079	6 0000
	041 000	2		Jefferson		081	5 0000
			238	6 Centralia, part			12164
			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	3 Aurora, part			03012
			007	5 Bartlett village, part			04013
			008	6 Batavia, part			04078
			029	5 Carpentersville village			11358
			057	4 Elgin, part			23074
			068	6 Geneva			28872
			243	5 Hoffman Estates village, part			35411
			221	6 North Aurora village			53442
			149	5 St. Charles, part			66703
			226	6 South Elgin village			70720
			999	9 Balance of county			99999
	046 144	1		Kankakee		091	3 3740
			018	6 Bourbonnais village			07471
			019	6 Bradley village			07744
			086	5 Kankakee			38934
			999	9 Balance of county			99999
	047 055	1		Kendall		093	4 1600
			236	3 Aurora, part			03012

Vital Statistics Codes					FIPS Codes			
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place	
IL				Illinois	IL			
	047			Kendall, con.	093	4	1600	
		244	3	Joliet, part			38570	
		222	6	Oswego village			56887	
		999	9	Balance of county			99999	
048	000	2		Knox	095	4	0000	
		067	5	Galesburg			28326	
		999	9	Balance of county			99999	
049	055	1		Lake	097	1	1600	
		235	4	Arlington Heights village, part			02154	
		230	6	Barrington village, part			03844	
		207	6	Beach Park village			04303	
		022	5	Buffalo Grove village, part			09447	
		046	6	Deerfield village, part			18992	
		212	6	Grayslake village			31121	
		073	5	Gurnee village			32018	
		079	5	Highland Park			34722	
		090	6	Lake Forest			41105	
		091	6	Lake Zurich village			41742	
		093	6	Libertyville village			43250	
		215	6	Lindenhurst village			43770	
		115	5	Mundelein village			51349	
		121	5	North Chicago			53559	
		148	5	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	
		157	6	Streator, part			73170	
		999	9	Balance of county			99999	
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	2	1600	
		002	6	Algonquin village, part			00685	
		030	6	Cary village			11592	
		042	5	Crystal Lake			17887	
		213	6	Lake in the Hills village			41183	
		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	2	7040	
		004	5	Alton			01114	
		038	6	Collinsville, part			15599	
		055	6	Edwardsville			22697	
		210	6	Glen Carbon village			29639	
		211	6	Godfrey			30094	
		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	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IL Illinois							IL				
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	5	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	4	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	9	0000		
077	000	2	999	9		Pulaski	153	9	0000		
078	000	2	999	9		Putnam	155	9	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		Bellefontaine				04845	
			024	6		Cahokia village				10370	
			038	6		Collinsville, part				15599	
			054	5		East St. Louis				22255	
			063	6		Fairview Heights				25141	
			126	6		O'Fallon				55249	
			228	6		Swansea village				74119	
			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		Schuylerville	169	9	0000		
086	000	2	999	9		Scott	171	9	0000		
087	000	2	999	9		Shelby	173	6	0000		
088	000	2	999	9		Stark	175	9	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				Washington	189	6	0000		
			239	6		Centralia, part				12164	
			999	9		Balance of county				99999	
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	1	1600		
			237	3		Aurora, part				03012	
			017	4		Bolingbrook village, part				07133	
			040	6		Crest Hill				17458	
			209	6		Frankfort village, part				27624	



Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IN							IN				
001	102	1	999	9		Indiana	001	5	2760		
002	102	1				Adams	003	2	2760		
						Allen				25000	
			015	3		Fort Wayne				52992	
			047	6		New Haven				99999	
			999	9		Balance of county					
003	000	2				Bartholomew	005	4	0000		
			007	5		Columbus				14734	
			999	9		Balance of county				99999	
004	000	2	999	9		Benton	007	9	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	5		Jeffersonville				38358	
			999	9		Balance of county				99999	
011	280	1	999	9		Clay	021	5	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				Decatur	031	6	0000		
			069	6		Greensburg				29718	
			999	9		Balance of county				99999	
017	102	1				DeKalb	033	5	2760		
			065	6		Auburn				02674	
			999	9		Balance of county				99999	
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	4		Elkhart				20728	
			019	5		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	
			068	5		Fishers				23278	
			048	5		Noblesville				54180	
			999	9		Balance of county				99999	
030	130	1				Hancock	059	4	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	3	3480		
			066	6		Brownsburg				08416	
			050	6		Plainfield				60246	
			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
IN				Indiana			IN				
	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	
	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	5	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	5	0000	
	041	130	1	Johnson				081	3	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	5	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	LaPorte				091	3	0000	
				033	6	LaPorte				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				36003	
				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	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IN Indiana							IN				
057	000	2	999	9	Noble		113	5	0000		
058	057	1	999	9	Ohio		115	9	1640		
059	000	2	999	9	Orange		117	6	0000		
060	000	2	999	9	Owen		119	6	0000		
061	000	2	999	9	Parke		121	6	0000		
062	000	2	999	9	Perry		123	6	0000		
063	000	2	999	9	Pike		125	6	0000		
064	108	1			Porter		127	3	2960		
			067	6	Chesterton					12412	
			051	5	Portage					61092	
			059	5	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	5	0000		
070	000	2	999	9	Rush		139	6	0000		
071	267	1			St. Joseph		141	2	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	9	0000		
079	152	1			Tippecanoe		157	3	3920		
			031	4	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	9	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	9	0000		
087	089	1	999	9	Warrick		173	4	2440		
088	000	2	999	9	Washington		175	5	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	5	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
IA							IA				
001	000	2	999	9		Adair	001	9	0000		
002	000	2	999	9		Adams	003	9	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	9	0000		
006	000	2	999	9		Benton	011	5	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				Buena Vista	021	6	0000		
			035	6		Storm Lake				75630	
			999	9		Balance of county				99999	
012	000	2	999	9		Butler	023	6	0000		
013	000	2	999	9		Calhoun	025	6	0000		
014	000	2				Carroll	027	6	0000		
			033	6		Carroll				11080	
			999	9		Balance of county				99999	
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	9	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		
			036	6		Clive, part				14520	
			038	5		Urbandale, part				79950	
			030	5		West Des Moines, part				83910	
			999	9		Balance of county				99999	
026	000	2	999	9		Davis	051	9	0000		
027	000	2	999	9		Decatur	053	9	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	9	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	9	0000		
046	000	2	999	9		Humboldt	091	6	0000		
047	000	2	999	9		Ida	093	9	0000		
048	000	2	999	9		Iowa	095	6	0000		
049	000	2	999	9		Jackson	097	6	0000		
050	000	2	999	9		Jasper	099	5	0000		
			023	6		Newton				56505	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IA				Iowa			IA				
	050			Jasper, con.				099	5	0000	
				Balance of county						99999	
051	000	2	999	Jefferson				101	6	0000	
052	131	1	999	Johnson				103	3	3500	
			009	Coralville						16230	
			017	Iowa City						38595	
			999	Balance of county						99999	
053	000	2	999	Jones				105	6	0000	
054	000	2	999	Keokuk				107	6	0000	
055	000	2	999	Kossuth				109	6	0000	
056	000	2	999	Lee				111	5	0000	
			015	Fort Madison						28605	
			018	Keokuk						40845	
			999	Balance of county						99999	
057	047	1	999	Linn				113	3	1360	
			007	Cedar Rapids						12000	
			019	Marion						49485	
			999	Balance of county						99999	
058	000	2	999	Louisa				115	6	0000	
059	000	2	999	Lucas				117	9	0000	
060	000	2	999	Lyon				119	6	0000	
061	000	2	999	Madison				121	6	0000	
062	000	2	999	Mahaska				123	6	0000	
			024	Oskaloosa						59925	
			999	Balance of county						99999	
063	000	2	999	Marion				125	5	0000	
064	000	2	999	Marshall				127	5	0000	
			020	Marshalltown						49755	
			999	Balance of county						99999	
065	000	2	999	Mills				129	6	0000	
066	000	2	999	Mitchell				131	6	0000	
067	000	2	999	Monona				133	6	0000	
068	000	2	999	Monroe				135	9	0000	
069	000	2	999	Montgomery				137	6	0000	
070	000	2	999	Muscatine				139	5	0000	
			022	Muscatine						55110	
			999	Balance of county						99999	
071	000	2	999	O'Brien				141	6	0000	
072	000	2	999	Osceola				143	9	0000	
073	000	2	999	Page				145	6	0000	
074	000	2	999	Palo Alto				147	6	0000	
075	000	2	999	Plymouth				149	6	0000	
			037	Sioux City, part						73335	
			999	Balance of county						99999	
076	000	2	999	Pocahontas				151	9	0000	
077	075	1	999	Polk				153	2	2120	
			032	Altoona						01630	
			002	Ankeny						02305	
			034	Clive, part						14520	
			012	Des Moines						21000	
			028	Urbandale, part						79950	
			030	West Des Moines, part						83910	
			999	Balance of county						99999	
078	206	1	999	Pottawattamie				155	4	5920	
			010	Council Bluffs						16860	
			999	Balance of county						99999	
079	000	2	999	Poweshiek				157	6	0000	
080	000	2	999	Ringgold				159	9	0000	
081	000	2	999	Sac				161	6	0000	
082	069	1	999	Scott				163	3	1960	
			003	Bettendorf						06355	
			011	Davenport						19000	
			999	Balance of county						99999	
083	000	2	999	Shelby				165	6	0000	
084	000	2	999	Sioux				167	5	0000	
085	000	2	999	Story				169	4	0000	
			001	Ames						01855	
			999	Balance of county						99999	
086	000	2	999	Tama				171	6	0000	
087	000	2	999	Taylor				173	9	0000	
088	000	2	999	Union				175	6	0000	
089	000	2	999	Van Buren				177	9	0000	
090	000	2	999	Wapello				179	5	0000	
			025	Ottumwa						60465	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IA				Iowa			IA				
090				Wapello, con.			179	5	0000		
				Balance of county						99999	
091	075	1		Warren			181	5	2120		
				Indianola						38280	
				Balance of county						99999	
092	000	2	999	9	Washington		183	6	0000		
093	000	2	999	9	Wayne		185	9	0000		
094	000	2			Webster		187	5	0000		
					Fort Dodge					28515	
					Balance of county					99999	
095	000	2	999	9	Winnebago		189	6	0000		
096	000	2	999	9	Winneshiek		191	6	0000		
097	265	1			Woodbury		193	3	7720		
					Sioux City, part					73335	
					Balance of county					99999	
098	000	2	999	9	Worth		195	9	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
KS				Kansas			KS				
001	000	2	999	9		Allen	001	6	0000		
002	000	2	999	9		Anderson	003	9	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	9	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	9	0000		
010	000	2	999	9		Chautauqua	019	9	0000		
011	000	2	999	9		Cherokee	021	6	0000		
012	000	2	999	9		Cheyenne	023	9	0000		
013	000	2	999	9		Clark	025	9	0000		
014	000	2	999	9		Clay	027	9	0000		
015	000	2	999	9		Cloud	029	6	0000		
016	000	2	999	9		Coffey	031	9	0000		
017	000	2	999	9		Comanche	033	9	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	9	0000		
021	000	2	999	9		Dickinson	041	6	0000		
022	000	2	999	9		Doniphan	043	9	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	9	0000		
025	000	2	999	9		Elk	049	9	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	9	0000		
028	000	2				Finney	055	5	0000		
			008	5		Garden City				25325	
			999	9		Balance of county				99999	
029	000	2				Ford	057	5	0000		
			005	5		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	9	0000		
033	000	2	999	9		Graham	065	9	0000		
034	000	2	999	9		Grant	067	9	0000		
035	000	2	999	9		Gray	069	9	0000		
036	000	2	999	9		Greeley	071	9	0000		
037	000	2	999	9		Greenwood	073	9	0000		
038	000	2	999	9		Hamilton	075	9	0000		
039	000	2	999	9		Harper	077	9	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	9	0000		
042	000	2	999	9		Hodgeman	083	9	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	9	0000		
046	145	1				Johnson	091	2	3760		
			017	5		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
KS				Kansas	KS		
	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	9 0000	
048	000	2	999	9 Kingman	095	9 0000	
049	000	2	999	9 Kiowa	097	9 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	9 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	9 0000	
054	000	2	999	9 Linn	107	9 0000	
055	000	2	999	9 Logan	109	9 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	9 0000	
061	145	1	999	9 Miami	121	5 3760	
062	000	2	999	9 Mitchell	123	9 0000	
063	000	2		Montgomery	125	5 0000	
		003	6	Coffeyville			14600
		999	9	Balance of county			99999
064	000	2	999	9 Morris	127	9 0000	
065	000	2	999	9 Morton	129	9 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	9 0000	
069	000	2	999	9 Norton	137	9 0000	
070	000	2	999	9 Osage	139	6 0000	
071	000	2	999	9 Osborne	141	9 0000	
072	000	2	999	9 Ottawa	143	9 0000	
073	000	2	999	9 Pawnee	145	9 0000	
074	000	2	999	9 Phillips	147	9 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	9 0000	
077	000	2	999	9 Rawlins	153	9 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	9 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	9 0000	
083	000	2	999	9 Rush	165	9 0000	
084	000	2	999	9 Russell	167	9 0000	
085	000	2		Saline	169	4 0000	
		030	5	Salina			62700
		999	9	Balance of county			99999
086	000	2	999	9 Scott	171	9 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
		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
KS				Kansas	KS		
090	000	2	999	9 Sheridan	179	9	0000
091	000	2	999	9 Sherman	181	9	0000
092	000	2	999	9 Smith	183	9	0000
093	000	2	999	9 Stafford	185	9	0000
094	000	2	999	9 Stanton	187	9	0000
095	000	2	999	9 Stevens	189	9	0000
096	000	2	999	9 Sumner	191	5	0000
097	000	2	999	9 Thomas	193	9	0000
098	000	2	999	9 Trego	195	9	0000
099	000	2	999	9 Wabaunsee	197	9	0000
100	000	2	999	9 Wallace	199	9	0000
101	000	2	999	9 Washington	201	9	0000
102	000	2	999	9 Wichita	203	9	0000
103	000	2	999	9 Wilson	205	6	0000
104	000	2	999	9 Woodson	207	9	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
KY				Kentucky			KY				
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	9	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	5	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	9	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	4	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	9	0000		
021	000	2	999	9		Carroll	041	6	0000		
022	128	1	999	9		Carter	043	5	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	9	0000		
028	000	2	999	9		Crittenden	055	9	0000		
029	000	2	999	9		Cumberland	057	9	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	9	0000		
033	000	2	999	9		Estill	065	6	0000		
034	163	1	016	2		Fayette, coext. with Lexington-Fayette	067	2	4280	46027	
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	9	0000		
039	057	1	999	9		Gallatin	077	9	1640		
040	000	2	999	9		Garrard	079	6	0000		
041	057	1	999	9		Grant	081	6	1640		
042	000	2				Graves	083	5	0000		
			033	6		Mayfield				50898	
			999	9		Balance of county				99999	
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	9	0000		
047	000	2				Hardin	093	4	0000		
			005	6		Elizabethtown				24274	
			025	6		Radcliff				63912	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
KY				Kentucky			KY				
	047			Hardin, con.				093	4	0000	99999
				999 9		Balance of county					
048	000	2	999	9		Harlan		095	5	0000	
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	9	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 5		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	4	0000	
064	000	2	999	9		Lawrence		127	6	0000	
065	000	2	999	9		Lee		129	9	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	9	0000	
071	000	2	999	9		Logan		141	5	0000	
072	000	2	999	9		Lyon		143	9	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	9	0000	
076	163	1				Madison		151	4	4280	
				026 5		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	5	0000	
083	000	2	999	9		Menifee		165	9	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				Nelson		179	5	0000	
				031 6		Bardstown					03628
				999 9		Balance of county					99999
091	000	2	999	9		Nicholas		181	9	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	9	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	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
KY				Kentucky			KY				
099	000	2	999	9		Powell		197	6	0000	
100	000	2				Pulaski		199	4	0000	
			029	6		Somerset					71688
			999	9		Balance of county					99999
101	000	2	999	9		Robertson		201	9	0000	
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	5	4280	
			010	6		Georgetown					30700
			999	9		Balance of county					99999
106	000	2				Shelby		211	5	0000	
			034	6		Shelbyville					70050
			999	9		Balance of county					99999
107	000	2	999	9		Simpson		213	6	0000	
108	000	2	999	9		Spencer		215	6	0000	
109	000	2				Taylor		217	6	0000	
			032	6		Campbellsville					12160
			999	9		Balance of county					99999
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	9	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	9	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
LA				Louisiana			LA				
001	151	1		Acadia			001	4	3880		
				Crowley						18650	
				Eunice, part						24565	
				Balance of parish						99999	
002	000	2	999	Allen			003	5	0000		
003	024	1	999	Ascension			005	4	0760		
004	000	2	999	Assumption			007	6	0000		
005	000	2	999	Avoyelles			009	5	0000		
006	000	2	999	Beauregard			011	5	0000		
007	000	2	999	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	2	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	Caldwell			021	6	0000		
012	000	2	999	Cameron			023	9	0000		
013	000	2	999	Catahoula			025	6	0000		
014	000	2	999	Claiborne			027	6	0000		
015	000	2	999	Concordia			029	6	0000		
016	000	2	999	De Soto			031	5	0000		
017	024	1		East Baton Rouge			033	2	0760		
				003	6	Baker				03985	
				005	3	Baton Rouge				05000	
				035	6	Zachary				83405	
				999	9	Balance of parish				99999	
018	000	2	999	East Carroll			035	9	0000		
019	000	2	999	East Feliciana			037	6	0000		
020	000	2	999	Evangeline			039	5	0000		
021	000	2	999	Franklin			041	6	0000		
022	000	2	999	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	Ibererville			047	5	0000		
025	000	2	999	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	3	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	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	Livingston			063	4	0760		
033	000	2	999	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	Plaquemines			075	5	5560		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
LA				Louisiana			LA				
	039	000	2	999	9	Pointe Coupee		077	6	0000	
	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	9	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	
				034	6	Mandeville					48225
				027	5	Slidell					70805
				999	9	Balance of parish					99999
	053	000	2			Tangipahoa		105	3	0000	
				011	6	Hammond					32755
				999	9	Balance of parish					99999
	054	000	2	999	9	Tensas		107	9	0000	
	055	126	1	999	9	Terrebonne		109	3	3350	
	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
ME				Maine	ME			
001	162	1		Androscoggin	001	3	4243	
				Auburn				02060
				Lewiston				38740
				Balance of county				99999
002	000	2	999	9	Aroostook	003	4	0000
003	219	1			Cumberland	005	2	6403
					Portland			60545
					South Portland			71990
					Westbrook			82105
					Balance of county			99999
004	000	2	999	9	Franklin	007	5	0000
005	000	2	999	9	Hancock	009	4	0000
006	000	2			Kennebec	011	3	0000
					Augusta			02100
					Waterville			80740
					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
					Bangor			02795
					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	4	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
					Biddeford			04860
					Saco			64675
					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
MD				Maryland			MD				
001	066	1		Allegany			001	4	1900		
			007	6		Cumberland				21325	
			999	9		Balance of county				99999	
002	021	1				Anne Arundel	003	2	0720		
			002	5		Annapolis				01600	
			999	9		Balance of county				99999	
003	021	1	999	9		Baltimore	005	1	0720		
004	021	1	003	1		Baltimore city	510	1	0720	04000	
005	296	1	999	9		Calvert	009	4	8840		
006	000	2	999	9		Caroline	011	5	0000		
007	021	1				Carroll	013	3	0720		
			018	6		Westminster				83100	
			999	9		Balance of county				99999	
008	304	1				Cecil	015	4	9160		
			022	6		Elkton				25800	
			999	9		Balance of county				99999	
009	296	1	999	9		Charles	017	3	8840		
010	000	2				Dorchester	019	5	0000		
			005	6		Cambridge				12400	
			999	9		Balance of county				99999	
011	296	1				Frederick	021	3	8840		
			008	4		Frederick				30325	
			999	9		Balance of county				99999	
012	000	2	999	9		Garrett	023	5	0000		
013	021	1				Harford	025	3	0720		
			001	6		Aberdeen				00125	
			020	6		Bel Air				05550	
			023	6		Havre de Grace				37600	
			999	9		Balance of county				99999	
014	021	1	999	9		Howard	027	3	0720		
015	000	2	999	9		Kent	029	6	0000		
016	296	1				Montgomery	031	1	8840		
			009	4		Gaithersburg				31175	
			015	5		Rockville				67675	
			017	6		Takoma Park				76650	
			999	9		Balance of county				99999	
017	296	1				Prince George's	033	1	8840		
			004	4		Bowie				08775	
			006	6		College Park				18750	
			010	6		Greenbelt				34775	
			012	6		Hyattsville				41250	
			013	6		Laurel				45900	
			014	6		New Carrollton				55400	
			999	9		Balance of county				99999	
018	021	1	999	9		Queen Anne's	035	5	0720		
019	000	2	999	9		St. Mary's	037	4	0000		
020	000	2	999	9		Somerset	039	6	0000		
021	000	2				Talbot	041	5	0000		
			021	6		Easton				24475	
			999	9		Balance of county				99999	
022	119	1				Washington	043	3	3180		
			011	5		Hagerstown				36075	
			999	9		Balance of county				99999	
023	000	2				Wicomico	045	4	0000		
			016	6		Salisbury				69925	
			999	9		Balance of county				99999	
024	000	2	999	9		Worcester	047	5	0000		

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MA				Massachusetts	MA		
001	023	1		Barnstable	001	3	0743
				008 5 Barnstable Town			03690
				031 5 Falmouth town			23105
				113 6 Yarmouth town			82525
				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
				106 6 Mansfield town			38225
				059 4 New Bedford			45000
				064 5 North Attleborough town			46575
				077 6 Somerset town			62430
				083 4 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 5 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			40710
				060 6 Newburyport			45245
				108 5 North Andover town			46365
				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			00765
				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			19330
				063 5 Northampton			46330
				111 6 South Hadley town			64145
				999 9 Balance of county			99999
009	037	1		Middlesex	017	0	1123
				100 6 Acton town			00380
				006 5 Arlington town			01605
				101 6 Ashland town			02130
				009 6 Belmont town			05070
				011 5 Billerica town			05805
				016 6 Burlington town			09840
				017 3 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

Vital Statistics Codes					FIPS Codes					
St	Cnty	P/MSA	M/NM	City P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MA					Massachusetts	MA				
009					Middlesex, con.		017	0	1123	
					051 6 Maynard town					39625
					052 4 Medford					39835
					053 5 Melrose					40115
					057 5 Natick town					43895
					061 4 Newton					45560
					109 6 North Reading town					48955
					071 6 Reading town					56130
					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					73440
					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	9	0000	
011	037	1			Norfolk		021	1	1123	
					013 5 Braintree town					07665
					015 4 Brookline town					09175
					104 6 Canton town					11315
					024 6 Dedham town					16495
					105 5 Franklin					25100
					037 6 Holbrook town					30455
					107 6 Medway town					39975
					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
					112 6 Walpole town					72495
					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
					103 5 Bridgewater town					08085
					014 4 Brockton					09000
					040 6 Hull town					31645
					068 4 Plymouth town					54310
					073 6 Rockland town					57775
					110 6 Scituate town					60330
					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	
					102 6 Auburn town					02760
					021 6 Clinton town					14395
					032 5 Fitchburg					23875
					034 6 Gardner					25485
					042 5 Leominster					35075
					055 5 Milford town					41165
					076 5 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
MI				Michigan			MI				
001	000	2	999	9		Alcona	001	6	0000		
002	000	2	999	9		Alger	003	9	0000		
003	112	1				Allegan	005	3	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	9	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				Branch	023	5	0000		
			119	6		Coldwater				17020	
			999	9		Balance of county				99999	
013	143	1				Calhoun	025	3	3720		
			008	4		Battle Creek				05920	
			999	9		Balance of county				99999	
014	000	2				Cass	027	4	0000		
			071	6		Niles, part				57760	
			999	9		Balance of county				99999	
015	000	2	999	9		Charlevoix	029	5	0000		
016	000	2	999	9		Cheboygan	031	5	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	5	0000		
019	156	1				Clinton	037	4	4040		
			133	5		East Lansing, part				24120	
			999	9		Balance of county				99999	
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	3	4040		
			024	5		Delta charter 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	
			121	6		Fenton				27760	
			034	3		Flint				29000	
			035	5		Flint township				29020	
			039	5		Grand Blanc township				33300	
			999	9		Balance of county				99999	
026	000	2	999	9		Gladwin	051	5	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	5		East Lansing, part				24120	
			057	3		Lansing, part				46000	
			063	5		Meridian charter township				53140	
			999	9		Balance of county				99999	
034	000	2				Ionia	067	4	0000		
			124	6		Ionia				40860	
			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
MI				Michigan			MI				
	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	5	Mount Pleasant				56020	
				999	9	Balance of county				99999	
	038	132	1			Jackson		075	3	3520	
				053	5	Jackson				41420	
				999	9	Balance of county				99999	
	039	143	1			Kalamazoo		077	3	3720	
				054	4	Kalamazoo				42160	
				055	6	Kalamazoo township				42180	
				079	5	Portage				65560	
				999	9	Balance of county				99999	
	040	000	2	999	9	Kalkaska		079	6	0000	
	041	112	1			Kent		081	1	3000	
				027	6	East Grand Rapids				23980	
				041	3	Grand Rapids				34000	
				042	6	Grandville				34160	
				056	5	Kentwood				42820	
				127	5	Plainfield township				64660	
				101	6	Walker				82960	
				109	4	Wyoming				88940	
				999	9	Balance of county				99999	
	042	000	2	999	9	Keweenaw		083	9	0000	
	043	000	2	999	9	Lake		085	6	0000	
	044	076	1	999	9	Lapeer		087	4	2160	
	045	000	2			Leelanau		089	6	0000	
				098	6	Traverse City, part				80340	
				999	9	Balance of county				99999	
	046	011	1			Lenawee		091	4	0440	
				001	6	Adrian				00440	
				999	9	Balance of county				99999	
	047	011	1	999	9	Livingston		093	3	0440	
	048	000	2	999	9	Luce		095	9	0000	
	049	000	2	999	9	Mackinac		097	6	0000	
	050	076	1			Macomb		099	1	2160	
				019	5	Chesterfield township				15340	
				021	4	Clinton township				16520	
				026	5	Eastpointe				24290	
				036	6	Fraser				30420	
				048	6	Harrison township				36820	
				125	4	Macomb township				50480	
				066	6	Mount Clemens				55820	
				086	5	Roseville				69800	
				090	4	St. Clair Shores				70760	
				092	4	Shelby charter township				72820	
				095	3	Sterling Heights				76460	
				102	3	Warren				84000	
				999	9	Balance of county				99999	
	051	000	2	999	9	Manistee		101	6	0000	
	052	000	2			Marquette		103	4	0000	
				061	6	Marquette				51900	
				999	9	Balance of county				99999	
	053	000	2	999	9	Mason		105	5	0000	
	054	000	2			Mecosta		107	5	0000	
				013	6	Big Rapids				08300	
				999	9	Balance of county				99999	
	055	000	2	999	9	Menominee		109	5	0000	
	056	240	1			Midland		111	4	6960	
				064	5	Midland, part				53780	
				999	9	Balance of county				99999	
	057	000	2	999	9	Missaukee		113	6	0000	
	058	076	1			Monroe		115	3	2160	
				117	5	Bedford township				06740	
				065	6	Monroe				55020	
				999	9	Balance of county				99999	
	059	000	2	999	9	Montcalm		117	4	0000	
	060	000	2	999	9	Montmorency		119	6	0000	
	061	112	1			Muskegon		121	3	3000	
				069	5	Muskegon				56320	
				070	6	Muskegon Heights				56360	
				073	6	Norton Shores				59140	
				999	9	Balance of county				99999	
	062	000	2	999	9	Newaygo		123	5	0000	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MI				Michigan	MI		
063	076	1		Oakland		125	0 2160
				Auburn Hills			04105
				Berkley			07660
				Beverly Hills village			08160
				Birmingham			08640
				Bloomfield township			09110
				Clawson			16160
				Farmington			27380
				Farmington Hills			27440
				Ferndale			27880
				Hazel Park			37420
				Independence township			40400
				Madison Heights			50560
				Novi			59440
				Oak Park			59920
				Pontiac			65440
				Rochester			69020
				Rochester Hills			69035
				Royal Oak			70040
				Southfield			74900
				South Lyon			75100
				Troy			80700
				Waterford township			84240
				West Bloomfield township			85480
				White Lake township			86860
				Wixom			88140
				Balance of county			99999
064	000	2	999	9 Oceana	127	5	0000
065	000	2	999	9 Ogemaw	129	6	0000
066	000	2	999	9 Ontonagon	131	9	0000
067	000	2	999	9 Osceola	133	6	0000
068	000	2	999	9 Oscoda	135	9	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
			122	5 Holland township			38660
			999	9 Balance of county			99999
071	000	2	999	9 Presque Isle	141	6	0000
072	000	2	999	9 Roscommon	143	5	0000
073	240	1		Saginaw	145	3	6960
			088	4 Saginaw			70520
			089	5 Saginaw charter 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	9	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
			126	5 Pittsfield charter township			64560
			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
			118	6 Brownstown township			11220
			018	4 Canton township			13120
			022	4 Dearborn			21000
			023	4 Dearborn Heights			21020
			025	1 Detroit			22000
			029	6 Ecorse			24740
			037	5 Garden City			31420
			132	6 Grosse Ile township			35420

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MI				Michigan			MI				
082				Wayne, con.			163	0	2160		
				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 5 Plymouth township						65080	
				081 4 Redford township						67625	
				083 6 Riverview						68880	
				085 6 Romulus						69420	
				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
MN						Minnesota	MN				
001	000	2	999	9		Aitkin	001	6	0000		
002	183	1				Anoka	003	2	5120		
			002	5		Andover				01486	
			003	6		Anoka				01720	
			007	5		Blaine, part				06382	
			017	6		Columbia Heights				12700	
			018	4		Coon Rapids				13114	
			084	6		East Bethel				17486	
			029	5		Fridley				22814	
			086	6		Ham Lake				26738	
			087	6		Lino Lakes				37322	
			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	4		St. Cloud, part				56896	
			090	6		Sauk Rapids				58684	
			999	9		Balance of county				99999	
006	000	2	999	9		Big Stone	011	9	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	4	5120		
			014	6		Chanhassen, part				10918	
			015	6		Chaska				10972	
			999	9		Balance of county				99999	
011	000	2	999	9		Cass	021	5	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	9	0000		
016	000	2	999	9		Cook	031	9	0000		
017	000	2	999	9		Cottonwood	033	6	0000		
018	000	2				Crow Wing	035	4	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	4		Eagan				17288	
			085	6		Farmington				20618	
			031	6		Hastings, part				27530	
			035	5		Inver Grove Heights				31076	
			036	5		Lakeville				35180	
			088	6		Mendota Heights				41696	
			048	6		Northfield, part				46924	
			089	6		Rosemount				55726	
			066	6		South St. Paul				61492	
			069	6		West St. Paul				69700	
			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	9	0000		
027	183	1				Hennepin	053	0	5120		
			008	4		Bloomington				06616	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MN				Minnesota	MN		
	027			Hennepin, con.		053	0 5120
		010	5	Brooklyn Center			07948
		011	4	Brooklyn Park			07966
		013	6	Champlin			10846
		014	6	Chanhassen, part			10918
		020	6	Crystal			14158
		023	4	Eden Prairie			18116
		024	5	Edina			18188
		030	6	Golden Valley			24308
		033	6	Hopkins			30140
		038	4	Maple Grove			40166
		041	2	Minneapolis			43000
		042	4	Minnetonka			43252
		046	6	New Hope			45628
		053	4	Plymouth			51730
		057	5	Richfield			54214
		058	6	Robbinsdale			54808
		062	5	St. Louis Park			57220
		999	9	Balance of county			99999
	028	150	1	999 9 Houston		055	6 3870
	029	000	2	999 9 Hubbard		057	6 0000
	030	183	1	999 9 Isanti		059	5 5120
	031	000	2	999 9 Itasca		061	5 0000
	032	000	2	999 9 Jackson		063	6 0000
	033	000	2	999 9 Kanabec		065	6 0000
	034	000	2	Kandiyohi		067	5 0000
			071	6 Willmar			70420
			999	9 Balance of county			99999
	035	000	2	999 9 Kittson		069	9 0000
	036	000	2	999 9 Koochiching		071	6 0000
	037	000	2	999 9 Lac qui Parle		073	9 0000
	038	000	2	999 9 Lake		075	6 0000
	039	000	2	999 9 Lake of the Woods		077	9 0000
	040	000	2	LeSueur		079	5 0000
			093	5 Mankato, part			39878
			999	9 Balance of county			99999
	041	000	2	999 9 Lincoln		081	9 0000
	042	000	2	Lyon		083	5 0000
			040	6 Marshall			40688
			999	9 Balance of county			99999
	043	000	2	McLeod		085	5 0000
			034	6 Hutchinson			30644
			999	9 Balance of county			99999
	044	000	2	999 9 Mahnomen		087	9 0000
	045	000	2	999 9 Marshall		089	6 0000
	046	000	2	Martin		091	6 0000
			026	6 Fairmont			20330
			999	9 Balance of county			99999
	047	000	2	999 9 Meeker		093	6 0000
	048	000	2	999 9 Mille Lacs		095	6 0000
	049	000	2	999 9 Morrison		097	5 0000
	050	000	2	Mower		099	5 0000
			005	6 Austin			02908
			999	9 Balance of county			99999
	051	000	2	999 9 Murray		101	9 0000
	052	000	2	Nicollet		103	5 0000
			037	5 Mankato, part			39878
			049	6 North Mankato, part			47068
			999	9 Balance of county			99999
	053	000	2	Nobles		105	6 0000
			092	6 Worthington			71734
			999	9 Balance of county			99999
	054	000	2	999 9 Norman		107	9 0000
	055	235	1	Olmsted		109	3 6820
			059	4 Rochester			54880
			999	9 Balance of county			99999
	056	000	2	Otter Tail		111	4 0000
			028	6 Fergus Falls			20906
			999	9 Balance of county			99999
	057	000	2	999 9 Pennington		113	6 0000
	058	000	2	999 9 Pine		115	5 0000
	059	000	2	999 9 Pipestone		117	9 0000
	060	111	1	999 9 Polk		119	5 2985
	061	000	2	999 9 Pope		121	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
MN				Minnesota			MN				
062	183	1		Ramsey			123	1	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				47221	
				060 5		Roseville				55852	
				063 2		St. Paul				58000	
				065 5		Shoreview				59998	
				068 6		Vadnais Heights				66460	
				070 6		White Bear Lake, part				69970	
				999 9		Balance of county				99999	
063	000	2		Red Lake			125	9	0000		
064	000	2		Redwood			127	6	0000		
065	000	2		Renville			129	6	0000		
066	000	2		Rice			131	4	0000		
				027 6		Faribault				20546	
				048 6		Northfield, part				46924	
				999 9		Balance of county				99999	
067	000	2		Rock			133	9	0000		
068	000	2		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	
				091 6		Savage				58738	
				064 6		Shakopee				59350	
				999 9		Balance of county				99999	
071	183	1		Sherburne			141	4	5120		
				025 6		Elk River				18674	
				061 4		St. Cloud, part				56896	
				999 9		Balance of county				99999	
072	000	2		Sibley			143	6	0000		
073	241	1		Stearns			145	3	6980		
				061 4		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		Stevens			149	6	0000		
076	000	2		Swift			151	6	0000		
077	000	2		Todd			153	6	0000		
078	000	2		Traverse			155	9	0000		
079	000	2		Wabasha			157	6	0000		
080	000	2		Wadena			159	6	0000		
081	000	2		Waseca			161	6	0000		
082	183	1		Washington			163	3	5120		
				019 5		Cottage Grove				13456	
				031 6		Hastings, part				27530	
				051 5		Oakdale				47680	
				067 6		Stillwater				62824	
				070 6		White Bear Lake, part				69970	
				073 5		Woodbury				71428	
				999 9		Balance of county				99999	
083	000	2		Watonwan			165	6	0000		
084	000	2		Wilkin			167	9	0000		
085	000	2		Winona			169	5	0000		
				072 5		Winona				71032	
				999 9		Balance of county				99999	
086	183	1		Wright			171	4	5120		
				083 6		Buffalo				08452	
				999 9		Balance of county				99999	
087	000	2		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
MS				Mississippi			MS				
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	999	9	Amite		005	6	0000		
004	000	2	999	9	Attala		007	6	0000		
005	000	2	999	9	Benton		009	9	0000		
006	000	2		Bolivar			011	5	0000		
			006	6	Cleveland					14260	
			999	9	Balance of county					99999	
007	000	2	999	9	Calhoun		013	6	0000		
008	000	2	999	9	Carroll		015	6	0000		
009	000	2	999	9	Chickasaw		017	6	0000		
010	000	2	999	9	Choctaw		019	9	0000		
011	000	2	999	9	Claiborne		021	6	0000		
012	000	2	999	9	Clarke		023	6	0000		
013	000	2		Clay			025	6	0000		
			041	6	West Point					79120	
			999	9	Balance of county					99999	
014	000	2		Coahoma			027	5	0000		
			005	6	Clarksdale					13820	
			999	9	Balance of county					99999	
015	000	2	999	9	Copiah		029	5	0000		
016	000	2	999	9	Covington		031	6	0000		
017	178	1		DeSoto			033	3	4920		
			038	6	Horn Lake					33700	
			040	6	Olive Branch					54040	
			030	5	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	999	9	Franklin		037	9	0000		
020	000	2	999	9	George		039	6	0000		
021	000	2	999	9	Greene		041	6	0000		
022	000	2		Grenada			043	6	0000		
			013	6	Grenada					29460	
			999	9	Balance of county					99999	
023	030	1	999	9	Hancock		045	5	0920		
024	030	1		Harrison			047	3	0920		
			001	4	Biloxi					06220	
			014	4	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	999	9	Holmes		051	6	0000		
027	000	2	999	9	Humphreys		053	6	0000		
028	000	2	999	9	Issaquena		055	9	0000		
029	000	2	999	9	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	999	9	Jasper		061	6	0000		
032	000	2	999	9	Jefferson		063	9	0000		
033	000	2	999	9	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	999	9	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	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MS				Mississippi			MS				
	038			Lauderdale, con.				075	4	0000	99999
				Balance of county							
039	000	2	999	9	Lawrence			077	6	0000	
040	000	2	999	9	Leake			079	6	0000	
041	000	2		Lee				081	4	0000	
				Tupelo							74840
				Balance of county							99999
042	000	2		Leflore				083	5	0000	
				Greenwood							29340
				Balance of county							99999
043	000	2	999	9	Lincoln			085	5	0000	
044	000	2		Lowndes				087	4	0000	
				Columbus							15380
				Balance of county							99999
045	133	1		Madison				089	4	3560	
				Canton							11100
				Jackson, part							36000
				Madison							44520
				Ridgeland							62520
				Balance of county							99999
046	000	2	999	9	Marion			091	5	0000	
047	000	2	999	9	Marshall			093	5	0000	
048	000	2	999	9	Monroe			095	5	0000	
049	000	2	999	9	Montgomery			097	6	0000	
050	000	2	999	9	Neshoba			099	5	0000	
051	000	2	999	9	Newton			101	6	0000	
052	000	2	999	9	Noxubee			103	6	0000	
053	000	2		Oktibbeha				105	5	0000	
				Starkville							70240
				Balance of county							99999
054	000	2	999	9	Panola			107	5	0000	
055	000	2		Pearl River				109	5	0000	
				Picayune							57160
				Balance of county							99999
056	000	2	999	9	Perry			111	6	0000	
057	000	2		Pike				113	5	0000	
				McComb							43280
				Balance of county							99999
058	000	2	999	9	Pontotoc			115	5	0000	
059	000	2	999	9	Prentiss			117	5	0000	
060	000	2	999	9	Quitman			119	6	0000	
061	133	1		Rankin				121	3	3560	
				Brandon							08300
				Jackson, part							36000
				Pearl							55760
				Balance of county							99999
062	000	2	999	9	Scott			123	5	0000	
063	000	2	999	9	Sharkey			125	9	0000	
064	000	2	999	9	Simpson			127	5	0000	
065	000	2	999	9	Smith			129	6	0000	
066	000	2	999	9	Stone			131	6	0000	
067	000	2		Sunflower				133	5	0000	
				Indianola							34740
				Balance of county							99999
068	000	2	999	9	Tallahatchie			135	6	0000	
069	000	2	999	9	Tate			137	5	0000	
070	000	2	999	9	Tippah			139	6	0000	
071	000	2	999	9	Tishomingo			141	6	0000	
072	000	2	999	9	Tunica			143	9	0000	
073	000	2	999	9	Union			145	5	0000	
074	000	2	999	9	Walthall			147	6	0000	
075	000	2		Warren				149	5	0000	
				Vicksburg							76720
				Balance of county							99999
076	000	2		Washington				151	4	0000	
				Greenville							29180
				Balance of county							99999
077	000	2	999	9	Wayne			153	6	0000	
078	000	2	999	9	Webster			155	6	0000	
079	000	2	999	9	Wilkinson			157	6	0000	
080	000	2	999	9	Winston			159	6	0000	
081	000	2	999	9	Yalobusha			161	6	0000	
082	000	2		Yazoo				163	5	0000	
				Yazoo City							81520

Vital Statistics Geographic Code Outline For The United States      Page 63  
Effective With 2004 Data.

Vital Statistics Codes				FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	P/MSA	Place	
MS				Mississippi		MS		
082				Yazoo, con.		163	5	0000
	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
MO				Missouri			MO				
001	000	2		Adair			001	6	0000		
			030	6		Kirksville				39026	
			999	9		Balance of county				99999	
002	242	1	999	9		Andrew	003	6	7000		
003	000	2	999	9		Atchison	005	9	0000		
004	000	2				Audrain	007	5	0000		
			037	6		Mexico			47648		
			999	9		Balance of county			99999		
005	000	2	999	9		Barry	009	5	0000		
006	000	2	999	9		Barton	011	6	0000		
007	000	2	999	9		Bates	013	6	0000		
008	000	2	999	9		Benton	015	6	0000		
009	000	2	999	9		Bollinger	017	6	0000		
010	061	1				Boone	019	3	1740		
			012	4		Columbia			15670		
			999	9		Balance of county			99999		
011	242	1				Buchanan	021	4	7000		
			047	4		St. Joseph			64550		
			999	9		Balance of county			99999		
012	000	2				Butler	023	5	0000		
			041	6		Poplar Bluff			59096		
			999	9		Balance of county			99999		
013	000	2	999	9		Caldwell	025	9	0000		
014	000	2				Callaway	027	5	0000		
			019	6		Fulton			26182		
			025	5		Jefferson City, part			37000		
			999	9		Balance of county			99999		
015	000	2	999	9		Camden	029	5	0000		
016	000	2				Cape Girardeau	031	4	0000		
			008	5		Cape Girardeau			11242		
			067	6		Jackson			35648		
			999	9		Balance of county			99999		
017	000	2	999	9		Carroll	033	6	0000		
018	000	2	999	9		Carter	035	9	0000		
019	145	1				Cass	037	4	3760		
			004	6		Belton			04384		
			028	2		Kansas City, part			38000		
			032	4		Lee's Summit, part			41348		
			073	6		Raymore			60752		
			999	9		Balance of county			99999		
020	000	2	999	9		Cedar	039	6	0000		
021	000	2	999	9		Chariton	041	9	0000		
022	270	1				Christian	043	4	7920		
			072	6		Nixa			52616		
			078	3		Springfield, part			70000		
			999	9		Balance of county			99999		
023	000	2	999	9		Clark	045	9	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	5		Liberty			42032		
			999	9		Balance of county			99999		
025	145	1	999	9		Clinton	049	6	3760		
026	000	2				Cole	051	4	0000		
			025	5		Jefferson City, part			37000		
			999	9		Balance of county			99999		
027	000	2	999	9		Cooper	053	6	0000		
028	000	2	999	9		Crawford	055	6	0000		
029	000	2	999	9		Dade	057	9	0000		
030	000	2	999	9		Dallas	059	6	0000		
031	000	2	999	9		Daviess	061	9	0000		
032	000	2	999	9		DeKalb	063	6	0000		
033	000	2	999	9		Dent	065	6	0000		
034	000	2	999	9		Douglas	067	6	0000		
035	000	2				Dunklin	069	5	0000		
			029	6		Kennett			38306		
			999	9		Balance of county			99999		
036	243	1				Franklin	071	4	7040		
			055	6		Washington			77416		
			999	9		Balance of county			99999		
037	000	2	999	9		Gasconade	073	6	0000		
038	000	2	999	9		Gentry	075	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MO				Missouri			MO				
039	270	1		Greene			077	3	7920		
				Springfield, part						70000	
				Balance of county						99999	
040	000	2	999	9		Grundy	079	6	0000		
041	000	2	999	9		Harrison	081	9	0000		
042	000	2	999	9		Henry	083	6	0000		
043	000	2	999	9		Hickory	085	9	0000		
044	000	2	999	9		Holt	087	9	0000		
045	000	2	999	9		Howard	089	6	0000		
046	000	2				Howell	091	5	0000		
					075	West Plains				78928	
					999	Balance of county				99999	
047	000	2	999	9		Iron	093	6	0000		
048	145	1				Jackson	095	1	3760		
					006	Blue Springs				06652	
					021	Grandview				28324	
					024	Independence, part				35000	
					028	Kansas City, part				38000	
					032	Lee's Summit, part				41348	
					042	Raytown				60788	
					999	Balance of county				99999	
049	142	1				Jasper	097	3	3710		
					009	Carthage				11656	
					027	Joplin, part				37592	
					999	Balance of county				99999	
050	243	1				Jefferson	099	3	7040		
					001	Arnold				01972	
					999	Balance of county				99999	
051	000	2				Johnson	101	5	0000		
					054	Warrensburg				77092	
					999	Balance of county				99999	
052	000	2	999	9		Knox	103	9	0000		
053	000	2				Laclede	105	5	0000		
					069	Lebanon				41168	
					999	Balance of county				99999	
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	9	0000		
064	000	2				Marion	127	5	0000		
					022	Hannibal, part				30214	
					999	Balance of county				99999	
065	000	2	999	9		Mercer	129	9	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	9	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	Sikeston, part				67790	
					999	Balance of county				99999	
073	142	1				Newton	145	4	3710		
					027	Joplin, part				37592	
					071	Neosho				51572	
					999	Balance of county				99999	
074	000	2				Nodaway	147	6	0000		
					036	Maryville				46640	
					999	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	9	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	Sedalia				66440	
					999	Balance of county				99999	
081	000	2				Phelps	161	5	0000		
					044	Rolla				62912	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MO				Missouri	MO		
	081			Phelps, con.	161	5	0000
			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	5	0000
085	000	2	999	9 Pulaski	169	5	0000
086	000	2	999	9 Putnam	171	9	0000
087	000	2		Ralls	173	9	0000
			022	6 Hannibal, part			30214
			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	999	9 Reynolds	179	9	0000
091	000	2	999	9 Ripley	181	6	0000
092	243	1		St. Charles	183	2	7040
			068	6 Lake St. Louis			40043
			039	5 O'Fallon			54074
			046	4 St. Charles			64082
			049	4 St. Peters			65126
			999	9 Balance of county			99999
093	000	2	999	9 St. Clair	185	9	0000
094	000	2	999	9 Ste. Genevieve	186	6	0000
095	000	2		St. Francois	187	4	0000
			016	6 Farmington			23752
			070	6 Manchester			45668
			074	6 Town and Country			73618
			076	5 Wildwood			79820
			999	9 Balance of county			99999
096	243	1		St. Louis	189	0	7040
			002	5 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	5 Hazelwood			31276
			026	6 Jennings			37178
			031	5 Kirkwood			39044
			035	5 Maryland Heights			46586
			040	6 Overland			55550
			045	6 St. Ann			63956
			053	5 University City			75220
			056	6 Webster Groves			78154
			999	9 Balance of county			99999
097	243	1	048	2 St. Louis city	510	2	7040
098	000	2		Saline	195	6	0000
			034	6 Marshall			46316
			999	9 Balance of county			99999
099	000	2	999	9 Schuyler	197	9	0000
100	000	2	999	9 Scotland	199	9	0000
101	000	2		Scott	201	5	0000
			008	5 Cape Girardeau, part			11242
			051	6 Sikeston, part			67790
			999	9 Balance of county			99999
102	000	2	999	9 Shannon	203	9	0000
103	000	2	999	9 Shelby	205	9	0000
104	000	2	999	9 Stoddard	207	5	0000
105	000	2	999	9 Stone	209	5	0000
106	000	2	999	9 Sullivan	211	9	0000
107	000	2	999	9 Taney	213	5	0000
108	000	2	999	9 Texas	215	6	0000
109	000	2	999	9 Vernon	217	6	0000
110	243	1	999	9 Warren	219	6	7040
111	000	2	999	9 Washington	221	6	0000

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

FIPS Codes  
St Cnty P/S P/MSA Place

MO	Missouri					MO		
112	000	2	999	9	Wayne	223	6	0000
113	270	1	999	9	Webster	225	5	7920
114	000	2	999	9	Worth	227	9	0000
115	000	2	999	9	Wright	229	6	0000

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MT						Montana	MT				
001	000	2	999	9		Beaverhead	001	9	0000		
002	000	2	999	9		Big Horn	003	6	0000		
003	000	2	999	9		Blaine	005	9	0000		
004	000	2	999	9		Broadwater	007	9	0000		
005	000	2	999	9		Carbon	009	9	0000		
006	000	2	999	9		Carter	011	9	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	9	0000		
009	000	2	999	9		Custer	017	6	0000		
010	000	2	999	9		Daniels	019	9	0000		
011	000	2	999	9		Dawson	021	9	0000		
012	000	2	001	6		Deer Lodge, coext. with Anaconda-Deer Lo	023	9	0000	01675	
013	000	2	999	9		Fallon	025	9	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	5		Bozeman				08950	
			999	9		Balance of county				99999	
017	000	2	999	9		Garfield	033	9	0000		
018	000	2	999	9		Glacier	035	6	0000		
019	000	2	999	9		Golden Valley	037	9	0000		
020	000	2	999	9		Granite	039	9	0000		
021	000	2	999	9		Hill	041	6	0000		
022	000	2	999	9		Jefferson	043	6	0000		
023	000	2	999	9		Judith Basin	045	9	0000		
024	000	2	999	9		Lake	047	5	0000		
025	000	2				Lewis and Clark	049	4	0000		
			007	5		Helena				35600	
			999	9		Balance of county				99999	
026	000	2	999	9		Liberty	051	9	0000		
027	000	2	999	9		Lincoln	053	6	0000		
028	000	2	999	9		McCone	055	9	0000		
029	000	2	999	9		Madison	057	9	0000		
030	000	2	999	9		Meagher	059	9	0000		
031	000	2	999	9		Mineral	061	9	0000		
032	000	2				Missoula	063	4	0000		
			009	4		Missoula				50200	
			999	9		Balance of county				99999	
033	000	2	999	9		Musselshell	065	9	0000		
034	000	2	999	9		Park	067	6	0000		
035	000	2	999	9		Petroleum	069	9	0000		
036	000	2	999	9		Phillips	071	9	0000		
037	000	2	999	9		Pondera	073	9	0000		
038	000	2	999	9		Powder River	075	9	0000		
039	000	2	999	9		Powell	077	9	0000		
040	000	2	999	9		Prairie	079	9	0000		
041	000	2	999	9		Ravalli	081	5	0000		
042	000	2	999	9		Richland	083	9	0000		
043	000	2	999	9		Roosevelt	085	6	0000		
044	000	2	999	9		Rosebud	087	9	0000		
045	000	2	999	9		Sanders	089	6	0000		
046	000	2	999	9		Sheridan	091	9	0000		
047	000	2				Silver Bow	093	5	0000		
			004	5		Butte-Silver Bow				11397	
			999	9		Balance of county				99999	
048	000	2	999	9		Stillwater	095	9	0000		
049	000	2	999	9		Sweet Grass	097	9	0000		
050	000	2	999	9		Teton	099	9	0000		
051	000	2	999	9		Toole	101	9	0000		
052	000	2	999	9		Treasure	103	9	0000		
053	000	2	999	9		Valley	105	9	0000		
054	000	2	999	9		Wheatland	107	9	0000		
055	000	2	999	9		Wibaux	109	9	0000		
056	029	1				Yellowstone	111	3	0880		
			002	4		Billings				06550	
			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
NE				Nebraska	NE		
001	000	2		Adams	001	5	0000
			006	6 Hastings			21415
			999	9 Balance of county			99999
002	000	2	999	9 Antelope	003	9	0000
003	000	2	999	9 Arthur	005	9	0000
004	000	2	999	9 Banner	007	9	0000
005	000	2	999	9 Blaine	009	9	0000
006	000	2	999	9 Boone	011	9	0000
007	000	2	999	9 Box Butte	013	6	0000
008	000	2	999	9 Boyd	015	9	0000
009	000	2	999	9 Brown	017	9	0000
010	000	2		Buffalo	019	5	0000
			007	5 Kearney			25055
			999	9 Balance of county			99999
011	000	2	999	9 Burt	021	9	0000
012	000	2	999	9 Butler	023	9	0000
013	206	1	999	9 Cass	025	6	5920
014	000	2	999	9 Cedar	027	9	0000
015	000	2	999	9 Chase	029	9	0000
016	000	2	999	9 Cherry	031	9	0000
017	000	2	999	9 Cheyenne	033	9	0000
018	000	2	999	9 Clay	035	9	0000
019	000	2	999	9 Colfax	037	6	0000
020	000	2	999	9 Cuming	039	6	0000
021	000	2	999	9 Custer	041	6	0000
022	265	1		Dakota	043	6	7720
			016	6 South Sioux City			46030
			999	9 Balance of county			99999
023	000	2	999	9 Dawes	045	9	0000
024	000	2		Dawson	047	6	0000
			015	6 Lexington			26910
			999	9 Balance of county			99999
025	000	2	999	9 Deuel	049	9	0000
026	000	2	999	9 Dixon	051	9	0000
027	000	2		Dodge	053	5	0000
			004	5 Fremont			17670
			999	9 Balance of county			99999
028	206	1		Douglas	055	2	5920
			011	2 Omaha			37000
			999	9 Balance of county			99999
029	000	2	999	9 Dundee	057	9	0000
030	000	2	999	9 Fillmore	059	9	0000
031	000	2	999	9 Franklin	061	9	0000
032	000	2	999	9 Frontier	063	9	0000
033	000	2	999	9 Furnas	065	9	0000
034	000	2		Gage	067	6	0000
			001	6 Beatrice			03390
			999	9 Balance of county			99999
035	000	2	999	9 Garden	069	9	0000
036	000	2	999	9 Garfield	071	9	0000
037	000	2	999	9 Gosper	073	9	0000
038	000	2	999	9 Grant	075	9	0000
039	000	2	999	9 Greeley	077	9	0000
040	000	2		Hall	079	4	0000
			005	5 Grand Island			19595
			999	9 Balance of county			99999
041	000	2	999	9 Hamilton	081	9	0000
042	000	2	999	9 Harlan	083	9	0000
043	000	2	999	9 Hayes	085	9	0000
044	000	2	999	9 Hitchcock	087	9	0000
045	000	2	999	9 Holt	089	6	0000
046	000	2	999	9 Hooker	091	9	0000
047	000	2	999	9 Howard	093	9	0000
048	000	2	999	9 Jefferson	095	9	0000
049	000	2	999	9 Johnson	097	9	0000
050	000	2	999	9 Kearney	099	9	0000
051	000	2	999	9 Keith	101	9	0000
052	000	2	999	9 Keya Paha	103	9	0000
053	000	2	999	9 Kimball	105	9	0000
054	000	2	999	9 Knox	107	9	0000
055	165	1		Lancaster	109	2	4360
			008	3 Lincoln			28000
			999	9 Balance of county			99999
056	000	2		Lincoln	111	5	0000
			010	6 North Platte			35000

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NE				Nebraska						NE	
	056					Lincoln, con.		111	5	0000	99999
						Balance of county					
057	000	2	999	9		Logan		113	9	0000	
058	000	2	999	9		Loup		115	9	0000	
059	000	2	999	9		McPherson		117	9	0000	
060	000	2				Madison		119	5	0000	
						Norfolk					34615
						Balance of county					99999
061	000	2	999	9		Merrick		121	9	0000	
062	000	2	999	9		Morrill		123	9	0000	
063	000	2	999	9		Nance		125	9	0000	
064	000	2	999	9		Nemaha		127	9	0000	
065	000	2	999	9		Nuckolls		129	9	0000	
066	000	2	999	9		Otoe		131	6	0000	
067	000	2	999	9		Pawnee		133	9	0000	
068	000	2	999	9		Perkins		135	9	0000	
069	000	2	999	9		Phelps		137	9	0000	
070	000	2	999	9		Pierce		139	9	0000	
071	000	2				Platte		141	5	0000	
						Columbus					10110
						Balance of county					99999
072	000	2	999	9		Polk		143	9	0000	
073	000	2	999	9		Red Willow		145	6	0000	
074	000	2	999	9		Richardson		147	9	0000	
075	000	2	999	9		Rock		149	9	0000	
076	000	2	999	9		Saline		151	6	0000	
077	206	1				Sarpy		153	3	5920	
						Bellevue					03950
						La Vista					26385
						Papillion					38295
						Balance of county					99999
078	000	2	999	9		Saunders		155	6	0000	
079	000	2				Scotts Bluff		157	5	0000	
						Scottsbluff					44245
						Balance of county					99999
080	000	2	999	9		Seward		159	6	0000	
081	000	2	999	9		Sheridan		161	9	0000	
082	000	2	999	9		Sherman		163	9	0000	
083	000	2	999	9		Sioux		165	9	0000	
084	000	2	999	9		Stanton		167	9	0000	
085	000	2	999	9		Thayer		169	9	0000	
086	000	2	999	9		Thomas		171	9	0000	
087	000	2	999	9		Thurston		173	9	0000	
088	000	2	999	9		Valley		175	9	0000	
089	206	1	999	9		Washington		177	6	5920	
090	000	2	999	9		Wayne		179	9	0000	
091	000	2	999	9		Webster		181	9	0000	
092	000	2	999	9		Wheeler		183	9	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
NV						Nevada	NV				
001	000	2	002	4		Carson City city	510	4	0000	09700	
002	000	2	999	9		Churchill	001	6	0000		
003	159	1				Clark	003	0	4120		
			001	6		Boulder City				06500	
			004	3		Henderson				31900	
			005	2		Las Vegas				40000	
			006	3		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	9	0000		
007	000	2	999	9		Eureka	011	9	0000		
008	000	2	999	9		Humboldt	013	6	0000		
009	000	2	999	9		Lander	015	9	0000		
010	000	2	999	9		Lincoln	017	9	0000		
011	000	2	999	9		Lyon	019	5	0000		
012	000	2	999	9		Mineral	021	9	0000		
013	159	1	999	9		Nye	023	5	4120		
014	000	2	999	9		Pershing	027	9	0000		
015	000	2	999	9		Storey	029	9	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	9	0000		

Vital Statistics Codes					FIPS Codes			
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S	P/MSA Place
NH				New Hampshire	NH			
001	000	2		Belknap	001	4	0000	
			006	6 Laconia				40180
			999	9 Balance of county				99999
002	000	2	999	9 Carroll	003	5	0000	
003	000	2		Cheshire	005	4	0000	
			005	6 Keene				39300
			999	9 Balance of county				99999
004	000	2		Coos	007	5	0000	
			001	6 Berlin				05140
			999	9 Balance of county				99999
005	000	2		Grafton	009	4	0000	
			007	6 Lebanon				41300
			999	9 Balance of county				99999
006	037	1		Hillsborough	011	2	1123	
			008	3 Manchester				45140
			016	5 Merrimack town				47540
			009	4 Nashua				50260
			999	9 Balance of county				99999
007	000	2		Merrimack	013	3	0000	
			003	5 Concord				14200
			999	9 Balance of county				99999
008	037	1		Rockingham	015	2	1123	
			014	5 Derry town				17940
			015	6 Hampton town				33060
			010	6 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
NJ				New Jersey	NJ		
001	017	1		Atlantic	001	2	0560
				003 5 Atlantic City			02080
				014 6 Brigantine			07810
				188 5 Egg Harbor township			20290
				191 5 Galloway township			25560
				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 5 Bergenfield borough			05170
				022 6 Cliffside Park borough			13570
				031 6 Dumont borough			18400
				038 6 Elmwood Park borough			21300
				039 5 Englewood			21480
				042 5 Fair Lawn borough			22470
				043 6 Fairview borough			22560
				045 5 Fort Lee borough			24420
				189 6 Franklin Lakes borough			24990
				048 5 Garfield			25770
				050 6 Glen Rock borough			26640
				053 5 Hackensack			28680
				060 6 Hasbrouck Heights borough			30420
				194 6 Hillsdale borough			31920
				196 6 Little Ferry borough			40680
				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
				201 6 Ridgefield borough			62910
				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
				184 6 Burlington township			08950
				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
				052 4 Gloucester township			26760
				051 6 Gloucester City			26820
				055 6 Haddon township			28740
				054 6 Haddonfield borough			28770
				078 6 Lindenwold borough			40440
				123 5 Pennsauken township			57660
				198 6 Pine Hill borough			58770
				166 5 Voorhees township			76220
				177 5 Winslow township			81740
				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	
NJ				New Jersey	NJ			
005	017	1		Cape May	009	3	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	
007	198	1		Essex	013	1	5640	
				005 5 Belleville township			04695	
				010 5 Bloomfield township			06260	
				017 6 Cedar Grove township			11200	
				186 5 City of Orange township			13045	
				033 4 East Orange			19390	
				069 4 Irvington township			34450	
				080 5 Livingston township			40890	
				089 6 Maplewood township			43800	
				094 6 Millburn township			46380	
				097 5 Montclair township			47500	
				104 2 Newark			51000	
				112 5 Nutley township			53680	
				151 6 South Orange Village township			69274	
				164 6 Verona township			75815	
				205 6 West Caldwell township			78510	
				207 5 West Orange township			79800	
				999 9 Balance of county			99999	
				999 9 Balance of county			99999	
008	214	1		Gloucester	015	2	6160	
				028 5 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	
				192 6 Guttenberg			28650	
				059 6 Harrison			30210	
				066 5 Hoboken			32250	
				071 3 Jersey City			36000	
				073 5 Kearny			36510	
				109 4 North Bergen township			52470	
				147 6 Secaucus			66570	
				161 4 Union City			74630	
				170 6 Weehawken township			77930	
				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			22185	
				056 4 Hamilton township			29310	
				075 5 Lawrence township			39510	
				133 6 Princeton borough			60900	
				199 6 Princeton township			60915	
				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			19000	
				036 4 Edison township			20230	
				063 6 Highland Park borough			31470	
				091 6 Metuchen borough			45690	
				092 6 Middlesex borough			45900	
				208 5 Monroe township			47280	
				105 5 New Brunswick			51210	
				110 5 North Brunswick township			52560	
				116 4 Old Bridge township			54705	
				125 5 Perth Amboy			58200	
				127 4 Piscataway township			59010	
				129 6 Plainsboro township			59280	
				145 5 Sayreville borough			65790	
				150 5 South Brunswick township			68790	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NJ				New Jersey	NJ		
012				Middlesex, con.	023	1	5015
	152	6		South Plainfield borough			69390
	153	6		South River borough			69420
	178	4		Woodbridge township			82000
	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
	190	5		Freehold township			25230
	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
	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
	203	5		Wall township			76460
	999	9		Balance of county			99999
014	198	1		Morris	027	2	5640
	185	6		Chatham township			12130
	027	6		Denville township			17650
	029	6		Dover			18070
	187	6		East Hanover township			19210
	058	6		Hanover township			29550
	076	6		Lincoln Park borough			40290
	084	6		Madison borough			42510
	197	6		Montville township			47670
	100	6		Morris township			48090
	099	6		Morristown			48300
	119	4		Parsippany-Troy Hills township			56460
	124	6		Pequannock township			58110
	200	6		Randolph township			61890
	202	6		Roxbury township			64980
	999	9		Balance of county			99999
015	186	1		Ocean	029	1	5190
	181	6		Beachwood borough			04180
	009	5		Berkeley township			05305
	011	4		Brick township			07420
	030	4		Dover township			18130
	070	5		Jackson township			34680
	195	5		Lacey township			37380
	074	4		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			40620
	120	4		Passaic			56550
	121	3		Paterson			57000
	132	6		Pompton Lakes borough			60090
	139	6		Ringwood borough			63150
	204	6		Wanaque borough			76730
	169	4		Wayne township			77840
	206	5		West Milford township			79460
	174	6		West Paterson borough			79820
	999	9		Balance of county			99999
017	214	1	999	Salem	033	4	6160
018	181	1	999	Somerset	035	2	5015
	182	6		Bernards township			05560
	183	6		Bound Brook borough			06790
	013	5		Bridgewater township			07720
	046	4		Franklin township			24900
	064	5		Hillsborough township			31890
	087	6		Manville borough			43620
	111	6		North Plainfield borough			53280
	149	6		Somerville borough			68460

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NJ				New Jersey	NJ		
018				Somerset, con.	035	2	5015
		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	1	5640
		008	6	Berkeley Heights township			05320
		021	6	Clark township			13150
		025	6	Cranford township			15640
		037	3	Elizabeth			21000
		065	6	Hillside township			31980
		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			66060
		154	6	Springfield township			70020
		155	6	Summit			71430
		162	4	Union township			74480
		172	5	Westfield			79040
		999	9	Balance of county			99999
021	198	1		Warren	041	3	5640
		193	6	Hackettstown			28710
		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
NM				New Mexico	NM			
001	005	1		Bernalillo	001	1	0200	
			002	2				02000
			019	4	Albuquerque			63460
			999	9	Rio Rancho, part			99999
					Balance of county			
002	000	2	999	9	Catron	003	9	0000
003	000	2		Chaves	005	4	0000	
			014	5	Roswell			64930
			999	9	Balance of county			99999
004	000	2	999	9	Cibola	006	5	0000
005	000	2	999	9	Colfax	007	6	0000
006	000	2		Curry	009	5	0000	
			005	5	Clovis			16420
			999	9	Balance of county			99999
007	000	2	999	9	De Baca	011	9	0000
008	158	1		Dona Ana	013	3	4100	
			010	4	Las Cruces			39380
			018	6	Sunland Park			75640
			999	9	Balance of county			99999
009	000	2		Eddy	015	4	0000	
			003	6	Artesia			05220
			004	5	Carlsbad			12150
			999	9	Balance of county			99999
010	000	2		Grant	017	5	0000	
			016	6	Silver City			73260
			999	9	Balance of county			99999
011	000	2	999	9	Guadalupe	019	9	0000
012	000	2	999	9	Harding	021	9	0000
013	000	2	999	9	Hidalgo	023	9	0000
014	000	2		Lea	025	4	0000	
			009	5	Hobbs			32520
			999	9	Balance of county			99999
015	000	2	999	9	Lincoln	027	6	0000
016	255	1	999	9	Los Alamos	028	6	7490
017	000	2		Luna	029	5	0000	
			006	6	Deming			20270
			999	9	Balance of county			99999
018	000	2		McKinley	031	4	0000	
			008	6	Gallup			28460
			999	9	Balance of county			99999
019	000	2	999	9	Mora	033	9	0000
020	000	2		Otero	035	4	0000	
			001	5	Alamogordo			01780
			999	9	Balance of county			99999
021	000	2	999	9	Quay	037	6	0000
022	000	2	999	9	Rio Arriba	039	5	0000
023	000	2		Roosevelt	041	6	0000	
			012	6	Portales			59260
			999	9	Balance of county			99999
024	005	1		Sandoval	043	4	0200	
			013	4	Rio Rancho, part			63460
			999	9	Balance of county			99999
025	000	2		San Juan	045	3	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	3	7490	
			015	4	Santa Fe			70500
			999	9	Balance of county			99999
028	000	2	999	9	Sierra	051	6	0000
029	000	2	999	9	Socorro	053	6	0000
030	000	2	999	9	Taos	055	5	0000
031	000	2	999	9	Torrance	057	6	0000
032	000	2	999	9	Union	059	9	0000
033	005	1		Valencia	061	4	0200	
			017	6	Los Lunas village			43370
			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
NY				New York			NY				
	001	004	1	Albany				001	2	0160	
				001 4	Albany					01000	
				007 5	Bethlehem town					06354	
				017 6	Cohoes					16749	
				097 6	Watervliet					78674	
				999 9	Balance of county					99999	
	002	000	2	Allegany				003	5	0000	
	003	031	1	Broome				007	3	0960	
				008 5	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	Chenango				017	4	0000	
	009	000	2	Clinton				019	4	0000	
				073 6	Plattsburgh					58574	
				999 9	Balance of county					99999	
	010	000	2	Columbia				021	4	0000	
	011	000	2	Cortland				023	5	0000	
				019 6	Cortland					18388	
				999 9	Balance of county					99999	
	012	000	2	Delaware				025	5	0000	
	013	081	1	Dutchess				027	2	2281	
				006 6	Beacon					05100	
				106 5	East Fishkill town					21996	
				076 5	Poughkeepsie					59641	
				999 9	Balance of county					99999	
	014	043	1	Erie				029	1	1280	
				012 2	Buffalo					11000	
				104 5	Clarence town					15825	
				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	Essex				031	5	0000	
	016	000	2	Franklin				033	4	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	Greene				039	5	0000	
	020	000	2	Hamilton				041	9	0000	
	021	289	1	Herkimer				043	4	8680	
	022	000	2	Jefferson				045	3	0000	
				096 5	Watertown					78608	
				999 9	Balance of county					99999	
	023	000	2	Lewis				049	5	0000	
	024	236	1	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	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NY				New York	NY		
	026			Monroe, con.		055	1 6840
		030	5	Gates town			28442
		035	4	Greece town			30290
		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	5 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	5	Glen Cove			29113
		038	4	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
		087	0	Staten Island borough, Richmond county	085	2	
		077	0	Queens borough, Queens county	081	0	
		053	0	Manhattan borough, New York county	061	0	
		011	0	Brooklyn borough, Kings county	047	0	
		010	0	Bronx borough, Bronx county	005	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	3 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	3 6840
		013	6	Canandaigua			12144
		031	6	Geneva, part			28640
		999	9	Balance of county			99999
034	199	1		Orange		071	2 5660
		108	6	Kiryas Joel village			39853
		056	5	Middletown			47042
		059	5	Newburgh			50034
		110	5	Newburgh town			50045
		999	9	Balance of county			99999
035	236	1	999	Orleans		073	5 6840
036	276	1	999	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	5	Troy			75484
		999	9	Balance of county			99999
040	197	1		Rockland		087	2 5600
		107	6	Haverstraw village			32754
		086	5	Spring Valley village			70420
		088	6	Suffern village			71894
		111	6	West Haverstraw village			80203
		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
NY				New York			NY				
	041	000	2	St. Lawrence				089	3	0000	
				055 6		Massena village					46019
				064 6		Ogdensburg					54485
				999 9		Balance of county					99999
	042	004	1	Saratoga				091	3	0160	
				016 5		Clifton Park town					16353
				083 5		Saratoga Springs					65255
				999 9		Balance of county					99999
	043	004	1	Schenectady				093	3	0160	
				062 6		Niskayuna town					51264
				081 5		Rotterdam town					63935
				085 4		Schenectady					65508
				999 9		Balance of county					99999
	044	004	1	Schoharie				095	5	0160	
	045	000	2	Schuylerville				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
				109 6		Lake Grove village					40530
				048 5		Lindenhurst village					42554
				070 6		Patchogue village					56660
				113 5		Riverhead town					61984
				999 9		Balance of county					99999
	049	000	2	Sullivan				105	4	0000	
	050	031	1	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
				112 5		Queensbury town					60356
				999 9		Balance of county					99999
	054	109	1	Washington				115	4	2975	
	055	236	1	Wayne				117	4	6840	
	056	197	1	Westchester				119	1	5600	
				105 6		Dobbs Ferry village					20698
				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 5		Port Chester village					59223
				082 6		Rye					64309
				084 6		Scarsdale village					65431
				090 6		Tarrytown village					73176
				100 4		White Plains					81677
				101 3		Yonkers					84000
				102 5		Yorktown town					84077
				999 9		Balance of county					99999
	057	000	2	Wyoming				121	5	0000	
	058	000	2	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
NC				North Carolina			NC				
001	116	1		Alamance			001	3	3120		
				005	5	Burlington				09060	
				018	6	Graham				27280	
				999	9	Balance of county				99999	
002	124	1		Alexander			003	5	3290		
003	000	2		Alleghany			005	6	0000		
004	000	2		Anson			007	5	0000		
005	000	2		Ashe			009	6	0000		
006	000	2		Avery			011	6	0000		
007	000	2		Beaufort			013	5	0000		
008	000	2		Bertie			015	6	0000		
009	000	2		Bladen			017	5	0000		
010	305	1		Brunswick			019	4	9200		
011	014	1		Buncombe			021	3	0480		
				003	4	Asheville				02140	
				999	9	Balance of county				99999	
012	124	1		Burke			023	4	3290		
				023	5	Hickory, part				31060	
				036	6	Morganton				44400	
				999	9	Balance of county				99999	
013	051	1		Cabarrus			025	3	1520		
				010	4	Concord				14100	
				026	5	Kannapolis, part				35200	
				999	9	Balance of county				99999	
014	124	1		Caldwell			027	4	3290		
				075	5	Hickory, part				31060	
				030	6	Lenoir				37760	
				999	9	Balance of county				99999	
015	000	2		Camden			029	9	0000		
				013	6	Elizabeth City, part				20580	
				999	9	Balance of county				99999	
016	000	2		Carteret			031	4	0000		
017	000	2		Caswell			033	6	0000		
018	124	1		Catawba			035	3	3290		
				023	5	Hickory, part				31060	
				069	6	Newton				47000	
				999	9	Balance of county				99999	
019	226	1		Chatham			037	5	6640		
				073	4	Cary, part				10740	
				999	9	Balance of county				99999	
020	000	2		Cherokee			039	6	0000		
021	000	2		Chowan			041	6	0000		
022	000	2		Clay			043	9	0000		
023	000	2		Cleveland			045	4	0000		
				044	6	Shelby				61200	
				999	9	Balance of county				99999	
024	000	2		Columbus			047	4	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	3	Fayetteville				22920	
				065	6	Hope Mills				32640	
				999	9	Balance of county				99999	
027	200	1		Currituck			053	6	5720		
028	000	2		Dare			055	5	0000		
029	116	1		Davidson			057	3	3120		
				024	4	High Point, part				31400	
				031	6	Lexington				38060	
				047	6	Thomasville, part				67420	
				999	9	Balance of county				99999	
030	116	1		Davie			059	5	3120		
031	000	2		Duplin			061	5	0000		
032	226	1		Durham			063	3	6640		
				008	5	Chapel Hill, part				11800	
				011	3	Durham, part				19000	
				076	2	Raleigh, part				55000	
				999	9	Balance of county				99999	
033	238	1		Edgecombe			065	4	6895		
				041	4	Rocky Mount, part				57500	
				046	6	Tarboro				66700	
				999	9	Balance of county				99999	
034	116	1		Forsyth			067	2	3120		
				062	6	Clemmons village				12960	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NC						North Carolina	NC				
	034					Forsyth, con.		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	
		999	9			Balance of county				99999	
037	000	2	999	9		Gates		073	6	0000	
038	000	2	999	9		Graham		075	9	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	4	0000	
045	000	2				Henderson		089	4	0000	
		064	6			Hendersonville				30720	
		999	9			Balance of county				99999	
046	000	2	999	9		Hertford		091	6	0000	
047	000	2	999	9		Hoke		093	5	0000	
048	000	2	999	9		Hyde		095	9	0000	
049	000	2				Iredell		097	3	0000	
		068	6			Mooresville				44220	
		045	6			Statesville				64740	
		999	9			Balance of county				99999	
050	000	2	999	9		Jackson		099	5	0000	
051	226	1				Johnston		101	3	6640	
		070	6			Smithfield				62520	
		999	9			Balance of county				99999	
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	6			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	5	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	1			Charlotte				12000	
		063	6			Cornelius				14700	
		066	6			Huntersville				33120	
		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	5	0000	
063	000	2				Moore		125	4	0000	
		071	6			Southern Pines				63120	
		999	9			Balance of county				99999	
064	238	1				Nash		127	4	6895	
		041	4			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		Northhampton		131	6	0000	
067	136	1				Onslow		133	3	3605	
		025	4			Jacksonville				34200	
		999	9			Balance of county				99999	
068	226	1				Orange		135	3	6640	
		006	6			Carrboro				10620	
		008	5			Chapel Hill, part				11800	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NC						North Carolina	NC				
	068					Orange, con.		135	3	6640	
				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	4	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	
				077	6	Thomasville, part				67420	
				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	5	Salisbury				58860	
				999	9	Balance of county				99999	
	081	000	2	999	9	Rutherford		161	4	0000	
	082	000	2	999	9	Sampson		163	4	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	9	0000	
	090	051	1			Union		179	3	1520	
				067	6	Indian Trail				33560	
				035	5	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	1	6640	
				061	6	Apex				01520	
				007	4	Cary, part				10740	
				074	3	Durham, part				19000	
				015	6	Garner				25480	
				038	2	Raleigh, part				55000	
				072	6	Wake Forest				70540	
				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
ND				North Dakota			ND				
001	000	2	999	9		Adams	001	9	0000		
002	000	2	999	9		Barnes	003	6	0000		
003	000	2	999	9		Benson	005	9	0000		
004	000	2	999	9		Billings	007	9	0000		
005	000	2	999	9		Bottineau	009	9	0000		
006	000	2	999	9		Bowman	011	9	0000		
007	000	2	999	9		Burke	013	9	0000		
008	033	1				Burleigh	015	4	1010		
			001	4		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	9	0000		
011	000	2	999	9		Dickey	021	9	0000		
012	000	2	999	9		Divide	023	9	0000		
013	000	2	999	9		Dunn	025	9	0000		
014	000	2	999	9		Eddy	027	9	0000		
015	000	2	999	9		Emmons	029	9	0000		
016	000	2	999	9		Foster	031	9	0000		
017	000	2	999	9		Golden Valley	033	9	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	9	0000		
020	000	2	999	9		Griggs	039	9	0000		
021	000	2	999	9		Hettinger	041	9	0000		
022	000	2	999	9		Kidder	043	9	0000		
023	000	2	999	9		LaMoure	045	9	0000		
024	000	2	999	9		Logan	047	9	0000		
025	000	2	999	9		McHenry	049	9	0000		
026	000	2	999	9		McIntosh	051	9	0000		
027	000	2	999	9		McKenzie	053	9	0000		
028	000	2	999	9		McLean	055	9	0000		
029	000	2	999	9		Mercer	057	9	0000		
030	033	1				Morton	059	5	1010		
			006	6		Mandan				49900	
			999	9		Balance of county				99999	
031	000	2	999	9		Mountrail	061	9	0000		
032	000	2	999	9		Nelson	063	9	0000		
033	000	2	999	9		Oliver	065	9	0000		
034	000	2	999	9		Pembina	067	9	0000		
035	000	2	999	9		Pierce	069	9	0000		
036	000	2	999	9		Ramsey	071	6	0000		
037	000	2	999	9		Ransom	073	9	0000		
038	000	2	999	9		Renville	075	9	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	9	0000		
042	000	2	999	9		Sheridan	083	9	0000		
043	000	2	999	9		Sioux	085	9	0000		
044	000	2	999	9		Slope	087	9	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	9	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	9	0000		
049	000	2	999	9		Traill	097	9	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	9	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
OH						Ohio	OH				
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	4	0000		
			004	6		Ashland				02568	
			999	9		Balance of county				99999	
004	059	1				Ashtabula	007	3	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, part				25970	
			063	4		Hamilton				33012	
			088	4		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				Clermont	025	3	1640		
			189	6		Loveland, part				45108	
			999	9		Balance of county				99999	
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	2		Cleveland				16000	
			033	5		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	5		North Royalton				57008	
			104	4		Parma				61000	
			105	6		Parma Heights				61028	
			179	6		Richmond Heights				66894	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
OH				Ohio	OH		
	018			Cuyahoga, con.		035	0 1680
		112	6	Rocky River			68056
		115	6	Seven Hills			71416
		116	5	Shaker Heights			71682
		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	3 1840
		186	1	Columbus, part			18000
		040	5	Delaware			21434
		042	5	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	0 1840
		016	6	Bexley			06278
		034	1	Columbus, part			18000
		042	5	Dublin, part			22694
		057	5	Gahanna			29106
		062	5	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
		188	4	Kettering, part			40040
		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
		187	5	Fairfield, part			25970
		053	6	Forest Park			27706
		074	6	Loveland, part			45108
		177	6	Montgomery			51716
		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

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OH						Ohio	OH				
	032					Hancock, con.		063	4	0000	
				054	6	Fostoria, part					28014
				999	9	Balance of county					99999
	033	000	2	999	9	Hardin		065	5	0000	
	034	000	2	999	9	Harrison		067	6	0000	
	035	000	2	999	9	Henry		069	5	0000	
	036	000	2	999	9	Highland		071	5	0000	
	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	4	0000	
				089	6	Mount Vernon					53102
				999	9	Balance of county					99999
	043	059	1			Lake		085	3	1680	
				044	6	Eastlake					23618
				085	4	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
				178	6	Pataskala village					61112
				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
				171	6	Avon					03352
				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
				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	5	Medina					48790
				138	6	Wadsworth					80304
				999	9	Balance of county					99999
	053	000	2	999	9	Meigs		105	6	0000	
	054	000	2			Mercer		107	5	0000	
				172	6	Celina					12868
				999	9	Balance of county					99999
	055	070	1			Miami		109	4	2000	
				065	5	Huber Heights, part					36610
				107	6	Piqua					62848

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
OH				Ohio	OH		
	055			Miami, con.	109	4	2000
		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
		173	6	Clayton village			15644
		038	3	Dayton			21000
		047	6	Englewood			25396
		065	5	Huber Heights, part			36610
		068	4	Kettering, part			40040
		086	6	Miamisburg			49434
		180	6	Riverside village			67468
		185	6	Springboro, part			74076
		183	5	Trotwood			77504
		135	6	Vandalia			79492
		142	6	West Carrollton City			83111
		999	9	Balance of county			99999
	058	000	2	999 9 Morgan	115	6	0000
	059	000	2	999 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 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	4	1840
		031	6	Circleville			15070
		999	9	Balance of county			99999
	066	000	2	999 9 Pike	131	5	0000
	067	002	1	Portage	133	3	0080
		170	6	Aurora			03086
		067	5	Kent			39872
		109	6	Ravenna			65592
		182	6	Streetsboro			75014
		191	6	Tallmadge, part			76106
		999	9	Balance of county			99999
	068	000	2	999 9 Preble	135	5	0000
	069	000	2	999 Putnam	137	5	0000
	070	174	1	Richland	139	3	4800
		076	5	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
		174	6	Green			31860
		175	6	Hudson			36651
		098	6	Norton, part			57260
		124	5	Stow			74944
		128	6	Tallmadge, part			76106

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OH						Ohio	OH				
	077					Summit, con.		153	1	0080	
				184	6	Twinsburg				78050	
				999	9	Balance of county				99999	
	078	309	1			Trumbull		155	3	9320	
				060	6	Girard				30198	
				092	6	Niles				55916	
				139	5	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	5	Dublin, part				22694	
				176	6	Marysville				48160	
				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	
				071	6	Lebanon				42364	
				190	6	Loveland, part				45108	
				080	6	Mason				48188	
				088	4	Middletown, part				49840	
				181	6	Springboro, part				74076	
				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	999	9	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	999	9	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
OK				Oklahoma			OK				
001	000	2	999	9		Adair	001	6	0000		
002	000	2	999	9		Alfalfa	003	9	0000		
003	000	2	999	9		Atoka	005	6	0000		
004	000	2	999	9		Beaver	007	9	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	1		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	9	0000		
014	204	1				Cleveland	027	3	5880		
			021	5		Moore				49200	
			024	4		Norman				52500	
			025	1		Oklahoma City, part				55000	
			999	9		Balance of county				99999	
015	000	2	999	9		Coal	029	9	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	9	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	999	9		Custer	039	5	0000		
021	000	2	999	9		Delaware	041	5	0000		
022	000	2	999	9		Dewey	043	9	0000		
023	000	2	999	9		Ellis	045	9	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	9	0000		
028	000	2	999	9		Greer	055	9	0000		
029	000	2	999	9		Harmon	057	9	0000		
030	000	2	999	9		Harper	059	9	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	9	0000		
035	000	2	999	9		Johnston	069	6	0000		
036	000	2				Kay	071	5	0000		
			028	5		Ponca City, part				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	999	9		Logan	083	5	5880		
043	000	2	999	9		Love	085	9	0000		
044	204	1	999	9		McClain	087	5	5880		
			999	9		Oklahoma City, part				99999	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OK				Oklahoma			OK				
	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	9	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	1	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	
				053	5	Ponca City, part				59850	
				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	1	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	9	0000	
	066	286	1			Rogers		131	4	8560	
				008	6	Claremore				14700	
				052	6	Owasso, part				56650	
				035	2	Tulsa, part				75000	
				999	9	Balance of county				99999	
	067	000	2	999	9	Seminole		133	6	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			Texas		139	6	0000	
				050	6	Guymon				31750	
				999	9	Balance of county				99999	
	071	000	2	999	9	Tillman		141	9	0000	
	072	286	1			Tulsa		143	1	8560	
				049	6	Bixby, part				06400	
				006	4	Broken Arrow, part				09050	
				027	6	Owasso, part				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	4	8560	
				051	6	Bixby, part				06400	
				006	4	Broken Arrow, part				09050	
				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
OK				Oklahoma	OK		
074	000	2		Washington	147	5	0000
			004	5      Bartlesville, part			04450
			999	9      Balance of county			99999
075	000	2	999	9      Washita	149	6	0000
076	000	2	999	9      Woods	151	9	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
OR				Oregon			OR				
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		
			043	6		Canby				10750	
			011	6		Gladstone				29000	
			019	5		Lake Oswego, part				40550	
			023	6		Milwaukie, part				48650	
			025	5		Oregon City				55200	
			027	1		Portland, part				59000	
			032	6		Tualatin, part				74950	
			033	6		West Linn				80150	
			051	6		Wilsonville, part				82800	
			999	9		Balance of county				99999	
004	000	2	999	9		Clatsop	007	5	0000		
005	220	1				Columbia	009	5	6440		
			048	6		St. Helens				64600	
			999	9		Balance of county				99999	
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	3	0000		
			005	4		Bend				05800	
			047	6		Redmond				61200	
			999	9		Balance of county				99999	
010	000	2				Douglas	019	3	0000		
			028	6		Roseburg				63650	
			999	9		Balance of county				99999	
011	000	2	999	9		Gilliam	021	9	0000		
012	000	2	999	9		Grant	023	9	0000		
013	000	2	999	9		Harney	025	9	0000		
014	000	2	999	9		Hood River	027	6	0000		
015	176	1				Jackson	029	3	4890		
			002	6		Ashland				03050	
			044	6		Central Point				12400	
			022	4		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	9	0000		
020	088	1				Lane	039	2	2400		
			009	3		Eugene				23850	
			030	4		Springfield				69600	
			999	9		Balance of county				99999	
021	000	2	999	9		Lincoln	041	5	0000		
022	000	2				Linn	043	3	0000		
			001	5		Albany, part				01000	
			020	6		Lebanon				41650	
			999	9		Balance of county				99999	
023	000	2				Malheur	045	5	0000		
			046	6		Ontario				54900	
			999	9		Balance of county				99999	
024	244	1				Marion	047	2	7080		
			016	5		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	1		Portland, part				59000	
			050	6		Troutdale				74850	
			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							
OR	027	244	1	Oregon			OR	053	4	7080								
				Polk														
				045	6	Dallas									17700			
				029	3	Salem, part									64900			
				999	9	Balance of county									99999			
				028	000	2					999	9	Sherman		055	9	0000	
				029	000	2					999	9	Tillamook		057	6	0000	
				030	000	2							Umatilla		059	4	0000	
											014	6	Hermiston					33700
											026	6	Pendleton					57150
			999	9	Balance of county					99999								
031	000	2			Union		061	6	0000									
			018	6	La Grande					40350								
			999	9	Balance of county					99999								
032	000	2	999	9	Wallowa		063	9	0000									
033	000	2			Wasco		065	6	0000									
			006	6	City of The Dalles					13425								
			999	9	Balance of county					99999								
034	220	1			Washington		067	2	6440									
			004	4	Beaverton					05350								
			010	6	Forest Grove					26200								
			015	4	Hillsboro					34100								
			019	5	Lake Oswego, part					40550								
			027	1	Portland, part					59000								
			049	6	Sherwood					67100								
			031	5	Tigard					73650								
			032	6	Tualatin, part					74950								
			052	6	Wilsonville, part					82800								
			999	9	Balance of county					99999								
035	000	2	999	9	Wheeler		069	9	0000									
036	220	1			Yamhill		071	4	6440									
			021	5	McMinnville					45000								
			024	6	Newberg					52100								
			999	9	Balance of county					99999								

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
PA						Pennsylvania	PA				
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		
			154	6		Hampton Township			32328		
			041	6		Harrison Township			32832		
			065	5		McCandless Township			45900		
			066	6		McKeesport			46256		
			076	6		Munhall borough			52320		
			077	5		Municipality of Monroeville borough			52330		
			094	2		Pittsburgh			61000		
			095	5		Plum borough			61536		
			102	5		Ross Township			66264		
			160	6		Scott Township			68388		
			105	5		Shaler Township			69584		
			107	6		South Park Township			72400		
			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		
			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	5		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		
			016	4		Bristol township			08768		
			150	6		Doylestown township			19792		
			035	5		Falls township			25112		
			059	5		Lower Makefield township			44968		
			064	6		Lower Southampton township			45112		
			071	5		Middletown township			49120		
			157	6		Morrisville borough			51144		
			084	6		Newtown township			54192		
			086	5		Northampton township			54688		
			130	6		Upper Southampton township			79296		
			132	5		Warminster township			80952		
			162	6		Warrington township			81048		
			163	6		Warwick township			81144		
			999	9		Balance of county			99999		
010	217	1				Butler	019	3	6280		
			017	6		Butler			10464		
			149	6		Cranberry township			16920		
			999	9		Balance of county			99999		
011	141	1				Cambria	021	3	3680		
			050	6		Johnstown			38288		
			999	9		Balance of county			99999		
012	000	2	999	9		Cameron	023	9	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		Calm township			10824		
			024	6		Coatesville			14712		
			028	6		East Goshen township			21192		
			152	6		Easttown township			21928		
			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		

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
PA				Pennsylvania	PA		
	015			Chester, con.		029	2 6160
		164	6	Westtown township			84104
		165	6	West Whiteland township			84192
		999	9	Balance of county			99999
	016	000	2	Clarion		031	5 0000
	017	000	2	Clearfield		033	4 0000
	018	000	2	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	2 3240
		040	5	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			53104
		083	6	Newtown township			54224
		099	5	Radnor Township			63264
		101	5	Ridley township			64800
		123	6	Upper Chichester township			78776
		124	4	Upper Darby township			79000
		161	6	Upper Providence township			79248
		146	6	Yeadon borough			86968
		999	9	Balance of county			99999
	024	000	2	Elk		047	5 0000
		159	6	St. Marys city			67344
		999	9	Balance of county			99999
	025	087	1	Erie		049	2 2360
		034	3	Erie			24000
		072	4	Millcreek township			49548
		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	Forest		053	9 0000
	028	000	2	Franklin		055	3 0000
		021	6	Chambersburg borough			12536
		999	9	Balance of county			99999
	029	000	2	Fulton		057	6 0000
	030	000	2	Greene		059	5 0000
	031	000	2	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	Jefferson		065	5 0000
	034	000	2	Juniata		067	6 0000
	035	259	1	Lackawanna		069	3 7560
		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
		151	6	East Hempfield township			21232
		153	6	Elizabethtown borough			23016

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
PA						Pennsylvania	PA				
	036					Lancaster, con.		071	2	4000	
		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	
		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	3	0000	
046	214	1				Montgomery		091	1	6160	
		001	4			Abington township				00156	
		022	5			Cheltenham township				12968	
		042	6			Hatfield township				33120	
		047	6			Horsham township				35808	
		054	6			Lansdale borough				41432	
		155	6			Lower Gwynedd township				44920	
		060	4			Lower Merion township				44976	
		061	6			Lower Moreland township				45008	
		156	6			Lower Pottsgrove township				45072	
		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	5			Upper Dublin township				79008	
		126	6			Upper Gwynedd township				79056	
		127	5			Upper Merion township				79136	
		128	6			Upper Moreland township				79176	
		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	2	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 Phila. city		101	0	6160	60000
052	199	1				Pike		103	5	5660	
053	000	2				Potter		105	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
PA				Pennsylvania			PA				
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	9	0000		
058	000	2		Susquehanna			115	5	0000		
059	000	2		Tioga			117	5	0000		
060	000	2		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		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		Wyoming			131	5	7560		
067	308	1		York			133	2	9280		
				039	6	Hanover borough				32448	
				158	6	Penn township				58888	
				109	6	Springetsbury 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
RI				Rhode Island			RI				
001	221	1		Bristol			001	4	6483		
			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	
			021	5	West Warwick town					78440	
			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	5	East Providence					22960	
			008	5	Johnston town					37720	
			018	6	Lincoln town					41500	
			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	
			019	5	North Kingstown town					51580	
			020	5	South Kingstown town					67460	
			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
SC				South Carolina							
001	000	2	999	9		Abbeville	SC	001	5	0000	
002	018	1				Aiken		003	3	0600	
			001	5		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	3	0000	
			039	6		Beaufort				04690	
			016	5		Hilton Head Island				34045	
			999	9		Balance of county				99999	
008	049	1				Berkeley		015	3	1440	
			043	4		Charleston, part				13330	
			011	5		Goose Creek, part				29815	
			015	6		Hanahan				32065	
			028	5		Summerville, part				70270	
			999	9		North Charleston, part				99999	
			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, part				13330	
			045	5		Goose Creek, part				29815	
			019	5		Mount Pleasant				48535	
			023	4		North Charleston, part				50875	
			028	5		Summerville, part				70270	
			999	9		Balance of county				99999	
011	118	1				Cherokee		021	4	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	5		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	4	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	
			040	6		Conway				16405	
			020	6		Myrtle Beach				49075	
			042	6		North Myrtle Beach				51280	
			999	9		Balance of county				99999	
027	000	2	999	9		Jasper		053	6	0000	
028	000	2	999	9		Kershaw		055	4	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	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
SC						South Carolina	SC				
	032					Lexington, con.		063	3	1760	
		044	3			Columbia, part				16000	
		017	6			Irmo, part				35890	
		030	6			West Columbia				75850	
		999	9			Balance of county				99999	
033	000	2	999	9		McCormick		065	9	0000	
034	000	2	999	9		Marion		067	5	0000	
035	000	2	999	9		Marlboro		069	5	0000	
036	000	2				Newberry		071	5	0000	
			021	6		Newberry				49570	
			999	9		Balance of county				99999	
037	000	2	999	9		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	3	3160	
		006	6			Clemson, part				14950	
		008	6			Easley				21985	
		999	9			Balance of county				99999	
040	062	1				Richland		079	2	1760	
		007	3			Columbia, part				16000	
		041	6			Forest Acres				26305	
		017	6			Irmo, part				35890	
		999	9			Balance of county				99999	
041	000	2	999	9		Saluda		081	6	0000	
042	118	1				Spartanburg		083	2	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	999	9		Union		087	5	0000	
045	000	2	999	9		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
SD						South Dakota	SD				
001	000	2	999	9		Aurora	003	9	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	9	0000		
004	000	2	999	9		Bon Homme	009	9	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	9	0000		
008	000	2	999	9		Buffalo	017	9	0000		
009	000	2	999	9		Butte	019	9	0000		
010	000	2	999	9		Campbell	021	9	0000		
011	000	2	999	9		Charles Mix	023	9	0000		
012	000	2	999	9		Clark	025	9	0000		
013	000	2	999	9		Clay	027	6	0000		
014	000	2				Codington	029	5	0000		
			009	6		Watertown				69300	
			999	9		Balance of county				99999	
015	000	2	999	9		Corson	031	9	0000		
016	000	2	999	9		Custer	033	9	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	9	0000		
019	000	2	999	9		Deuel	039	9	0000		
020	000	2	999	9		Dewey	041	9	0000		
021	000	2	999	9		Douglas	043	9	0000		
022	000	2	999	9		Edmunds	045	9	0000		
023	000	2	999	9		Fall River	047	9	0000		
024	000	2	999	9		Faulk	049	9	0000		
025	000	2	999	9		Grant	051	9	0000		
026	000	2	999	9		Gregory	053	9	0000		
027	000	2	999	9		Haakon	055	9	0000		
028	000	2	999	9		Hamlin	057	9	0000		
029	000	2	999	9		Hand	059	9	0000		
030	000	2	999	9		Hanson	061	9	0000		
031	000	2	999	9		Harding	063	9	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	9	0000		
034	000	2	999	9		Hyde	069	9	0000		
035	000	2	999	9		Jackson	071	9	0000		
036	000	2	999	9		Jerauld	073	9	0000		
037	000	2	999	9		Jones	075	9	0000		
038	000	2	999	9		Kingsbury	077	9	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	9	0000		
043	000	2	999	9		McCook	087	9	0000		
044	000	2	999	9		McPherson	089	9	0000		
045	000	2	999	9		Marshall	091	9	0000		
046	000	2	999	9		Meade	093	6	0000		
047	000	2	999	9		Mellette	095	9	0000		
048	000	2	999	9		Miner	097	9	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	9	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	9	0000		
053	000	2	999	9		Potter	107	9	0000		
054	000	2	999	9		Roberts	109	6	0000		
055	000	2	999	9		Sanborn	111	9	0000		
056	000	2	999	9		Shannon	113	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
SD				South Dakota			SD				
057	000	2	999	9		Spink	115	9	0000		
058	000	2	999	9		Stanley	117	9	0000		
059	000	2	999	9		Sully	119	9	0000		
060	000	2	999	9		Todd	121	9	0000		
061	000	2	999	9		Tripp	123	9	0000		
062	000	2	999	9		Turner	125	9	0000		
063	000	2	999	9		Union	127	6	0000		
064	000	2	999	9		Walworth	129	9	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	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TN				Tennessee			TN				
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	999	9		Benton	005	6	0000		
004	000	2	999	9		Bledsoe	007	6	0000		
005	148	1		Blount			009	3	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	999	9		Campbell	013	5	0000		
008	000	2	999	9		Cannon	015	6	0000		
009	000	2	999	9		Carroll	017	5	0000		
010	140	1		Carter			019	4	3660		
			014	6		Elizabethhton				23500	
			023	4		Johnson City, part				38320	
			999	9		Balance of county				99999	
011	192	1	999	9		Cheatham	021	5	5360		
012	000	2	999	9		Chester	023	6	0000		
013	000	2	999	9		Claiborne	025	5	0000		
014	000	2	999	9		Clay	027	9	0000		
015	000	2	999	9		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	999	9		Crockett	033	6	0000		
018	000	2	999	9		Cumberland	035	5	0000		
019	192	1		Davidson			037	1	5360		
			019	6		Goodlettsville, part				29920	
			034	1		Nashville-Davidson				52006	
			999	9		Balance of county				99999	
020	000	2	999	9		Decatur	039	6	0000		
021	000	2	999	9		DeKalb	041	6	0000		
022	192	1		Dickson			043	5	5360		
			049	6		Dickson				20620	
			999	9		Balance of county				99999	
023	000	2		Dyer			045	5	0000		
			012	6		Dyersburg				22200	
			999	9		Balance of county				99999	
024	178	1	999	9		Fayette	047	5	4920		
025	000	2	999	9		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	999	9		Gibson	053	5	0000		
028	000	2	999	9		Giles	055	5	0000		
029	000	2	999	9		Grainger	057	6	0000		
030	000	2		Greene			059	4	0000		
			020	6		Greeneville				30980	
			999	9		Balance of county				99999	
031	000	2	999	9		Grundy	061	6	0000		
032	000	2		Hamblen			063	4	0000		
			032	6		Morristown, part				50280	
			999	9		Balance of county				99999	
033	053	1		Hamilton			065	2	1560		
			006	3		Chattanooga, part				14000	
			013	6		East Ridge				22720	
			036	6		Red Bank				61960	
			055	6		Soddy-Daisy				69560	
			999	9		Balance of county				99999	
034	000	2	999	9		Hancock	067	9	0000		
035	000	2	999	9		Hardeman	069	5	0000		
036	000	2	999	9		Hardin	071	5	0000		
037	140	1		Hawkins			073	4	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	999	9		Henderson	077	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
TN				Tennessee			TN				
040	000	2	999	9		Henry	079	5	0000		
041	000	2	999	9		Hickman	081	6	0000		
042	000	2	999	9		Houston	083	9	0000		
043	000	2	999	9		Humphreys	085	6	0000		
044	000	2	999	9		Jackson	087	6	0000		
045	000	2				Jefferson	089	5	0000		
			056	6		Morristown, part				50280	
			999	9		Balance of county				99999	
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	9	0000		
049	000	2	999	9		Lauderdale	097	5	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	4		Jackson				37640	
			999	9		Balance of county				99999	
058	053	1				Marion	115	5	1560		
			057	3		Chattanooga, part				14000	
			999	9		Balance of county				99999	
059	000	2				Marshall	117	5	0000		
			051	6		Lewisburg				41860	
			999	9		Balance of county				99999	
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	3		Clarksville				15160	
			999	9		Balance of county				99999	
064	000	2	999	9		Moore	127	9	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	9	0000		
069	000	2	999	9		Pickett	137	9	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	5	0000		
073	000	2				Roane	145	4	0000		
			035	5		Oak Ridge, part				55120	
			999	9		Balance of county				99999	
074	192	1				Robertson	147	4	5360		
			039	6		Springfield				70500	
			999	9		Balance of county				99999	
075	192	1				Rutherford	149	3	5360		
			050	6		La Vergne				41200	
			033	4		Murfreesboro				51560	
			038	5		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				Sevier	155	4	3840		
			054	6		Sevierville				67120	
			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
TN				Tennessee	TN		
	079	178	1	Shelby		157	1 4920
			002	5 Bartlett			03440
			009	5 Collierville			16420
			018	5 Germantown			28960
			030	1 Memphis			48000
			031	6 Millington			49060
			999	9 Balance of county			99999
	080	000	2	Smith	159	6 0000	
	081	000	2	Stewart	161	6 0000	
	082	140	1	Sullivan	163	3 3660	
			004	6 Bristol			08540
			023	4 Johnson City, part			38320
			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	4 4920	
	085	000	2	Trousdale	169	9 0000	
	086	140	1	Unicoi	171	6 3660	
	087	148	1	Union	173	6 3840	
	088	000	2	Van Buren	175	9 0000	
	089	000	2	Warren	177	5 0000	
			028	6 McMinnville			45100
			999	9 Balance of county			99999
	090	140	1	Washington	179	3 3660	
			023	4 Johnson City, part			38320
			999	9 Balance of county			99999
	091	000	2	Wayne	181	6 0000	
	092	000	2	Weakley	183	5 0000	
			052	6 Martin			46240
			999	9 Balance of county			99999
	093	000	2	White	185	6 0000	
	094	192	1	Williamson	187	3 5360	
			003	6 Brentwood			08280
			016	5 Franklin			27740
			999	9 Balance of county			99999
	095	192	1	Wilson	189	4 5360	
			027	6 Lebanon			41520
			053	6 Mount Juliet			50780
			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
TX				Texas							
001	000	2		Anderson			TX	001	4	0000	
				116	6	Palestine					54708
				999	9	Balance of county					99999
002	000	2	999	9		Andrews		003	6	0000	
003	000	2	999	9		Angelina		005	4	0000	
			098	5		Lufkin					45072
			999	9		Balance of county					99999
004	000	2	999	9		Aansas		007	6	0000	
005	302	1	999	9		Archer		009	9	9080	
			999	9		Wichita Falls, part					99999
006	000	2	999	9		Armstrong		011	9	0000	
007	000	2	999	9		Atascosa		013	5	0000	
008	000	2	999	9		Austin		015	6	0000	
009	000	2	999	9		Bailey		017	9	0000	
010	000	2	999	9		Bandera		019	6	0000	
011	019	1	999	9		Bastrop		021	4	0640	
012	000	2	999	9		Baylor		023	9	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
			249	5		Copperas Cove, part					16624
			071	6		Harker Heights					32312
			084	4		Killeen					39148
			152	4		Temple					72176
			999	9		Balance of county					99999
015	248	1				Bexar		029	0	7240	
			224	6		Converse					16468
			137	0		San Antonio, part					65000
			141	6		Schertz, part					66128
			158	6		Universal City					74408
			999	9		Balance of county					99999
016	000	2	999	9		Blanco		031	9	0000	
017	000	2	999	9		Borden		033	9	0000	
018	000	2	999	9		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
			223	6		Clute					15652
			058	6		Freeport					27420
			086	5		Lake Jackson					40588
			120	5		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	999	9		Brewster		043	9	0000	
023	000	2	999	9		Briscoe		045	9	0000	
024	000	2	999	9		Brooks		047	9	0000	
025	000	2				Brown		049	5	0000	
			024	6		Brownwood					10780
			999	9		Balance of county					99999
026	000	2	999	9		Burleson		051	6	0000	
027	000	2	999	9		Burnet		053	5	0000	
028	019	1				Caldwell		055	5	0640	
			232	6		Lockhart					43240
			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	999	9		Callahan		059	6	0000	
031	041	1				Cameron		061	2	1240	
			023	3		Brownsville					10768
			072	4		Harlingen					32372
			138	6		San Benito					65036
			999	9		Balance of county					99999
032	000	2	999	9		Camp		063	6	0000	
033	000	2	999	9		Carson		065	9	0000	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
034	000	2	999	9		Cass		067	5	0000	
035	000	2	999	9		Castro		069	9	0000	
036	127	1				Chambers		071	5	3360	
			013	4		Baytown, part					06128
			255	5		Texas City, part					72392
			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	9	0000	
039	000	2	999	9		Clay		077	6	0000	
040	000	2	999	9		Cochran		079	9	0000	
041	000	2	999	9		Coke		081	9	0000	
042	000	2	999	9		Coleman		083	9	0000	
043	067	1				Collin		085	2	1920	
			003	5		Allen					01924
			029	3		Carrollton, part					13024
			039	0		Dallas, part					19000
			227	5		Frisco, part					27684
			063	3		Garland, part					29000
			100	4		McKinney					45744
			124	3		Plano, part					58016
			129	4		Richardson, part					61796
			239	6		Wylie, part					80356
			999	9		Balance of county					99999
044	000	2	999	9		Collingsworth		087	9	0000	
045	000	2	999	9		Colorado		089	6	0000	
046	248	1				Comal		091	4	7240	
			112	5		New Braunfels, part					50820
			254	0		San Antonio, part					65000
			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	9	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	5		Copperas Cove, part					16624
			064	6		Gatesville					29168
			999	9		Balance of county					99999
051	000	2	999	9		Cottle		101	9	0000	
052	000	2	999	9		Crane		103	9	0000	
053	000	2	999	9		Crockett		105	9	0000	
054	000	2	999	9		Crosby		107	9	0000	
055	000	2	999	9		Culberson		109	9	0000	
056	000	2	999	9		Dallam		111	9	0000	
057	067	1				Dallas		113	0	1920	
			220	6		Addison					01240
			011	6		Balch Springs					05372
			029	3		Carrollton, part					13024
			030	5		Cedar Hill, part					13492
			035	5		Coppell, part					16612
			039	0		Dallas, part					19000
			044	5		DeSoto					20092
			047	5		Duncanville					21628
			054	5		Farmers Branch					25452
			063	3		Garland, part					29000
			066	3		Grand Prairie, part					30464
			067	5		Grapevine, part					30644
			079	3		Irving					37000
			089	5		Lancaster					41212
			094	4		Lewisville, part					42508
			104	3		Mesquite, part					47892
			129	4		Richardson, part					61796
			135	5		Rowlett, part					63572
			236	6		Seagoville, part					66428
			159	6		University Park					74492
			247	6		Wylie, part					80356
			999	9		Balance of county					99999
058	000	2	999	9		Dawson		115	6	0000	
059	000	2				Deaf Smith		117	6	0000	
			074	6		Hereford					33320
			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
TX				Texas			TX				
060	000	2	999	9		Delta		119	9	0000	
061	067	1				Denton		121	2	1920	
			029	3		Carrollton, part					13024
			035	5		Coppell, part					16612
			225	6		Corinth					16696
			039	0		Dallas, part					19000
			043	4		Denton					19972
			055	4		Flower Mound, part					26232
			057	1		Fort Worth, part					27000
			241	5		Frisco, part					27684
			067	5		Grapevine, part					30644
			229	6		Highland Village					33848
			094	4		Lewisville, part					42508
			124	3		Plano, part					58016
			245	6		Southlake, part					69032
			156	5		The Colony					72530
			999	9		Balance of county					99999
062	000	2	999	9		DeWitt		123	6	0000	
063	000	2	999	9		Dickens		125	9	0000	
064	000	2	999	9		Dimmit		127	6	0000	
065	000	2	999	9		Donley		129	9	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	9	0000	
070	067	1				Ellis		139	3	1920	
			030	5		Cedar Hill, part					13492
			052	6		Ennis					24348
			066	3		Grand Prairie, part					30464
			101	5		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	5		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	5	0000	
075	000	2	999	9		Fayette		149	6	0000	
076	000	2	999	9		Fisher		151	9	0000	
077	000	2	999	9		Floyd		153	9	0000	
078	000	2	999	9		Foard		155	9	0000	
079	127	1				Fort Bend		157	2	3360	
			075	0		Houston, part					35000
			242	6		Katy, part					38476
			108	4		Missouri City, part					48804
			251	5		Pearland, part					56348
			130	6		Richmond					61892
			133	6		Rosenberg					63284
			238	6		Stafford, part					69908
			148	4		Sugar Land					70808
			999	9		Balance of county					99999
080	000	2	999	9		Franklin		159	9	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	2	2920	
			226	6		Dickinson					20344
			059	5		Friendswood, part					27648
			062	4		Galveston					28068
			087	6		La Marque					41116
			092	5		League City, part					41980
			155	5		Texas City, part					72392
			999	9		Balance of county					99999
085	000	2	999	9		Garza		169	9	0000	
086	000	2	999	9		Gillespie		171	6	0000	
087	000	2	999	9		Glasscock		173	9	0000	
088	000	2	999	9		Goliad		175	9	0000	
089	000	2	999	9		Gonzales		177	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
TX				Texas			TX				
090	000	2		Gray			179	6	0000		
				117	6	Pampa				54912	
				999	9	Balance of county				99999	
091	263	1		Grayson			181	3	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		Grimes			185	6	0000		
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	9	0000		
097	000	2		Hamilton			193	9	0000		
098	000	2		Hansford			195	9	0000		
099	000	2		Hardeman			197	9	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	5	Friendswood, part				27648	
				061	6	Galena Park				27996	
				075	0	Houston, part				35000	
				076	6	Humble				35348	
				230	6	Jacinto City				37156	
				231	6	Katy, part				38476	
				090	5	La Porte				41440	
				092	5	League City, part				41980	
				108	4	Missouri City, part				48804	
				119	3	Pasadena				56000	
				120	5	Pearland, part				56348	
				146	6	South Houston				69020	
				246	6	Stafford, part				69908	
				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	9	0000		
104	000	2		Haskell			207	9	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	9	0000		
107	067	1		Henderson			213	4	1920		
				009	6	Athens				04504	
				999	9	Balance of county				99999	
108	175	1		Hidalgo			215	1	4880		
				221	6	Alamo				01576	
				045	6	Donna				20884	
				049	5	Edinburg				22660	
				099	3	McAllen				45384	
				103	6	Mercedes				47700	
				107	5	Mission				48768	
				122	5	Pharr				57200	
				139	5	San Juan				65516	
				168	5	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	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
112				Hopkins, con.			223	5	0000		
				Balance of county						99999	
113	000	2	999	9		Houston	225	6	0000		
114	000	2				Howard	227	5	0000		
			020	5		Big Spring				08236	
			999	9		Balance of county				99999	
115	000	2	999	9		Hudspeth	229	9	0000		
116	067	1				Hunt	231	4	1920		
			068	6		Greenville				30920	
			999	9		Balance of county				99999	
117	000	2				Hutchinson	233	6	0000		
			021	6		Borger				09556	
			999	9		Balance of county				99999	
118	000	2	999	9		Irion	235	9	0000		
119	000	2	999	9		Jack	237	9	0000		
120	000	2	999	9		Jackson	239	6	0000		
121	000	2	999	9		Jasper	241	5	0000		
122	000	2	999	9		Jeff Davis	243	9	0000		
123	025	1				Jefferson	245	2	0840		
			014	3		Beaumont				07000	
			069	6		Groves				31328	
			111	6		Nederland				50580	
			125	4		Port Arthur, part				58820	
			128	6		Port Neches				58940	
			999	9		Balance of county				99999	
124	000	2	999	9		Jim Hogg	247	9	0000		
125	000	2				Jim Wells	249	5	0000		
			002	6		Alice				01852	
			999	9		Balance of county				99999	
126	103	1				Johnson	251	3	2800		
			027	6		Burleson, part				11428	
			031	5		Cleburne				15364	
			101	5		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	
			250	3		Mesquite, part				47892	
			244	6		Seagoville, part				66428	
			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	9	0000		
132	000	2	999	9		Kent	263	9	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	9	0000		
135	000	2	999	9		King	269	9	0000		
136	000	2	999	9		Kinney	271	9	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	9	0000		
139	000	2				Lamar	277	5	0000		
			118	5		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	5		Copperas Cove, part				16624	
			999	9		Balance of county				99999	
142	000	2	999	9		La Salle	283	9	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	9	0000		
149	000	2	999	9		Live Oak	297	6	0000		
150	000	2	999	9		Llano	299	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
TX							TX				
151	000	2	999	9		Loving	301	9	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	9	0000		
154	000	2	999	9		McCulloch	307	9	0000		
155	295	1				McLennan	309	3	8800		
			228	6		Hewitt				33428	
			164	3		Waco				76000	
			999	9		Balance of county				99999	
156	000	2	999	9		McMullen	311	9	0000		
157	000	2	999	9		Madison	313	6	0000		
158	000	2	999	9		Marion	315	6	0000		
159	000	2				Martin	317	9	0000		
			105	4		Midland, part				48072	
			999	9		Balance of county				99999	
160	000	2	999	9		Mason	319	9	0000		
161	000	2				Matagorda	321	5	0000		
			012	6		Bay City				05984	
			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	999	9		Medina	325	5	0000		
164	000	2	999	9		Menard	327	9	0000		
165	203	1				Midland	329	3	5800		
			105	4		Midland, part				48072	
			114	4		Odessa, part				53388	
			999	9		Balance of county				99999	
166	000	2	999	9		Milam	331	6	0000		
167	000	2	999	9		Mills	333	9	0000		
168	000	2	999	9		Mitchell	335	9	0000		
169	000	2	999	9		Montague	337	6	0000		
170	127	1				Montgomery	339	2	3360		
			034	5		Conroe				16432	
			075	0		Houston, part				35000	
			999	9		Balance of county				99999	
171	000	2				Moore	341	6	0000		
			046	6		Dumas				21556	
			999	9		Balance of county				99999	
172	000	2	999	9		Morris	343	6	0000		
173	000	2	999	9		Motley	345	9	0000		
174	000	2				Nacogdoches	347	4	0000		
			110	5		Nacogdoches				50256	
			999	9		Balance of county				99999	
175	000	2				Navarro	349	5	0000		
			038	6		Corsicana				17060	
			999	9		Balance of county				99999	
176	000	2	999	9		Newton	351	6	0000		
177	000	2				Nolan	353	6	0000		
			150	6		Sweetwater				71540	
			999	9		Balance of county				99999	
178	065	1				Nueces	355	2	1880		
			037	2		Corpus Christi, part				17000	
			126	6		Portland, part				58904	
			131	6		Robstown				62600	
			999	9		Balance of county				99999	
179	000	2	999	9		Ochiltree	357	9	0000		
180	000	2	999	9		Oldham	359	9	0000		
181	025	1				Orange	361	4	0840		
			115	6		Orange				54132	
			253	4		Port Arthur, part				58820	
			163	6		Vidor				75476	
			999	9		Balance of county				99999	
182	000	2				Palo Pinto	363	5	0000		
			106	6		Mineral Wells, part				48684	
			999	9		Balance of county				99999	
183	000	2	999	9		Panola	365	6	0000		
184	103	1				Parker	367	4	2800		
			106	6		Mineral Wells, part				48684	
			167	6		Weatherford				76864	
			999	9		Balance of county				99999	
185	000	2	999	9		Parmer	369	6	0000		
186	000	2	999	9		Pecos	371	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX							TX				
187	000	2	999	9		Polk	373	5	0000		
188	009	1				Potter	375	3	0320		
			005	3		Amarillo, part				03000	
			999	9		Balance of county				99999	
189	000	2	999	9		Presidio	377	9	0000		
190	000	2	999	9		Rains	379	9	0000		
191	009	1				Randall	381	3	0320		
			005	3		Amarillo, part				03000	
			028	6		Canyon				12532	
			999	9		Balance of county				99999	
192	000	2	999	9		Reagan	383	9	0000		
193	000	2	999	9		Real	385	9	0000		
194	000	2	999	9		Red River	387	6	0000		
195	000	2	999	9		Reeves	389	6	0000		
196	000	2	999	9		Refugio	391	9	0000		
197	000	2	999	9		Roberts	393	9	0000		
198	000	2	999	9		Robertson	395	6	0000		
199	067	1				Rockwall	397	5	1920		
			039	0		Dallas, part				19000	
			063	3		Garland, part				29000	
			132	6		Rockwall				62828	
			135	5		Rowlett, part				63572	
			248	6		Wylie, part				80356	
			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	9	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	9	0000		
207	000	2	999	9		Schleicher	413	9	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	9	0000		
210	000	2	999	9		Shelby	419	5	0000		
211	000	2	999	9		Sherman	421	9	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	9	0000		
214	000	2				Starr	427	4	0000		
			234	6		Rio Grande City				62168	
			999	9		Balance of county				99999	
215	000	2	999	9		Stephens	429	9	0000		
216	000	2	999	9		Sterling	431	9	0000		
217	000	2	999	9		Stonewall	433	9	0000		
218	000	2	999	9		Sutton	435	9	0000		
219	000	2	999	9		Swisher	437	9	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		Euless				24768	
			055	4		Flower Mound, part				26232	
			056	6		Forest Hill				26544	
			057	1		Fort Worth, part				27000	
			066	3		Grand Prairie, part				30464	
			067	5		Grapevine, part				30644	
			070	5		Haltom City				31928	
			078	5		Hurst				35576	
			081	5		Keller				38632	
			101	5		Mansfield, part				46452	
			113	4		North Richland Hills				52356	
			235	6		Saginaw				64112	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
	220			Tarrant, con.				439	0	2800	
		237	6	Southlake, part						69032	
		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		Terrell				443	9	0000	
223	000	2		Terry				445	6	0000	
224	000	2		Throckmorton				447	9	0000	
225	000	2		Titus				449	5	0000	
		109	6	Mount Pleasant						49800	
		999	9	Balance of county						99999	
226	247	1		Tom Green				451	3	7200	
		136	4	San Angelo						64472	
		999	9	Balance of county						99999	
227	019	1		Travis				453	1	0640	
		010	1	Austin, part						05000	
		240	5	Cedar Park, part						13552	
		233	6	Pflugerville, part						57176	
		134	4	Round Rock, part						63500	
		999	9	Balance of county						99999	
228	000	2		Trinity				455	6	0000	
229	000	2		Tyler				457	6	0000	
230	167	1		Upshur				459	5	4420	
231	000	2		Upton				461	9	0000	
232	000	2		Uvalde				463	5	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		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		Waller				473	5	3360	
		243	6	Katy, part						38476	
		999	9	Balance of county						99999	
238	000	2		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		Wheeler				483	9	0000	
243	302	1		Wichita				485	3	9080	
		026	6	Burkburnett						11368	
		171	3	Wichita Falls						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		Willacy				489	6	0000	
246	019	1		Williamson				491	3	0640	
		010	1	Austin, part						05000	
		222	5	Cedar Park, part						13552	
		065	5	Georgetown						29336	
		252	6	Pflugerville, part						57176	
		134	4	Round Rock, part						63500	
		151	6	Taylor						71948	
		999	9	Balance of county						99999	
247	248	1		Wilson				493	5	7240	
248	000	2		Winkler				495	9	0000	
249	000	2		Wise				497	5	0000	
250	000	2		Wood				499	5	0000	

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

FIPS Codes  
St Cnty P/S P/MSA Place

Texas					
TX	St	Cnty	P/S	P/MSA	Place
251	000	2	999	9	Yoakum
252	000	2	999	9	Young
253	000	2	999	9	Zapata
254	000	2	999	9	Zavala

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
UT				Utah			UT				
001	000	2	999	9		Beaver		001	9	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	9	0000	
006	246	1				Davis		011	3	7160	
			002	5		Bountiful					07690
			005	6		Centerville					11980
			006	5		Clearfield					13850
			030	6		Clinton					14290
			032	6		Farmington					24740
			007	6		Kaysville					40360
			008	4		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	9	0000	
010	000	2	999	9		Grand		019	9	0000	
011	000	2				Iron		021	5	0000	
			004	6		Cedar City					11320
			999	9		Balance of county					99999
012	000	2	999	9		Juab		023	9	0000	
013	000	2	999	9		Kane		025	9	0000	
014	000	2	999	9		Millard		027	6	0000	
015	000	2	999	9		Morgan		029	9	0000	
016	000	2	999	9		Piute		031	9	0000	
017	000	2	999	9		Rich		033	9	0000	
018	246	1				Salt Lake		035	1	7160	
			031	5		Draper, part					20120
			033	6		Holladay					36070
			010	5		Midvale					49710
			011	5		Murray					53230
			017	5		Riverton					64340
			020	3		Salt Lake City					67000
			021	4		Sandy					67440
			022	5		South Jordan					70850
			024	6		South Salt Lake					71070
			036	4		Taylorsville					75360
			028	4		West Jordan					82950
			029	3		West Valley City					83470
			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	5	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	5	0000	
025	222	1				Utah		049	2	6520	
			001	6		American Fork					01310
			037	5		Draper, part					20120
			034	6		Lehi					44320
			014	4		Orem					57300
			035	6		Payson					58730
			015	6		Pleasant Grove					60930
			016	3		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	4	0000	
			019	5		St. George					65330
			999	9		Balance of county					99999
028	000	2	999	9		Wayne		055	9	0000	
029	246	1				Weber		057	3	7160	
			012	6		North Ogden					55100
			013	4		Ogden					55980
			018	5		Roy					65110
			023	6		South Ogden					70960

Vital Statistics Geographic Code Outline For The United States      Page 117  
Effective With 2003 Data.

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
UT				Utah			UT				
029				Weber, con.			057	3	7160		
	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	
VT							VT					
Vermont												
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	9	0000			
006	044	1	999	9		Franklin	011	5	1303			
007	044	1	999	9		Grand Isle	013	9	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	5	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
VA				Virginia			VA				
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	9	0000		
011	171	1	999	9		Bedford	019	4	4640		
012	171	1	999	9		Bedford city	515	9	4640	99999	
013	000	2	999	9		Bland	021	9	0000		
014	234	1	999	9		Botetourt	023	5	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	9	0000	99999	
020	171	1	999	9		Campbell	031	4	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	9	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	2	6760		
028	296	1	999	9		Clarke	043	6	8840		
030	232	1	008	6		Colonial Heights city	570	6	6760	18448	
031	000	2	999	9		Covington city	580	9	0000	99999	
032	000	2	999	9		Craig	045	9	0000		
033	296	1	999	9		Culpeper	047	5	8840		
034	000	2	999	9		Cumberland	049	9	0000		
035	068	1	009	5		Danville city	590	5	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	9	0000	99999	
039	000	2	999	9		Essex	057	9	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	037	6		Falls Church city	610	6	8840	27200	
042	296	1	037	6		Falls Church city	610	6	8840	27200	
043	296	1	999	9		Fauquier	061	4	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	9	0000	99999	
048	000	2	999	9		Frederick	069	4	0000		
049	296	1	011	6		Fredericksburg city	630	6	8840	29744	
050	000	2	999	9		Galax city	640	9	0000	99999	
051	000	2	999	9		Giles	071	6	0000		
052	200	1	999	9		Gloucester	073	5	5720		
053	232	1	999	9		Goochland	075	6	6760		
054	000	2	999	9		Grayson	077	6	0000		
055	052	1	999	9		Greene	079	6	1540		
056	000	2	999	9		Greenville	081	6	0000		
057	000	2	999	9		Halifax	083	5	0000		
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	2	6760		
062	000	2	999	9		Henry	089	4	0000		
063	000	2	999	9		Highland	091	9	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	9	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
VA							VA				
071	000	2	999	9		Lee	105	6	0000		
072	000	2	999	9		Lexington city	678	9	0000	99999	
073	296	1				Loudoun	107	3	8840		
			017	5		Leesburg				44984	
			999	9		Balance of county				99999	
074	000	2	999	9		Louisa	109	5	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	038	6		Manassas Park city	685	6	8840	48968	
079	296	1	038	6		Manassas Park city	685	6	8840	48968	
080	000	2	020	6		Martinsville city	690	6	0000	49784	
081	200	1	999	9		Mathews	115	9	5720		
082	000	2	999	9		Mecklenburg	117	5	0000		
083	000	2	999	9		Middlesex	119	9	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	3		Norfolk city	710	3	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	9	0000	99999	
092	000	2	999	9		Nottoway	135	6	0000		
093	000	2	999	9		Orange	137	5	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	2	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	9	0000		
107	000	2	999	9		Richmond	159	9	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	9	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	4	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	4	5720		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WA						Washington	WA				
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	4		Kennewick				35275	
			033	5		Richland				58235	
			999	9		Balance of county				99999	
004	000	2				Chelan	007	4	0000		
			041	5		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	2	6440		
			047	6		Camas				09480	
			039	3		Vancouver				74060	
			999	9		Balance of county				99999	
007	000	2	999	9		Columbia	013	9	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	9	0000		
011	231	1				Franklin	021	5	6740		
			027	5		Pasco				53545	
			999	9		Balance of county				99999	
012	000	2	999	9		Garfield	023	9	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	5	0000		
017	260	1				King	033	0	7600		
			003	5		Auburn, part				03180	
			004	3		Bellevue				05210	
			006	5		Bothell, part				07380	
			046	5		Burien				08850	
			048	6		Covington				15290	
			009	5		Des Moines				17635	
			049	6		Enumclaw, part				22045	
			050	4		Federal Way				23515	
			051	6		Issaquah				33805	
			052	6		Kenmore				35170	
			015	4		Kent				35415	
			016	5		Kirkland				35940	
			053	6		Lake Forest Park				37270	
			055	6		Maple Valley				43150	
			021	6		Mercer Island				45005	
			031	5		Redmond				57535	
			032	4		Renton				57745	
			059	5		Sammamish				61115	
			060	5		Sea-Tac				62288	
			034	1		Seattle				63000	
			061	4		Shoreline				63960	
			038	6		Tukwila				72625	
			999	9		Balance of county				99999	
018	040	1				Kitsap	035	3	1150		
			045	6		Bainbridge Island				03736	
			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		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WA						Washington	WA				
	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	
				065	5	Auburn, part					03180
				064	6	Enumclaw, part					22045
				054	4	Lakewood					38038
				030	5	Puyallup					56695
				037	3	Tacoma					70000
				063	5	University Place					
						73465					
				999	9	Balance of county					99999
	028	000	2	999	9	San Juan		055	6	0000	
	029	000	2			Skagit		057	3	0000	
				002	6	Anacortes					01990
				024	5	Mount Vernon					47560
				999	9	Balance of county					99999
	030	000	2	999	9	Skamania		059	9	0000	
	031	260	1			Snohomish		061	1	7600	
				044	6	Arlington					02585
				006	5	Bothell, part					07380
				010	5	Edmonds					20750
				012	4	Everett					22640
				019	5	Lynnwood					40840
				020	5	Marysville					43955
				056	6	Mill Creek					45865
				057	6	Monroe					46685
				023	6	Mountlake Terrace					47490
				058	6	Mukilteo					47735
				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	999	9	Stevens		065	5	0000	
	034	205	1			Thurston		067	3	5910	
				017	5	Lacey					36745
				026	5	Olympia					51300
				062	6	Tumwater					72905
				999	9	Balance of county					99999
	035	000	2	999	9	Wahkiakum		069	9	0000	
	036	000	2			Walla Walla		071	4	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
WV				West Virginia							
001	000	2	999	9		Barbour	WV	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	9	0000	
008	000	2	999	9		Clay		015	6	0000	
009	000	2	999	9		Doddridge		017	9	0000	
010	000	2	999	9		Fayette		019	5	0000	
011	000	2	999	9		Gilmer		021	9	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	
			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	5	9000	
			015	5		Wheeling, part				86452	
			999	9		Balance of county				99999	
036	000	2	999	9		Pendleton		071	9	0000	
037	000	2	999	9		Pleasants		073	9	0000	
038	000	2	999	9		Pocahontas		075	9	0000	
039	000	2	999	9		Preston		077	5	0000	
040	050	1	999	9		Putnam		079	4	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	9	0000	
048	000	2	999	9		Tyler		095	9	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WV				West Virginia			WV				
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	9	0000	
052	000	2	999	9		Wetzel		103	6	0000	
053	000	2	999	9		Wirt		105	9	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
<b>WI</b>											
						<b>Wisconsin</b>					
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				01150	
			003	6		Ashwaubenon village				03425	
			011	6		De Pere				19775	
			019	3		Green Bay				31000	
			076	6		Howard village, part				35950	
			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	4	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	
			083	6		Stoughton				77675	
			051	6		Sun Prairie				78600	
			999	9		Balance of county				99999	
014	000	2				Dodge	027	4	0000		
			004	6		Beaver Dam				05900	
			086	6		Hartford, part				33000	
			054	6		Watertown, part				83975	
			084	6		Waupun, part				84425	
			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				78650	
			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	9	0000		
020	000	2				Fond du Lac	039	4	0000		
			014	5		Fond du Lac				26275	
			087	6		Waupun, part				84425	
			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	9	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	3	3870		
			025	4		La Crosse				40775	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WI						Wisconsin	WI				
	032					La Crosse, con.		063	3	3870	
		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			Lincoln		069	5	0000	
		079	6			Merrill				51250	
		999	9			Balance of county				99999	
	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	
		085	6			Weston				86025	
		999	9			Balance of county				99999	
	038	000	2			Marinette		075	5	0000	
		028	6			Marinette				49300	
		999	9			Balance of county				99999	
	039	000	2	999	9	Marquette		077	6	0000	
	040	000	2	999	9	Menominee		078	9	0000	
	041	182	1			Milwaukee		079	1	5080	
		007	6			Brown Deer village				10375	
		010	6			Cudahy				17975	
		016	5			Franklin				27300	
		018	6			Glendale				29400	
		020	6			Greendale village				31125	
		021	5			Greenfield				31175	
		035	1			Milwaukee, part				53000	
		040	5			Oak Creek				58800	
		048	6			Shorewood village				73725	
		049	6			South Milwaukee				75125	
		057	5			Wauwatosa				84675	
		058	4			West Allis				85300	
		060	6			Whitefish Bay village				86700	
		999	9			Balance of county				99999	
	042	000	2	999	9	Monroe		081	5	0000	
	043	000	2	999	9	Oconto		083	5	0000	
	044	000	2	999	9	Oneida		085	5	0000	
	045	013	1			Outagamie		087	3	0460	
		002	4			Appleton, part				02375	
		088	6			Howard village, part				35950	
		023	6			Kaukauna				38800	
		077	6			Little Chute village				44950	
		999	9			Balance of county				99999	
	046	182	1			Ozaukee		089	4	5080	
		008	6			Cedarburg				13375	
		074	6			Grafton village				30000	
		033	6			Mequon				51150	
		082	6			Port Washington				64450	
		999	9			Balance of county				99999	
	047	000	2	999	9	Pepin		091	9	0000	
	048	183	1			Pierce		093	5	5120	
		046	6			River Falls, part				68275	
		999	9			Balance of county				99999	
	049	000	2	999	9	Polk		095	5	0000	
	050	000	2			Portage		097	4	0000	
		081	6			Plover village				63525	
		050	6			Stevens Point				77200	
		999	9			Balance of county				99999	
	051	000	2	999	9	Price		099	6	0000	
	052	225	1			Racine		101	3	6600	
		045	4			Racine				66000	
		999	9			Balance of county				99999	
	053	000	2	999	9	Richland		103	6	0000	
	054	138	1			Rock		105	3	3620	
		005	5			Beloit				06500	
		022	4			Janesville				37825	
		999	9			Balance of county				99999	
	055	000	2	999	9	Rusk		107	6	0000	
	056	183	1			St. Croix		109	4	5120	
		046	6			River Falls, part				68275	
		999	9			Balance of county				99999	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WI						Wisconsin	WI				
	057	000	2			Sauk		111	4	0000	
				073	6	Baraboo				04625	
				999	9	Balance of county				99999	
	058	000	2	999	9	Sawyer		113	6	0000	
	059	000	2	999	9	Shawano		115	5	0000	
	060	262	1			Sheboygan		117	3	7620	
				047	4	Sheboygan				72975	
				999	9	Balance of county				99999	
	061	000	2	999	9	Taylor		119	6	0000	
	062	000	2	999	9	Trempealeau		121	5	0000	
	063	000	2	999	9	Vernon		123	5	0000	
	064	000	2	999	9	Villas		125	6	0000	
	065	000	2			Walworth		127	4	0000	
				061	6	Whitewater, part				86925	
				999	9	Balance of county				99999	
	066	000	2	999	9	Washburn		129	6	0000	
	067	182	1			Washington		131	3	5080	
				017	6	Germantown village				28875	
				075	6	Hartford, part				33000	
				035	1	Milwaukee, part				53000	
				059	5	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	
				080	6	Pewaukee				62240	
				055	4	Waukesha				84250	
				999	9	Balance of county				99999	
	069	000	2	999	9	Waupaca		135	4	0000	
	070	000	2	999	9	Waushara		137	6	0000	
	071	013	1			Winnebago		139	3	0460	
				002	4	Appleton, part				02375	
				030	6	Menasha, part				50825	
				078	6	Menasha town				50850	
				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
WY				Wyoming			WY				
001	000	2		Albany			001	5	0000		
			006	5	Laramie					45050	
			999	9	Balance of county					99999	
002	000	2	999	9	Big Horn		003	6	0000		
003	000	2		Campbell			005	5	0000		
			004	6	Gillette					31855	
			999	9	Balance of county					99999	
004	000	2	999	9	Carbon		007	6	0000		
005	000	2	999	9	Converse		009	6	0000		
006	000	2	999	9	Crook		011	9	0000		
007	000	2	999	9	Fremont		013	5	0000		
008	000	2	999	9	Goshen		015	6	0000		
009	000	2	999	9	Hot Springs		017	9	0000		
010	000	2	999	9	Johnson		019	9	0000		
011	054	1		Laramie			021	4	1580		
			002	4	Cheyenne					13900	
			999	9	Balance of county					99999	
012	000	2	999	9	Lincoln		023	6	0000		
013	046	1		Natrona			025	4	1350		
			001	5	Casper					13150	
			999	9	Balance of county					99999	
014	000	2	999	9	Niobrara		027	9	0000		
015	000	2	999	9	Park		029	5	0000		
016	000	2	999	9	Platte		031	9	0000		
017	000	2		Sheridan			033	5	0000		
			008	6	Sheridan					69845	
			999	9	Balance of county					99999	
018	000	2	999	9	Sublette		035	9	0000		
019	000	2		Sweetwater			037	5	0000		
			005	6	Green River					33740	
			007	6	Rock Springs					67235	
			999	9	Balance of county					99999	
020	000	2	999	9	Teton		039	6	0000		
021	000	2		Uinta			041	6	0000		
			003	6	Evanston					25620	
			999	9	Balance of county					99999	
022	000	2	999	9	Washakie		043	9	0000		
023	000	2	999	9	Weston		045	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
PR	ZZZ	ZZZ	Z	ZZZ	Z	Puerto Rico	PR	000	Z	0000	
VI	ZZZ	ZZZ	Z	ZZZ	Z	Virgin Islands	VI	000	Z	0000	
GU	ZZZ	ZZZ	Z	ZZZ	Z	Guam	GU	000	Z	0000	
CC	ZZZ	ZZZ	Z	ZZZ	Z	Canada	CC	000	Z	0000	
AB	ZZZ	ZZZ	Z	ZZZ	Z	Alberta (Canada)	AB	000	Z	0000	
BC	ZZZ	ZZZ	Z	ZZZ	Z	British Columbia (Canada)	BC	000	Z	0000	
MB	ZZZ	ZZZ	Z	ZZZ	Z	Manitoba (Canada)	MB	000	Z	0000	
NB	ZZZ	ZZZ	Z	ZZZ	Z	New Brunswick (Canada)	NB	000	Z	0000	
NF	ZZZ	ZZZ	Z	ZZZ	Z	New Foundland (Canada)	NF	000	Z	0000	
NT	ZZZ	ZZZ	Z	ZZZ	Z	Northwest Territories (Canada)	NT	000	Z	0000	
NS	ZZZ	ZZZ	Z	ZZZ	Z	Nova Scotia (Canada)	NS	000	Z	0000	
NU	ZZZ	ZZZ	Z	ZZZ	Z	Nunavut (Canada)	NU	000	Z	0000	
ON	ZZZ	ZZZ	Z	ZZZ	Z	Ontario (Canada)	ON	000	Z	0000	
PE	ZZZ	ZZZ	Z	ZZZ	Z	Prince Edward Island (Canada)	PE	000	Z	0000	
QC	ZZZ	ZZZ	Z	ZZZ	Z	Quebec (Canada)	QC	000	Z	0000	
SK	ZZZ	ZZZ	Z	ZZZ	Z	Saskatchewan (Canada)	SK	000	Z	0000	
YT	ZZZ	ZZZ	Z	ZZZ	Z	Yukon Territory (Canada)	YT	000	Z	0000	
CU	ZZZ	ZZZ	Z	ZZZ	Z	Cuba	CU	000	Z	0000	
MX	ZZZ	ZZZ	Z	ZZZ	Z	Mexico	MX	000	Z	0000	
YY	ZZZ	ZZZ	Z	ZZZ	Z	Remainder of World	YY	000	Z	0000	
AS	ZZZ	ZZZ	Z	ZZZ	Z	American Samoa	AS	000	Z	0000	
MP	ZZZ	ZZZ	Z	ZZZ	Z	Northern Marianas	MP	000	Z	0000	

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

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
001	TX		Abilene, TX, MSA Texas 221 Taylor	0040	TX	441
002	OH		Akron, OH, PMSA Ohio 067 Portage 077 Summit	0080	OH	133 153
003	GA		Albany, GA, MSA Georgia 047 Dougherty 088 Lee	0120	GA	095 177
004	NY		Albany-Schenectady-Troy, NY, MSA New York 001 Albany 027 Montgomery 039 Rensselaer 042 Saratoga 043 Schenectady 044 Schoharie	0160	NY	001 057 083 091 093 095
005	NM		Albuquerque, NM, MSA New Mexico 001 Bernalillo 024 Sandoval 033 Valencia	0200	NM	001 043 061
006	LA		Alexandria, LA, MSA Louisiana 040 Rapides	0220	LA	079
007	PA		Allentown-Bethlehem-Easton, PA, MSA Pennsylvania 013 Carbon 039 Lehigh 048 Northampton	0240	PA	025 077 095
008	PA		Altoona, PA, MSA Pennsylvania 007 Blair	0280	PA	013
009	TX		Amarillo, TX, MSA Texas 188 Potter 191 Randall	0320	TX	375 381
010	AK		Anchorage, AK, MSA Alaska 003 Anchorage	0380	AK	020
011	MI		Ann Arbor, MI, PMSA Michigan 046 Lenawee 047 Livingston 081 Washtenaw	0440	MI	091 093 161

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

012	AL	Anniston, AL, MSA	0450	AL
		Alabama		
	008	Calhoun		015
013	WI	Appleton-Oshkosh-Neenah, WI, MSA	0460	WI
		Wisconsin		
	008	Calumet		015
	045	Outagamie		087
	071	Winnebago		139
014	NC	Asheville, NC, MSA	0480	NC
		North Carolina		
	011	Buncombe		021
	058	Madison		115
015	GA	Athens, GA, MSA	0500	GA
		Georgia		
	029	Clarke		059
	097	Madison		195
	108	Oconee		219
016	GA	Atlanta, GA, MSA	0520	GA
		Georgia		
	007	Barrow		013
	008	Bartow		015
	022	Carroll		045
	028	Cherokee		057
	031	Clayton		063
	033	Cobb		067
	038	Coweta		077
	044	De Kalb		089
	048	Douglas		097
	056	Fayette		113
	058	Forsyth		117
	060	Fulton		121
	067	Gwinnett		135
	075	Henry		151
	107	Newton		217
	110	Paulding		223
	112	Pickens		227
	122	Rockdale		247
	126	Spalding		255
	147	Walton		297
017	NJ	Atlantic-Cape May, NJ, PMSA	0560	NJ
		New Jersey		
	001	Atlantic		001
	005	Cape May		009
018	GA	Augusta-Aiken, GA-SC, MSA	0600	GA
		Georgia		
	036	Columbia		073
	094	McDuffie		189
	121	Richmond		245
	SC	South Carolina		SC
	002	Aiken		003
	019	Edgefield		037
019	TX	Austin-San Marcos, TX, MSA	0640	TX
		Texas		
	011	Bastrop		021
	028	Caldwell		055
	105	Hays		209
	227	Travis		453
	246	Williamson		491

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

020	CA	Bakersfield, CA, MSA California Kern	0680	CA	029
021	MD	Baltimore, MD, PMSA Maryland 002 Anne Arundel 003 Baltimore 004 Baltimore city 007 Carroll 013 Harford 014 Howard 018 Queen Anne's	0720	MD	003 005 510 013 025 027 035
022	ME	Bangor, ME, NECMA Maine Penobscot	0733	ME	019
023	MA	Barnstable-Yarmouth, MA, NECMA Massachusetts 001 Barnstable	0743	MA	001
024	LA	Baton Rouge, LA, MSA Louisiana 003 Ascension 017 East Baton Rouge 032 Livingston 061 West Baton Rouge	0760	LA	005 033 063 121
025	TX	Beaumont-Port Arthur, TX, MSA Texas 100 Hardin 123 Jefferson 181 Orange	0840	TX	199 245 361
026	WA	Bellingham, WA, MSA Washington 037 Whatcom	0860	WA	073
027	MI	Benton Harbor, MI, MSA Michigan 011 Berrien	0870	MI	021
028	NJ	Bergen-Passaic, NJ, PMSA New Jersey 002 Bergen 016 Passaic	0875	NJ	003 031
029	MT	Billings, MT, MSA Montana 056 Yellowstone	0880	MT	111
030	MS	Biloxi-Gulfport-Pascagoula, MS, MSA Mississippi 023 Hancock 024 Harrison 030 Jackson	0920	MS	045 047 059
031	NY	Binghamton, NY, MSA New York 003 Broome 050 Tioga	0960	NY	007 107

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

032		Birmingham, AL, MSA	1000	
	AL	Alabama		AL
	005	Blount	009	
	037	Jefferson	073	
	058	St. Clair	115	
	059	Shelby	117	
033		Bismarck, ND, MSA	1010	
	ND	North Dakota		ND
	008	Burleigh	015	
	030	Morton	059	
034		Bloomington, IN, MSA	1020	
	IN	Indiana		IN
	053	Monroe	105	
035		Bloomington-Normal, IL, MSA	1040	
	IL	Illinois		IL
	057	McLean	113	
036		Boise City, ID, MSA	1080	
	ID	Idaho		ID
	001	Ada	001	
	014	Canyon	027	
037		Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH	1123	
	MA	Massachusetts		MA
	003	Bristol	005	
	005	Essex	009	
	009	Middlesex	017	
	011	Norfolk	021	
	012	Plymouth	023	
	013	Suffolk	025	
	014	Worcester	027	
	NH	New Hampshire		NH
	006	Hillsborough	011	
	008	Rockingham	015	
	009	Strafford	017	
038		Boulder-Longmont, CO, PMSA	1125	
	CO	Colorado		CO
	007	Boulder	013	
039		Brazoria, TX, PMSA	1145	
	TX	Texas		TX
	020	Brazoria	039	
040		Bremerton, WA, PMSA	1150	
	WA	Washington		WA
	018	Kitsap	035	
041		Brownsville-Harlingen-San Benito, TX, MSA	1240	
	TX	Texas		TX
	031	Cameron	061	
042		Bryan-College Station, TX, MSA	1260	
	TX	Texas		TX
	021	Brazos	041	
043		Buffalo-Niagara Falls, NY, MSA	1280	
	NY	New York		NY
	014	Erie	029	
	030	Niagara	063	

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

044		Burlington, VT, NECMA	1303	
	VT	Vermont		VT
	004	Chittenden		007
	006	Franklin		011
	007	Grand Isle		013
045	OH	Canton-Massillon, OH, MSA	1320	OH
		Ohio		
	010	Carroll		019
	076	Stark		151
046	WY	Casper, WY, MSA	1350	WY
		Wyoming		
	013	Natrona		025
047	IA	Cedar Rapids, IA, MSA	1360	IA
		Iowa		
	057	Linn		113
048	IL	Champaign-Urbana, IL, MSA	1400	IL
		Illinois		
	010	Champaign		019
049	SC	Charleston-North Charleston, SC, MSA	1440	SC
		South Carolina		
	008	Berkeley		015
	010	Charleston		019
	018	Dorchester		035
050	WV	Charleston, WV, MSA	1480	WV
		West Virginia		
	020	Kanawha		039
	040	Putnam		079
051	NC	Charlotte-Gastonia-Rock Hill, NC-SC, MSA	1520	NC
		North Carolina		
	013	Cabarrus		025
	036	Gaston		071
	055	Lincoln		109
	060	Mecklenburg		119
	080	Rowan		159
	090	Union		179
	SC	South Carolina		SC
	046	York		091
052	VA	Charlottesville, VA, MSA	1540	VA
		Virginia		
	002	Albemarle		003
	025	Charlottesville city		540
	045	Fluvanna		065
	055	Greene		079
053	GA	Chattanooga, TN-GA, MSA	1560	GA
		Georgia		
	023	Catoosa		047
	041	Dade		083
	146	Walker		295
	TN	Tennessee		TN
	033	Hamilton		065
	058	Marion		115
054	WY	Cheyenne, WY, MSA	1580	WY
		Wyoming		
	011	Laramie		021

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

055		Chicago, IL, PMSA	1600	
	IL	Illinois		IL
		Cook		031
		De Kalb		037
		Du Page		043
		Grundy		063
		Kane		089
		Kendall		093
		Lake		097
		McHenry		111
		Will		197
056		Chico-Paradise, CA, MSA	1620	
	CA	California		CA
		Butte		007
057		Cincinnati, OH-KY-IN, PMSA	1640	
	IN	Indiana		IN
		Dearborn		029
		Ohio		115
	KY	Kentucky		KY
		Boone		015
		Campbell		037
		Gallatin		077
		Grant		081
		Kenton		117
		Pendleton		191
	OH	Ohio		OH
		Brown		015
		Clermont		025
		Hamilton		061
		Warren		165
058		Clarksville-Hopkinsville, TN-KY, MSA	1660	
	KY	Kentucky		KY
		Christian		047
	TN	Tennessee		TN
		Montgomery		125
059		Cleveland-Lorain-Elyria, OH, PMSA	1680	
	OH	Ohio		OH
		Ashtabula		007
		Cuyahoga		035
		Geauga		055
		Lake		085
		Lorain		093
		Medina		103
060		Colorado Springs, CO, MSA	1720	
	CO	Colorado		CO
		El Paso		041
061		Columbia, MO, MSA	1740	
	MO	Missouri		MO
		Boone		019
062		Columbia, SC, MSA	1760	
	SC	South Carolina		SC
		Lexington		063
		Richland		079

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

063		Columbus, GA-AL, MSA	1800	
	AL	Alabama		AL
		057 Russell		113
	GA	Georgia		GA
		026 Chattahoochee		053
		072 Harris		145
		106 Muscogee		215
064		Columbus, OH, MSA	1840	
	OH	Ohio		OH
		021 Delaware		041
		023 Fairfield		045
		025 Franklin		049
		045 Licking		089
		049 Madison		097
		065 Pickaway		129
065		Corpus Christi, TX, MSA	1880	
	TX	Texas		TC
		178 Nueces		355
		205 San Patricio		409
066		Cumberland, MD-WV, MSA	1900	
	MD	Maryland		MD
		001 Allegany		001
	WV	West Virginia		WV
		029 Mineral		057
067		Dallas, TX, PMSA	1920	
	TX	Texas		TX
		043 Collin		085
		057 Dallas		113
		061 Denton		121
		070 Ellis		139
		107 Henderson		213
		116 Hunt		231
		129 Kaufman		257
		199 Rockwall		397
068		Danville, VA, MSA	1950	
	VA	Virginia		VA
		035 Danville city		590
		097 Pittsylvania		143
069		Davenport-Moline-Rock Island, IA-IL, MSA	1960	
	IL	Illinois		IL
		037 Henry		073
	IA	Rock Island		161
		082 Iowa		163
		Scott		
070		Dayton-Springfield, OH, MSA	2000	
	OH	Ohio		OH
		012 Clark		023
		029 Greene		057
		055 Miami		109
		057 Montgomery		113
071		Daytona Beach, FL, MSA	2020	
	FL	Florida		FL
		018 Flagler		035
		064 Volusia		127

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

072		Decatur, AL, MSA	2030	
	AL	Alabama		AL
	040	Lawrence		079
	052	Morgan		103
073	IL	Decatur, IL, MSA	2040	
		Illinois		IL
	058	Macon		115
074	CO	Denver, CO, PMSA	2080	
		Colorado		CO
	001	Adams		001
	003	Arapahoe		005
	016	Denver		031
	018	Douglas		035
	030	Jefferson		059
075	IA	Des Moines, IA, MSA	2120	
		Iowa		IA
	025	Dallas		049
	077	Polk		153
	091	Warren		181
076	MI	Detroit, MI, PMSA	2160	
		Michigan		MI
	044	Lapeer		087
	050	Macomb		099
	058	Monroe		115
	063	Oakland		125
	074	St. Clair		147
	082	Wayne		163
077	AL	Dothan, AL, MSA	2180	
		Alabama		AL
	023	Dale		045
	035	Houston		069
078	DE	Dover, DE, MSA	2190	
		Delaware		DE
	001	Kent		001
079	IA	Dubuque, IA, MSA	2200	
		Iowa		IA
	031	Dubuque		061
080	MN	Duluth-Superior, MN-WI, MSA	2240	
		Minnesota		MN
	069	St. Louis		137
	WI	Wisconsin		WI
	016	Douglas		031
081	NY	Dutchess County, NY, PMSA	2281	
		New York		NY
	013	Dutchess		027
082	WI	Eau Claire, WI, MSA	2290	
		Wisconsin		WI
	009	Chippewa		017
	018	Eau Claire		035

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

083	TX	El Paso, TX, MSA	2320	
		Texas		TX
	071	El Paso		141
084	IN	Elkhart-Goshen, IN, MSA	2330	
		Indiana		IN
	020	Elkhart		039
085	NY	Elmira, NY, MSA	2335	
		New York		NY
	007	Chemung		015
086	OK	Enid, OK, MSA	2340	
		Oklahoma		OK
	024	Garfield		047
087	PA	Erie, PA, MSA	2360	
		Pennsylvania		PA
	025	Erie		049
088	OR	Eugene-Springfield, OR, MSA	2400	
		Oregon		OR
	020	Lane		039
089	IN	Evansville-Henderson, IN-KY, MSA	2440	
		Indiana		IN
	065	Posey		129
	082	Vanderburgh		163
	KY	Warrick		KY
		Kentucky		
	087	Henderson		173
	051			101
090	MN	Fargo-Moorhead, ND-MN, MSA	2520	
		Minnesota		MN
	014	Clay		027
	ND	North Dakota		ND
		Cass		017
091	NC	Fayetteville, NC, MSA	2560	
		North Carolina		NC
	026	Cumberland		051
092	AR	Fayetteville-Springdale-Rogers, AR, MSA	2580	
		Arkansas		AR
	004	Benton		007
	072	Washington		143
093	MI	Flint, MI, PMSA	2640	
		Michigan		MI
	025	Genesee		049
094	AL	Florence, AL, MSA	2650	
		Alabama		AL
	017	Colbert		033
	039	Lauderdale		077

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

095	SC	Florence, SC, MSA South Carolina Florence	2655	SC	041
096	CO	Fort Collins-Loveland, CO, MSA Colorado Larimer	2670	CO	069
097	FL	Fort Lauderdale, FL, PMSA Florida Broward	2680	FL	011
098	FL	Fort Myers-Cape Coral, FL, MSA Florida Lee	2700	FL	
099	FL	Fort Pierce-Port St. Lucie, FL, MSA Florida Martin St. Lucie	2710	FL	085 111
100	AR	Fort Smith, AR-OK, MSA Arkansas Crawford Sebastian	2720	AR	033 131
	OK	Oklahoma Sequoiah		OK	135
101	FL	Fort Walton Beach, FL, MSA Florida Okaloosa	2750	FL	091
102	IN	Fort Wayne, IN, MSA Indiana Adams Allen De Kalb Huntington Wells Whitley	2760	IN	001 003 033 069 179 183
103	TX	Fort Worth-Arlington, TX, PMSA Texas Hood Johnson Parker Tarrant	2800	TX	221 251 367 439
104	CA	Fresno, CA, MSA California Fresno Madera	2840	CA	019 039
105	AL	Gadsden, AL, MSA Alabama Etowah	2880	AL	055
106	FL	Gainesville, FL, MSA Florida Alachua	2900	FL	001
107	TX	Galveston-Texas City, TX, PMSA Texas Galveston	2920	TX	167

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

108	IN	Gary, IN, PMSA Indiana Lake Porter	2960	IN	
		045	089		
		064	127		
109	NY	Glens Falls, NY, MSA New York Warren Washington	2975	NY	
		053	113		
		054	115		
110	NC	Goldsboro, NC, MSA North Carolina Wayne	2980	NC	
		096	191		
111	MN	Grand Forks, ND-MN, MSA Minnesota Polk	2985	MN	
	ND	North Dakota Grand Forks		ND	119
112	MI	Grand Rapids-Muskegon-Holland, MI, MSA Michigan Allegan Kent Muskegon Ottawa	3000	MI	
		003	005		
		041	081		
		061	121		
		070	139		
113	MT	Great Falls, MT, MSA Montana Cascade	3040	MT	
		007	013		
114	CO	Greeley, CO, PMSA Colorado Weld	3060	CO	
		062	123		
115	WI	Green Bay, WI, MSA Wisconsin Brown	3080	WI	
		005	009		
116	NC	Greensboro--Winston-Salem--High Point, NC, MSA North Carolina Alamance Davidson Davie Forsyth Guilford Randolph Stokes Yadkin	3120	NC	
		001	001		
		029	057		
		030	059		
		034	067		
		041	081		
		076	151		
		085	169		
		099	197		
117	NC	Greenville, NC, MSA North Carolina Pitt	3150	NC	
		074	147		
118	SC	Greenville-Spartanburg-Anderson, SC, MSA South Carolina Anderson Cherokee Greenville Pickens Spartanburg	3160	SC	
		004	007		
		011	021		
		023	045		
		039	077		
		042	083		
119	MD	Hagerstown, MD, PMSA Maryland Washington	3180	MD	
		022	043		

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

120	OH	Hamilton-Middletown, OH, PMSA	3200	OH
		Ohio		
	009	Butler		017
121	PA	Harrisburg-Lebanon-Carlisle, PA, MSA	3240	PA
		Pennsylvania		
	021	Cumberland		041
	022	Dauphin		043
	038	Lebanon		075
	050	Perry		099
122	CT	Hartford, CT, NECMA	3283	CT
		Connecticut		
	002	Hartford		003
	004	Middlesex		007
	007	Tolland		013
123	MS	Hattiesburg, MS, MSA	3285	MS
		Mississippi		
	018	Forrest		035
	037	Lamar		073
124	NC	Hickory-Morganton, NC, MSA	3290	NC
		North Carolina		
	002	Alexander		003
	012	Burke		023
	014	Caldwell		027
	018	Catawba		
125	HI	Honolulu, HI, MSA	3320	HI
		Hawaii		
	002	Honolulu		003
126	LA	Houma, LA, MSA	3350	LA
		Louisiana		
	029	Lafourche		057
	055	Terrebonne		109
127	TX	Houston, TX, PMSA	3360	TX
		Texas		
	036	Chambers		071
	079	Fort Bend		157
	101	Harris		201
	146	Liberty		291
	170	Montgomery		339
	237	Waller		473
128	KY	Huntington-Ashland, WV-KY-OH, MSA	3400	KY
		Kentucky		
	010	Boyd		019
	022	Carter		043
	045	Greenup		089
	OH	Ohio		OH
	044	Lawrence		087
	WV	West Virginia		WV
	006	Cabell		011
	050	Wayne		099
129	AL	Huntsville, AL, MSA	3440	AL
		Alabama		
	042	Limestone		083
	045	Madison		089

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

130	IN	Indianapolis, IN, MSA	3480	IN
		Indiana		
	006	Boone	011	
	029	Hamilton	057	
	030	Hancock	059	
	032	Hendricks	063	
	041	Johnson	081	
	048	Madison	095	
	049	Marion	097	
	055	Morgan	109	
	073	Shelby	145	
131	IA	Iowa City, IA, MSA	3500	IA
		Iowa		
	052	Johnson	103	
132	MI	Jackson, MI, MSA	3520	MI
		Michigan		
	038	Jackson	075	
133	MS	Jackson, MS, MSA	3560	MS
		Mississippi		
	025	Hinds	049	
	045	Madison	089	
	061	Rankin	121	
134	TN	Jackson, TN, MSA	3580	TN
		Tennessee		
	057	Madison	113	
135	FL	Jacksonville, FL, MSA	3600	FL
		Florida		
	010	Clay	019	
	016	Duval	031	
	045	Nassau	089	
	055	St. Johns	109	
136	NC	Jacksonville, NC, MSA	3605	NC
		North Carolina		
	067	Onslow	133	
137	NY	Jamestown, NY, MSA	3610	NY
		New York		
	006	Chautauqua	013	
138	WI	Janesville-Beloit, WI, MSA	3620	WI
		Wisconsin		
	054	Rock	105	
139	NJ	Jersey City, NJ, PMSA	3640	NJ
		New Jersey		
	009	Hudson	017	
140	TN	Johnson City-Kingsport-Bristol, TN-VA, MSA	3660	TN
		Tennessee		
	010	Carter	019	
	037	Hawkins	073	
	082	Sullivan	163	
	086	Unicoi	171	
	090	Washington	179	
	VA	Virginia		VA
	015	Bristol city	520	
	115	Scott	169	
	129	Washington	191	

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

141	PA	Johnstown, PA, MSA Pennsylvania	3680	PA
		011 Cambria		021
		056 Somerset		111
142	MO	Joplin, MO, MSA Missouri	3710	MO
		049 Jasper		097
		073 Newton		145
143	MI	Kalamazoo-Battle Creek, MI, MSA Michigan	3720	MI
		013 Calhoun		025
		039 Kalamazoo		077
		080 Van Buren		159
144	IL	Kankakee, IL, PMSA Illinois	3740	IL
		046 Kankakee		091
145	KA	Kansas City, MO-KS, MSA Kansas	3760	KS
		046 Johnson		091
		052 Leavenworth		103
		061 Miami		121
		105 Wyandotte		209
	MI	Missouri		MO
		019 Cass		037
		024 Clay		047
		025 Clinton		049
		048 Jackson		095
		054 Lafayette		107
		083 Platte		165
		089 Ray		177
146	WI	Kenosha, WI, PMSA Wisconsin	3800	WI
		030 Kenosha		059
147	TX	Killeen-Temple, TX, MSA Texas	3810	TX
		014 Bell		027
		050 Coryell		
148	TN	Knoxville, TN, MSA Tennessee	3840	TN
		001 Anderson		001
		005 Blount		009
		047 Knox		093
		053 Loudon		105
		078 Sevier		155
		087 Union		173
149	IN	Kokomo, IN, MSA Indiana	3850	IN
		034 Howard		067
		080 Tipton		159
150	MN	La Crosse, WI-MN, MSA Minnesota	3870	MN
		028 Houston		055
	WI	Wisconsin		WI
		032 La Crosse		063

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

151	LA	Lafayette, LA, MSA	3880	LA
		Louisiana		
	001	Acadia		001
	028	Lafayette		055
	049	St. Landry		097
	050	St. Martin		099
152	IN	Lafayette, IN, MSA	3920	IN
		Indiana		
	012	Clinton		023
	079	Tippecanoe		157
153	LA	Lake Charles, LA, MSA	3960	LA
		Louisiana		
	010	Calcasieu		019
154	FL	Lakeland-Winter Haven, FL, MSA	3980	FL
		Florida		
	053	Polk		105
155	PA	Lancaster, PA, MSA	4000	PA
		Pennsylvania		
	036	Lancaster		071
156	MI	Lansing-East Lansing, MI, MSA	4040	MI
		Michigan		
	019	Clinton		037
	023	Eaton		045
	033	Ingham		065
157	TX	Laredo, TX, MSA	4080	TX
		Texas		
	240	Webb		479
158	NM	Las Cruces, NM, MSA	4100	NM
		New Mexico		
	008	Dona Ana		013
159	AZ	Las Vegas, NV-AZ, MSA	4120	AZ
		Arizona		
	009	Mohave		015
	NV	Nevada		
	003	Clark		003
	013	Nye		023
160	KS	Lawrence, KS, MSA	4150	KS
		Kansas		
	023	Douglas		045
161	OK	Lawton, OK, MSA	4200	OK
		Oklahoma		
	016	Comanche		031
162	ME	Lewiston-Auburn, ME, NECMA	4243	ME
		Maine		
	001	Androscoggin		001
163	KY	Lexington, KY, MSA	4280	KY
		Kentucky		
	009	Bourbon		017
	025	Clark		049
	034	Fayette		067
	057	Jessamine		113
	076	Madison		151
	105	Scott		209
	120	Woodford		239

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

164	OH	Lima, OH, MSA	4320	
		Ohio		OH
	002	Allen		003
	006	Auglaize		011
165	NE	Lincoln, NE, MSA	4360	
		Nebraska		NE
	055	Lancaster		109
166	AR	Little Rock-North Little Rock, AR, MSA	4400	
		Arkansas		AR
	023	Faulkner		045
	043	Lonoke		085
	060	Pulaski		119
	063	Saline		125
167	TX	Longview-Marshall, TX, MSA	4420	
		Texas		TX
	092	Gregg		183
	102	Harrison		203
	230	Upshur		459
168	CA	Los Angeles-Long Beach, CA, PMSA	4480	
		California		CA
	019	Los Angeles		037
169	IN	Louisville, KY-IN, MSA	4520	
		Indiana		IN
	010	Clark		019
	022	Floyd		043
	031	Harrison		061
	072	Scott		143
	KY	Kentucky		KY
	015	Bullitt		029
	056	Jefferson		111
	093	Oldham		185
170	TX	Lubbock, TX, MSA	4600	
		Texas		TX
	152	Lubbock		303
171	VA	Lynchburg, VA, MSA	4640	
		Virginia		VA
	006	Amherst		009
	011	Bedford		019
	012	Bedford city		515
	020	Campbell		031
	076	Lynchburg city		680
172	GA	Macon, GA, MSA	4680	
		Georgia		GA
	011	Bibb		021
	076	Houston		153
	084	Jones		169
	111	Peach		225
	143	Twiggs		289
173	WI	Madison, WI, MSA	4720	
		Wisconsin		WI
	013	Dane		025
174	OH	Mansfield, OH, MSA	4800	
		Ohio		OH
	017	Crawford		033
	070	Richland		139

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

175	TX	McAllen-Edinburg-Mission, TX, MSA	4880	
		Texas		TX
	108	Hidalgo		215
176	OR	Medford-Ashland, OR, MSA	4890	
		Oregon		OR
	015	Jackson		029
177	FL	Melbourne-Titusville-Palm Bay, FL, MSA	4900	
		Florida		FL
	005	Brevard		009
178	AR	Memphis, TN-AR-MS, MSA	4920	
		Arkansas		AR
	018	Crittenden		035
	MS	Mississippi		MS
	017	De Soto		033
	TN	Tennessee		TN
	024	Fayette		047
	079	Shelby		157
	084	Tipton		167
179	CA	Merced, CA, MSA	4940	
		California		CA
	024	Merced		047
180	FL	Miami, FL, PMSA	5000	
		Florida		FL
	013	Dade		025
181	NJ	Middlesex-Somerset-Hunterdon, NJ, PMSA	5015	
		New Jersey		NJ
	010	Hunterdon		019
	012	Middlesex		023
	018	Somerset		035
182	WI	Milwaukee-Waukesha, WI, PMSA	5080	
		Wisconsin		WI
	041	Milwaukee		079
	046	Ozaukee		089
	067	Washington		131
	068	Waukesha		133
183	MN	Minneapolis-St. Paul, MN-WI, MSA	5120	
		Minnesota		MN
	002	Anoka		003
	010	Carver		019
	013	Chisago		025
	019	Dakota		037
	027	Hennepin		053
	030	Isanti		059
	062	Ramsey		123
	070	Scott		139
	071	Sherburne		141
	082	Washington		163
	086	Wright		171
	WI	Wisconsin		WI
	048	Pierce		093
	056	St. Croix		109
184	AL	Mobile, AL, MSA	5160	
		Alabama		AL
	002	Baldwin		003
	049	Mobile		097

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

185	CA	Modesto, CA, MSA	5170	CA
		California		
	050	Stanislaus		099
186	NJ	Monmouth-Ocean, NJ, PMSA	5190	NJ
		New Jersey		
	013	Monmouth		025
	015	Ocean		029
187	LA	Monroe, LA, MSA	5200	LA
		Louisiana		
	037	Ouachita		073
188	AL	Montgomery, AL, MSA	5240	AL
		Alabama		
	001	Autauga		001
	026	Elmore		051
	051	Montgomery		101
189	IN	Muncie, IN, MSA	5280	IN
		Indiana		
	018	Delaware		035
190	SC	Myrtle Beach, SC, MSA	5330	SC
		South Carolina		
	026	Horry		051
191	FL	Naples, FL, MSA	5345	FL
		Florida		
	011	Collier		021
192	TN	Nashville, TN, MSA	5360	TN
		Tennessee		
	011	Cheatham		021
	019	Davidson		037
	022	Dickson		043
	074	Robertson		147
	075	Rutherford		149
	083	Sumner		165
	094	Williamson		187
	095	Wilson		189
193	NY	Nassau-Suffolk, NY, PMSA	5380	NY
		New York		
	028	Nassau		059
	048	Suffolk		103
194	CT	New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT, NECMA	5483	CT
		Connecticut		
	001	Fairfield		001
	005	New Haven		009
195	CT	New London-Norwich, CT, NECMA	5523	CT
		Connecticut		
	006	New London		011
196	LA	New Orleans, LA, MSA	5560	LA
		Louisiana		
	026	Jefferson		051
	036	Orleans		071
	038	Plaquemines		075
	044	St. Bernard		087
	045	St. Charles		089
	047	St. James		093
	048	St. John the Baptist		095
	052	St. Tammany		103

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

197	NY	New York, NY, PMSA	5600	
		New York		NY
	029	New York city	005	
	038	Putnam	079	
	040	Rockland	087	
	056	Westchester	119	
198	NJ	Newark, NJ, PMSA	5640	
		New Jersey		NJ
	007	Essex	013	
	014	Morris	027	
	019	Sussex	037	
	020	Union	039	
	021	Warren	041	
199	NY	Newburgh, NY-PA, PMSA	5660	
		New York		NY
	034	Orange	071	
	PA	Pennsylvania		PA
	052	Pike	103	
200	NC	Norfolk-Virginia Beach-Newport News, VA-NC, MSA	5720	
		North Carolina		NC
	027	Currituck	053	
	VA	Virginia		VA
	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	CA	Oakland, CA, PMSA	5775	
		California		CA
	001	Alameda	001	
	007	Contra Costa	013	
202	FL	Ocala, FL, MSA	5790	
		Florida		FL
	042	Marion	083	
203	TX	Odessa-Midland, TX, MSA	5800	
		Texas		TX
	068	Ector	135	
	165	Midland	329	
204	OK	Oklahoma City, OK, MSA	5880	
		Oklahoma		OK
	009	Canadian	017	
	014	Cleveland	027	
	042	Logan	083	
	044	McClain	087	
	055	Oklahoma	109	
	063	Pottawatomie	125	
205	WA	Olympia, WA, PMSA	5910	
		Washington		WA
	034	Thurston	067	

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

206		Omaha, NE-IA, MSA	5920	
	IA	Iowa		IA
		078     Pottawattamie		155
	NE	Nebraska		NE
		013     Cass		025
		028     Douglas		055
		077     Sarpy		153
		089     Washington		177
207	CA	Orange County, CA, PMSA	5945	CA
		California		
		030     Orange		059
208	FL	Orlando, FL, MSA	5960	FL
		Florida		
		035     Lake		069
		048     Orange		095
		049     Osceola		097
		059     Seminole		117
209	KY	Owensboro, KY, MSA	5990	KY
		Kentucky		
		030     Daviess		059
210	FL	Panama City, FL, MSA	6015	FL
		Florida		
		003     Bay		005
211	OH	Parkersburg-Marietta, WV-OH, MSA	6020	OH
		Ohio		
		084     Washington		167
	WV	West Virginia		WV
		054     Wood		107
212	FL	Pensacola, FL, MSA	6080	FL
		Florida		
		017     Escambia		033
		057     Santa Rosa		113
213	IL	Peoria-Pekin, IL, MSA	6120	IL
		Illinois		
		072     Peoria		143
		090     Tazewell		179
		102     Woodford		203
214	NJ	Philadelphia, PA-NJ, PMSA	6160	NJ
		New Jersey		
		003     Burlington		005
		004     Camden		007
		008     Gloucester		015
		017     Salem		033
	PA	Pennsylvania		PA
		009     Bucks		017
		015     Chester		029
		023     Delaware		045
		046     Montgomery		091
		051     Philadelphia		101
215	AZ	Phoenix-Mesa, AZ, MSA	6200	AZ
		Arizona		
		008     Maricopa		013
		012     Pinal		021
216	AR	Pine Bluff, AR, MSA	6240	AR
		Arkansas		
		035     Jefferson		069

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

217	PA	Pittsburgh, PA, MSA	6280	PA
		Pennsylvania		
	002	Allegheny		003
	004	Beaver		007
	010	Butler		019
	026	Fayette		051
	063	Washington		125
	065	Westmoreland		129
218	MA	Pittsfield, MA, NECMA	6323	MA
		Massachusetts		
	002	Berkshire		003
219	ME	Portland, ME, NECMA	6403	ME
		Maine		
	003	Cumberland		005
220	OR	Portland-Vancouver, OR-WA, PMSA	6440	OR
		Oregon		
	003	Clackamas		005
	005	Columbia		009
	026	Multnomah		051
	034	Washington		067
	036	Yamhill		071
	WA	Washington		WA
	006	Clark		011
221	RI	Providence-Warwick-Pawtucket, RI, NECMA	6483	RI
		Rhode Island		
	001	Bristol		001
	002	Kent		003
	004	Providence		007
	005	Washington		009
222	UT	Provo-Orem, UT, MSA	6520	UT
		Utah		
	025	Utah		049
223	CO	Pueblo, CO, MSA	6560	CO
		Colorado		
	051	Pueblo		101
224	FL	Punta Gorda, FL, MSA	6580	FL
		Florida		
	008	Charlotte		015
225	WI	Racine, WI, PMSA	6600	WI
		Wisconsin		
	052	Racine		101
226	NC	Raleigh-Durham-Chapel Hill, NC, MSA	6640	NC
		North Carolina		
	019	Chatham		037
	032	Durham		063
	035	Franklin		069
	051	Johnston		101
	068	Orange		135
	092	Wake		183
227	SD	Rapid City, SD, MSA	6660	SD
		South Dakota		
	051	Pennington		103

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

228	PA	Reading, PA, MSA Pennsylvania Berks	6680	PA	011
229	CA	Redding, CA, MSA California Shasta	6690	CA	089
230	NV	Reno, NV, MSA Nevada Washoe	6720	NV	031
231	WA	Richland-Kennewick-Pasco, WA, MSA Washington Benton Franklin	6740	WA	005 021
232	VA	Richmond-Petersburg, VA, MSA Virginia Charles City Chesterfield Colonial Heights city Dinwiddie Goochland Hanover Henrico Hopewell city New Kent Petersburg city Powhatan Prince George Richmond city	6760	VA	036 041 570 053 075 085 087 670 127 730 145 149 760
233	CA	Riverside-San Bernardino, CA, PMSA California Riverside San Bernardino	6780	CA	065 071
234	VA	Roanoke, VA, MSA Virginia Botetourt Roanoke Roanoke city Salem city	6800	VA	023 161 770 775
235	MN	Rochester, MN, MSA Minnesota Olmsted	6820	MN	109
236	NY	Rochester, NY, MSA New York Genesee Livingston Monroe Ontario Orleans Wayne	6840	NY	037 051 055 069 073 117
237	IL	Rockford, IL, MSA Illinois Boone Ogle Winnebago	6880	IL	007 141 201

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

238	NC	Rocky Mount, NC, MSA	6895	NC
		North Carolina		
	033	Edgecombe		065
	064	Nash		127
239	CA	Sacramento, CA, PMSA	6920	CA
		California		
	009	El Dorado		017
	031	Placer		061
	034	Sacramento		067
240	MI	Saginaw-Bay City-Midland, MI, MSA	6960	MI
		Michigan		
	009	Bay		017
	056	Midland		111
	073	Saginaw		145
241	MN	St. Cloud, MN, MSA	6980	MN
		Minnesota		
	005	Benton		009
	073	Stearns		145
242	MO	St. Joseph, MO, MSA	7000	MO
		Missouri		
	002	Andrew		003
	011	Buchanan		021
243	MO	St. Louis, MO-IL, MSA	7040	IL
		Illinois		
	014	Clinton		027
	042	Jersey		083
	060	Madison		119
	067	Monroe		133
	082	St. Clair		163
	IL	Missouri		MO
	036	Franklin		071
	050	Jefferson		099
	057	Lincoln		113
	092	St. Charles		183
	095	St. Louis		189
	096	St. Louis city		510
	110	Warren		219
244	OR	Salem, OR, PMSA	7080	OR
		Oregon		
	024	Marion		047
	027	Polk		053
245	CA	Salinas, CA, MSA	7120	CA
		California		
	027	Monterey		053
246	UT	Salt Lake City-Ogden, UT, MSA	7160	UT
		Utah		
	006	Davis		011
	018	Salt Lake		035
	029	Weber		057
247	TX	San Angelo, TX, MSA	7200	TX
		Texas		
	226	Tom Green		451

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

248	TX	San Antonio, TX, MSA	7240	TX
		Texas		
	015	Bexar		029
	046	Comal		091
	094	Guadalupe		187
	247	Wilson		493
249	CA	San Diego, CA, MSA	7320	CA
		California		
	037	San Diego		073
250	CA	San Francisco, CA, PMSA	7360	CA
		California		
	021	Marin		041
	038	San Francisco		075
	041	San Mateo		081
251	CA	San Jose, CA, PMSA	7400	CA
		California		
	043	Santa Clara		085
252	CA	San Luis Obispo-Atascadero-Paso Robles, CA, MSA	7460	CA
		California		
	040	San Luis Obispo		079
253	CA	Santa Barbara-Santa Maria-Lompoc, CA, MSA	7480	CA
		California		
	042	Santa Barbara		083
254	CA	Santa Cruz-Watsonville, CA, PMSA	7485	CA
		California		
	044	Santa Cruz		087
255	NM	Santa Fe, NM, MSA	7490	NM
		New Mexico		
	016	Los Alamos		028
	027	Santa Fe		049
256	CA	Santa Rosa, CA, PMSA	7500	CA
		California		
	049	Sonoma		097
257	FL	Sarasota-Bradenton, FL, MSA	7510	FL
		Florida		
	041	Manatee		081
	058	Sarasota		115
258	GA	Savannah, GA, MSA	7520	GA
		Georgia		
	015	Bryan		029
	025	Chatham		051
	051	Effingham		103
259	PA	Scranton--Wilkes-Barre--Hazleton, PA, MSA	7560	PA
		Pennsylvania		
	019	Columbia		037
	035	Lackawanna		069
	040	Luzerne		079
	066	Wyoming		131
260	WA	Seattle-Bellevue-Everett, WA, PMSA	7600	WA
		Washington		
	015	Island		029
	017	King		033
	031	Snohomish		061

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

261	PA	Sharon, PA, MSA Pennsylvania Mercer	7610	PA	085
262	WI	Sheboygan, WI, MSA Wisconsin Sheboygan	7620	WI	117
263	TX	Sherman-Denison, TX, MSA Texas Grayson	7640	TX	181
264	LA	Shreveport-Bossier City, LA, MSA Louisiana Bossier Caddo Webster	7680	LA	015 017 119
265	IA	Sioux City, IA-NE, MSA Iowa Woodbury	7720	IA	193
	NE	Nebraska Dakota		NE	043
266	SD	Sioux Falls, SD, MSA South Dakota Lincoln Minnehaha	7760	SD	083 099
267	IN	South Bend, IN, MSA Indiana St. Joseph	7800	IN	141
268	WA	Spokane, WA, MSA Washington Spokane	7840	WA	063
269	IL	Springfield, IL, MSA Illinois Menard Sangamon	7880	IL	129 167
270	MO	Springfield, MO, MSA Missouri Christian Greene Webster	7920	MO	043 077 225
271	MA	Springfield, MA, NECMA Massachusetts Hampden Hampshire	8003	MA	013 015
272	PA	State College, PA, MSA Pennsylvania Centre	8050	PA	027
273	OH	Steubenville-Weirton, OH-WV, MSA Ohio Jefferson	8080	OH	081
	WV	West Virginia Brooke Hancock		WV	009 029

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

274	CA	Stockton-Lodi, CA, MSA California San Joaquin	8120	CA	077
275	SC	Sumter, SC, MSA South Carolina Sumter	8140	SC	085
276	NY	Syracuse, NY, MSA New York 005 Cayuga 025 Madison 032 Onondaga 036 Oswego	8160	NY	011 053 067 075
277	WA	Tacoma, WA, PMSA Washington Pierce	8200	WA	053
278	FL	Tallahassee, FL, MSA Florida 020 Gadsden 037 Leon	8240	FL	039 073
279	FL	Tampa-St. Petersburg-Clearwater, FL, MSA Florida 027 Hernando 029 Hillsborough 051 Pasco 052 Pinellas	8280	FL	053 057 101 103
280	IN	Terre Haute, IN, MSA Indiana 011 Clay 083 Vermillion 084 Vigo	8320	IN	021 165 167
281	AR	Texarkana, TX-Texarkana, AR, MSA Arkansas 046 Miller	8360	AR	091
	TX	Texas 019 Bowie		TX	037
282	OH	Toledo, OH, MSA Ohio 026 Fulton 048 Lucas 087 Wood	8400	39	051 095 173
283	KS	Topeka, KS, MSA Kansas 089 Shawnee	8440	KS	177
284	NJ	Trenton, NJ, PMSA New Jersey 011 Mercer	8480	NJ	021
285	AZ	Tucson, AZ, MSA Arizona 011 Pima	8520	AZ	019

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

286	OK	Tulsa, OK, MSA Oklahoma	8560	OK
		019 Creek		037
		057 Osage		113
		066 Rogers		131
		072 Tulsa		143
		073 Wagoner		145
287	AL	Tuscaloosa, AL, MSA Alabama	8600	AL
		063 Tuscaloosa		125
288	TX	Tyler, TX, MSA Texas	8640	TX
		212 Smith		423
289	NY	Utica-Rome, NY, MSA New York	8680	NY
		021 Herkimer		043
		031 Oneida		065
290	CA	Vallejo-Fairfield-Napa, CA, PMSA California	8720	CA
		028 Napa		055
		048 Solano		095
291	CA	Ventura, CA, PMSA California	8735	CA
		056 Ventura		111
292	TX	Victoria, TX, MSA Texas	8750	TX
		235 Victoria		469
293	NJ	Vineland-Millville-Bridgeton, NJ, PMSA New Jersey	8760	NJ
		006 Cumberland		011
294	CA	Visalia-Tulare-Porterville, CA, MSA California	8780	CA
		054 Tulare		107
295	TX	Waco, TX, MSA Texas	8800	TX
		155 McLennan		309
296	DC	Washington, DC-MD-VA-WV, PMSA Dist. of Columbia	8840	DC
		001 District of Columbia		001
	MD	Maryland		MD
		005 Calvert		009
		009 Charles		017
		011 Frederick		021
		016 Montgomery		031
		017 Prince George's		033
	VA	Virginia		VA
		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

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

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	
WV	West Virginia			WV		
002	Berkeley				003	
019	Jefferson				037	
297	Waterloo-Cedar Falls, IA, MSA			8920		
IA	Iowa			IA		
007	Black Hawk				013	
298	Wausau, WI, MSA			8940		
WI	Wisconsin			WI		
037	Marathon				073	
299	West Palm Beach-Boca Raton, FL, MSA			8960		
FL	Florida			FL		
050	Palm Beach				099	
300	Wheeling, WV-OH, MSA			9000		
OH	Ohio			OH		
007	Belmont				013	
WV	West Virginia			WV		
026	Marshall				051	
035	Ohio				069	
301	Wichita, KS, MSA			9040		
KS	Kansas			KS		
008	Butler				015	
040	Harvey				079	
087	Sedgwick				173	
302	Wichita Falls, TX, MSA			9080		
TX	Texas			TX		
005	Archer				009	
243	Wichita				485	
303	Williamsport, PA, MSA			9140		
PA	Pennsylvania			PA		
041	Lycoming				081	
304	Wilmington-Newark, DE-MD, PMSA			9160		
DE	Delaware			DE		
002	New Castle				003	
MD	Maryland			MD		
008	Cecil				015	
305	Wilmington, NC, MSA			9200		
NC	North Carolina			NC		
010	Brunswick				019	
065	New Hanover				129	
306	Yakima, WA, MSA			9260		
WA	Washington			WA		
039	Yakima				077	

Primary and Metropolitan Statistical Areas Established in 1990  
 Effective with 2002 and Adapted for Use by DVS  
 United States  
 Puerto Rico - con.

307	CA	Yolo, CA, PMSA California Yolo	9270	CA	113
308	PA	York, PA, MSA Pennsylvania York	9280	PA	133
309	OH	Youngstown-Warren, OH, MSA Ohio 015 Columbiana 050 Mahoning 078 Trumbull	9320	OH	029 099 155
310	CA	Yuba City, CA, MSA California 051 Sutter 058 Yuba	9340	CA	101 115
311	AZ	Yuma, AZ, MSA Arizona 015 Yuma	9360	AZ	027

Vital Statistics Geographic Code Outline For Puerto Rico,  
Virgin Islands, Guam, American Samoa and Northern Marianas  
Effective with 2004 Data

Page 1

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
AL	000	999	9	000	Alabama	AL	000	0000	00000
AK	000	999	9	000	Alaska	AK	000	0000	00000
AZ	000	999	9	000	Arizona	AZ	000	0000	00000
AR	000	999	9	000	Arkansas	AR	000	0000	00000
CA	000	999	9	000	California	CA	000	0000	00000
CO	000	999	9	000	Colorado	CO	000	0000	00000
CT	000	999	9	000	Connecticut	CT	000	0000	00000
DE	000	999	9	000	Delaware	DE	000	0000	00000
DC	000	999	9	000	District of Columbia	DC	000	0000	00000
FL	000	999	9	000	Florida	FL	000	0000	00000
GA	000	999	9	000	Georgia	GA	000	0000	00000
HI	000	999	9	000	Hawaii	HI	000	0000	00000
ID	000	999	9	000	Idaho	ID	000	0000	00000
IL	000	999	9	000	Illinois	IL	000	0000	00000
IN	000	999	9	000	Indiana	IN	000	0000	00000
IA	000	999	9	000	Iowa	IA	000	0000	00000
KS	000	999	9	000	Kansas	KS	000	0000	00000
KY	000	999	9	000	Kentucky	KY	000	0000	00000
LA	000	999	9	000	Louisiana	LA	000	0000	00000
ME	000	999	9	000	Maine	ME	000	0000	00000
MD	000	999	9	000	Maryland	MD	000	0000	00000
MA	000	999	9	000	Massachusetts	MA	000	0000	00000
MI	000	999	9	000	Michigan	MI	000	0000	00000
MN	000	999	9	000	Minnesota	MN	000	0000	00000
MS	000	999	9	000	Mississippi	MS	000	0000	00000
MO	000	999	9	000	Missouri	MO	000	0000	00000
MT	000	999	9	000	Montana	MT	000	0000	00000
NE	000	999	9	000	Nebraska	NE	000	0000	00000
NV	000	999	9	000	Nevada	NV	000	0000	00000
NH	000	999	9	000	New Hampshire	NH	000	0000	00000
NJ	000	999	9	000	New Jersey	NJ	000	0000	00000
NM	000	999	9	000	New Mexico	NM	000	0000	00000
NY	000	999	9	000	New York	NY	000	0000	00000
NC	000	999	9	000	North Carolina	NC	000	0000	00000
ND	000	999	9	000	North Dakota	ND	000	0000	00000
OH	000	999	9	000	Ohio	OH	000	0000	00000

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
OK	000	999	9	000	Oklahoma	OK	000	0000	00000
OR	000	999	9	000	Oregon	OR	000	0000	00000
PA	000	999	9	000	Pennsylvania	PA	000	0000	00000
RI	000	999	9	000	Rhode Island	RI	000	0000	00000
SC	000	999	9	000	South Carolina	SC	000	0000	00000
SD	000	999	9	000	South Dakota	SD	000	0000	00000
TN	000	999	9	000	Tennessee	TN	000	0000	00000
TX	000	999	9	000	Texas	TX	000	0000	00000
UT	000	999	9	000	Utah	UT	000	0000	00000
VT	000	999	9	000	Vermont	VT	000	0000	00000
VA	000	999	9	000	Virginia	VA	000	0000	00000
WA	000	999	9	000	Washington	WA	000	0000	00000
WV	000	999	9	000	West Virginia	WV	000	0000	00000
WI	000	999	9	000	Wisconsin	WI	000	0000	00000
WY	000	999	9	000	Wyoming	WY	000	0000	00000

Vital Statistics Codes				FIPS Codes				
St	Cnty	P/MSA	M/NM	Area Names	St	Cnty	P/MSA	Place
PR				Puerto Rico	PR			
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, Guam, American Samoa and Northern Marianas  
Effective with 2004 Data

Page 4

041	000	2	999	Lajas	079 0000
042	000	2	999	Lares	081 0000
043	000	2	999	Las Marias	083 0000
044	006	1	999	Las Piedras	085 7440
045	006	1	999	Loiza	087 7440
046	006	1	999	Luquillo	089 7440
047	006	1	999	Manati	091 7440
048	000	2	999	Maricao	093 0000
049	000	2	999	Maunabo	095 0000
050	004	1	999	Mayaguez	097 4840
051	001	1	999	Moca	099 0060
052	006	1	999	Morovis	101 7440
053	006	1	999	Naguabo	103 7440
054	006	1	999	Naranjito	105 7440
055	000	2	999	Orocovis	107 0000
056	000	2	999	Patillas	109 0000
057	005	1	999	Penuelas	111 6360
058	005	1	999	Ponce	113 6360
059	000	2	999	Quebradillas	115 0000
060	000	2	999	Rincon	117 0000
061	006	1	999	Rio Grande	119 7440
062	004	1	999	Sabana Grande	121 4840
063	000	2	999	Salinas	123 0000
064	004	1	999	San German	125 4840
065	006	1	999	San Juan	127 7440
066	003	1	999	San Lorenzo	129 1310
067	000	2	999	San Sebastian	131 0000
068	000	2	999	Santa Isabel	133 0000
069	006	1	999	Toa Alta	135 7440
070	006	1	999	Toa Baja	137 7440
071	006	1	999	Trujillo Alto	139 7440
072	000	2	999	Utuado	141 0000
073	006	1	999	Vega Alta	143 7440
074	006	1	999	Vega Baja	145 7440

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
PR						PR			
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		
VI						VI			
001	000	2	999		St. Croix	010	0000		
002	000	2	999		St. John	020	0000		
003	000	2			St. Thomas	030	0000		
			001		Charlotte Amalie			99999	
			999		Balance of area			99999	
GU						GU			
000	000	2			Guam	010	0000		
			000		Guam			99999	
CC	ZZZ	ZZZ	Z	ZZZ	Canada	CC	000	0000	00000
CU	ZZZ	ZZZ	Z	ZZZ	Cuba	CU	000	0000	00000
MX	ZZZ	ZZZ	Z	ZZZ	Mexico	MX	000	0000	00000
YY	ZZZ	ZZZ	Z	ZZZ	Remainder of World	YY	000	0000	00000
AS						AS			
000	000	2			American Samoa	000	0000		
			000		American Samoa			99999	
					American Samoa				
MP						MP			
000	000	2			Northern Marianas	000	0000		
			000		Northern Marianas			99999	
					Northern Marianas				



## United States

## Puerto Rico

Vital Statistics Codes			FIPS Codes			
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
001			Aguadilla, PR, MSA	0060		
	52		Puerto Rico	72		
		002	Aguada		003	
		003	Aguadilla		005	
		051	Moca		099	
002			Arecibo, PR, PMSA	0470		
	52		Puerto Rico	72		
		007	Arecibo		013	
		014	Camuy		027	
		034	Hatillo		065	
003			Caguas, PR, PMSA	1310		
	52		Puerto Rico	72		
		013	Caguas		025	
		018	Cayey		035	
		021	Cidra		041	
		033	Gurabo		063	
		066	San Lorenzo		129	
004			Mauaguez, PR, MSA	4840		
	52		Puerto Rico	72		
		006	Anasco		011	
		012	Cabo Rojo		023	
		035	Hormigueros		067	
		050	Mayaguez		097	
		062	Sabana Grande		121	
		064	San German		125	
005			Ponce, PR, MSA	6360		
	52		Puerto Rico	72		

031	Guayanilla	059
039	Juana Diaz	075
057	Penuelas	111
058	Ponce	113
076	Villalba	149
078	Yauco	153
006	San Juan-Bayamon, PR, PMSA	7440
52	Puerto Rico	72
004	Aguas Buenas	007
009	Barceloneta	017
011	Bayamon	021
015	Canovanas	029
016	Carolina	031
017	Catano	033
019	Ceiba	037
023	Comerio	045
024	Corozal	047
026	Dorado	051
027	Fajardo	053
028	Florida	054
032	Guaynabo	061
036	Humacao	069
040	Juncos	077
044	Las Piedras	085
045	Loiza	087
046	Luquillo	089
047	Manati	091
052	Morovis	101
053	Naguabo	103
054	Naranjito	105
061	Rio Grande	119
065	San Juan	127
069	Toa Alta	135
070	Toa Baja	137
071	Trujillo Alto	139
073	Vega Alta	143
074	Vega Baja	145



**Country Codes**  
**(Alphabetical by Code)**

Code	Geopolitical Entity
------	---------------------

AA ARUBA  
AC ANTIGUA AND BARBUDA  
AE UNITED ARAB EMIRATES  
AF AFGHANISTAN  
AG ALGERIA  
AJ AZERBAIJAN  
AL ALBANIA  
AM ARMENIA  
AN ANDORRA  
AO ANGOLA  
AQ AMERICAN SAMOA  
AR ARGENTINA  
AS AUSTRALIA  
AT ASHMORE AND CARTIER ISLANDS  
AU AUSTRIA  
AV ANGUILLA  
AY ANTARCTICA  
BA BAHRAIN  
BB BARBADOS  
BC BOTSWANA  
BD BERMUDA  
BE BELGIUM  
BF BAHAMAS, THE  
BG BANGLADESH  
BH BELIZE  
BK BOSNIA AND HERZEGOVINA  
BL BOLIVIA  
BM BURMA  
BN BENIN  
BO BELARUS  
BP SOLOMON ISLANDS  
BR BRAZIL  
BS BASSAS DA INDIA  
BT BHUTAN  
BU BULGARIA  
BV BOUVENT ISLAND  
BX BRUNEI  
BY BURUNDI  
CA CANADA  
CB CAMBODIA  
CD CHAD  
CE SRI LANKA  
CF CONGO  
CG CONGO  
CH CHINA  
CI CHILE  
CJ CAYMAN ISLANDS  
CK COCOS (KEELING) ISLANDS  
CL CENTRAL AND SOUTHERN LINE ISLANDS  
CM CAMEROON  
CN COMOROS  
CO COLOMBIA  
CQ NORTHERN MARIANAS ISLANDS  
CR CORAL SEA ISLANDS

**Country Codes**  
**(Alphabetical by Code)**

Code	Geopolitical Entity
------	---------------------

CS COSTA RICA  
CT CENTRAL AFRICAN REPUBLIC  
CU CUBA  
CV CAPE VERDE  
CW COOK ISLANDS  
CY CYPRUS  
CZ CZECHOSLOVAKIA  
DA DENMARK  
DJ DJIBOUTI  
DM DAHOMEY [BENIN]  
DO DOMINICA  
DQ JARVIS ISLAND  
DR DOMINICAN REPUBLIC  
EB EAST BERLIN  
EC ECUADOR  
EG EGYPT  
EI IRELAND  
EK EQUATORIAL GUINEA  
EN ESTONIA  
EQ CANTON AND ENDERBERRY ISLANDS  
ER ERITREA  
ES EL SALVADOR  
ET ETHIOPIA  
EU EUROPA ISLAND  
EZ CZECH REPUBLIC  
FG FRENCH GUIANA  
FI FINLAND  
FJ FIJI  
FK FALKLAND ISLANDS  
FM MICRONESIA, FEDERATED STATES OF  
FO FAROE ISLANDS  
FP FRENCH POLYNESIA  
FR FRANCE  
FS FRENCH SOUTHERN AND ANTARCTIC LANDS  
FT FRENCH TERRITORY OF THE AFFARS AND ISSAS  
GA GAMBIA, THE  
GB GABON  
GC EAST GERMANY (GERMAN DEMOCRATIC REPUBLIC)  
GE WEST GERMANY (FEDERAL REPUBLIC OF GERMANY)  
GG GEORGIA  
GH GHANA  
GI GIBRALTAR  
GJ GRENADA  
GK GUERNSEY  
GL GREENLAND  
GM GERMANY  
GN GILBERT AND ELICE ISLANDS  
GO GLORIOSO ISLANDS  
GP GUADELOUPE  
GQ GUAM  
GR GREECE  
GS GILBERT ISLANDS  
GT GUATEMALA  
GV GUINEA

**Country Codes**  
**(Alphabetical by Code)**

Code	Geopolitical Entity
------	---------------------

GY GUYANA  
GZ GAZA STRIP  
HA HAITI  
HK HONG KONG  
HM HEARD ISLAND AND MCDONALD ISLANDS  
HO HONDURAS  
HQ HOWLAND ISLAND  
HR CROATIA  
HU HUNGARY  
IC ICELAND  
ID INDONESIA  
IM ISLE OF MAN  
IN INDIA  
IO BRITISH INDIAN OCEAN TERRITORY  
IP CLIPPERTON ISLAND  
IQ US MISCELLANEOUS PACIFIC ISLANDS  
IR IRAN  
IS ISRAEL  
IT ITALY  
IU ISRAEL-SYRIA DEMILITARIZED ZONE  
IV COTE D'IVOIRE  
IW ISRAEL-JORDAN DEMILITARIZED ZONE  
IY IRAQ-SAUDI ARABIA NEUTRAL ZONE  
IZ IRAQ  
JA JAPAN  
JE JERSEY  
JM JAMAICA  
JN JAN MAYEN  
JO JORDAN  
JQ JOHNSTON ISLAND  
JS SVALBARD AND JAN MAYEN  
JU JUAN DE NOVA ISLAND  
KE KENYA  
KG KYRGYZSTAN  
KN NORTH KOREA  
KR KIRIBATI  
KS SOUTH KOREA  
KT CHRISTMAS ISLAND  
KU KUWAIT  
KZ KAZAKHSTAN  
LA LAOS  
LE LEBANON  
LG LATVIA  
LH LITHUANIA  
LI LIBERIA  
LO SLOVAKIA  
LQ PALMYRA ATOLL  
LS LIECHTENSTEIN  
LT LESOTHO  
LU LUXEMBOURG  
LY LIBYA  
MA MADAGASCAR  
MB MARTINIQUE  
MC MACAU

**Country Codes**  
**(Alphabetical by Code)**

Code	Geopolitical Entity
------	---------------------

MD MOLDOVA  
ME SPANISH NORTH AFRICA  
MF MAYOTTE  
MG MONGOLIA  
MH MONTSERRAT  
MI MALAWI  
MK MACEDONIA, F.Y.R.O.  
ML MALI  
MN MONACO  
MO MOROCCO  
MP MAURITIUS  
MQ MIDWAY ISLAND  
MR MAURITANIA  
MT MALTA  
MU OMAN  
MV MALDIVES  
MX MEXICO  
MY MALAYSIA  
MZ MOZAMBIQUE  
NA NETHERLANDS ANTILLES  
NC NEW CALEDONIA  
NE NIUE  
NF NORFOLK ISLAND  
NG NIGER  
NH VANUATU  
NI NIGERIA  
NL NETHERLANDS  
NO NORWAY  
NP NEPAL  
NR NAURU  
NS SURINAME  
NT NETHERLANDS ANTILLES  
NU NICARAGUA  
NZ NEW ZEALAND  
PA PARAGUAY  
PC PITCAIRN ISLAND  
PE PERU  
PF PARACEL ISLANDS  
PG SPRATLY ISLANDS  
PK PAKISTAN  
PL POLAND  
PM PANAMA  
PN PANAMA  
PO PORTUGAL  
PP PAPUA NEW GUINEA  
PQ PANAMA CANAL ZONE  
PS PALAU  
PT TIMOR  
PU GUINEA-BISSAU  
QA QATAR  
RE REUNION  
RH SOUTHERN RHODESIA  
RM MARSHALL ISLANDS  
RO ROMANIA

**Country Codes**  
**(Alphabetical by Code)**

Code	Geopolitical Entity
------	---------------------

RP PHILIPPINES  
RQ PUERTO RICO  
RS RUSSIA  
RW RWANDA  
SA SAUDI ARABIA  
SB SAINT PIERRE AND MIQUELON  
SC SAINT KITTS AND NEVIS  
SE SEYCHELLES  
SF SOUTH AFRICA  
SG SENEGAL  
SH SAINT HELENA  
SI SLOVENIA  
SK SIKKIM  
SL SIERRA LEONE  
SM SAN MARINO  
SN SINGAPORE  
SO SOMALIA  
SP SPAIN  
SQ SWAN ISLANDS  
SS SPANISH SAHARA  
ST SAINT LUCIA  
SU SUDAN  
SV SVALBARD  
SW SWEDEN  
SX SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS  
SY SYRIA  
SZ SWITZERLAND  
TC UNITED ARAB EMIRATES  
TD TRINIDAD AND TOBAGO  
TE TROMELIN ISLAND  
TH THAILAND  
TI TAJIKISTAN  
TK TURKS AND CAICOS ISLANDS  
TL TOKELAU  
TN TONGA  
TO TOGO  
TP SAO TOME AND PRINCIPE  
TQ TRUST TERRITORY OF THE PACIFIC ISLANDS  
TS TUNISIA  
TT EAST TIMOR  
TU TURKEY  
TV TUVALU  
TW TAIWAN  
TX TURKMENISTAN  
TZ TANZANIA  
UG UGANDA  
UK UNITED KINGDOM  
UP UKRAINE  
UR UNION OF SOVIET SOCIALIST REPUBLICS  
US UNITED STATES  
UV BURKINA FASO  
UY URUGUAY  
UZ UZBEKISTAN  
VC SAINT VINCENT AND THE GRENADINES

**Country Codes**  
**(Alphabetical by Code)**

Code	Geopolitical Entity
------	---------------------

VE	VENEZUELA
VI	BRITISH VIRGIN ISLANDS
VM	VIETNAM
VN	NORTH VIETNAM
VQ	UNITED STATES VIRGIN ISLANDS
VS	SOUTH VIETNAM
VT	HOLY SEE (VATICAN CITY)
WA	NAMIBIA
WB	WEST BERLIN
WE	WEST BANK
WF	WALLIS AND FUTUNA
WI	WESTERN SAHARA
WQ	WAKE ISLAND
WS	SAMOA
WZ	SWAZILAND
YE	YEMEN (SANA'A)
YI	YUGOSLAVIA
YM	YEMEN
YO	YUGOSLAVIA
YQ	RYUKYU ISLANDS, SOUTHERN
YS	YEMEN (ADEN)
ZA	ZAMBIA
ZI	ZIMBABWE

**TECHNICAL APPENDIX FROM**

**VITAL STATISTICS OF  
THE UNITED STATES**

**2004**

**NATALITY**

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

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

Hyattsville, Maryland: September 2006 Version 9-12-06

## ACKNOWLEDGMENTS

The technical appendix preparation was coordinated by Sharon Kirmeyer in the Division of Vital Statistics (DVS) under the general direction of Joyce A. Martin, Lead Statistician, Reproductive Statistics Branch (RSB), DVS, and Stephanie J. Ventura, Chief of the Reproductive Statistics Branch. The vital statistics computer file on which it is based was prepared by DVS staff.

The Division of Vital Statistics, Charles J. Rothwell, Director, and James A. Weed, Deputy Director, managed the Vital Statistics Cooperative Program, through which the vital registration offices of all states, the District of Columbia, New York City, Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands provided the data to the National Center for Health Statistics (NCHS). This Division also processed computer edits, designed and programmed the tabulations, reviewed the data, prepared documentation for this publication, and was responsible for receipt and processing of the basic data file. The following management staff provided overall direction: Rajesh Virkar, Nicholas F. Pace, and Delton Atkinson. Important contributors were Judy M. Barnes, Faye Cavalchire, Candace Cosgrove, Connie M. Gentry, Brenda A. Green, Bonita Gross, Brady E. Hamilton, Kathy B. Holiday, Christina K. Jarman, Millie B. Johnson, David W. Justice, Virginia J. Justice, Julia L. Kowaleski, Kryn Krautheim, Annie Liu, Marian MacDorman, T.J. Mathews, Susan L. McBroom, Fay Menacker, Jaleh Mousavi, Martha Munson, Yashu Patel, Adrienne L. Rouse, Jordan Sacks, Manju Sharma, Steven Steimel, Pam Stephenson, Charles Sirc, Paul Sutton, George C. Tolson, James G. Williams, Jiaquan Xu and Serguey Yagodin. Thomas D. Dunn reviewed and verified the report. Senior Editor was Demarius Miller.

NCHS acknowledges the essential role of the vital registration offices of all states and territories in maintaining the system through which vital statistics data are obtained and their cooperation in providing the information on which this publication is based.

For a list of reports published by the National Center for Health Statistics, contact:

Information Dissemination Branch  
National Center for Health Statistics  
Centers for Disease Control and Prevention  
3311 Toledo Road, Room 5420  
Hyattsville, MD 20782  
(301) 458-4636  
Internet: [www.cdc.gov/nchs](http://www.cdc.gov/nchs)

## **Table of Contents**

Introduction	7
Definition of Live Birth	7
History of Birth-Registration Area	8
Sources of Data	8
Nativity statistics	8
Standard certificates of live birth	9
1989 revision	9
2003 revision	9
The 2004 Natality Data File	11
Occurrence and residence	12
Geographic classification	13
Demographic Characteristics	13
Hispanic origin, race and national origin	13
Age of mother	17
Age of father	19
Live birth order and parity	19
Marital Status	20
Educational attainment	21
Maternal and Infant Characteristics	22
Weight gain during pregnancy	22
Pregnancy risk factors	23
Tobacco use during pregnancy	23
Alcohol use during pregnancy	24
Prenatal care	24
Obstetric procedures	25
Characteristics of labor and/or delivery	26
Place of delivery and attendant at birth	27
Method of Delivery	27

Period of gestation	28
Birthweight	30
Apgar score	31
Plurality	31
Abnormal conditions of the newborn	32
Congenital anomalies of child	32
<b>Quality of Data</b>	<b>33</b>
Completeness of registration	33
Completeness of reporting	33
Quality control procedures	33
<b>Computation of Rates and Other Measures</b>	<b>34</b>
Population bases	34
Cohort fertility tables	37
Total fertility rates	38
Seasonal adjustment of rates	38
Computation of percentages, percentage distributions, and means	38
<b>Computation of measures of variability</b>	<b>38</b>
Random variation and significance testing for natality data	38
Random variation and significance testing for population subgroups	48
<b>References</b>	<b>53</b>

## **Figure**

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

4-B. U.S. Standard Certificate of Live Birth: 2003 Revision

## **Text Tables**

- A. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004
- 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, 2004
- 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,  $B$
- D. Sources for the resident population and population including Armed Forces abroad: Birth-and death-registration states, 1900–1932, and United States, 1900–2004
- E. Percentage net undercount, by age, sex, and race/Hispanic origin: United States, April 1, 2000

## **Population Tables**

- 4-1. Population of birth-and death-registration states, 1900–1932, and United States, 1900–2004
- 4-2. Estimated total population by race and estimated female population by age and race: United States, 2004
- 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, 2004
- 4-4. Estimated total population and female population aged 15–44 years: United States, each state, and territory, July 1, 2004

## **Introduction**

This Technical Appendix, published by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS), is reprinted from "Vital Statistics of the United States, 2004, Volume I, Natality" [1]. Reference will be made to the "1999 Technical Appendix" for historical context and a more lengthy discussion of some variables, as well as the quality and completeness of the birth data [2]. This report supplements the "Technical Notes" section of "Births: Final data for 2004" [3] and is recommended for use with the public-use file for 2004 births, available on CD-ROM from NCHS [4], and the tabulated data of "Vital Statistics of the United States, 2004 Volume I, Natality" [1], in addition to the Internet publication of tables for variables not included in the 2004 natality report.

## **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 [5]. A slightly expanded definition of live birth was recommended by the 1992 revision of the Model State Vital Statistics Act and Regulations [6], based on recommendations of a 1988 working group formed by the American Academy of Pediatrics and the American College of Obstetricians and Gynecologists [7] and is consistent with that currently used by the WHO in the ICD-10 [8] and the United Nations:

"Live birth" means the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, 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. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

This definition distinguishes in precise terms a live birth from a fetal death [9,10]. Forty-eight registration areas use definitions of live births similar to this definition; five areas use a shortened definition; four have no formal definition of live birth. [9]. All states require the reporting of live births regardless of length of gestation or birth weight.

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

Currently the birth-registration system of the United States includes 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, 11].

## **Sources of Data**

### **Nativity statistics**

Since 1985, nativity 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 consisting of individual records processed by the states, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, American Samoa, and the Northern Marianas. NCHS receives these files from the registration offices of all states, the two cities and four territories through the Vital Statistics Cooperative Program. Information for Guam is obtained from paper copies of original birth certificates which is coded and keyed by NCHS. Data from American Samoa first became available in 1997; data from the Northern Marianas in 1998.

U.S. nativity 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 the nativity file. Data for Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern

Marianas are limited to births registered in these areas.

### **Standard certificates of live birth**

The U.S. Standard Certificate of Live Birth, issued by the U.S. Department of Health and Human Services, has served for many years as the principal means for attaining uniformity in the content of the documents used to collect information on births in the United States. Every 10-15 years, the U.S. Standard Certificate of Live Birth is revised. Most state certificates conform closely in content to the standard certificate, but are modified to the extent required by the particular state's needs or by special provisions of the state's vital statistics law.

*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, 11].

*2003 revision* — In 2003, a revised U.S. Standard Certificate of Live Birth was adopted, with initial implementation in two states (Pennsylvania and Washington). Five states, Idaho, Kentucky, New York (excluding New York City), South Carolina, and Tennessee implemented the revised birth certificate as of January 1, 2004. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven states which revised as of January 1, 2004 represent 14 percent of all 2004 births. Full implementation in all states of the revised certificate will be phased in over several years. There are numerous new items on the 2003 certificate and modifications of old items. Examples of modified items include multiple race, educational attainment, smoking during pregnancy, and prenatal care. A few examples of new checkbox categories for old items are infertility treatment, NICU admission, and trial of labor prior to a cesarean delivery. The process of the 2003 revision and the revision contents are described elsewhere. [12,13].

A key aspect of the 2003 Revision of the United States Standard Certificate has been the re-engineering of the data collection and transmission system. The intent of the re-engineering is to improve data quality, speed of data collection and transmission, and to enhance standardization of data [14]. To encourage collection of data from the best sources, two worksheets have been developed: the Mother's Worksheet and the Facility Worksheet. In the Mother's Worksheet, data are directly obtained from the mother and include such data as race, Hispanic origin, educational attainment, etc. In the Facility Worksheet, data are obtained directly from medical records of the mother and infant for items such as date of last normal menses, risk factors, method of delivery, etc. To assist hospital staff in completing the Facility Worksheet, a comprehensive instruction manual was developed: *Guide to Completing the Facility Worksheets for the Certificate of Live Birth and Report of Fetal Death (2003 Revision)* [15].

*The medical and health check boxes --* Both the 1989 and 2003 Standard Certificates of Live Birth use a checkbox format for collecting much of the medical and health information available on the birth certificate. This information includes items on pregnancy/medical risk factors, method of delivery, obstetric procedures, characteristics of labor and/or delivery, abnormal conditions of the newborn, and congenital anomalies of the child. However, a number of individual checkbox items included on the 1989 certificate were dropped from the revised certificate in 2003 (such as Rh sensitization, incompetent cervix, and amniocentesis). In addition, specifications for some check box items were modified for the 2003 revision resulting in data which are not comparable across revisions (for example: premature rupture of membranes and prolonged labor.) See table A and 2004 file documentation for reporting areas [4].

The report "Births: Final Data for 2004" includes items which are reported in both the 1989 and the 2003 Standard Certificate of Live Birth. Data items exclusive to either the 1989 (e.g. maternal anemia, ultrasound, and alcohol use) or the 2003 birth certificate revision (e.g. such as the use of infertility treatment and NICU admission) are not shown. Supplemental 2004 tables for data exclusive to the 1989 Revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)). A forthcoming report will present selected information exclusive to the 2003 Revision.

## The 2004 Natality Data File

The 2004 data file includes data items which are comparable between the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth. The file also includes all data which are exclusive to the 1989 revision, such as febrile infant and cord prolapse. Additionally, the 2004 file also includes new checkbox response categories for selected items, such as number of previous cesarean deliveries and surfactants to newborn. Certain new data items exclusive to the 2003 revised certificate are not available on the file:

- |   |   |
|---|---|
| - date of last prenatal care visit              | - matching number for plural births             |
| - 10-minute Apgar score                         | - source of payment for delivery                |
| - mother's height                               | - WIC food receipt                              |
| - infections present (5 items)                  | - maternal morbidity (7 items)                  |
| - whether infant was alive at time<br>of report | - whether infant was breastfed at<br>discharge. |

The 1989 certificate was used in 41 states, the District of Columbia and the territories for *all* of 2004. Seven states used the 2003 certificate throughout the 2004 data year: Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee and Washington. Florida used the 1989 revision during January and February, 2004; New Hampshire used the 1989 revision until July 19; starting March 1, Florida implemented the 2003 revision; New Hampshire did so on July 20.

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 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 characteristics of live births are set forth in two NCHS manuals [16, 17]. The instruction materials are for states to use in coding the data items; they do not include NCHS recodes. Therefore, the file layout [4] is a better source of information on the code structure because it provides the exact codes, recodes and reporting flags 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.

### **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 2004.

*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 underestimate the number of births to residents of other areas [18]. Recent experience suggests 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 the 2004 file is given in two manuals, “Vital Records Geographic Classification, 2003,” and “Vital Records Geographic Classification, 2004. Federal Information Processing Standards (FIPS).” *NCHS Instruction Manual, Part 8*, [17] and [19]. The geographic code structure on the 2004 file is based on results of the 2000 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 non-metropolitan 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.

## **Demographic Characteristics**

### **Hispanic origin, and race**

*Hispanic origin*—Hispanic origin and race are reported separately on the birth certificate. Data for Hispanic subgroups are shown in most cases for five specific groups: Mexican, Puerto Rican, Cuban, Central and South American, and “other and unknown 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 in 2004 are reported as white as in previous years. 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 that include Hispanic origin, 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.

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 [3]. Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. In addition, Florida (for births occurring from March 1, 2004 only), Idaho, Kentucky, New Hampshire (for births occurring as of July 19, 2004 only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, permitted respondents to select one or more Hispanic origin categories [Figure 4-B]. Minnesota, which used the 1989 revised certificate, also allowed reporting of multiple Hispanic groups. These 10 revised states accounted for 13 percent of Hispanic births in the United States in 2004. The percentage of records for which Hispanic origin of the parents was not reported in 2004 is shown by state in table A.

The new Hispanic origin question asks that the respondent "check the box that best describes whether the mother or father is Spanish/Hispanic/Latina/o." Although only one response is asked for, multiple responses to this item are sometimes given. Therefore, the electronic State birth registration systems are designed to capture multiple responses to this item. If more than one box is checked, or if there is a literal entry and one or more boxes checked, the code for "Multiple Hispanic" is applied. These records are classified as "Other Hispanic" in NCHS data. The percentage of Hispanic mothers in the 10 revised states reporting more than one Hispanic origin group was 1.5 percent in 2004.

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 [20] to the extent that the births with Hispanic origin of mother not stated (0.8 percent in 2004) were actually to Hispanic mothers. The population with origin not stated was imputed. The effect on the rates is believed to be small.

*Single, Multiple and “Bridged” race of mother and father*—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” [21, 22, 23]. These documents specify guidelines for collection, tabulation, and presentation of race and ethnicity data within the Federal statistical system. The 1997 revised standards incorporated two major changes designed to reflect the changing racial profile 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 1977 standards required Federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native (AIAN), Asian or Pacific Islander (API), Black, and White. 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. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. 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 1997 revised standards. 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 all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see “Population denominators”). In order to compute rates, it is necessary to “bridge” population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of “bridged” populations can be discontinued.

For the 2004 data year, multiple-race was reported by Florida (for births occurring from March 1, 2004 only), Idaho, Kentucky, New Hampshire (for births occurring from

July 19, 2004 only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as by California, Hawaii, Michigan (for births at selected facilities only), Minnesota, Ohio, and Utah, which used the 1989 revision of the U.S. Standard Certificate of Live Birth. These 15 states, which account for 43.0 percent of U.S. births in 2004, reported 1.8 percent of mothers as multiracial, with levels varying from 0.5 percent (New Hampshire) to 34.4 percent (Hawaii). Data from the vital records of the remaining 35 states and the District of Columbia followed the 1977 OMB standards in which a single race is reported [21]. In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards [21], compared with the minimum of five races for the 1997 [22] standards.

In order to provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to “bridge” the responses of those who reported more than one race to a single-race. The bridging procedure for multiple-race mothers and fathers is based on the procedure used to bridge the multiracial population estimates (see “Population denominators”) [23, 24]. Multiple-race is imputed to a single race (one of the following: AIAN, API, Black, or White) according to the combination of races, Hispanic origin, sex, and age indicated on the birth certificate of the mother or father. The imputation procedure is described in detail elsewhere [25, 26].

As noted previously, the bridging procedure imputes multiple-race of mothers to one of the four minimum races stipulated in the 1977 OMB standards, that is, AIAN, API, Black, or White. Mothers of a specified Asian or Pacific Islander subgroup (that is, Chinese, Japanese, Hawaiian, or Filipino) in combination with another race (that is, AIAN, Black, and/or White) or another API subgroup cannot be imputed to a single API subgroup. API mothers are disproportionately represented in the 15 states reporting multiple-race (54.8 percent in 2004.) For both reports: “Births: Final Data for 2003” and “Births: Final Data for 2004”, data are not shown for the specified API subgroups because the bridging technique cannot be applied in this detail [3, 23, 24]. However, data for the API subgroups, reported alone or in combination with other races and/or API subgroups, are available in the 2004 natality public-use data file. A forthcoming [27]

report describes characteristics of births in 2003 to single and multiple-race women

Race of mother is reported by 35 states and the District of Columbia in at least eight single-race categories: White, Black, American Indian or Alaska Native, Chinese, Japanese, Hawaiian, Filipino, and “other Asian or Pacific Islander” (API). Of these, six states (Illinois, Missouri, New Jersey, Texas, Virginia, and West Virginia) report data on the expanded API subgroups included in the “other API category” (Asian Indian, Korean, Samoan, Vietnamese, Guamanian, and remaining API). Finally, the fifteen states which report multiple-race data (California, Hawaii, Ohio, Pennsylvania, Utah, and Washington) report a minimum of fourteen categories (White, Black, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Hawaiian, Guamanian, Samoan, and other Pacific Islander). For this report, as discussed above, the multiple-race combinations (for example, White and AIAN or Black and Chinese) were bridged to one of four broad categories (bridged White, bridged Black, bridged AIAN, and bridged API). Detailed data on race (single or multiple) as reported in these 15 states are available from the 2004 natality public use file.

In 2004, race of mother was not reported for 0.9 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 0.7 percent of births in 2004.

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. The reasons for this change are summarized in the 1999 Technical Appendix [2]. Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

### **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 2004 age of mother was reported directly by four states (Nevada, North Dakota, Virginia, and Wyoming) and American Samoa.

From 1964 to 1996, 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 older 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 [2].

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 confirmed by showing a high degree of consistency in reporting age in these two sources [28]. 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 [29].

*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 are shown in table 1-5 of “Vital Statistics of the

United States, 2001, Volume 1, Natality” [30], which is available on the Internet at:

<http://www.cdc.gov/nchs/datawh/statab/unpubd/nativity/natab2001.htm>

*Not stated age or date of birth of mother*— In 2004, age of mother was not reported on 0.02 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 *NCHS Instruction Manual*, Part 12, page 9) [31]. 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 on 13.6 percent of the birth certificates in 2004, 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. 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 2004 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, 14, 31].

*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.

### **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. For the other states, marital status is inferred from information on the birth certificate. Beginning in 1997, the marital status of women giving birth in California and Nevada was determined by a direct question in the birth registration process. New York City also changed its procedures for inferring marital status in 1997. 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 2004, a birth is inferred as nonmarital if either of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of states have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment, therefore, is the most reliable indicator that the birth is nonmarital in the states not reporting this information directly; this is now the key indicator in the nonreporting states. Details of the changes in reporting procedures and the impact of the procedures on the data are described in previous reports [32, 33].

The mother's marital status was not reported in 2004 on 0.04 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 for these records. If status was unknown and the father's age was known, then the mother was considered married. If the status was unknown, and the father's age unknown, then the mother was considered unmarried. This represents a change from the procedures in effect for 2002 and previous years. Prior to 2003, marital status for records with marital status not reported was imputed as "married." Because of the small number of records affected (2,216 births in 2004), the change in imputation procedures had essentially no impact on measures of nonmarital births.

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.

### **Educational attainment**

Information on educational attainment is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard Certificate of Live Birth (unrevised). However, the format of the education item on the revised standard certificate substantively differs from that of the unrevised standard certificate.

The 2003 Certificate item asks for the highest degree or level of school completed at the time of the birth (e.g., high school diploma, some college credit but no degree, bachelor degree, etc.). By contrast, the 1989 Certificate asks for the highest grade of school completed by the mother. 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 or level. 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

In sum, education data for the states that have implemented the revised certificates are not directly comparable with the data for the states that are not yet using the revised certificate. For 2004, unrevised data are available for 41 states, New York City and the District of Columbia and part of the year for Florida and New Hampshire. Revised data are available for all of 2004 for 7 states (Idaho, Kentucky, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington) and part of the year for Florida and New Hampshire.

“Births: Final Data for 2004,” provides separate tabulations for the revised and unrevised educational attainment items; see table D. Table A of this Appendix indicates that education was not stated in 2.0 percent of the unrevised states; among the revised states, levels ranged from 0.8 to 7.5%.

Data on educational attainment are currently available only for the mother [2]. Beginning in 1995, NCHS discontinued collecting information on the educational attainment of the father.

## **Maternal and Infant Health Characteristics**

### **Weight gain during pregnancy**

Information on maternal weight gain is available from both the 1989 (unrevised) and the 2003 (revised) Standard Certificate of Live Birth. However, the item was modified. The unrevised question asks for “weight gained during pregnancy \_\_\_\_ lbs.”, compared with the revised question, which asks for the pre-pregnancy weight of the mother and her weight at delivery.

In the 2004 file, unrevised data are available through the data year for 40 states, New York City, and the District of Columbia, while revised data are available for 7 states. Two states which had mid-year revisions, reported both revised and unrevised data. California did not report weight gain information.

The data from the revised certificate were combined with the data based on the 1989 revision to produce tabulations shown in tables 22 and 23 of the report “Birth: Final Data 2004” [3].

Weight gain in pregnancy is reported in pounds. A reported loss of weight is recorded as zero gain.

### **Pregnancy risk factors**

Both the 2003 and 1989 certificates collect pregnancy risk information in the check box format. Ten medical risks which can affect pregnancy outcome are separately identified on the 2003 Standard Certificate of Live Birth (revised); sixteen on the 1989 Standard Certificate of Live Birth (unrevised). 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.

Four risk factors are comparable between certificates: diabetes, chronic hypertension, gestational hypertension, and eclampsia. Selected risk factors are shown in tables 23 to 25 of the report “Births: Final Data for 2004” [3]. Supplemental 2004 tables for risk factor data exclusive to the 1989 Revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)); a forthcoming report will present risk factor information exclusive to the 2003 Revision.

The percent of birth records in which pregnancy risk factor items were not stated was 0.4. Definitions for revised and unrevised items are available elsewhere [3, 15].

### **Tobacco use during pregnancy**

Information on smoking during pregnancy was reported on both the 2003 Certificate of Live Birth (revised) and the 1989 Certificate of Live Birth (unrevised). The format of the tobacco use item differs between certificates. Briefly stated, the 1989 revision asks a simple “yes/no” question on tobacco use during pregnancy and the average number of cigarettes per day with no specificity on timing during the pregnancy. In contrast, the 2003 revision asks for number of cigarettes smoked at different intervals before and during the pregnancy. If the mother reported smoking in any of the three trimesters of pregnancy she was recorded as a smoker.

In the file, for 40 States, New York City, and the District of Columbia, smoking status was based on the 1989 U.S. Standard Certificate (unrevised), while data for 6 states are drawn from the 2003 revision of the birth certificate (revised). Florida had a unique smoking use question in its 2003 revision which differed from both the standard revised

and unrevised version; resulting data were not comparable to either version. Florida used the standard 1989 revision question during January and February, 2004; New Hampshire used the 1989 revision until July 19; starting March 1, Florida implemented its own revised question; New Hampshire implemented the standard revised tobacco use question on July 20. California did not report tobacco use in 2004.

The births occurring where the unrevised question was used accounted for 67 percent of US births in 2004. The overall percent of birth records where tobacco use was not stated for the unrevised item was 1.1 percent.

In the report, Births: Final Data for 2004” [3] data are shown separately in table E for the areas using the unrevised certificate and for the areas using the revised certificate.

### **Alcohol use during pregnancy**

Data on alcohol use are not collected in the 2003 Standard Certificate of Live Birth. Data on alcohol use during pregnancy from the 1989 Standard Certificate are available for 40 states for the full data year of 2004 and the initial months of 2004 for Florida and New Hampshire. Alcohol use data are not collected on California’s birth certificate. Supplemental 2004 tables for data exclusive to the 1989 Revision, including alcohol use during pregnancy, are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)).

Alcohol use during pregnancy is a major, independent risk factor and it is implicated as well in delayed infant and child development [34, 35]. Unfortunately, alcohol use is substantially underreported on the birth certificate, compared with data collected in nationally representative surveys of pregnant women. The birth certificate question on alcohol use from the 1989 revision is evidently not sensitive enough to measure this behavior accurately. The question’s wording as well as the lack of specific time reference for the birth certificate questions are probable factors contributing to the underreporting. In addition, the stigma of maternal alcohol use likely contributes to the underreporting [36, 37].

### **Prenatal care**

Information on the timing of prenatal care is available for both the revised and unrevised Certificates of Live Birth. However, the 2003 revision of the birth certificate introduced substantive changes in item wording and also to the sources of prenatal

information. The wording of the prenatal care item was modified to “Date of first prenatal visit” from “Month prenatal care began.” In addition, the 2003 revision process resulted in recommendations that the prenatal care information be gathered from the prenatal care or medical records, whereas the 1989 revision did not recommend a source for these data. Accordingly, prenatal care data for the two revisions are not directly comparable.

For the complete data year 2004, unrevised data on prenatal care are available for 41 states, New York City and the District of Columbia. Revised data for 7 states (Idaho, Kentucky, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington) are available for all of 2004. Florida and New Hampshire implemented the revised certificate after January 1, 2004.

As noted above, the revised prenatal care item is substantively different from the unrevised question. One result is that levels of utilization of prenatal care based on revised data are substantially lower than those based on unrevised data. For example, unrevised 2003 data for Kentucky indicate that 87.0 of residents began care in the first trimester of pregnancy in 2003. This compares with a level of 74.5 percent based on 2004 revised data. Much, if not all of the difference between 2003 and 2004 for Kentucky and other revised states, is related to changes in reporting and *not* to changes in prenatal care utilization. Prenatal care utilization results are shown separately according to the two revisions in tables E, 26(a) and 26(b) of the report “Birth: Final Data for 2004” [3].

The 2004 natality data file includes a variable, The Adequacy of Prenatal Care Utilization Index (APNCU). The APNCU is an alternative measure of prenatal care timing which takes into account the number of prenatal care visits and gestational age of the newborn at delivery [38, 39]. The index in the file is a 4 point scale ranging from “inadequate” to “adequate plus care”. See table G of the report “Birth: Final Data for 2004” [3].

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.

## **Obstetric procedures**

The 2003 Standard Certificate of Live Birth (revised) includes three specific check boxes for obstetric procedures; the 1989 certificate includes six procedures. Both certificates have a format which permits the selection of multiple procedures. Birth records with “Obstetric procedures” left blank are considered “not stated.” Definitions for the unrevised procedures are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association for Public Health Statistics and Information Systems (NAPHSIS) [3]. Definitions for the revised items are included in the detailed facility worksheet guidebook for the 2003 revised certificate only [15]. Reporting areas and reporting completeness for obstetric procedures are indicated in table A of this Appendix.

Tables H and 25 of the report: “Births: Final Data for 2004” [3] provide data for the two procedures comparable to both certificates – tocolysis and induction of labor. Supplemental 2004 tables for obstetric procedures exclusive to the 1989 Revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)). A forthcoming report will present selected obstetric procedure tables exclusive to the 2003 Revision.

## **Characteristics of labor and of delivery**

The 2003 Standard Certificate of Live Birth (revised) includes nine specific check boxes for characteristics of labor and delivery; fifteen characteristics are reported on the 1989 (unrevised) certificate. Both certificates have a format which allows for the reporting of more than one characteristic and includes a choice of “none”. Birth records with “characteristics” left blank are considered “not stated.” Three characteristics: precipitous labor, breech position, and meconium staining are comparable between the two certificates. The percent of records on which labor and delivery items were not stated and notes on reporting areas are found in table A.

The complication rates for selected labor/delivery characteristics and their respective reporting areas are given in table 25 in the report “Birth: Final Data for 2004” [3]. Supplemental 2004 tables for characteristics of labor and delivery exclusive to the 1989 revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)). A forthcoming report will present selected labor and delivery information exclusive to the 2003 revision.

Definitions for revised and unrevised items are available elsewhere [3, 15].

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

Both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth include separate categories for hospitals, freestanding birthing centers, residence, and clinic or doctor's office as the place of birth. In addition, the 2003 certificate queries whether the home birth was planned to be a home delivery.

For both the revised and unrevised certificates, four professional categories of attendants are medical doctors, doctors of osteopathy, certified nurse midwives, and other midwives. Procedures in some hospitals may require that a physician be listed as the attendant for every birth and that a physician sign each birth certificate, even if the birth is attended by a midwife and no physician is physically present. Therefore, the number of live births attended by midwives may be understated.

Additional information on births occurring outside of hospitals, and on birth attendants can be found elsewhere [2].

Tabulations of place of birth and birth attendant are found in table 27 of the report: "Births Final Data for 2004" [3].

### **Method of delivery**

Information on the method of delivery is collected on both the 2003 Standard Certificate of Live Birth (revised) and the 1989 Standard Certificate of Live Birth (unrevised). However, the 2003 revised item is substantially modified from the 1989 item. The 1989 certificate includes, among others, direct questions on vaginal birth after previous cesarean section (VBAC), and primary or repeat cesarean delivery. In contrast, the revised certificate includes a direct question on previous cesarean delivery; whether the delivery was a primary cesarean or was a VBAC must be derived from a question on previous cesarean deliveries under the separate item "Risk Factors in this Pregnancy".

Despite substantive changes to the method of delivery item, the total numbers and percents of vaginal and cesarean deliveries appear to be very consistent between revisions. (See tables 28-30 from the report: "Birth: Final Data for 2004" [3]). However, information on whether the delivery is a VBAC, primary cesarean, or repeat cesarean appears to be less comparable. In brief, data for the revised states show higher- than-

expected VBAC and primary cesarean rates, and lower- than- expected repeat cesarean rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard certificate of live birth. The changes to the method of delivery item appear to have a small impact (2-3 percent) on the national primary and VBAC rates shown in the 2004 natality report [3]. Measures which incorporate these data to compare changes across revisions for individual states should be interpreted with caution.

Information on forceps and vacuum delivery are also available from both revisions of the birth certificate; these data appear to be comparable between revisions. The 2003 revision item was also expanded to include questions on whether attempted forceps or vacuum deliveries were successful, and whether a trial of labor was attempted prior to cesarean delivery. These and other new data on method of delivery are available on the 2004 file and will be presented in a forthcoming report.

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.

### **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. LMP measurement is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of post-conception bleeding, delayed ovulation, or intervening early miscarriage.

Births occurring before 37 completed weeks of gestation are considered to be preterm for purposes of classification. At 37–41 weeks gestation, births are considered to be term, and at 42 completed weeks and over, post-term. These distinctions are according

to the ICD-9 and ICD-10 [8] definitions. See tables 31 and 32 in the 2004 natality report.

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, 40]. But reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations. Changes in reporting of this measure over time have apparently affected trends in preterm birth rates, particularly by race [41].

The 1989 revision of the U.S. Standard Certificate of Live Birth includes an item, "Clinical estimate of gestation" (CE); in the 2003 revision of the certificate, the item is "Obstetric estimate of gestation" (OE) – see definitions [15]. Both measures are in completed weeks. The OE and the CE are 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 procedures are described in the NCHS instruction manuals, part 12, (see NCHS [31] for the 1989 revision; NCHS [42] for the 2003 revision). The clinical/obstetric estimate is reported by all areas except California for 2004.

The period of gestation for 5.9 percent of the births in 2004 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical/obstetric estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical/obstetric estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for 1,302 births or 0.04 percent of all birth records in 2004, significantly higher than for 2003. Despite these edits, substantial incongruities in these data persist; research is ongoing to address these data deficiencies. Gestational age data are shown in tables 31 and 32 of the report: "Births: Final Data for

2004.”

### **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 are consistent with the recommendations in the *International Classification of Diseases, Ninth Revision* (ICD–9) and the *International Classification of Diseases, Tenth Revision* (ICD–10) [8]. 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* [43]. Very low birthweight is defined as less than 1,500 grams.

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 birthweights are not reported are excluded from the computation of percentages. The panel that proposed the 2003 Revised Certificate recommended that birthweight be reported in grams rather than pounds for data entry [12].

Birthweight data are shown in tables 31, 32, 34–36 of the 2004 natality report [3].

### **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 2003 revised certificate asks for a 10 minute score if the 5 minute score was less than 6. The Apgar score is a 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 0 to 3 indicates an infant in need of resuscitation; a score of 4 to 6 is considered intermediate; a score of 7 or greater indicates that the neonate is in good to excellent physical condition.

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. California and Texas did not collect information on Apgar scores on their birth certificates. For 0.5 percent of the births in the reporting area, there were no Apgar scores reported. Five minute Apgar scores are given in Table L of the report: “Birth: Final Data for 2004” [3]. Revised data for the 10 minute score are not available in the 2004 file.

### **Plurality**

Comparable plurality data are reported in the 2003 and 1989 Standard Certificates of Live Birth. In this file, plurality is classified as single, twin, triplet, quadruplet, and quintuplet and higher order births. Each record in the natality file represents an individual birth. For example, a record coded as a twin represents one birth in a twin delivery. Pairs or sets of twins or higher order multiple births are not identified in this file. The Matched Multiple Birth File 1995-2000 [44] includes information on sets of twin, triplet and quadruplets, thus allowing for the analysis of characteristics of sets of births and fetal deaths in multiple deliveries.

Numbers and rates of births by plurality are given in tables 37 -- 39 of the report: “Birth: Final Data for 2004” [3]. Records for which plurality is unknown are imputed as singletons. This occurred for 0.003 percent of all records for 2004.

## **Abnormal conditions of the newborn**

Information on abnormal conditions of the newborn is obtained from the checkboxes on the 1989 and 2003 certificate revisions. There are seven specific abnormal conditions included on the 2003 revised birth certificate; eight are included on the 1989 certificate. 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.

There are no comparable abnormal conditions between the 1989 and 2003 certificate. However, both unrevised and revised items are included in the 2004 Natality Public Use File. Supplemental 2004 tables for abnormal conditions of the newborn exclusive to the 1989 Revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)). A forthcoming report will present selected abnormal conditions information exclusive to the 2003 Revision. Definitions are available elsewhere [3, 15]. For information on reporting areas and for percent of birth records with conditions not stated, see table A.

## **Congenital anomalies of the newborn**

Twelve specific anomalies or anomaly groups are collected on the 2003 Standard Certificate of Live Birth, 21 anomalies are collected on the 1989 Standard Certificate of Live Birth. The checkbox 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.

There are five congenital anomalies in common to the two revisions of the birth certificate: anencephalus, spina bifida/meningocele, omphalocele/gastroschisis, cleft lip/palate and Downs syndrome; see table 25 of the report “Births: Final Data for 2004” [3].

It is well documented that congenital anomalies, except for the most visible and most severe, are incompletely reported on birth certificates [45]. The completeness of reporting specific anomalies depends on how easily they are recognized in the short time between birth and birth-registration. For 1.2 of the birth records, there were incomplete check boxes for congenital anomalies.

Definitions for the revised and unrevised congenital anomalies are available elsewhere [3,15]. See table A for reporting areas and for percent of records for which data on congenital anomalies is not stated.

## **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**

It is estimated that more than 99 percent of all births occurring in the United States in 2004 were registered. These estimates are based on the results of a national 1964–68 test of birth-registration completeness according to place of delivery (in or out of hospital) and race (white and non-white). This test has not been conducted more recently. A detailed discussion of the method and results of the 1964–68 birth-registration test is available [46]. Information on procedures for adjusting births for under registration (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 2004 data for Alaska and the District of Columbia 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

reviews 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 the 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 follow-up. As necessary, registration areas are informed of differences encountered in the tables and asked to verify the counts or to determine the nature of the differences. Missing records (except those permanently voided) and other problems detected by NCHS are resolved, and corrections are transmitted to NCHS in the same manner as for those corrections identified by the registration area.

## **Computation of Rates and Other Measures**

### **Population bases**

*Estimation by age, sex, race and Hispanic origin*—Birth and fertility rates for 2004 shown in tables 1, 3–5, 7-9, 11, 14-15, 21, A, and B in the report: “Births: Final Data for 2004” [3] are computed using 2000 census-based post-censal (population) estimates as of July 1, 2004. These populations are shown in tables 4-2 and 4-3. The population estimates have been provided by the U.S. Census Bureau [47] and are based on the 2000 census counts by age, sex, race, and Hispanic origin, which have been modified to be consistent with Office of Management and Budget racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere [48].

Birth and fertility rates by state shown in table 10 of the report: “Births: Final Data for 2004” [3] use 2000 census-based state-level post-censal population estimates provided by the U.S. Census Bureau [47]. 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 16 of the 2004 natality final report [3] are based on monthly population estimates. Rates for unmarried women shown in tables 18 and 19 of the 2004 natality final report [3] are based on distributions of the population by marital status as of March 2004 as reported by the U.S. Census Bureau in the March Current Population Survey (CPS) [49], which have been adjusted to July 2004 population levels [47] by the Division of Vital Statistics, NCHS [3]. Birth and fertility rates for the Hispanic population, shown in tables 5, 7, 8, 9, and 15 of the 2004 natality final report [3], are based on estimates of the total Hispanic population as of July 1, 2004 [47]. Rates for Hispanic subgroups are based on special population estimates that are presented in table 4-3. Information about allocation to Hispanic subgroups is presented elsewhere [50].

The populations by race used in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are 2000 census-based post-censal estimates. 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 [22]. In addition, the 1997 OMB guidelines called for reporting of Asian persons separately from Native Hawaiians or other Pacific Islanders. In the 1977 OMB guidelines, data for Asian or Pacific Islander persons were collected as a single group [21]. Except for fifteen states, birth certificates currently report only one race for each parent in the categories specified in the 1977 OMB guidelines (see “Hispanic origin, race and national origin”). In addition, unrevised 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).

To produce birth and fertility rates for 2000 through 2004, it was necessary to “bridge” the population data for multiple race persons back to single race categories. In addition, the postcensal estimates 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 Asian or Pacific Islanders [51]. The procedures used to produce the “bridged” populations are described in separate publications [23,24]. In 2003, six states began reporting multiple race data; and in 2004,

15 states. Once all states revise their birth certificates to be compliant with the 1997 OMB standards, 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 [23, 47, 52, 53]. These intercensal population estimates for 1991–99 are based on the April 1, 2000 Census. The bridged rates for 1990 and 2000 are based on populations from the censuses in those years as of April 1.

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 [23]. 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. Additional information on the revised populations is available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

*Residential population base*— 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 residential population of the birth-and death-registration states for 1900–1932 and for the United States for 1900–2004 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].

*Small populations as denominators*— 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.

*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. 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 from the 2000 census-level population adjusted for the estimated age-specific census over- and undercounts, which are shown in table E.

### Cohort fertility tables

Various fertility measures 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 [54] has prepared a detailed description of the methods used in deriving these measures as well as more detailed data for earlier years. The series of cohort fertility tables are being revised to incorporate rates for black women and the revised intercensal population estimates of the 1990s. A publication is forthcoming.

*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:

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

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 rates**

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 is the same number of women in each age group. The rate of 2,045.5 in 2004, 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 2004, they would have a total of 2,046 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 [55]. 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 means**

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 means were computed. The percentage of records with missing information for each item is shown by state in table A. The mean age of mother is the arithmetic average of the age of mothers at the time of birth, computed directly from the frequency of births by age of mother. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

## **Computation of Measures of Variability**

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

This detailed discussion of random variation and significance testing for natality

data is similar to that in the “Technical Notes” of “Births: Final data for 2004” [3]. The number of births reported for an area is essentially a complete count, because more than 99 percent of all births are registered. Although this number is not subject to sampling error, it may be affected by nonsampling errors such as mistakes in recording the mother’s residence or age during the registration process.

When the number of births is used for analytic purposes (that is, for 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 [56]. 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 C that corresponds to the number  $B$

$U$  = the value in table C that corresponds to the number  $B$

### Example

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

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

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

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

*95-percent confidence limits for numbers of 100 or more* — When the number of events is greater than 100, the data are assumed to 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 40-44 years of age was

14,108. The 95-percent confidence limits for this number would be:

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

$$\begin{aligned}\text{Lower limit} &= 14,108 + (1.96 \times \sqrt{14,108}) \\ &= 14,108 + 233 \\ &= 14,341\end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to white women 40-44 years of age would fall 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, earlier discussion of population denominators in the section on "population bases".)

*95-percent confidence limits for rates based on fewer than 100 events* — As stated earlier, 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 an estimated 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 subgroups is above the minimum), the confidence interval for a rate can be estimated using the two formulas which follow and the values in table C.

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

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

where:

$R$  = birth rate

$L$  = the value in table C that corresponds to the number of events  $B$

$U$  = the value in table C that corresponds to the number of events  $B$

### Example

Suppose that the first birth rate for American Indian women 40-44 years of age was 0.50 per thousand, based on 47 births in the numerator. Using table C:

$$\begin{aligned}\text{Lower limit} &= 0.50 \times 0.73476 \\ &= 0.37\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 0.50 \times 1.32979 \\ &= 0.66\end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for American Indian women 40-44 years of age would be 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 40-44 years of age was 1.55 per thousand, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 1.55 - \left(1.96 \times \left(1.55 / \sqrt{14,108}\right)\right) \\ &= 1.55 - 0.026 \\ &= 1.52\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 1.55 + \left(1.96 \times \left(1.55 / \sqrt{14,108}\right)\right) \\ &= 1.55 + 0.026 \\ &= 1.58\end{aligned}$$

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

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

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

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:

$$\text{Lower limit} = p - \left( 1.96 \cdot \left( \sqrt{p \cdot q / B} \right) \right)$$

$$\text{Upper limit} = p + \left( 1.96 \cdot \left( \sqrt{p \cdot q / B} \right) \right)$$

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:

$$\begin{aligned}\text{Lower limit} &= 0.497 - \left( 1.96 \cdot \left( \sqrt{0.497 \cdot 0.503 / 29,682} \right) \right) \\ &= 0.497 - 0.006 \\ &= 0.491 \text{ or } 49.1 \text{ percent}\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 0.497 + \left( 1.96 \cdot \left( \sqrt{0.497 \cdot 0.503 / 29,682} \right) \right) \\ &= 0.497 + 0.006 \\ &= 0.503 \text{ or } 50.3 \text{ percent}\end{aligned}$$

This means that the chances are 95 out of 100 that the actual percent of births to unmarried Hispanic women in Arizona is between 49.1 and 50.3 percent.

*Significance testing when 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 indeed statistically significant.

#### Example

Suppose that the first birth rate for American Indian women 40-44 years of age 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 women 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 [57]. Thus, caution should be observed when interpreting a non-significant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

*Significance testing when 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 40-44 years of age (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is  $1.55 - 1.08 = 0.47$ . 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.  
*Significance 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.

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

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 divided by 100  
 $p_2$  = the second percent divided by 100

### 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.

### **Random variation and significance testing for population subgroups**

This section presents information relevant to Hispanic subgroups (or generally speaking, any subgroup of the population for which survey data has been used for estimation of the denominator.) Birth and fertility rates for Mexicans, Puerto Ricans, Cubans, and “Other” Hispanic subgroups for 2004 are shown in tables 5,6, 8, and 15 of 2004 natality final report [3] and in tables 1-4 and 1-12 of “Vital Statistics of the United States, 2004, Part 1, Natality” (in preparation). 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 [47, 50]. As a result, the rates are subject to the variability of the denominator as well as the numerator. For these Hispanic subgroups (but not for all origin, total Hispanic, total non-Hispanic, non-Hispanic white, or non-Hispanic black populations), the following formulas are used for testing statistical significance in trends and differences:

*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
- $f$  = the factor which depends on whether an entire or a sampled population (like one from a Current Population Survey – CPS) is used, and the span of years represented.  $f$  equals 0.670 for a single year
- $a$  and  $b$  of the example are single year averages of the 2002 and 2003 CPS standard error parameters [58, 59]
- $a$  = -0.000096
- $b$  = 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:

$$\begin{aligned}
 \text{Lower limit} &= 51.2 - 1.96 * 51.2 * \sqrt{\left(\frac{1}{13,088}\right) + 0.670 * \left[-0.000096 + \left(\frac{3,809}{255,399}\right)\right]} \\
 &= 51.2 - 1.96 * 51.2 * \sqrt{0.000076406 + (0.670 * 0.014914)} \\
 &= 51.2 - 1.96 * 51.2 * \sqrt{0.01000475} \\
 &= 51.2 - 1.96 * 51.2 * 0.100024 \\
 &= 41.16
 \end{aligned}$$

$$\begin{aligned}
 \text{Upper limit} &= 51.2 + 1.96 * 51.2 * \sqrt{\left(\frac{1}{13,088}\right) + 0.670 * \left[-0.000096 + \left(\frac{3,809}{255,399}\right)\right]} \\
 &= 51.2 + 1.96 * 51.2 * \sqrt{0.000076406 + (0.670 * 0.014914)} \\
 &= 51.2 + 1.96 * 51.2 * \sqrt{0.01000475} \\
 &= 51.2 + 1.96 * 51.2 * 0.100024 \\
 &= 61.24
 \end{aligned}$$

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 41.16 and 61.24.

*Approximate 95-percent confidence interval: less than 100 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,

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

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

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
- $f$  = the factor which depends on whether an entire or a sampled population (like one from a Current Population Survey – CPS) is used, and the span of years represented.  $f$  equals 0.670 for a 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 the rate is based

NOTE: In the formulas above, the confidence limits are estimated from the non-sampling 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.

#### 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:

$$\begin{aligned}
\text{Lower limit} &= 0.4 * 0.68419 * \left( 1 - 2.576 \sqrt{0.670 \left( -0.000096 + \left( \frac{3,809}{87,892} \right) \right)} \right) \\
&= 0.4 * 0.68419 * (1 - 2.576 \sqrt{0.028972}) \\
&= 0.4 * 0.68419 * (1 - (2.576 * 0.170211)) \\
&= 0.4 * 0.68419 * 0.561536 \\
&= 0.154
\end{aligned}$$

$$\begin{aligned}
\text{Upper limit} &= 0.4 * 1.41047 * \left( 1 + 2.576 \sqrt{0.670 \left( -0.000096 + \left( \frac{3,809}{87,892} \right) \right)} \right) \\
&= 0.4 * 1.41047 * (1 + 2.576 \sqrt{0.028972}) \\
&= 0.4 * 1.41047 * (1 + (2.576 * 0.170211)) \\
&= 0.4 * 1.41047 * 1.438464 \\
&= 0.812
\end{aligned}$$

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 0.15 and 0.81.

*Significance testing for 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 value given by the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

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

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:

$$\begin{aligned}
&= 1.96 * \sqrt{94.5^2 * \left[ \left( \frac{1}{97,744} \right) + 0.670 \left( -0.000096 + \frac{3,809}{1,033,878} \right) \right] + 61.4^2 * \left[ \left( \frac{1}{10,006} \right) + 0.670 \left( -0.000096 + \frac{3,809}{162,899} \right) \right]} \\
&= 1.96 * \sqrt{8930.25 * (0.000010231 + 0.670 * 0.003589) + 3769.96 * (0.00009994 + 0.670 * 0.023287)} \\
&= 1.96 * \sqrt{(8930.25 * 0.0024147) + (3769.96 * 0.015702)} \\
&= 1.96 * \sqrt{21.563 + 59.20} \\
&= 1.96 * 8.99 \\
&= 17.61
\end{aligned}$$

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

## References

1. National Center for Health Statistics. Vital statistics of the United States: 2004, volume I, Natality. Forthcoming on the Internet and CD-ROM from Hyattsville, Maryland: National Center for Health Statistics.
2. National Center for Health Statistics. Technical appendix. Vital statistics of the United States: 1999, vol I, natality. Available on the Internet at [www.cdc.gov/nchs/data/techap99.pdf](http://www.cdc.gov/nchs/data/techap99.pdf) and on CD-ROM from Hyattsville, Maryland: National Center for Health Statistics. 2001
3. Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Kirmeyer S. Births: Final data for 2004. National vital statistics reports; vol 55 no 1. Hyattsville, Maryland: National Center for Health Statistics. 2006.
4. National Center for Health Statistics. Natality 2004. Public use CD-ROM. Hyattsville, Maryland: National Center for Health Statistics. Annual product. 2006.
5. United Nations. Handbook of vital statistics. Studies in methods, series F, no. 7. New York: United Nations. 1955.
6. Centers for Disease Control and Prevention. Model State Vital Statistics Act and Regulations, 1992 Revision. Publication no. (PHS) 95-1115. Hyattsville, Maryland: National Center for Health Statistics. 1995.
7. American Academy of Pediatrics and American College of Obstetricians and Gynecologists. Guidelines for perinatal care, (2<sup>nd</sup> edition). Washington, DC. 308-24. 1988.
8. 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.
9. 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.
10. National Center for Health Statistics. Technical appendix. Vital statistics of the United States: 2001, Fetal Death Detail Record. Available on the Internet: [http://wonder.cdc.gov/wonder/sci\\_data/mort/fetldeth/type\\_txt/fetal01/TAfetaldeath01.pdf](http://wonder.cdc.gov/wonder/sci_data/mort/fetldeth/type_txt/fetal01/TAfetaldeath01.pdf) Hyattsville, Maryland: National Center for Health Statistics. 2003.
11. Hetzel, AM. U.S. Vital Statistics System. Major activities and developments, 1950-95. Hyattsville, Maryland: National Center for Health Statistics. 1997.

12. National Center for Health Statistics. Report of the Panel to Evaluate the U.S. Standard Certificates. Hyattsville, Maryland: National Center for Health Statistics. 2000. Available at: [http://www.cdc.gov/nchs/data/dvs/panelreport\\_acc.pdf](http://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf) .
13. National Center for Health Statistics. 2003 revision of the U.S. Standard Certificate of Live Birth. 2003. Available on the Internet at: <http://www.cdc.gov/nchs/data/dvs/birth11-03final-ACC.pdf> .
14. National Center for Health Statistics. Birth edit specifications for the 2003 Revision of the U.S. Standard Certificate of Birth. 2005. Available on the Internet at: <http://www.cdc.gov/nchs/data/dvs/FinalBirthSpecs3-24-2005.pdf> .
15. National Center for Health Statistics. Guide to completing the facility worksheets for the Certificate of Live Birth and Report of Fetal Death (2003 revision). 2006 update. Hyattsville, Maryland: National Center for Health Statistics. Available on the Internet at: <http://www.cdc.gov/nchs/data/dvs/GuidetoCompleteFacilityWks.pdf>
16. Division of Vital Statistics. Instruction manual part 3a: Classification and coding instructions for birth records, 1999-2001. 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) .
17. National Center for Health Statistics. Instruction manual, part 8. Vital records, geographic classification, 2003. Vital statistics, data preparation. Hyattsville, Maryland: National Center for Health Statistics. 2002. Available on the Internet at: [http://www.cdc.gov/nchs/data/dvs/IMP8\\_PrintVersion.pdf](http://www.cdc.gov/nchs/data/dvs/IMP8_PrintVersion.pdf) .
18. 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.
19. National Center for Health Statistics. Instruction manual, part 8A. Vital records, geographic codes, 2004. Federal information processing standards (FIPS). Hyattsville, Maryland: National Center for Health Statistics. 2003. Available on the Internet at: [http://www.cdc.gov/nchs/data/dvs/IMP8A\\_PrintVersion.pdf](http://www.cdc.gov/nchs/data/dvs/IMP8A_PrintVersion.pdf)
20. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 2002, vol I, natality. Available on the Internet at: <http://www.cdc.gov/nchs/data/techap02.pdf> and on CD-ROM from Hyattsville, Maryland: National Center for Health Statistics. 2004 .
21. Office of Management and Budget. Race and ethnic standards for Federal statistics and administrative reporting. Statistical Policy Directive 15. 1977.
22. 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.

23. 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.
24. Schenker N, Parker JD. From single-race reporting to multiple-race reporting: Using imputation methods to bridge the transition. Stat Med 22(9):1571–87. 2003.
25. Johnson D. Coding and editing multiple race and ethnicity. Presented at the 2004 Joint Meeting of NAPHSIS and VSCP. Portland, Oregon. June 6-10, 2004. Available on the Internet at: <http://www.naphsis.org/events/index.asp?bid=699> .
26. Weed JA. NCHS procedures for multiple-race and Hispanic origin data: Collecting, coding, editing and transmitting. Presented at the 2004 Joint Meeting of NAPHSIS and VSCP. Portland, Oregon. June 6-10, 2004. Available on the Internet at: [http://www.cdc.gov/nchs/data/dvs/Multiple\\_race\\_docu\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf) .
27. Hamilton BE, Ventura SJ, Martin JA. Characteristics of births to single-race and multiple-race women, 2003. National vital statistics reports; vol 54 no ???. Hyattsville, Maryland: National Center for Health Statistics. 2006.
28. 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.
29. Schoendorf KC, Parker JD, Batkhan LZ, Kiely JL. Comparability of the birth certificate and 1988 maternal and infant health survey. Vital Health Statistics 2 (116). Hyattsville, Maryland: National Center for Health Statistics. 1993.
30. National Center for Health Statistics. Vital statistics of the United States, 2001, volume I, natality. Available on the Internet at: <http://www.cdc.gov/nchs/datawh/statabunpubd/nativity/natab2001.htm> and on CD-ROM from Hyattsville, Maryland: National Center for Health Statistics. 2006.
31. Division of Vital Statistics. Instruction manual part 12: Computer edits for natality data, effective 1993. Vital statistics, data preparation. 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) .
32. 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.
33. Ventura SJ. Births to unmarried mothers: United States, 1980–92. National Center for Health Statistics. Vital Health Stat 21(53). 1995.

34. Sampson PD, Bookstein FL, Barr HM, Steissguth AP. Prenatal alcohol exposure, birthweight, and measures of child size from birth to 14 years. *Am J Public Health* 84(9):1421-28. 1994.
35. 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(1):110-19. 1992.
36. Ebrahim SH, Luman ET, Floyd RL, et al. Alcohol consumption by pregnant women in the United States during 1988-1995. *Obstet Gynecol* 92(2):187-192. 1998.
37. Chomitz VR, Cheung LWY, Lieberman E. The role of lifestyle in preventing low birth weight. In: *The future of children: Low birthweight*. Vol 5(1):121-138. Los Altos, California: Center for the Future of Children, The David and Lucile Packard Foundation. 1995.
38. 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.
39. Kogan MD, Martin JA, Alexander GR, 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.
40. 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). Hyattsville, Maryland: National Center for Health Statistics. 1982.
41. Vahratian A, Buekens P, Bennett TA, et al. Preterm delivery rates in North Carolina: Are they really declining among non-Hispanic African Americans? *Am J Epidemiology* 159(1):59-63. 2004.
42. Division of Vital Statistics. Instruction manual part 12: Computer edits for natality data -- 2003 Revised Certificate. Hyattsville, Maryland: National Center for Health Statistics.. Forthcoming on the Internet .
43. World Health Organization. Manual of the international statistical classification of diseases, injuries and causes of death. Sixth revision. Geneva. 1949. Referenced in: <http://www.who.int/classifications/icd/en/HistoryOfICD.pdf> .
44. National Center for Health Statistics. Matched Multiple Birth file 1995-2000. Public use CD-ROM. Hyattsville, Maryland: National Center for Health Statistics. CD Rom series 21. no.17. 2004.
45. 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.

46. U.S. Census Bureau. 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.
47. National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2004, by year, state and county, age, bridged race, sex, and Hispanic origin (vintage 2004). File pcen\_v2004.txt (ASCII). Released September 8, 2005. Available on the Internet at:  
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm>
48. 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, DC: U.S. Department of Commerce. 1991. Available on the Internet at :  
<http://www.wnjpin.net/OneStopCareerCenter/LaborMarketInformation/lmi02/cph-l-74.htm> .
- 49 U.S. Census Bureau. Unpublished data from the March 2004 current population survey. U.S. Census Bureau. 2004.
50. U.S. Census Bureau. Unpublished tabulations prepared by the Housing and Household Economic Statistics Division. 2005.
51. U.S. Census Bureau. Census 2000 modified race data summary file. Available on the Internet at: <http://www.census.gov/popest/archives/files/MR-CO.txt> .
52. Hamilton BE, Sutton PD, Ventura SJ. Revised birth and fertility rates for the 1990s and new rates for Hispanic populations, 2000 and 2001: United States. National vital statistics reports; vol 51 no 12. Hyattsville, Maryland. 2003.
53. 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.
54. Heuser R. Fertility tables for birth cohorts by color: United States, 1917–73. Available on the Internet at <http://www.cdc.gov/nchs/data/misc/fertiltbacc.pdf> and on CD from Hyattsville, Maryland: National Center for Health Statistics. 1976.
55. Shiskin J, Young A, Musgrove J. The X–11 variant of the Census Method II Seasonal Adjustment Program. Technical paper; no 15, 1967 rev. Washington: U.S. Census Bureau. 1967.
56. Bailer JC, Ederer F. Significance factors for the ratio of a Poisson variable to its expectations. Biometrics. 20:639-43. 1964.

57. Schenker N, Gentleman JF. On judging the significance of differences by examining the overlap between confidence intervals. Amer Stat 55:182-86. 2001.
58. U.S. Census Bureau, Demographic Statistical Methods Division. Source and accuracy of the data for the March 2002 Current Population Survey microdata file. Available on the Internet at: [http://www.bls.census.gov/cps/ads/2002/S&A\\_02.pdf](http://www.bls.census.gov/cps/ads/2002/S&A_02.pdf).
59. U.S. Census Bureau, Demographic Statistical Methods Division. Source and accuracy of the data for the March 2003 Current Population Survey microdata file.

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

TYPE/PRINT  
IN  
PERMANENT  
BLACK INK  
FOR  
INSTRUCTIONS  
SEE  
HANDBOOK  
**CHILD**

LOCAL FILE NUMBER

**U.S. STANDARD  
CERTIFICATE OF LIVE BIRTH**

BIRTH NUMBER

1. CHILD'S NAME ( <i>First, Middle, Last</i> )			2. DATE OF BIRTH ( <i>Month, Day, Year</i> )	3. TIME OF BIRTH  <b>M</b>
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 ( <i>Specify</i> )			8. FACILITY NAME ( <i>If not institution, give street and number</i> )	
9. I certify that this child was born alive at the place and time and on the date stated.		10. DATE SIGNED ( <i>Month, Day, Year</i> )	11. ATTENDANT'S NAME AND TITLE ( <i>If other than certifier</i> ) ( <i>Type/Print</i> )  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 ( <i>Specify</i> ) _____	
12. CERTIFIER'S NAME AND TITLE ( <i>Type/Print</i> )  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 ( <i>Specify</i> ) _____			13. ATTENDANT'S MAILING ADDRESS ( <i>Street and Number or Rural Route Number, City or Town, State, Zip Code</i> )	
14. REGISTRAR'S SIGNATURE ►			15. DATE FILED BY REGISTRAR ( <i>Month, Day, Year</i> )	
16a. MOTHER'S NAME ( <i>First, Middle, Last</i> )			16b. MAIDEN SURNAME	
18. BIRTHPLACE ( <i>State or Foreign Country</i> )		19a. RESIDENCE—STATE		19c. CITY, TOWN, OR LOCATION
19d. STREET AND NUMBER		19e. INSIDE CITY LIMITS? ( <i>Yes or no</i> )		20. MOTHER'S MAILING ADDRESS ( <i>If same as residence, enter Zip Code only</i> )
21. FATHER'S NAME ( <i>First, Middle, Last</i> )			22. DATE OF BIRTH ( <i>Month, Day, Year</i> )	
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 ►				
DEATH UNDER ONE YEAR OF AGE Enter State File Number of death certificate for this child				
MOTHER				
FATHER				
INFORMANT				

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

INFORMATION FOR MEDICAL AND HEALTH USE ONLY						
25. OF HISPANIC ORIGIN? (Specify No or Yes—if yes, specify Cuban, Mexican, Puerto Rican, etc.)			26. RACE—American Indian, Black, White, etc. (Specify below)		27. EDUCATION (Specify only highest grade completed)  Elementary/Secondary (0-12)      College (1-4 or 5+)	
MOTHER 25a. <input type="checkbox"/> No <input type="checkbox"/> Yes Specify:			26a.			
FATHER 25b. No <input type="checkbox"/> Yes Specify:			26b.		27b.	
28. PREGNANCY HISTORY (Complete each section)						
LIVE BIRTHS (Do not include this child)			OTHER TERMINATIONS (Spontaneous and induced at any time after conception)			
28a. Now Living		28b. Now Dead		28d.		
Number _____	Number _____	Number _____	Number _____			
<input type="checkbox"/> None		<input type="checkbox"/> None				
28c. DATE OF LAST LIVE BIRTH (Month, Year)			28e. DATE OF LAST OTHER TERMINATION (Month, Year)			
36. APGAR SCORE			37a. MOTHER TRANSFERRED PRIOR TO DELIVERY? <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred from:			
36a. 1 Minute		36b. 5 Minutes		37b. INFANT TRANSFERRED? <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred to:		
38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)			40. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)			43. CONGENITAL ANOMALIES OF CHILD (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)			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)			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)
38b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)			41. METHOD OF DELIVERY (Check all that apply)			
Tobacco use during pregnancy ..... Yes <input type="checkbox"/> No <input type="checkbox"/> Average number cigarettes per day _____			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"/>			
Alcohol use during pregnancy ..... Yes <input type="checkbox"/> No <input type="checkbox"/> Average number drinks per week _____			42. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)			
Weight gained during pregnancy _____ lbs.			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)			
39. OBSTETRIC PROCEDURES (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)						

**U.S. STANDARD CERTIFICATE OF LIVE BIRTH**

LOCAL FILE NO.

BIRTH NUMBER:

<b>C H I L D</b>		1. CHILD'S NAME (First, Middle, Last, Suffix)		2. TIME OF BIRTH (24hr)	3. SEX	4. DATE OF BIRTH (Mo/Day/Yr)		
		5. FACILITY NAME (If not institution, give street and number)		6. CITY, TOWN, OR LOCATION OF BIRTH		7. COUNTY OF BIRTH		
<b>M O T H E R</b>		8a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			8b. DATE OF BIRTH (Mo/Day/Yr)			
		8c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			8d. BIRTHPLACE (State, Territory, or Foreign Country)			
		9a. RESIDENCE OF MOTHER-STATE		9b. COUNTY		9c. CITY, TOWN, OR LOCATION		
		9d. STREET AND NUMBER			9e. APT. NO.	9f. ZIP CODE		9g. INSIDE CITY LIMITS? 9 Yes 9 No
<b>F A T H E R</b>		10a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		10b. DATE OF BIRTH (Mo/Day/Yr)		10c. BIRTHPLACE (State, Territory, or Foreign Country)		
<b>C E R T I F I E R</b>		11. CERTIFIER'S NAME: _____ TITLE: 9 MD 9 DO 9 HOSPITAL ADMIN. 9 CNM/CM 9 OTHER MIDWIFE 9 OTHER (Specify)		12. DATE CERTIFIED MM / DD / YYYY		13. DATE FILED BY REGISTRAR MM / DD / YYYY		
<b>INFORMATION FOR ADMINISTRATIVE USE</b>								
<b>M O T H E R</b>		14. MOTHER'S MAILING ADDRESS: 9 Same as residence, or: State: _____ City, Town, or Location: Street & Number: _____ Apartment No.: _____ Zip Code: _____						
		15. MOTHER MARRIED? (At birth, conception, or any time between) IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED IN THE HOSPITAL? 9 Yes 9 No		9 Yes 9 No	16. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? 9 Yes 9 No	17. FACILITY ID. (NPI)		
		18. MOTHER'S SOCIAL SECURITY NUMBER: _____		19. FATHER'S SOCIAL SECURITY NUMBER: _____				
<b>INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY</b>								
<b>M O T H E R</b>		20. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery)  9 8th grade or less 9 9th - 12th grade, no diploma 9 High school graduate or GED completed 9 Some college credit but no degree 9 Associate degree (e.g., AA, AS) 9 Bachelor's degree (e.g., BA, AB, BS) 9 Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 9 Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	21. MOTHER OF HISPANIC ORIGIN? (Check the box that best describes whether the mother is Spanish/Hispanic/Latina. Check the "No" box if mother is not Spanish/Hispanic/Latina)  9 No, not Spanish/Hispanic/Latina 9 Yes, Mexican, Mexican American, Chicana 9 Yes, Puerto Rican 9 Yes, Cuban 9 Yes, other Spanish/Hispanic/Latina (Specify) _____	22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be)  9 White 9 Black or African American 9 American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ 9 Asian Indian 9 Chinese 9 Filipino 9 Japanese 9 Korean 9 Vietnamese 9 Other Asian (Specify) _____ 9 Native Hawaiian 9 Guamanian or Chamorro 9 Samoan 9 Other Pacific Islander (Specify) _____ 9 Other (Specify) _____				
<b>F A T H E R</b>		23. FATHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery)  9 8th grade or less 9 9th - 12th grade, no diploma 9 High school graduate or GED completed 9 Some college credit but no degree 9 Associate degree (e.g., AA, AS) 9 Bachelor's degree (e.g., BA, AB, BS) 9 Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 9 Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	24. FATHER OF HISPANIC ORIGIN? (Check the box that best describes whether the father is Spanish/Hispanic/Latino. Check the "No" box if father is not Spanish/Hispanic/Latino)  9 No, not Spanish/Hispanic/Latino 9 Yes, Mexican, Mexican American, Chicano 9 Yes, Puerto Rican 9 Yes, Cuban 9 Yes, other Spanish/Hispanic/Latino (Specify) _____	25. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be)  9 White 9 Black or African American 9 American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ 9 Asian Indian 9 Chinese 9 Filipino 9 Japanese 9 Korean 9 Vietnamese 9 Other Asian (Specify) _____ 9 Native Hawaiian 9 Guamanian or Chamorro 9 Samoan 9 Other Pacific Islander (Specify) _____ 9 Other (Specify) _____				
Mother's Name Mother's Medical Record No.	26. PLACE WHERE BIRTH OCCURRED (Check one) 9 Hospital 9 Freestanding birthing center 9 Home Birth: Planned to deliver at home? 9 Yes 9 No 9 Clinic/Doctor's office 9 Other (Specify) _____		27. ATTENDANT'S NAME, TITLE, AND NPI NAME: _____ NPI: _____ TITLE: 9 MD 9 DO 9 CNM/CM 9 OTHER MIDWIFE 9 OTHER (Specify) _____	28. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? 9 Yes 9 No IF YES, ENTER NAME OF FACILITY MOTHER TRANSFERRED FROM: _____				

<b>M O T H E R</b>	29a. DATE OF FIRST PRENATAL CARE VISIT _____/_____/_____ MM DD YYYY		29b. DATE OF LAST PRENATAL CARE VISIT _____/_____/_____ MM DD YYYY		30. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY _____ (If none, enter "0".)		
	31. MOTHER'S HEIGHT _____ (feet/inches)		32. MOTHER'S PREPREGNANCY WEIGHT _____ (pounds)		33. MOTHER'S WEIGHT AT DELIVERY _____ (pounds)		
	35. NUMBER OF PREVIOUS LIVE BIRTHS (Do not include this child)		36. NUMBER OF OTHER PREGNANCY OUTCOMES (spontaneous or induced losses or ectopic pregnancies)		37. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. IF NONE, ENTER "0". Average number of cigarettes or packs of cigarettes smoked per day. Three Months Before Pregnancy _____ # of cigarettes First Three Months of Pregnancy _____ OR _____ Second Three Months of Pregnancy _____ OR _____ Third Trimester of Pregnancy _____ OR _____		38. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY 9 Private Insurance 9 Medicaid 9 Self-pay 9 Other (Specify) _____
	35a. Now Living Number _____ 9 None	35b. Now Dead Number _____ 9 None	36a. Other Outcomes Number _____ 9 None				
	35c. DATE OF LAST LIVE BIRTH _____/_____ MM Y Y Y Y		36b. DATE OF LAST OTHER PREGNANCY OUTCOME _____/_____ MM Y Y Y Y		39. DATE LAST NORMAL MENSES BEGAN _____/_____ MM D D Y Y Y Y		40. MOTHER'S MEDICAL RECORD NUMBER _____

<b>MEDICAL AND HEALTH INFORMATION</b>	41. RISK FACTORS IN THIS PREGNANCY (Check all that apply)  Diabetes 9 Prepregnancy (Diagnosis prior to this pregnancy) 9 Gestational (Diagnosis in this pregnancy)  Hypertension 9 Prepregnancy (Chronic) 9 Gestational (PIH, preeclampsia) 9 Eclampsia  9 Previous preterm birth  9 Other previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)  9 Pregnancy resulted from infertility treatment-If yes, check all that apply: 9 Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination 9 Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 9 Mother had a previous cesarean delivery If yes, how many _____  9 None of the above		43. OBSTETRIC PROCEDURES (Check all that apply)  9 Cervical cerclage 9 Tocolysis  External cephalic version: 9 Successful 9 Failed  9 None of the above		46. METHOD OF DELIVERY  A. Was delivery with forceps attempted but unsuccessful? 9 Yes 9 No  B. Was delivery with vacuum extraction attempted but unsuccessful? 9 Yes 9 No  C. Fetal presentation at birth 9 Cephalic 9 Breech 9 Other	
			44. ONSET OF LABOR (Check all that apply)  9 Premature Rupture of the Membranes (prolonged, ≥12 hrs.) 9 Precipitous Labor (<3 hrs.) 9 Prolonged Labor (≥ 20 hrs.)  9 None of the above			
			45. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply)  9 Induction of labor 9 Augmentation of labor 9 Non-vertex presentation 9 Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 9 Antibiotics received by the mother during labor 9 Clinical chorioamnionitis diagnosed during labor or maternal temperature ≥38°C (100.4°F) 9 Moderate/heavy meconium staining of the amniotic fluid 9 Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery 9 Epidural or spinal anesthesia during labor 9 None of the above		D. Final route and method of delivery (Check one) 9 Vaginal/Spontaneous 9 Vaginal/Forceps 9 Vaginal/Vacuum  9 Cesarean If cesarean, was a trial of labor attempted? 9 Yes 9 No	
	42. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply)  9 Gonorrhea 9 Syphilis 9 Chlamydia 9 Hepatitis B 9 Hepatitis C 9 None of the above				47. MATERNAL MORBIDITY (Check all that apply) (Complications associated with labor and delivery)  9 Maternal transfusion 9 Third or fourth degree perineal laceration 9 Ruptured uterus 9 Unplanned hysterectomy 9 Admission to intensive care unit 9 Unplanned operating room procedure following delivery 9 None of the above	

<b>NEW BORN</b>  Mother's Name _____  Mother's Medical Record No. _____	48. NEWBORN MEDICAL RECORD NUMBER: _____			54. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)		55. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply)	
	49. BIRTHWEIGHT (grams preferred, specify unit) _____ 9 grams 9 lb/oz			9 Assisted ventilation required immediately following delivery		9 Anencephaly	
	50. OBSTETRIC ESTIMATE OF GESTATION: _____ (completed weeks)			9 Assisted ventilation required for more than six hours		9 Meningomyelocele/Spina bifida	
	51. APGAR SCORE: Score at 5 minutes: _____  If 5 minute score is less than 6, Score at 10 minutes: _____			9 NICU admission		9 Cyanotic congenital heart disease	
				9 Newborn given surfactant replacement therapy		9 Congenital diaphragmatic hernia	
				9 Antibiotics received by the newborn for suspected neonatal sepsis		9 Omphalocele	
				9 Seizure or serious neurologic dysfunction		9 Gastrochisis	
	52. PLURALITY - Single, Twin, Triplet, etc. (Specify) _____			9 Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention)		9 Limb reduction defect (excluding congenital amputation and dwarfing syndromes)	
53. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify) _____			9 None of the above		9 Cleft Lip with or without Cleft Palate		
					9 Cleft Palate alone		
					9 Down Syndrome 9 Karyotype confirmed 9 Karyotype pending		
					9 Suspected chromosomal disorder 9 Karyotype confirmed 9 Karyotype pending		
					9 Hypoplasias		
					9 None of the anomalies listed above		
56. WAS INFANT TRANSFERRED WITHIN 24 HOURS OF DELIVERY? 9 Yes 9 No IF YES, NAME OF FACILITY INFANT TRANSFERRED TO: _____			57. IS INFANT LIVING AT TIME OF REPORT? 9 Yes 9 No 9 Infant transferred, status unknown		58. IS THE INFANT BEING BREASTFED AT DISCHARGE? 9 Yes 9 No		

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, New York City and the District of Columbia, 2004  
 [By place of residence]

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth							Hispanic Origin	
	All births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Mother	Father	
Total of reporting areas <sup>1</sup>	4,112,052	0.0	0.2	0.4	13.6	16.0	0.8	14.1	
Alabama	59,510	0.0	0.0	0.0	20.8	21.1	0.1	20.8	
Alaska	10,338	-	0.9	0.5	9.2	14.2	11.6	20.9	
Arizona	93,663	0.0	0.0	0.1	14.7	18.2	1.9	16.8	
Arkansas	38,573	-	0.0	0.5	19.0	20.3	0.3	19.1	
California	544,843	0.0	0.0	0.4	7.3	8.1	1.4	7.7	
Colorado	68,503	-	0.0	0.5	8.1	8.8	0.0	8.8	
Connecticut	42,095	0.0	0.1	0.5	10.6	11.8	0.3	10.9	
Delaware	11,369	-	0.1	0.3	32.6	33.6	0.7	32.6	
District of Columbia	7,933	-	0.0	0.0	35.7	44.1	0.4	35.7	
Florida <sup>2</sup>	218,053	0.0	0.1	0.2	15.8	24.5	0.3	18.4	
Georgia	138,849	0.0	0.0	0.2	17.0	17.7	1.6	18.4	
Hawaii	18,281	-	0.1	0.2	8.6	12.3	0.2	8.6	
Idaho	22,532	0.0	0.0	0.4	9.2	15.2	1.3	12.1	
Illinois	180,778	0.0	0.0	0.2	13.7	15.2	0.1	15.0	
Indiana	87,142	0.0	0.1	0.0	13.2	13.2	0.4	13.4	
Iowa	38,438	-	-	0.0	14.0	15.5	0.3	15.7	
Kansas	39,669	-	0.0	0.1	10.6	11.1	1.4	12.1	
Kentucky	55,720	0.0	0.1	0.6	20.1	24.7	0.1	23.3	
Louisiana	65,369	0.0	0.0	0.0	19.6	19.7	0.2	19.7	
Maine	13,944	-	0.0	0.0	9.2	12.7	0.5	12.8	
Maryland	74,628	0.0	0.0	0.1	13.4	19.4	0.1	15.5	
Massachusetts	78,484	0.0	-	0.9	7.9	9.4	0.7	8.5	
Michigan	129,776	0.0	0.1	0.2	14.6	16.9	2.7	18.6	
Minnesota	70,624	-	0.1	0.3	12.1	18.2	1.4	13.9	
Mississippi	42,827	0.0	0.1	0.1	20.7	20.7	0.1	20.7	
Missouri	77,765	-	0.0	0.3	18.0	19.9	0.1	18.5	
Montana	11,519	-	0.1	0.0	9.2	10.6	1.6	11.9	
Nebraska	26,332	-	-	-	13.2	14.9	2.5	15.6	
Nevada	35,200	-	0.0	0.5	22.4	24.0	1.0	22.8	
New Hampshire <sup>2</sup>	14,565	-	0.0	0.2	6.4	8.6	3.5	7.6	
New Jersey	115,253	0.0	0.1	0.1	7.6	9.0	0.1	7.8	
New Mexico	28,384	-	0.0	1.6	19.7	19.6	0.0	19.6	
New York (excluding NYC)	130,879	0.0	0.0	0.1	10.8	16.1	0.2	10.9	
New York City	119,068	0.0	0.0	0.5	15.4	16.1	0.4	15.6	
North Carolina	119,847	0.0	-	0.0	16.2	16.3	0.1	16.3	
North Dakota	8,189	-	-	-	9.3	9.5	2.8	12.1	
Ohio	148,954	0.4	0.0	0.5	16.2	19.9	0.5	16.9	
Oklahoma	51,306	-	0.0	0.0	14.6	17.2	0.3	16.8	
Oregon	45,678	-	-	0.1	10.2	4.9	0.3	4.9	
Pennsylvania	144,748	0.0	4.6	3.9	6.6	11.0	1.2	5.9	
Rhode Island	12,779	-	-	0.2	13.0	14.3	13.8	24.1	
South Carolina	56,590	-	0.0	0.1	29.5	33.8	0.1	0.7	
South Dakota	11,338	0.0	0.0	0.1	10.4	11.0	0.1	13.4	
Tennessee	79,642	0.0	1.2	0.3	16.0	22.2	0.2	15.9	
Texas	381,293	0.0	0.0	0.4	14.3	14.7	0.3	14.5	
Utah	50,670	0.0	0.0	0.2	9.9	12.9	0.6	10.8	
Vermont	6,599	-	-	0.4	7.6	10.0	1.1	10.7	
Virginia	103,933	-	0.0	0.1	15.3	17.0	0.1	15.3	
Washington	81,747	-	0.1	0.3	9.7	23.6	2.9	15.5	
West Virginia	20,880	0.0	0.0	0.1	13.0	13.5	0.2	13.4	
Wisconsin	70,146	0.0	0.0	0.1	30.8	30.9	0.1	30.9	
Wyoming	6,807	-	0.0	0.1	16.0	16.4	0.3	16.2	
Puerto Rico	51,127	-	0.1	-	3.2	4.3	---	---	
Virgin Islands	1,574	-	0.3	-	21.0	22.1	4.3	60.7	
Guam	3,410	0.1	0.4	0.4	22.3	22.6	1.5	27.8	
American Samoa	1,714	0.2	-	3.9	36.4	36.5	---	---	
Northern Marianas	1,355	-	0.5	-	8.9	9.0	---	---	

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.  
 [By place of residence]

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth								
	Educational attainment of mother		Live-birth order	Length of gestation	Month prenatal care began		Number of prenatal visits	Weight gain	
	Unrevised <sup>3</sup>	Revised <sup>4</sup>			Unrevised <sup>3</sup>	Revised <sup>4</sup>			
Total of reporting areas <sup>1</sup>	2.0	---	0.5	1.0	2.5	---	3.6	5.9	
Alabama	0.7	---	0.0	0.1	0.7	---	0.2	1.6	
Alaska	6.7	---	10.4	0.4	6.8	---	10.6	8.7	
Arizona	1.4	---	0.1	0.1	0.1	---	0.7	12.5	
Arkansas	1.9	---	0.2	0.2	2.7	---	2.2	8.9	
California <sup>5</sup>	2.9	---	0.1	6.8	1.7	---	2.7	---	
Colorado	1.1	---	0.1	0.0	1.8	---	2.0	3.0	
Connecticut	1.2	---	0.0	0.0	1.5	---	1.0	1.1	
Delaware	3.1	---	0.2	0.1	2.7	---	0.6	1.1	
District of Columbia	8.0	---	0.2	0.2	11.1	---	15.8	13.7	
Florida <sup>2</sup>	---	---	0.7	0.1	---	---	4.5	8.5	
Georgia	3.3	---	0.1	0.1	2.6	---	1.4	6.5	
Hawaii	1.2	---	0.0	0.2	3.4	---	2.8	13.3	
Idaho	---	5.1	0.2	0.1	---	1.3	1.6	8.1	
Illinois	1.6	---	0.3	0.2	5.6	---	5.9	6.4	
Indiana	1.6	---	0.1	0.0	2.3	---	1.8	2.2	
Iowa	0.2	---	0.1	0.1	0.2	---	0.3	0.7	
Kansas	0.4	---	0.0	0.1	0.8	---	0.8	0.2	
Kentucky	---	4.4	0.1	0.0	---	1.9	1.6	2.0	
Louisiana	0.1	---	0.1	0.1	0.3	---	0.3	4.4	
Maine	1.5	---	0.2	0.1	1.2	---	0.3	0.9	
Maryland	1.5	---	0.1	0.1	1.9	---	2.3	3.1	
Massachusetts	0.4	---	0.2	0.2	2.0	---	0.7	0.9	
Michigan	2.6	---	0.4	0.1	3.7	---	4.8	7.1	
Minnesota	1.9	---	0.5	0.2	4.2	---	5.3	10.4	
Mississippi	4.3	---	0.1	0.2	5.2	---	3.6	5.7	
Missouri	1.2	---	0.5	0.2	2.3	---	4.0	4.2	
Montana	0.6	---	0.1	0.1	0.8	---	0.5	1.3	
Nebraska	0.1	---	0.0	0.0	0.2	---	0.3	3.1	
Nevada	2.7	---	1.3	0.6	7.7	---	10.3	8.9	
New Hampshire <sup>2</sup>	---	---	0.5	0.3	---	---	2.8	8.7	
New Jersey	2.2	---	0.1	0.1	2.0	---	1.0	0.9	
New Mexico	3.2	---	1.0	0.3	6.0	---	6.3	11.2	
New York (excluding NYC)	---	7.5	2.0	0.1	---	4.5	6.0	6.8	
New York City	4.5	---	0.0	0.0	5.9	---	0.7	2.0	
North Carolina	0.5	---	0.0	0.0	1.0	---	0.8	2.6	
North Dakota	0.3	---	0.1	0.2	1.1	---	0.8	2.3	
Ohio	2.4	---	0.3	0.1	4.9	---	9.1	3.8	
Oklahoma	0.5	---	0.2	0.2	2.2	---	2.2	3.6	
Oregon	2.9	---	0.0	0.0	1.6	---	0.2	1.9	
Pennsylvania	---	3.0	1.3	0.8	---	6.7	9.6	13.0	
Rhode Island	2.5	---	2.0	0.1	6.0	---	10.7	13.7	
South Carolina	---	5.3	0.0	0.1	---	1.2	0.8	1.8	
South Dakota	0.1	---	0.0	0.0	0.4	---	0.4	0.8	
Tennessee	---	0.8	0.9	0.5	---	9.6	8.2	8.4	
Texas	1.4	---	0.7	0.3	1.5	---	3.8	8.1	
Utah	1.8	---	0.3	0.0	2.6	---	2.8	4.0	
Vermont	5.9	---	0.2	0.0	8.3	---	0.6	2.0	
Virginia	2.3	---	0.0	0.0	1.2	---	1.7	3.2	
Washington	---	3.2	2.8	0.3	---	17.1	16.2	16.6	
West Virginia	2.5	---	0.0	0.1	3.8	---	0.7	2.2	
Wisconsin	0.4	---	0.0	0.0	0.3	---	0.5	2.2	
Wyoming	1.1	---	0.0	0.0	0.8	---	0.5	1.9	
Puerto Rico	0.3	---	0.1	0.0	0.2	---	0.1	0.0	
Virgin Islands	1.0	---	1.3	-	0.1	---	2.6	13.0	
Guam	1.4	---	2.3	0.1	1.1	---	1.5	2.8	
American Samoa	---	---	-	---	---	---	---	---	
Northern Marianas	8.1	---	5.4	0.7	4.4	---	4.0	---	

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated:  
 United States and each State and territory, 2004 -- Con.  
 [By place of residence]

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth				
	Birthweight	5-minute apgar score	Tobacco use		Method of Delivery 6
			Unrevised 3	Revised 4	
Total of reporting areas <sup>1</sup>	0.1	0.5	1.1	---	0.4
Alabama	0.1	0.2	0.6	---	0.7
Alaska	0.3	0.9	1.4	---	0.3
Arizona	0.1	0.4	1.7	---	0.4
Arkansas	0.1	3.2	1.5	---	0.5
California	0.0	--	--	--	0.0
Colorado	0.0	0.3	0.2	--	0.0
Connecticut	0.0	0.2	0.7	--	0.2
Delaware	0.1	0.2	2.5	---	0.0
District of Columbia	0.1	0.6	0.1	---	0.1
Florida <sup>2,7</sup>	0.0	0.3	--	--	0.2
Georgia	0.0	0.4	1.4	---	0.6
Hawaii	0.1	0.5	0.1	---	0.5
Idaho	0.0	0.6	--	3.8	0.2
Illinois	0.0	0.3	0.3	---	0.6
Indiana <sup>8</sup>	0.4	0.3	1.2	---	0.6
Iowa	0.1	0.3	0.1	---	0.8
Kansas	0.0	0.8	0.1	---	0.3
Kentucky	0.2	0.6	--	4.3	0.3
Louisiana	0.1	0.4	0.2	---	0.2
Maine	0.1	0.2	1.2	---	0.3
Maryland	0.0	0.3	0.4	---	0.4
Massachusetts	0.2	0.2	0.3	---	0.3
Michigan	0.1	0.3	2.9	---	0.6
Minnesota	0.0	0.3	2.3	---	0.9
Mississippi	0.1	0.4	0.4	---	0.6
Missouri	0.0	0.6	4.1	---	0.8
Montana	0.1	0.1	1.0	---	0.3
Nebraska	0.0	0.1	0.1	---	0.3
Nevada	0.0	1.5	2.2	---	0.9
New Hampshire <sup>2</sup>	0.2	0.4	--	--	0.5
New Jersey	0.0	0.2	1.8	---	0.8
New Mexico	0.3	3.7	1.7	---	0.4
New York (excluding NYC)	0.1	0.5	--	6.8	0.5
New York City	0.0	0.2	4.2	---	0.2
North Carolina	0.0	0.3	0.4	---	0.6
North Dakota	0.2	0.3	0.5	---	2.3
Ohio	0.0	0.2	0.9	---	0.8
Oklahoma	0.1	0.9	0.9	---	1.9
Oregon	0.0	0.4	2.5	---	0.7
Pennsylvania	0.4	1.2	--	4.1	0.1
Rhode Island	0.1	0.4	2.7	---	0.2
South Carolina	0.0	0.2	--	5.1	0.0
South Dakota <sup>9</sup>	0.0	0.2	0.1	---	0.6
Tennessee	0.4	3.2	--	1.0	0.0
Texas	0.1	--	0.2	---	0.9
Utah	0.0	0.2	1.0	---	0.5
Vermont	0.3	0.2	6.2	---	0.1
Virginia	0.1	0.1	1.1	---	0.6
Washington	0.4	0.4	--	3.2	0.0
West Virginia	0.0	0.2	1.9	---	0.3
Wisconsin	0.0	0.4	0.2	---	0.0
Wyoming	0.0	0.3	0.5	---	0.3
Puerto Rico	0.0	0.1	-	---	0.0
Virgin Islands	0.6	1.6	1.5	---	1.7
Guam	0.1	0.6	1.0	---	0.2
American Samoa	-	--	--	---	--
Northern Marianas <sup>9</sup>	0.4	1.5	6.4	---	3.4

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth					Characteristics of Labor and Delivery		
	Risk Factors in this Pregnancy				Menconium	Breech	Precipitous Labor	
	Diabetes	P.A. Hypertension	Chronic Hypertension	Eclampsia				
Total of reporting areas <sup>1</sup>	0.4	0.4	0.4	0.4	0.3	0.5	0.4	
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Alaska	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
Arizona	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Arkansas	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
California	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Colorado	0.0	0.0	0.0	0.0	-	-	-	
Connecticut	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Delaware	-	-	-	-	-	-	-	
District of Columbia	0.0	0.0	0.0	0.0	-	-	-	
Florida <sup>2</sup>	0.2	0.2	0.2	0.2	0.2	2.9	0.3	
Georgia	0.4	0.4	0.4	0.4	0.0	0.0	0.0	
Hawaii	0.0	0.0	0.0	0.0	-	-	-	
Idaho	0.8	0.8	0.8	0.8	0.5	1.9	0.6	
Illinois	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Indiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Iowa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Kansas	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Kentucky	0.4	0.4	0.4	0.4	0.4	0.9	0.8	
Louisiana	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Maine	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Maryland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Massachusetts	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Michigan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Minnesota	3.0	3.0	3.0	3.0	2.9	2.9	2.9	
Mississippi	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Missouri	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Montana	-	-	-	-	0.0	0.0	0.0	
Nebraska	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Nevada	2.8	2.8	2.8	2.8	2.9	2.9	2.9	
New Hampshire <sup>2</sup>	0.0	0.0	0.0	0.0	0.5	1.7	1.1	
New Jersey	0.3	0.3	0.3	0.3	0.1	0.1	0.1	
New Mexico	0.0	0.0	0.0	0.0	-	-	-	
New York (excluding NYC)	1.5	1.5	1.5	1.5	0.0	1.1	2.9	
New York City	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
North Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
North Dakota	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Ohio	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Oklahoma	4.8	4.8	4.8	4.8	5.4	5.4	5.4	
Oregon	0.7	0.7	0.7	0.7	0.0	0.0	0.0	
Pennsylvania	0.0	0.0	0.0	0.0	0.0	0.1	0.1	
Rhode Island	1.9	1.9	1.9	1.9	1.8	1.8	1.8	
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
South Dakota	-	-	-	-	0.0	0.0	0.0	
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Texas	0.9	0.9	0.9	0.9	0.0	0.0	0.0	
Utah	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Vermont	0.0	0.0	0.0	0.0	0.1	0.3	0.1	
Virginia	0.0	0.0	0.0	0.0	-	0.0	0.0	
Washington	2.9	2.9	2.9	2.9	3.2	4.9	3.6	
West Virginia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Wisconsin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wyoming	-	-	-	-	-	-	-	
Puerto Rico	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Virgin Islands	4.5	4.5	4.5	4.5	5.7	5.7	5.7	
Guam	1.1	1.1	1.1	1.1	0.5	0.5	0.5	
American Samoa	-	-	-	-	---	---	---	
Northern Marianas	0.0	0.0	0.0	0.0	6.0	6.0	6.0	

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth						
	Obstetric Procedures		Congenital Anomalies				
	Induction of Labor	Tocolysis	Anencephalus	Spina Bifida	Omphalo/Gastroschisis	Cleft Lip/Palate	Down Syndrome
Total of reporting areas <sup>1</sup>	0.2	0.3		1.2	1.2		1.2
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alaska	6.4	6.5	11.9	11.9	11.9	11.9	11.9
Arizona	0.0	0.0	0.3	0.3	0.3	0.3	0.3
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	0.0
California	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Colorado	-	-	0.1	0.1	0.1	0.1	0.1
Connecticut	0.0	0.0	0.4	0.4	0.4	0.4	0.4
Delaware	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-
Florida <sup>2</sup>	0.2	0.0	0.5	0.5	0.5	0.5	0.5
Georgia	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hawaii	0.0	0.0	-	-	-	-	-
Idaho	0.5	0.6	1.3	1.3	1.3	1.3	1.3
Illinois	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iowa	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Kansas	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Kentucky	0.4	0.6	0.0	0.0	0.0	0.0	0.0
Louisiana	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Maine	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Maryland	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Massachusetts	0.2	0.2	0.6	0.6	0.6	0.6	0.6
Michigan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Minnesota	1.6	1.6	4.6	4.6	4.6	4.6	4.6
Mississippi	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Missouri	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Montana	-	-	-	-	-	-	-
Nebraska	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nevada	2.2	2.2	4.5	4.5	4.5	4.5	4.5
New Hampshire <sup>2</sup>	0.5	0.8	1.0	1.0	1.0	1.0	1.0
New Jersey	0.0	0.0	0.4	0.4	0.4	0.4	0.4
New Mexico	0.0	0.0	-	-	-	-	-
New York (excluding NYC)	0.0	1.8	2.5	2.5	2.5	2.5	2.5
New York City	0.0	0.0	0.2	0.2	0.2	0.2	0.2
North Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Dakota	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Ohio	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oklahoma	1.8	1.8	8.6	8.6	8.6	8.6	8.6
Oregon	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pennsylvania	-	0.0	0.0	0.0	0.0	0.0	0.0
Rhode Island	2.0	2.0	3.9	3.9	3.9	3.9	3.9
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Dakota	-	-	0.0	0.0	0.0	0.0	0.0
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texas	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Utah	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Vermont	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Virginia	-	0.0	0.0	0.0	0.0	0.0	0.0
Washington	3.2	3.6	2.9	2.9	2.9	2.9	2.9
West Virginia	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Wisconsin	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Wyoming	-	-	0.0	0.0	0.0	0.0	0.0
Puerto Rico	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Virgin Islands	1.9	1.9	6.0	6.0	6.0	6.0	6.0
Guam	0.7	0.7	0.8	0.8	0.8	0.8	0.8
American Samoa	--	--	--	--	--	--	--
Northern Marianas	3.8	3.8	6.0	6.0	6.0	6.0	6.0

See footnotes at end of table.



Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Pregnancy Risk Factors	Obstetric Procedures	Onset of Labor	Items based on the 2003 US. Standard Certificate of Live Birth		
				Characteristics of Labor and Delivery	Method of Delivery	Congenital Anomalies
Total of reporting areas <sup>1</sup>	---	---	---	---	---	---
Alabama	---	---	---	---	---	---
Alaska	---	---	---	---	---	---
Arizona	---	---	---	---	---	---
Arkansas	---	---	---	---	---	---
California	---	---	---	---	---	---
Colorado	---	---	---	---	---	---
Connecticut	---	---	---	---	---	---
Delaware	---	---	---	---	---	---
District of Columbia	---	---	---	---	---	---
Florida <sup>2</sup>	---	---	---	---	---	---
Georgia	---	---	---	---	---	---
Hawaii	---	---	---	---	---	---
Idaho	3.9	3.7	3.7	3.6	3.3	4.4
Illinois	---	---	---	---	---	---
Indiana	---	---	---	---	---	---
Iowa	---	---	---	---	---	---
Kansas	---	---	---	---	---	---
Kentucky	4.7	4.9	5.1	4.7	4.6	4.3
Louisiana	---	---	---	---	---	---
Maine	---	---	---	---	---	---
Maryland	---	---	---	---	---	---
Massachusetts	---	---	---	---	---	---
Michigan	---	---	---	---	---	---
Minnesota	---	---	---	---	---	---
Mississippi	---	---	---	---	---	---
Missouri	---	---	---	---	---	---
Montana	---	---	---	---	---	---
Nebraska	---	---	---	---	---	---
Nevada	---	---	---	---	---	---
New Hampshire <sup>2</sup>	---	---	---	---	---	---
New Jersey	---	---	---	---	---	---
New Mexico	---	---	---	---	---	---
New York(excluding NYC)	8.3	8.6	9.7	6.8	7.3	9.3
New York City	---	---	---	---	---	---
North Carolina	---	---	---	---	---	---
North Dakota	---	---	---	---	---	---
Ohio	---	---	---	---	---	---
Oklahoma	---	---	---	---	---	---
Oregon	---	---	---	---	---	---
Pennsylvania	2.2	2.2	2.2	2.2	2.3	2.2
Rhode Island	---	---	---	---	---	---
South Carolina	5.0	5.0	5.0	5.0	5.0	5.0
South Dakota	---	---	---	---	---	---
Tennessee	0.6	0.6	0.6	0.6	0.6	0.6
Texas	---	---	---	---	---	---
Utah	---	---	---	---	---	---
Vermont	---	---	---	---	---	---
Virginia	---	---	---	---	---	---
Washington	4.5	5.1	5.1	4.7	1.5	4.4
West Virginia	---	---	---	---	---	---
Wisconsin	---	---	---	---	---	---
Wyoming	---	---	---	---	---	---
Puerto Rico	---	---	---	---	---	---
Virgin Islands	---	---	---	---	---	---
Guam	---	---	---	---	---	---
American Samoa	---	---	---	---	---	---
Northern Marianas	---	---	---	---	---	---

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Item based on the 1989 U.S. Standard Certificate of Live Birth					
	Alcohol use	Medical Risk Factors	Obstetric Procedures	Complications of Labor/Delivery	Abnormal Conditions of the Newborn	Congenital Anomalies
Total of reporting areas <sup>1</sup>	0.5	0.9	0.7	0.8	0.3	1.7
Alabama		0.6	0.6	0.6	0.0	0.6
Alaska	0.0	9.9	6.8	9.9	11.5	12.3
Arizona	1.1	0.0	0.0	0.0	0.0	0.3
Arkansas	1.8	1.3	1.3	1.3	0.0	1.3
California	0.4	0.0	0.0	0.0	0.0	0.0
Colorado	--	0.0	0.0	0.0	-	0.1
Connecticut	0.2	0.8	0.7	0.7	0.3	1.0
Delaware	0.1	2.5	2.5	2.5	-	2.5
District of Columbia	0.0	0.1	0.1	0.1	-	0.1
Florida <sup>2</sup>	0.1	---	---	---	---	---
Georgia	--	1.6	1.1	1.1	0.0	1.1
Hawaii	0.3	0.0	0.0	0.0	-	0.0
Idaho	0.1	---	---	---	---	---
Illinois	--	0.1	0.1	0.1	0.0	0.1
Indiana	0.1	1.0	1.0	1.0	0.0	1.0
Iowa	0.1	0.1	0.0	0.1	0.1	0.1
Kansas <sup>10</sup>	0.1	0.1	0.0	0.1	0.0	0.1
Kentucky	0.1	---	---	---	---	---
Louisiana	--	0.1	0.2	0.2	0.1	0.2
Maine	0.2	1.1	1.1	1.1	0.0	1.1
Maryland	0.2	0.3	0.3	0.3	0.0	0.3
Massachusetts	0.1	0.4	0.4	0.4	0.2	0.8
Michigan	0.2	0.0	0.0	0.0	0.0	0.0
Minnesota	3.0	3.0	1.6	3.0	4.5	4.6
Mississippi	2.4	4.0	4.0	4.0	0.1	4.0
Missouri	0.2	0.1	0.1	0.1	0.1	0.1
Montana	0.4	0.3	0.3	0.3	-	0.3
Nebraska <sup>11</sup>	0.9	0.1	0.0	0.1	0.0	0.0
Nevada	0.0	3.0	2.3	3.0	2.4	4.7
New Hampshire <sup>2</sup>	2.2	---	---	---	---	---
New Jersey	--	1.9	1.7	1.8	0.1	2.0
New Mexico	0.2	0.1	0.0	0.0	0.0	-
New York (excluding NYC)	1.8	---	---	---	---	---
New York City <sup>12</sup>	--	4.2	4.1	4.2	0.2	4.3
North Carolina	0.1	0.3	0.3	0.3	0.0	0.3
North Dakota	0.1	0.4	0.4	0.4	0.5	0.4
Ohio	0.8	0.6	0.6	0.6	0.0	0.6
Oklahoma	0.5	4.9	1.8	5.4	8.2	8.6
Oregon	0.9	2.3	1.6	1.6	0.0	1.6
Pennsylvania	1.0	---	---	---	---	---
Rhode Island	--	1.9	2.0	1.9	4.1	3.9
South Carolina	2.9	---	---	---	---	---
South Dakota	--	0.0	0.0	0.0	0.0	0.0
Tennessee	0.1	---	---	---	---	---
Texas <sup>11,13,14</sup>	--	0.9	0.1	0.0	0.1	0.1
Utah	0.2	0.2	0.1	0.1	0.1	0.2
Vermont	1.0	5.5	5.5	5.5	0.0	5.5
Virginia	0.5	1.1	1.1	1.1	0.1	1.1
Washington	0.0	---	---	---	---	---
West Virginia	--	1.7	1.7	1.7	0.2	1.7
Wisconsin <sup>15</sup>	0.4	0.0	0.0	0.0	0.1	0.1
Wyoming	0.2	0.3	0.3	0.3	-	0.3
	0.3					
Puerto Rico		0.0	0.0	0.0	0.0	0.0
Virgin Islands	0.0	4.5	1.9	5.7	6.7	6.0
Guam	1.6	1.1	0.7	0.5	0.6	0.8
American Samoa	1.7	---	---	---	---	---
Northern Marianas	--	-	3.8	6.0	6.1	6.0
	-					

See footnotes at end of table.

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> Florida and New Hampshire implemented the 2003 U.S. Standard Certificate of Live Birth in 2004, but after January 1, 2004.

<sup>3</sup> Includes data for states based on the 1989 U.S. Standard Certificate of Live birth; excludes data for states based on the 2003 U.S. Standard Certificate of Live Birth.

<sup>4</sup> Includes data for states based on the 2003 U.S. Standard Certificate of Live birth; excludes data from states based on the 1989 U.S. Standard Certificate of Live Birth.

<sup>5</sup> California reports date last normal menses began but does not report the clinical estimate of gestation.

<sup>6</sup> Not stated levels for states which implemented the 2003 U.S. Standard Certificate of Live Birth are derived from the item "Final route and method of delivery" only.

<sup>7</sup> The Florida tobacco use item is not consistent with the tobacco use items on either the 1989 or 2003 U.S. Standard Certificates of Live Birth.

<sup>8</sup> Indiana reports tobacco use but does not report the average number of cigarettes smoked per day in standard categories.

<sup>9</sup> South Dakota and the Commonwealth of the Northern Marianas report tobacco use but do not report the average number of cigarettes smoked per day.

<sup>10</sup> Kansas does not report the Medical Risk Factor "Rh sensitization."

<sup>11</sup> Nebraska and Texas do not report the abnormal condition of the newborn "birth injury."

<sup>12</sup> New York City does not report the Abnormal Conditions of the Newborn "assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more."

<sup>13</sup> Texas does not report the Medical Risk Factors "genital herpes and uterine bleeding."

<sup>14</sup> Texas does not report the Abnormal Conditions of the Newborn "anesthetic complications and fetal distress."

<sup>15</sup> Wisconsin does not report the Abnormal Condition of the Newborn "fetal alcohol syndrome."

**Table B. Births by place of occurrence and residence for births occurring in the 50 states, the District of Columbia, and U.S. territories, 2004**

Area	Number live births	
	Occurrence	Residence
United States 1/	4,118,907	4,112,052
Alabama	58,383	59,510
Alaska	10,268	10,338
Arizona	93,876	93,663
Arkansas	37,840	38,573
California	545,758	544,843
Colorado	68,797	68,503
Connecticut	42,545	42,095
Delaware	12,080	11,369
District of Columbia	14,794	7,933
Florida	218,218	218,053
Georgia	140,117	138,849
Hawaii	18,297	18,281
Idaho	21,949	22,532
Illinois	177,417	180,778
Indiana	87,942	87,142
Iowa	38,527	38,438
Kansas	40,449	39,669
Kentucky	54,085	55,720
Louisiana	65,572	65,369
Maine	13,733	13,944
Maryland	70,538	74,628
Massachusetts	79,405	78,484
Michigan	128,585	129,776
Minnesota	70,618	70,624
Mississippi	41,562	42,827
Missouri	78,591	77,765
Montana	11,526	11,519
Nebraska	26,446	26,332
Nevada	34,780	35,200
New Hampshire	14,198	14,565
New Jersey	112,232	115,253
New Mexico	27,798	28,384
New York	251,562	249,947
North Carolina	120,588	119,847
North Dakota	9,408	8,189
Ohio	149,481	148,954
Oklahoma	50,223	51,306
Oregon	46,454	45,678
Pennsylvania	144,498	144,748
Rhode Island	13,582	12,779
South Carolina	54,232	56,590
South Dakota	11,803	11,338
Tennessee	84,855	79,642
Texas	387,337	381,293
Utah	51,835	50,670
Vermont	6,262	6,599
Virginia	101,826	103,933
Washington	81,390	81,747
West Virginia	21,305	20,880
Wisconsin	69,014	70,146
Wyoming	6,326	6,807
<b>Births occurring to US territorial residents</b>		
Puerto Rico	-	51127
Virgin Islands	-	1574
Guam	-	3410
American Samoa	-	1714
Northern Marianas	-	1355

--- Data not available.

1/ Excludes data for the territories and foreign residents

**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( $1 - a = .95, B$ )	U( $1 - a = .95, B$ )	L( $1 - a = .96, B$ )	U( $1 - a = .96, B$ )
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, 1900-2004**

[2004] National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2004, by year, state and county, age, bridged race, sex, and Hispanic origin (vintage 2004). File pcen\_v2004.txt (ASCII). Released September 8, 2005. Available at:  
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm>

[2004] US Census Bureau. Monthly postcensal resident population plus Armed Forces overseas, by single year of age, sex, race, and Hispanic origin. Available at:  
[http://www.census.gov/popest/national/asrh/2004\\_nat\\_af.html](http://www.census.gov/popest/national/asrh/2004_nat_af.html)

[2003] National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2003, by year, state and county, age, bridged race, sex, and Hispanic origin (vintage 2003). File pcen\_v2003\_y03.txt (ASCII). Released September 14, 2004. Available at:  
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm>

[2002] National Center for Health. 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:  
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[2001] National Center for Health. 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:  
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[2001] National Center for Health. 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:  
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

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

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

[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 icen1999.txt. Internet released, April 15, 2003.  
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

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

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

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

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

[1993] National Center for Health Statistics. Intercensal estimates of the July 1, 1993, United States resident population state and county, by 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: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

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

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

<b>Table E. Percentage net undercount, by age, sex, and race/Hispanic origin: United States, April 1, 2000</b>	
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, 1900–2004

[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 1/		Year	United States 1/		Birth-registration States		Death-registration States	
	Population including Armed Forces abroad	Population residing in area		Population including Armed Forces abroad	Population residing in area	Number of States2/	Population residing in area	Number of States2/	Population residing in area
2004	293,906,517	293,655,404							
2003	291,028,156	290,810,789	1950	151,132,000	150,697,361	...	...	...	...
2002	288,600,204	288,368,706	1949	149,188,000	148,665,000	...	...	...	...
2001	285,024,000	284,796,887	1948	146,631,000	146,093,000	...	...	...	...
2000	281,652,000	281,421,906	1947	144,126,000	143,446,000	...	...	...	...
1999	279,294,713	279,040,168	1946	141,389,000	140,054,000	...	...	...	...
1998	276,115,288	275,854,104	1945	139,928,000	132,481,000	...	...	...	...
1997	272,911,760	272,646,925	1944	138,397,000	132,885,000	...	...	...	...
1996	269,667,391	269,394,284	1943	136,739,000	134,245,000	...	...	...	...
1995	266,557,091	266,278,393	1942	134,860,000	133,920,000	...	...	...	...
1994	263,435,673	263,125,821	1941	133,402,000	133,121,000	...	...	...	...
1993	260,255,352	259,918,588	1940	131,820,000	131,669,275	...	...	...	...
1992	256,894,189	256,514,224	1939	131,028,000	130,879,718	...	...	...	...
1991	253,492,503	252,980,941	1938	129,969,000	129,824,939	...	...	...	...
1990	249,225,000	248,709,873	1937	128,961,000	128,824,829	...	...	...	...
1989	247,342,000	246,819,000	1936	128,181,000	128,053,180	...	...	...	...
1988	245,021,000	244,499,000	1935	127,362,000	127,250,232	...	...	...	...
1987	242,804,000	242,289,000	1934	126,485,000	126,373,773	...	...	...	...
1986	240,651,000	240,133,000	1933	125,690,000	125,578,763	...	...	...	...
1985	238,466,000	237,924,000	1932	124,949,000	124,840,471	47	118,903,899	47	118,903,899
1984	236,348,000	235,825,000	1931	124,149,000	124,039,648	46	117,455,229	47	118,148,987
1983	234,307,000	233,792,000	1930	123,188,000	123,076,741	46	116,544,946	47	117,238,278
1982	232,188,000	231,664,000	1929		121,769,939	46	115,317,450	46	115,317,450
1981	229,966,000	229,466,000	1928		120,501,115	44	113,636,160	44	113,636,160
1980	227,061,000	226,545,805	1927		119,038,062	40	104,320,830	42	107,084,532
1979	225,055,000	224,567,000	1926		117,399,225	35	90,400,590	41	103,822,683
1978	222,585,000	222,095,000	1925		115,831,963	33	88,294,564	40	102,031,555
1977	220,239,000	219,760,000	1924		114,113,463	33	87,000,295	39	99,318,098
1976	218,035,000	217,563,000	1923		111,949,945	30	81,072,123	38	96,788,197
1975	215,973,000	215,465,000	1922		110,054,778	30	79,560,746	37	92,702,901
1974	213,854,000	213,342,000	1921		108,541,489	27	70,807,090	34	87,814,447

1973	211,909,000	211,357,000	1920		106,466,420	23	63,597,307	34	86,079,263	
1972	209,896,000	209,284,000	1919	105,063,000	104,512,110	22	61,212,076	33	83,157,982	
1971	207,661,000	206,827,000	1918	104,550,000	103,202,801	20	55,153,782	30	79,008,412	
1970	204,270,000	203,211,926	1917	103,414,000	103,265,913	20	55,197,952	27	70,234,775	
1969	202,677,000	201,385,000	1916		101,965,984	11	32,944,013	26	66,971,177	
1968	200,706,000	199,399,000	1915		100,549,013	10	31,096,697	24	61,894,847	
1967	198,712,000	197,457,000	1914		99,117,567	...	...	24	60,963,309	
1966	196,560,000	195,576,000	1913		97,226,814	...	...	23	58,156,740	
1965	194,303,000	193,526,000	1912		95,331,300	...	...	22	54,847,700	
1964	191,889,000	191,141,000	1911		93,867,814	...	...	22	53,929,644	
1963	189,242,000	188,483,000	1910		92,406,536	...	...	20	47,470,437	
1962	186,538,000	185,771,000	1909		90,491,525	...	...	18	44,223,513	
1961	183,691,000	182,992,000	1908		88,708,976	...	...	17	38,634,759	
1960	179,933,000	179,323,175	1907		87,000,271	...	...	15	34,552,837	
1959	177,264,000	176,513,000	1906		85,436,556	...	...	15	33,782,288	
1958	174,141,000	173,320,000	1905		83,819,666	...	...	10	21,767,980	
1957	171,274,000	170,371,000	1904		82,164,974	...	...	10	21,332,076	
1956	168,221,000	167,306,000	1903		80,632,152	...	...	10	20,943,222	
1955	165,275,000	164,308,000	1902		79,160,196	...	...	10	20,582,907	
1954	162,391,000	161,164,000	1901		77,585,128	...	...	10	20,237,453	
1953	159,565,000	158,242,000	1900		76,094,134	...	...	10	19,965,446	
1952	156,954,000	155,687,000								
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, 2004**

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population	293,655,404	238,268,102	38,600,765	3,148,484	13,638,053
Female population					
15-44 years	62,033,402	48,758,090	9,115,649	745,279	3,414,384
10-14 years	10,314,017	7,970,814	1,749,557	149,173	444,473
15-19 years	10,094,408	7,882,326	1,623,541	146,719	441,822
15-17 years	6,074,126	4,730,761	991,660	88,794	262,911
18-19 years	4,020,282	3,151,565	631,881	57,925	178,911
20-24 years	10,168,314	7,948,811	1,569,086	137,971	512,446
25-29 years	9,566,092	7,424,518	1,427,396	115,539	598,639
30-34 years	10,129,814	7,877,175	1,458,754	111,792	682,093
35-39 years	10,481,803	8,290,818	1,472,528	111,698	606,759
40-44 years	11,592,971	9,334,442	1,564,344	121,560	572,625
45-49 years	11,204,882	9,126,191	1,442,853	111,542	524,296

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 (OMB) standards. The multiple-race population estimates were bridged to the single race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 41.

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, 2004

[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	41,322,073	27,239,634	3,796,668	1,615,256	8,670,410	252,333,331	199,775,516	36,921,613
<b>Female population</b>								
15-44 years	9,675,716	6,342,530	895,458	280,672	2,157,027	52,357,686	39,792,952	8,690,960
10-14 years	1,849,239	1,287,209	192,908	47,645	321,475	8,464,778	6,270,957	1,661,367
15-19 years	1,610,907	1,063,976	169,131	36,712	341,085	8,483,501	6,398,834	1,550,705
15-17 years	978,802	643,799	101,899	25,850	207,252	5,095,324	3,830,286	946,674
18-19 years	632,105	420,177	67,232	10,862	133,833	3,388,177	2,568,548	604,031
20-24 years	1,692,204	1,152,713	140,572	32,568	366,353	8,476,110	6,383,764	1,495,431
25-29 years	1,746,376	1,187,946	149,086	42,753	366,575	7,819,716	5,804,787	1,350,322
30-34 years	1,707,611	1,143,451	149,322	46,282	368,555	8,422,203	6,289,881	1,384,303
35-39 years	1,531,559	958,065	144,142	61,685	367,660	8,950,244	6,868,928	1,405,377
40-44 years	1,387,059	836,379	143,205	60,672	346,799	10,205,912	8,046,758	1,504,822
45-49 years	1,124,013	632,549	121,460	53,200	316,809	10,080,869	8,082,874	1,394,156

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

2 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 (OMB) standards. The multiple-race population estimates were bridged to the single race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 44.



**4-4. Estimated total population and female population aged 15-44 years:  
United States, each state, and territory: July 1, 2004**

<b>Geographic area</b>	<b>Total population</b>	<b>Females 15-44 years</b>
United States	293,655,404	62,033,402
Alabama	4,530,182	953,205
Alaska	655,435	138,894
Arizona	5,743,834	1,178,796
Arkansas	2,752,629	564,382
California	35,893,799	7,737,852
Colorado	4,601,403	995,583
Connecticut	3,503,604	715,420
Delaware	830,364	178,248
District of Columbia	553,523	136,276
Florida	17,397,161	3,401,004
Georgia	8,829,383	1,980,901
Hawaii	1,262,840	247,068
Idaho	1,393,262	291,644
Illinois	12,713,634	2,711,823
Indiana	6,237,569	1,300,718
Iowa	2,954,451	602,688
Kansas	2,735,502	568,540
Kentucky	4,145,922	875,838
Louisiana	4,515,770	980,207
Maine	1,317,253	266,261
Maryland	5,558,058	1,197,939
Massachusetts	6,416,505	1,389,346
Michigan	10,112,620	2,112,016
Minnesota	5,100,958	1,095,018
Mississippi	2,902,966	627,018
Missouri	5,754,618	1,209,678
Montana	926,865	183,589
Nebraska	1,747,214	362,935
Nevada	2,334,771	484,917
New Hampshire	1,299,500	272,632
New Jersey	8,698,879	1,796,444
New Mexico	1,903,289	394,725
New York	19,227,088	4,119,291
North Carolina	8,541,221	1,814,855
North Dakota	634,366	129,654
Ohio	11,459,011	2,375,500
Oklahoma	3,523,553	730,010
Oregon	3,594,586	738,861
Pennsylvania	12,406,292	2,493,556
Rhode Island	1,080,632	232,239
South Carolina	4,198,068	889,545
South Dakota	770,883	156,547
Tennessee	5,900,962	1,255,897
Texas	22,490,022	4,929,807
Utah	2,389,039	549,253

Vermont	621,394	126,655
Virginia	7,459,827	1,599,066
Washington	6,203,788	1,324,693
West Virginia	1,815,354	357,916
Wisconsin	5,509,026	1,156,113
Wyoming	506,529	102,339
Puerto Rico	3,894,855	853,843
Virgin Islands	108,775	22,581
Guam	166,090	37,124
American Samoa	57,902	12,946
Northern Marianas	78,252	31,112

Source: National Center for Health Statistics. Unpublished estimates of the July 1, 2004, United States population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau, 2004.

Volume 55, Number 1

September 29, 2006

## Births: Final Data for 2004

by Joyce A. Martin, M.P.H.; Brady E. Hamilton, Ph.D.; Paul D. Sutton, Ph.D.;  
Stephanie J. Ventura, M.A.; Fay Menacker, Dr. P.H.; and Sharon Kirmeyer, Ph.D., Division of Vital Statistics

### Abstract

**Objectives**—This report presents 2004 data on U.S. births according to a wide variety of characteristics. Data are presented for maternal demographic characteristics including age, live-birth order, race, Hispanic origin, marital status, and educational attainment; maternal lifestyle and health characteristics (medical risk factors, weight gain, and tobacco use); medical care utilization by pregnant women (prenatal care, obstetric procedures, characteristics of labor and/or delivery, attendant at birth, and method of delivery); and infant

characteristics (period of gestation, birthweight, Apgar score, 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 4.1 million births that occurred in 2004 are presented.

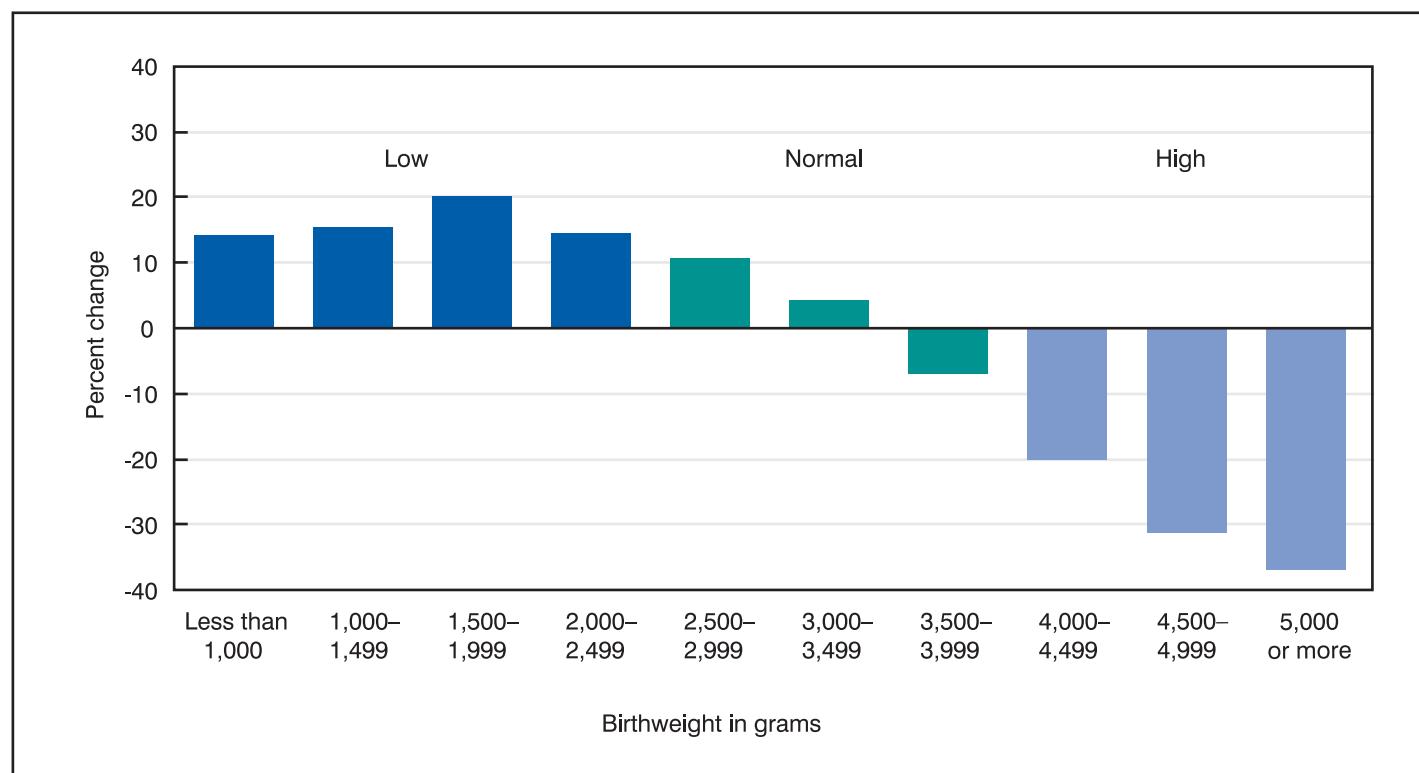


Figure 1. Percentage change in birthweight by 500 gram intervals: United States, 1990 and 2004

### Acknowledgments

This report was prepared under the general direction of Charles J. Rothwell, Director of the Division of Vital Statistics (DVS) and Stephanie J. Ventura, Chief of the Reproductive Statistics Branch (RSB). Nicholas F. Pace, Chief of the Systems, Programming, and Statistical Resources Branch (SPSRB), and Steve Steimel, Candace Cosgrove, Sergey Yagodin, Jaleh Mousavi, Jordan Sacks, Annie Liu, Manju Sharma, Bonita Gross, and Thomas D. Dunn provided computer programming support and statistical tables. Yashodhara Patel of RSB also provided statistical tables. Steve Steimel of SPSRB prepared the natality file. Sharon Kirmeyer, T.J. Mathews, Yashodhara Patel, and Martha L. Munson of RSB and Thomas D. Dunn of SPSRB provided content review. Staff of the Data Acquisition and Evaluation Branch carried out quality evaluation and acceptance procedures for the state data files on which this report is based. The Registration Methods staff of DVS consulted with state vital statistics offices regarding the collection of birth certificate data. This report was edited by Demarius V. Miller, Office of Information Services, Information Design and Publishing Staff; typeset by Jacqueline M. Davis, CoCHIS/NCHM/Division of Creative Services; and graphics were produced by NOVA contractor, Kyung Park, CoCHIS/NCHM/Division of Creative Services.

Denominators for population-based rates are post-censal estimates derived from the U.S. 2000 census.

**Results**—In 2004, 4,112,052 births were registered in the United States, less than 1 percent more than the number in 2003. The crude birth rate declined slightly; the general fertility rate increased by less than 1 percent. Childbearing among teenagers and women aged 20–24 years declined to record lows. Rates for women aged 25–34 and 45–49 years were unchanged, whereas rates for women aged 35–44 years increased. All measures of unmarried childbearing rose in 2004. Smoking during pregnancy continued to decline. No improvement was seen in the timely initiation of prenatal care. The cesarean delivery rate jumped 6 percent to another all-time high, whereas the rate of vaginal birth after previous cesarean fell by 13 percent. Preterm and low birthweight rates continued their steady rise. The twinning rate increased, but the rate of triplet and higher order multiple births was down slightly.

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

## Highlights

- In 2004, 4,112,052 births were registered in the United States, 22,102 more than in 2003. Births increased for Hispanic women, were essentially unchanged for non-Hispanic black women, and declined for non-Hispanic white women.
- The crude birth rate for the U.S. in 2004 declined slightly from 2003, to 14.0 live births per 1,000 total population. However, the general fertility rate in 2004 increased slightly from the 2003 rate, to 66.3 live births per 1,000 women aged 15–44 years. Fertility rates for non-Hispanic white and non-Hispanic black women were essentially unchanged between 2003 and 2004; the rate for Hispanic women increased by 1 percent. Fertility also increased for Asian or Pacific Islander (API) women, but was essentially unchanged for American Indian or Alaska Native (AIAN) women.
- The **birth rate for teenagers** declined 1 percent in 2004 to 41.1 births per 1,000 women aged 15–19 years. The rate has dropped one-third since its recent peak in 1991. The rates for teenage

subgroups 15–17 and 18–19 years each fell 1 percent, to 22.1 and 70.0, respectively. These reductions were the smallest since the downward trend began after 1991. The rate for the youngest teenagers, 10–14 years, rose slightly from 0.6 to 0.7 per 1,000 in 2004, the first increase since 1988–89. Among population subgroups, rates fell 2 to 3 percent for non-Hispanic white and black teenagers 15–19 years. Since 1991, the rate for black teenagers has fallen almost one-half, from 118.2 to 63.1 per 1,000, whereas rates for non-Hispanic white, AIAN, and API teenagers dropped 36–38 percent. The rate for Hispanic teenagers declined 21 percent over this period, but there was very little change in the rate for 2004.

- The **birth rate for women aged 20–24 years** declined to 101.7 births per 1,000 women in 2004, marking another record low. The birth rate for **women aged 25–29 years**, 115.5 births per 1,000 women, was not significantly different from the rate in 2003. The **birth rate for women aged 30–34 years** was 95.3 births per 1,000, the highest level since 1964 but not significantly different from the rate in 2003, whereas the **birth rate for women aged 35–39 years** was up 4 percent, to 45.4 births per 1,000 women. The **birth rate for women aged 40–44 years** rose by 2 percent, to 8.9. The birth rate for women aged 45–49 years was unchanged. A total of 374 births to women aged 50–54 years were reported in 2004.
- The **first birth rate** declined slightly between 2003 and 2004, to 26.4 births per 1,000 women aged 15–44 years. First birth rates for women aged 10–14 and 45–49 years were unchanged between 2003 and 2004, whereas the rates for women in all 5-year age groups 15–34 years decreased by 1 percent. The rates for women aged 35–39 and 40–44 years increased by 3 and 5 percent, respectively.
- The **mean or average age at first birth** for the United States in 2004 was 25.2 years, unchanged from 2003. Mean age at first birth for non-Hispanic white, non-Hispanic black, and Hispanic women was unchanged between 2003 and 2004. Mean age at first birth was highest for API women, 28.4 years, and lowest for American Indian or Alaska Native women, 21.8 years.
- For the second consecutive year, all measures of **childbearing by unmarried women** rose. The **birth rate** rose 3 percent to 46.1 per 1,000 unmarried women aged 15–44 years in 2004, essentially matching the previous high point recorded in 1994. During the years 1995–2002 the rate was fairly stable. The **number of births to unmarried women** climbed 4 percent, to 1,470,189, the highest number ever recorded in the more than six decades for which comparable national statistics are available. The **proportion of all births to unmarried women** increased to 35.8 percent in 2004. Birth rates for unmarried teenagers continued to fall, though more modestly than in previous years, whereas rates for unmarried women aged 20 years and over continued to increase. Unmarried teenagers accounted for only 24 percent of all non-marital births in 2004, whereas unmarried women in their twenties accounted for 59 percent.
- **Cigarette smoking** during pregnancy was reported in two distinct formats in 2004. For the nearly three-quarters of births in states asking about tobacco use with a simple “yes/no” question, 10.2 percent of their mothers reported smoking in 2004, down slightly compared with 2003 (10.4 percent). Among the seven

states that reported this information from a revised question asking for tobacco use in each trimester of pregnancy, 16.3 percent reported smoking at some point during pregnancy. The higher level reflects both higher smoking prevalence in those states and the more specific focus of the revised question, capturing smoking at three separate points during pregnancy. Infants born to mothers who smoke are substantially more likely than infants born to nonsmokers to be low birthweight (LBW). For the seven states collecting information using the revised question, the LBW levels were 11.9 percent for births to smokers and 7.2 percent for non-smokers.

- **Timely initiation of prenatal care** does not appear to have improved in the United States in 2004. For the 41-state reporting area for which comparable data are available, 83.9 percent of women began care in the first trimester of pregnancy, essentially unchanged from 2003. No improvement was reported in the percentage of women with late (care beginning in the last trimester of pregnancy) or no care for 2003–2004 (3.6 percent). Prenatal care utilization had improved modestly, but fairly steadily between 1990 and 2003.
- The **rate of induction of labor** increased for 2003–2004 to 21.2 percent. This is more than twice the 1990 rate (9.5 percent).
- Between 2003 and 2004, the **rate of cesarean delivery** increased by 6 percent to 29.1 percent of all births, the highest rate ever reported in the U.S. After falling between 1989 and 1996, the cesarean rate has risen by 41 percent. The primary rate increased 8 percent, and the rate of vaginal birth after cesarean delivery (VBAC) fell by 13 percent for 2003–2004.
- The **preterm birth rate** rose 2 percent in 2004, to 12.5 percent of all births. The percentage of infants delivered preterm (less than 37 completed weeks of gestation) has climbed 18 percent since 1990. Increases for 2003–2004 were reported among both very preterm (less than 32 weeks) and moderately preterm (32–36 weeks) births. Although multiple births have contributed importantly to this recent rise, preterm rates for singletons have also increased, up 11 percent since 1990. Nearly all of the increase in the singleton preterm rate is among late preterm (34–36 week) births. All preterm infants are at heightened risk of morbidity and mortality compared with infants born at higher gestational ages.
- The **low birthweight (LBW) rate** rose to 8.1 percent in 2004, the highest level reported since 1969. The percentage of infants born at less than 2,500 grams has increased 16 percent since 1990. In contrast, large reductions in the percentage of heavier birth-weight infants (3,500 grams or greater or 7 lb 12 oz or more) are seen since 1990 (**Figure 1**). Increases in LBW between 2003 and 2004 are seen for very low (less than 1,500 grams) and moderately LBW (1,500–2,499 grams) infants, and for each of the largest racial/ethnic groups. The LBW rate for infants born in single deliveries (multiple births have a large influence on overall LBW levels) also rose for 2003–2004, and is up 7 percent since 2000.
- The **twin birth rate** rose 2 percent in 2004, to 32.3 twins per 1,000 births, another record high. The twinning rate has climbed 42 percent since 1990 and 70 percent since 1980. The rate of triplet/+ births declined 6 percent for 2004, to 176.9 per 100,000 births. The triplet/+ birth rate soared 400 percent between 1980 and 1998, but has trended slightly downward since. Twins and triplets/+ are on average born much smaller than infants born in single deliveries.

On average twins weigh more than 2 lb and triplets more than 3 lb less than singletons.

## Introduction

This report presents detailed data on numbers and characteristics of births in 2004, 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 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 LBW and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 2004 presented data on selected topics based on a substantial sample (99.1 percent) of the 2004 birth file (1). Findings for the selected measures (age, race, Hispanic origin, marital status of mother, live-birth order, prenatal care, maternal smoking, cesarean delivery, preterm births, and LBW) 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 that is issued for each year. The data file has been 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) website at <http://www.cdc.gov/nchs/datawh/statab/unpubd/nativity/natab2001.htm> (2,3).

## The 1989 and the 2003 Revisions of the U.S. Certificate of Live Birth

This report includes 2004 data on items that are collected on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 Revision of the U.S. Standard Certificate of Live Birth (revised). The 2003 revision is described in detail elsewhere (4–6). Pennsylvania and Washington implemented the revised certificate in 2003; five states, Idaho, Kentucky, New York (excluding New York City), South Carolina, and Tennessee implemented as of January 1, 2004. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven revised states, for which data are available for all of 2004, represent 14 percent of all births.

Data items exclusive to either the 1989 (i.e., maternal anemia, ultrasound, and alcohol use) or the 2003 birth certificate revision (i.e., use of infertility treatment, NICU admission, and maternal morbidity) are

not shown in this report. Supplemental 2004 tables for data exclusive to the 1989 revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)), including alcohol use during pregnancy. A forthcoming report will present selected information exclusive to the 2003 revision.

## 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 (7). 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.

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: non-Hispanic white, non-Hispanic black, and Hispanic. Data for American Indian or Alaska Native (AIAN) 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 in some tables for four specific Hispanic subgroups: Mexican, Puerto Rican, Cuban, and Central and South American, and for an additional subgroup referred to as "other and unknown Hispanic." Text references to black births and black mothers or white births and white mothers are used interchangeably for ease in writing.

In 1997, the Office of Management and Budget (OMB) issued "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity" (8–10). The 1997 revised standards incorporated two major changes designed to reflect the changing racial and ethnic profile 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 1977 standards required federal agencies to report race-specific tabulations using a minimum set of four single-race categories: AIAN, API, black, and white. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. 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 1997 revised standards. 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 all of the States revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see "Population denominators"). In order to compute rates, it is necessary to bridge population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

For the 2004 data year, multiple race was reported by California, Florida (for births occurring from March 1, 2004, only), Hawaii, Idaho,

Kentucky, Michigan (for births at selected facilities only), Minnesota, New Hampshire (for births occurring from July 19, 2004, only), New York State (excluding New York City), Ohio, Pennsylvania, South Carolina, Tennessee, Utah, and Washington. Data from the vital records of the remaining states, the District of Columbia, and New York City followed the 1977 OMB standards in which a single race is reported (8,9). In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards, compared with the minimum of five races for the 1997 standards.

To provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to bridge the responses of those who reported more than one race to a single race. Multiple race is imputed to a single race (one of the following: AIAN, API, black, or white) according to the combination of races, Hispanic origin, sex, and age indicated on the birth certificate of the mother or father (10–13); see "[Technical Notes](#)." The bridging procedure imputes multiple race of mothers as reported on the birth certificate to one of the four minimum races stipulated in the 1977 OMB standards, that is, AIAN, API, black, or white. Mothers of a specified API subgroup, that is, Chinese, Japanese, Hawaiian, or Filipino, in combination with another race, that is, AIAN, black, or white, or another API subgroup cannot be imputed to a particular API subgroup. For this report, data are not shown for the specified API subgroups because of this change (4,14); see "[Technical Notes](#)." Reports on 2003 and 2004 births to multiple-race women are forthcoming.

Changes in the processing of information on Hispanic origin for the 2003 Revision of the U.S Standard Certificate of Live Birth (revised) allows for the capturing of multiple Hispanic subgroups for the nine states that implemented the revised certificate, and for Minnesota, which used the 1989 Revision of the U.S. Standard Certificate of Live Birth in 2004. Mothers reporting more than one Hispanic origin subgroup represented 1.5 percent of all 2004 births and are classified as "other and unknown" Hispanic; see "[Technical Notes](#)."

Information on educational attainment, prenatal care, and tobacco use, although collected on both the 1989 and the 2003 revisions of the U.S. Standard Certificates of Live Birth, are not considered comparable between revisions, and, accordingly, are presented separately in this report. Data on educational attainment, prenatal care, and tobacco use for the two states that revised after January 1, 2004 are excluded from all tabulations; see "[Technical Notes](#)."

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 2003. (See "[Technical Notes](#)" for additional information.) All other maternal, paternal, 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 percentages, percent distributions, and medians are computed. Levels of incomplete reporting vary substantially by specific item and by state. [Table I](#) in the "[Technical Notes](#)" provides information on the percentage of records with missing information for each item by state for 2004.

## Demographic Characteristics

### Births and birth rates

#### Number of births

In 2004, a total of 4,112,052 **births** were registered in the United States, 22,102 more than in 2003. The number of births in 2004 is the highest reported since 1990 (4,158,212). After a downward trend from 1990 to 1997, the total number of births has generally increased. (See [Tables 1–15 for national and state data by age, live-birth order, race, and Hispanic origin](#).)

The number of births to non-Hispanic white women declined by 1 percent in 2004; births to non-Hispanic black women were essentially unchanged ([Tables 1 and 5](#)). Births rose by 2 percent for American Indian or Alaska Native (AIAN) women, and 4 percent for Asian or Pacific Islander (API) and Hispanic women. Among the specified Hispanic groups, births increased by 1 percent for Cuban women, 4 percent for Mexican women, 5 percent for Puerto Rican women, and 6 percent for Central and South American women.

#### Crude birth rate

In 2004, the **crude birth rate** (CBR) was 14.0 live births per 1,000 women (total population), 1 percent lower than the rate for 2003 (14.1). After dropping steadily from 1990, the most recent peak (16.7), to 1997 (14.2), the CBR has fluctuated between 13.9 and 14.4 per 1,000 ([Tables 1 and 5](#)).

### Fertility rate

The 2004 **general fertility rate** (GFR) was 66.3 live births per 1,000 women of childbearing age (15–44 years), a slight increase over the 2003 rate (66.1), and the highest rate since 1993 (67.0). After decreasing substantially from 1990 to 1997 (from 70.9 to 63.6), then increasing moderately from 1997 to 2000, the GFR has generally fluctuated ([Figure 2 and Tables 1 and 5](#)).

The GFRs for non-Hispanic white and non-Hispanic black women were essentially unchanged between 2003 and 2004; in contrast, the rate for Hispanic women increased by 1 percent ([Table 5](#)). Among the specified Hispanic origin groups, fertility levels for Mexican women were up 1 percent and fertility levels for Puerto Rican women were up 11 percent, whereas the levels for “other” Hispanic and Cuban women were down 2 and 14 percent, respectively. The 2004 fertility rates for all race and Hispanic origin groups except Cubans were below the 1990 levels. The fertility rate for API women increased by 1 percent from 2003 to 2004; the rate for AIAN women was essentially unchanged ([Table 1](#)).

#### Age of mother

**Teenagers**—Birth rates for adolescents aged 15–19 years declined again in 2004, but at a much slower pace than reported over the dozen years extending from 1991 to 2003. The rates for 2004 were still record lows for the United States ([Tables A, 3, 4, 8, and Figures 3 and 4](#)). The **birth rate for the youngest teenagers increased** to 0.7 births per 1,000 females aged 10–14 years in 2004, compared with 0.6 in 2003; nonetheless, the 2004 rate was one-half the rate reported a decade earlier (1.4 per 1,000 in 1994) (15). The

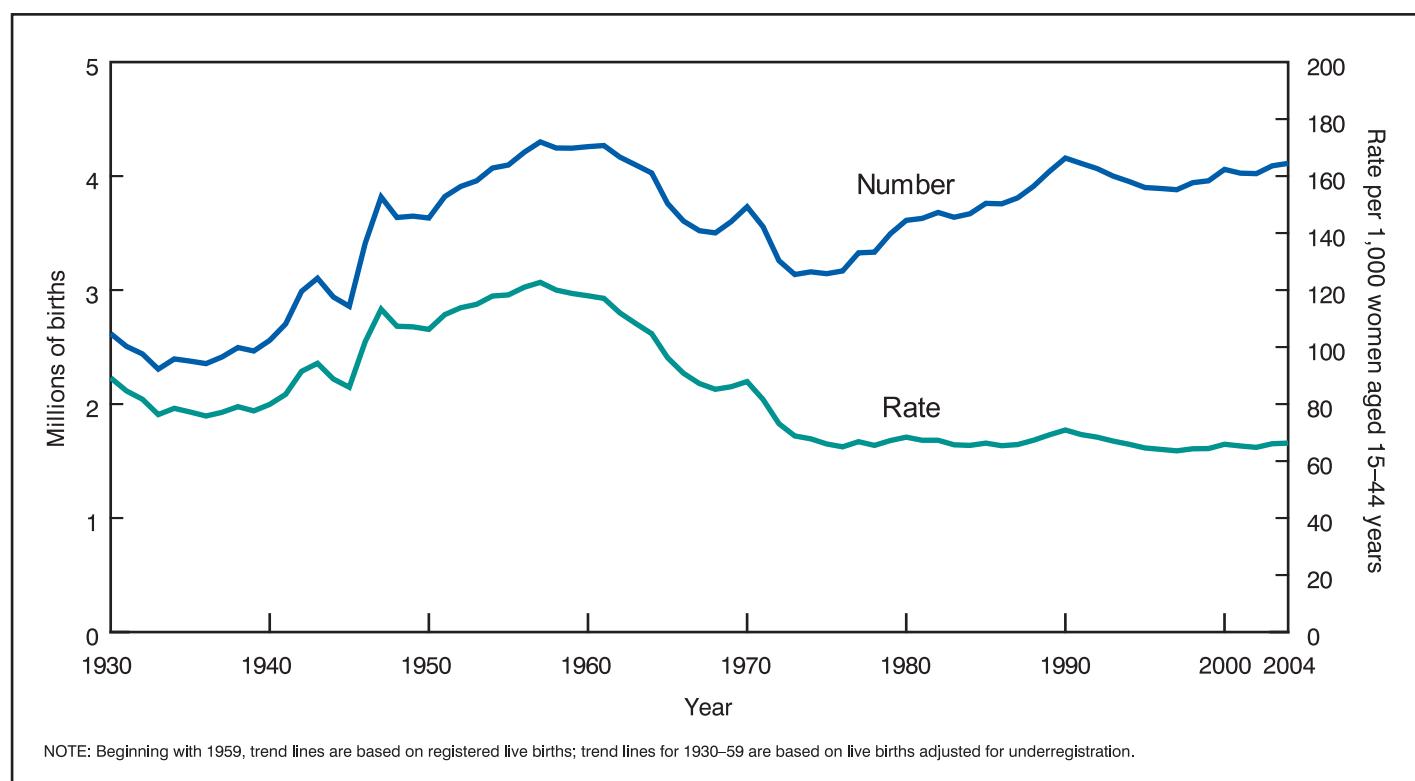


Figure 2. Live births and fertility rates: United States, 1930–2004

**Table A. Birth rates for women aged 10–19 years, by age and race and Hispanic origin of mother: United States, 1991, 2002, 2003, and 2004, and percentage change in rates, 1991–2004 and 2003–04**

[Rates per 1,000 women in specified group]

Age and race and Hispanic origin of mother					Percent change, 2003–04	Percent change, 1991–2004
	2004	2003	2002	1991		
<b>10–14 years</b>						
All races and origins <sup>1</sup> . . . . .	0.7	0.6	0.7	1.4	17	-50
Non-Hispanic white . . . . .	0.2	0.2	0.2	0.5	0	-60
Non-Hispanic black . . . . .	1.6	1.6	1.9	4.9	0	-67
American Indian total <sup>2,3</sup> . . . . .	0.9	1.0	0.9	1.6	-10	-44
Asian or						
Pacific Islander total <sup>3</sup> . . . . .	0.2	0.2	0.3	0.8	0	-75
Hispanic <sup>4</sup> . . . . .	1.3	1.3	1.4	2.4	0	-46
<b>15–19 years</b>						
All races and origins <sup>1</sup> . . . . .	41.1	41.6	43.0	61.8	-1	-33
Non-Hispanic white . . . . .	26.7	27.4	28.5	43.4	-3	-38
Non-Hispanic black . . . . .	63.1	64.7	68.3	118.2	-2	-47
American Indian total <sup>2,3</sup> . . . . .	52.5	53.1	53.8	84.1	-1	-38
Asian or						
Pacific Islander total <sup>3</sup> . . . . .	17.3	17.4	18.3	27.3	-1	-37
Hispanic <sup>4</sup> . . . . .	82.6	82.3	83.4	104.6	0	-21
<b>15–17 years</b>						
All races and origins <sup>1</sup> . . . . .	22.1	22.4	23.2	38.6	-1	-43
Non-Hispanic white . . . . .	12.0	12.4	13.1	23.6	-3	-49
Non-Hispanic black . . . . .	37.1	38.7	41.0	86.1	-4	-57
American Indian total <sup>2,3</sup> . . . . .	30.0	30.6	30.7	51.9	-2	-42
Asian or						
Pacific Islander total <sup>3</sup> . . . . .	8.9	8.8	9.0	16.3	1	-45
Hispanic <sup>4</sup> . . . . .	49.7	49.7	50.7	69.2	0	-28
<b>18–19 years</b>						
All races and origins <sup>1</sup> . . . . .	70.0	70.7	72.8	94.0	-1	-26
Non-Hispanic white . . . . .	48.7	50.0	51.9	70.6	-3	-31
Non-Hispanic black . . . . .	103.9	105.3	110.3	162.2	-1	-36
American Indian total <sup>2,3</sup> . . . . .	87.0	87.3	89.2	134.2	0	-35
Asian or						
Pacific Islander total <sup>3</sup> . . . . .	29.6	29.8	31.5	42.2	-1	-30
Hispanic <sup>4</sup> . . . . .	133.5	132.0	133.0	155.5	1	-14

<sup>1</sup>Includes origin not stated.

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

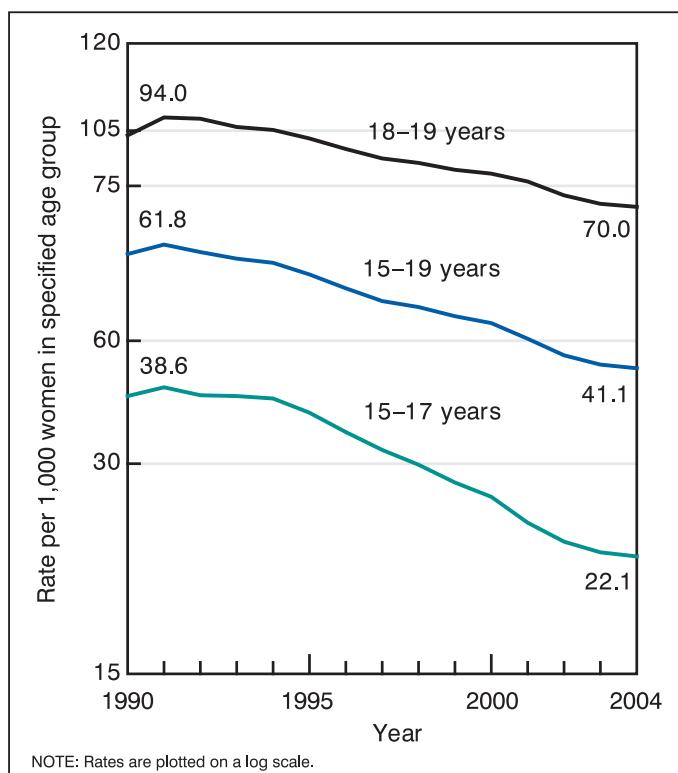
<sup>3</sup>Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

increase in the birth rate resulted in a 2 percent increase in the number of births in this age group, to 6,781, the first increase among the youngest teenagers since 1993–94.

The birth rate for teenagers 15–19 years declined 1 percent to 41.1 births per 1,000 females (Tables A, 4, and 9). The 2004 rate was 33 percent lower than the rate for the recent peak in 1991 (61.8). There was a fractional increase in the number of births to teenagers 15–19 years, entirely resulting from the 1 percent increase in the number of female teenagers (16) (2004 estimates shown in "Technical Notes" Table II). In 2004, 415,262 babies were born to adolescents 15–19 years.



**Figure 3. Birth rates for teenagers: United States, 1990–2004**

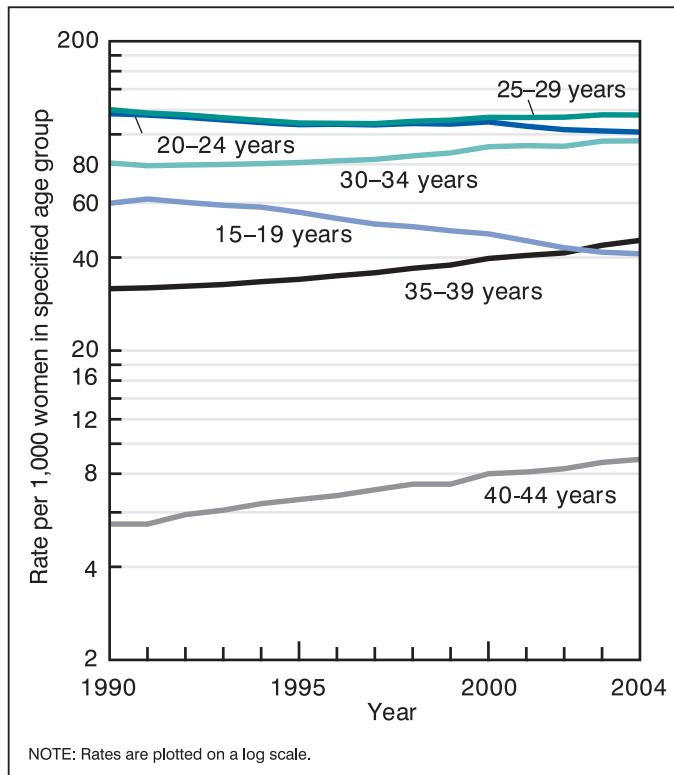
**Birth rates for teenagers 15–17 and 18–19 years** each dropped 1 percent in 2004, to 22.1 and 70.0 per 1,000, respectively. Overall since 1991, the rate for teenagers 15–17 years fell 43 percent, whereas the rate for older teenagers declined 26 percent. Births to 15–17-year-olds fell to 133,980, the fewest in more than half a century (126,941 in 1950), whereas births to older teenagers increased slightly to 281,282.

Generally, the declines in teenage birth rates for ages 15–19 years in 2004 were strongest among non-Hispanic white and non-Hispanic black females, for whom rates fell 2 to 3 percent. The rate declined 1 percent for AIAN teenagers, increased slightly for Hispanic teenagers, and were essentially unchanged for API teenagers. Among Hispanic subgroups, rates increased for both Mexican teenagers (95.5 per 1,000 aged 15–19 years) and Puerto Rican teenagers (62.6). In 2004, the overall rate remained highest for Mexican teenagers, and lowest for API teenagers, 17.3. Rates for other population groups were 63.1 for non-Hispanic black, 52.5 for AIAN, and 26.7 for non-Hispanic white teenagers.

Throughout the period of steady decline from 1991 to 2004, the sharpest declines were for non-Hispanic black teenagers. Overall, their rate fell 47 percent during this period, but for young black teenagers 15–17 years, the rate dropped more than one-half, from 86.1 per 1,000 in 1991 to 37.1 in 2004 (Table A). Trends in state-specific teenage birth rates are discussed in the section "Births and birth rates by state."

#### Teenage pregnancy rates fell substantially from 1990 to 2000.

Pregnancy rates are computed from the sums of live births, induced abortions, and fetal losses. Currently, teenage pregnancy rates are available through 2000, the most recent year for which detailed national abortion estimates are available (17–20). The teenage pregnancy rate in 2000 was 84.5 per 1,000 females aged 15–19 years, the lowest rate



**Figure 4. Birth rates by age of mother: United States, 1990–2004**

reported since 1976, when the Centers for Disease Control and Prevention (CDC) NCHS series of national estimates first became available (19,20). The rate dropped 27 percent from its 1990 peak (116.3) to 2000. The decline in the pregnancy rate during 1990–2000 is reflected in declines in live birth and induced abortion rates, with larger declines reported for abortions. While national abortion data for years since 2000 are not available, information from CDC's Abortion Surveillance system for 2001 and 2002 for 46 states and the District of Columbia suggest continued declines in the numbers and rates of abortions for teenagers (21,22). These declines together with the declines in birth rates among teenagers indicate that teenage *pregnancy rates* have continued to fall. An analysis of recent trends in pregnancies is in preparation.

Analyses of the 2002 National Survey of Family Growth (NSFG) suggest a number of factors that likely account for the falling pregnancy rates (23). According to the 2002 NSFG, the proportions of young teenage males and females (ages 15–17 years) who had ever had sexual intercourse declined significantly in comparison with the 1995 NSFG and the 1995 National Survey of Adolescent Males. There were also declines for males 18–19 years. At the same time, the use of contraception increased in ways indicating more effective and consistent use. About three out of four teenagers used a method of contraception at first intercourse, and the overwhelming majority (83 percent of females and 91 percent of males) used a method at their most recent sex. The 2002 NSFG also reported that the use of highly effective hormonal methods such as Depo Provera™ and Lunelle™ increased, as did the use of dual methods, such as the condom with a hormonal method. Data for 2005 from CDC's Youth Risk Behavior Survey for school-age youth substantiate the NSFG findings for teenagers' contraceptive use at their most recent sexual intercourse (24). Since the

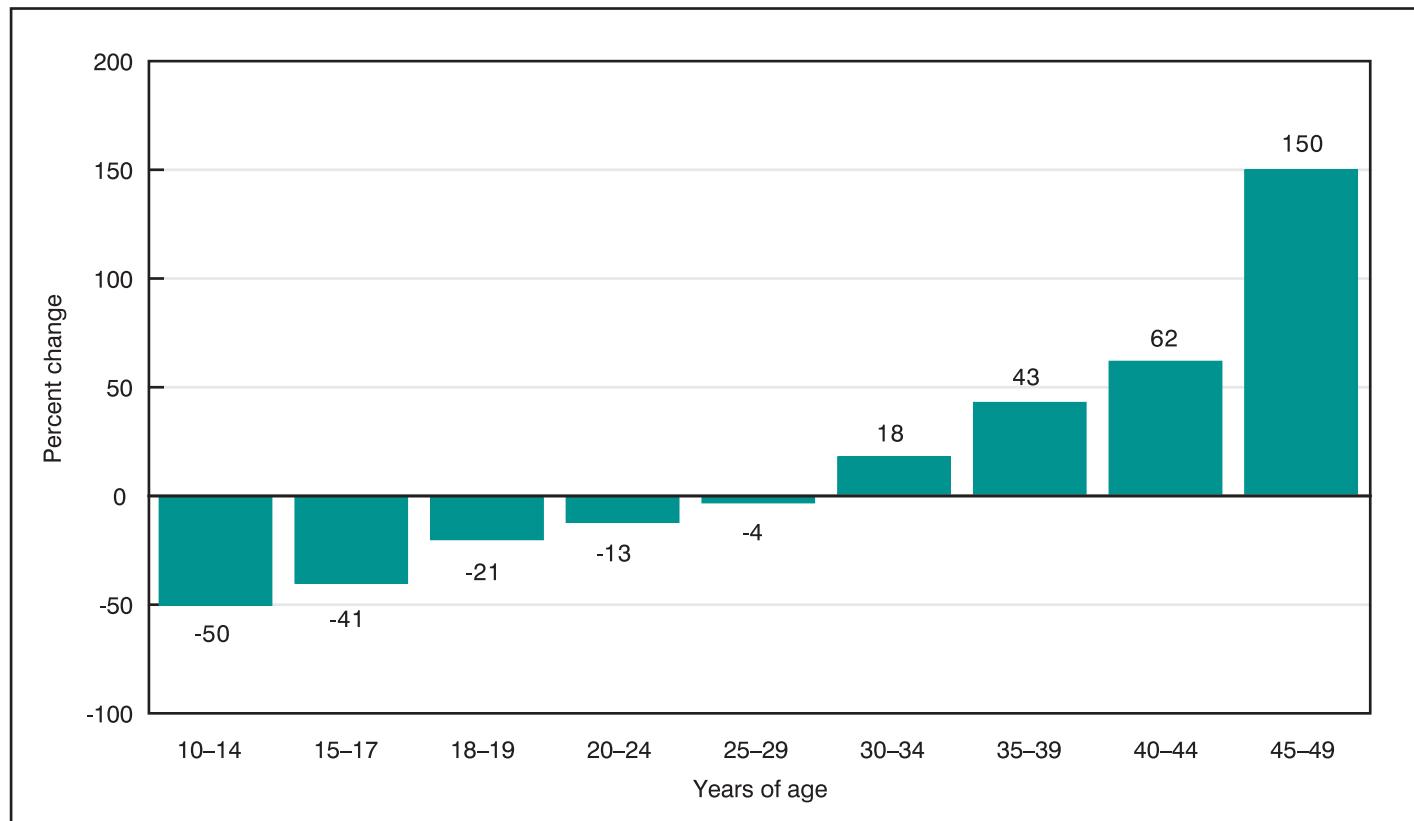
mid-1990s, many private and public efforts have focused teenagers' attention on the importance of pregnancy prevention through abstinence and responsible behavior (25,26).

**Women aged 20 years and over: Women in their twenties—**The **birth rate for women aged 20–24 years** was 101.7 births per 1,000 women in 2004, down 1 percent from 2003 (102.6). This is fourth consecutive decline in this rate and marks another record low for this age group for the United States (3). Since 1990, the rate has generally declined, down 13 percent from 116.5 per 1,000 (**Figures 4, 5, and Tables 3, 4, 7, and 8**). The **rate for women aged 25–29 years** in 2004, 115.5 births per 1,000 women, was not significantly different from the rate in 2003. Between 1990 and 1997, the rate for this age group steadily declined but has generally risen since 1998. Women aged 20–29 years, the principal childbearing ages, historically account for the largest share of all births. However, the proportion of births to these women has declined over the last three decades, falling from 65 percent in 1976 to 52 percent of all births in 2004. The distinct differences in trends in birth rates by age for 1990–2004 are illustrated in **Figure 5**.

**Women in their thirties—**The **birth rate for women aged 30–34 years** in 2004 was 95.3 births per 1,000 women, the highest level since 1964 but not significantly different from the rate in 2003 (95.1) (**Tables 4 and 8**). Between 1991 and 2004, the rate rose by 20 percent. During that period, the *number of births* to women aged 30–34 years increased by 9 percent, entirely reflecting the increase in the birth rates; the *population* of women in this age group declined by 9 percent. The **birth rate for women aged 35–39 years** was 45.4 births per 1,000 women, up 4 percent from the rate in 2003 (43.8). The rate for this age group has increased each year since 1978 (19.0) and has risen 43 percent since only 1990 (31.7). The number of births to women aged 35–39 years reached yet another record high in 2004 (475,606) (**Tables 2 and 6**). From 1990 to 2004, the *number of births* to this age group rose by 50 percent, compared with a 5-percent increase in the *population* of women aged 35–39 years (16,27).

**Women in their forties—**In 2004, the **birth rate for women aged 40–44 years** rose to 8.9 births per 1,000 women from 8.7 births in 2003, an increase of 2 percent. The rate for this age group is the highest since 1968 (9.6), and more than double the 1981 rate (3.8), the lowest on record. Since 1981, the rate for this age group has generally increased and has risen 62 percent since 1990 (5.5). The number of births to women aged 40–44 years increased by 3 percent during 2003–04, from 101,005 to 103,769, more than twice the number reported for 1990 and the highest number on record for the United States; the population of women aged 40–44 years increased only slightly (by less than 1 percent from 2003 to 2004) (16,27). The **birth rate for women aged 45–49 years** was unchanged between 2003 and 2004, at 0.5 births per 1,000 women. This rate more than doubled between 1990 and 2000 but has remained stable since. The number of births to women aged 45–49 years increased 4 percent, from 5,522 to 5,748 between 2003 and 2004, more than three times the number for 1990 (1,638), and the highest reported since 1939.

**Births to women aged 50 years and over—**The number of births to women aged 50–54 years increased from 323 to 374 for 2003–04 (**Tables 2 and 6**). The number of births to women in this age group has increased dramatically from 144 in 1997, when data for women 50–54 years became available again. (From 1964 to 1996, age of mother was imputed if the reported age was under 10 years or aged 50 years and over; see "[Technical Notes](#)."



**Figure 5. Percentage change in birth rates by age of mother: United States, 1990 and 2004**

Because of small numbers, births to women aged 50–54 years historically have been included with births to women aged 45–49 years when computing birth rates by age of mother (the denominator for the rate is women aged 45–49 years). To estimate the incidence of births for women aged 45–49 and 50–54 years separately, we calculated rates for these age groups for 2003 and 2004. Rates are expressed *per 10,000 women* because of the small number of births to women aged 50–54 years. The birth rate for women aged 50–54 years was 0.4 births per 10,000 women in this age group in the U.S. population, significantly higher than the 0.3 births per 10,000 in 2003. Excluding births to women aged 50–54 years had essentially no impact on the birth rate for women aged 45–49 years.

The increase in birth rates for women 35 years of age and over during the last 20 years has been linked, in part, to the use of fertility-enhancing therapies (28). The proportion of childless women aged 35–44 years reporting impaired fecundity who sought fertility treatment rose considerably from 1982 to 1995, although the proportion has leveled off from 1995 to 2002 (29,30). In 2004, 1 out of 18 births to women aged 35 years and over was in a multiple delivery, an outcome associated with infertility treatment, compared with 1 out of 33 births to women under 35 years of age (see section on “Multiple births”). The incidence of multiple deliveries dramatically increases with the age of mother; for example, one out of five births to women aged 45–49 years and one out of every two births to women aged 50–54 years was a multiple birth in 2004.

### Live-birth order

The first birth rate for women aged 15–44 years was 26.4 births per 1,000 women in 2004, a slight decline from 2003 (26.5)

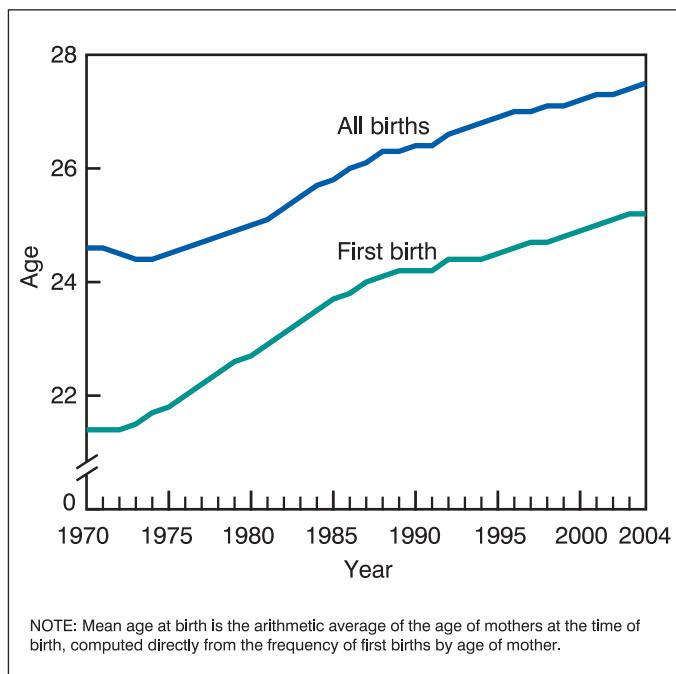
(Tables 3 and 7). The first birth rate dropped steadily between 1990 (29.0) and 1997 (25.9), and has since fluctuated moderately (Table 9).

First birth rates for women aged 10–14 and 45–49 years were unchanged between 2003 and 2004, whereas the rates for women in each 5-year age group 15–34 years decreased by 1 percent on average; rates for women aged 35–39 and 40–44 years increased by 3 and 5 percent, respectively.

The rates for third- and fourth-order births for women aged 15–44 years increased by 1 and 2 percent, respectively, from 2003 to 2004, whereas rates of second-, fifth-, sixth and seventh-, and eighth and higher-order births were unchanged.

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 in 2004 was 25.2 years, unchanged from the record high set for the United States in 2003 (Tables 10, 14, 15). Since 1970, the mean age at first birth has increased 3.8 years, compared with a 2.9 year increase in the total mean age of mother at birth (Figure 6) (31).

Mean age at first birth was also unchanged for nearly all race and Hispanic origin groups between 2003 and 2004. The average age of first-time mothers remained at 26.2 years for non-Hispanic white, 22.7 years for non-Hispanic black, and 23.1 years for Hispanic women in 2004. Despite the stability in mean age among the three largest race and Hispanic origin groups, substantial variations nevertheless persist. In 2004, API women had the highest mean age at first birth, 28.4 years, and AIAN women had the lowest mean age at first birth, 21.8 years.



**Figure 6. Mean age of mother for all births and mean age of mother at first birth: United States, 1970–2004**

## 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 with populations across time or among geographic areas.

In 2004, the TFR was 2,045.5 (or 2.05 births per woman), slightly higher than the rate in 2003 (2,042.5) ([Tables 4, 8, 14, and 15](#)). After falling substantially from 1990 (2,081.0) to 1997 (1,971.0), then rising moderately from 1997 to 2000, the TFR has fluctuated. The rise in the TFR between 2003 and 2004 is the result of increases in birth rates for women aged 30–44 years, and especially those aged 35–39 years (see previous section on “Age of mother”).

The TFRs for two of the three largest **race and Hispanic origin** groups declined between 2003 and 2004, falling by less than 1 percent for both non-Hispanic white and non-Hispanic black women; the rate for Hispanic women rose by 1 percent. Rates for Mexican and Puerto Rican women were up by 2 and 12 percent, respectively; the rates for “other” Hispanic and Cuban women were down by 3 and 16 percent, respectively. The rate for API women rose by 1 percent in 2004, whereas the rate for AIAN women was essentially unchanged.

Differences among these groups are even more apparent when their rates are compared with a “replacement” rate. A replacement rate is the rate at which a given generation can exactly replace itself, generally considered to be 2,100 births per 1,000 women. The U.S. TFR was below the replacement rate for the 33rd consecutive year in 2004. Whereas the TFRs for nearly all groups were below “replacement” in 2004, the rate was above replacement for Hispanic women overall

(2,824.5), Mexican women (3,021.0), and “other” Hispanic women (2,648.0) ([Tables 4, 8, 14, and 15](#)). State-specific TFRs for 2004 are discussed in the next section.

## Births and birth rates by state

Nationally, the number of births increased by less than 1 percent between 2003 and 2004. Among the states, 12 reported significant increases in their numbers of births in 2004, whereas only 4 reported significant declines. See [Tables 11–13 for 2004 data](#).

In 2004, crude birth rates by state ranged from 10.6 births per 1,000 total population (Maine and Vermont) to 21.2 (Utah). Between 2003 and 2004 rates increased significantly only in the District of Columbia and Virginia and declined in 9 states (Colorado, Connecticut, Illinois, Maryland, Massachusetts, Michigan, New Jersey, New York, and Rhode Island). All other reporting areas were essentially unchanged.

Fertility rates per 1,000 women aged 15–44 years in 2004 ranged from a low of 52.1 in Vermont to a high of 92.3 in Utah ([Table 11](#)). Between 2003 and 2004 fertility rates increased significantly in only 4 states (California, Florida, Georgia, and Virginia) and the District of Columbia.

In 2004, TFRs, which provide a summary of lifetime fertility, increased significantly for California, Georgia, Virginia, and the District of Columbia. TFRs for all other states, like the national rate, were essentially unchanged between 2003 and 2004.

Fertility tends to be higher for states in the western half of the country. In 2004, as in previous years, the majority of western states reported TFRs significantly above the national rate, whereas the majority of eastern states reported TFRs significantly below the national rate (32). In 2004, state-specific TFRs ranged from a high of 2,544.5 (2.5 births per woman) in Utah, to a low of 1,711.0 (1.7 births per woman) in Rhode Island.

## Birth rate for teenagers by state

Birth rates for teenagers vary considerably by state ([Tables 11 and B](#)). Birth rates by state for teenagers 15–19 years ranged from 18.2 per 1,000 (New Hampshire) to 62.6 (Texas) in 2004; among all reporting areas the District of Columbia reported the highest rate (66.7). Nationally, birth rates for teenagers 15–19 years fell significantly between 2003 and 2004; however, among states only New Jersey and New York reported significant declines. Birth rates were essentially unchanged for all other states and territories. Since 1991 teen birth rates have declined significantly for all reporting areas ([Table B](#)). Also see discussion of births to teenagers in the “Age of mother” section of this report.

## Sex ratio

In 2004, there were 2,104,661 male and 2,007,391 female live births in the United States, or 1,048 males for every 1,000 female births ([Tables 14 and 15](#)). Similar to previous years, the sex ratio was the highest for births to API mothers (1,058), followed by births to non-Hispanic white (1,053), Hispanic (1,042), non-Hispanic black (1,038), and AIAN (1,030) mothers.

Since 1940, the overall sex ratio has ranged from 1,046 to 1,059. Annual fluctuations within this range make the identification of

**Table B. Birth rates for teenagers 15–19 years by state, 1991 and 2004, and percentage change 1991–2004:  
United States and each state and territory**

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

State	1991	2004	Percent change, 1991–2004	State	1991	2004	Percent change, 1991–2004
United States <sup>1</sup> . . . . .	61.8	41.1	-33	Nebraska. . . . .	42.4	35.9	-15
Alabama . . . . .	73.6	52.4	-29	Nevada. . . . .	74.5	51.1	-31
Alaska . . . . .	66.0	38.9	-41	New Hampshire. . . . .	33.1	18.2	-45
Arizona . . . . .	79.7	60.1	-25	New Jersey. . . . .	41.3	24.1	-42
Arkansas . . . . .	79.5	60.3	-24	New Mexico. . . . .	79.5	60.8	-24
California . . . . .	73.8	39.5	-46	New York. . . . .	45.5	26.9	-41
Colorado . . . . .	58.3	43.9	-25	North Carolina. . . . .	70.0	48.8	-30
Connecticut . . . . .	40.1	24.4	-39	North Dakota. . . . .	35.5	27.2	-23
Delaware . . . . .	60.4	43.5	-28	Ohio. . . . .	60.5	38.5	-36
District of Columbia . . . . .	109.6	66.7	-39	Oklahoma. . . . .	72.1	55.6	-23
Florida . . . . .	67.9	42.4	-38	Oregon. . . . .	54.8	33.3	-39
Georgia . . . . .	76.0	53.4	-30	Pennsylvania. . . . .	46.7	30.5	-35
Hawaii . . . . .	59.2	36.1	-39	Rhode Island. . . . .	44.7	32.9	-26
Idaho . . . . .	53.9	38.6	-28	South Carolina. . . . .	72.5	52.1	-28
Illinois . . . . .	64.5	40.2	-38	South Dakota. . . . .	47.6	38.5	-19
Indiana . . . . .	60.4	43.5	-28	Tennessee. . . . .	74.8	52.1	-30
Iowa . . . . .	42.5	31.6	-26	Texas. . . . .	78.4	62.6	-20
Kansas . . . . .	55.4	40.7	-27	Utah. . . . .	48.0	34.0	-29
Kentucky . . . . .	68.8	49.2	-28	Vermont. . . . .	39.2	20.9	-47
Louisiana . . . . .	76.0	56.2	-26	Virginia. . . . .	53.4	35.2	-34
Maine . . . . .	43.5	24.3	-44	Washington. . . . .	53.7	31.3	-42
Maryland . . . . .	54.1	32.4	-40	West Virginia. . . . .	58.0	43.8	-24
Massachusetts . . . . .	37.5	22.3	-41	Wisconsin. . . . .	43.7	30.2	-31
Michigan . . . . .	58.9	34.1	-42	Wyoming. . . . .	54.3	42.7	-21
Minnesota . . . . .	37.3	26.7	-28	Puerto Rico. . . . .	72.4	61.7	-15
Mississippi . . . . .	85.3	61.9	-27	Virgin Islands. . . . .	77.9	52.7	-32
Missouri . . . . .	64.4	43.4	-33	Guam. . . . .	95.7	62.6	-35
Montana . . . . .	46.8	35.8	-24	American Samoa. . . . .	---	45.8	---
				Northern Marianas. . . . .	---	39.3	---

--- Data not available.

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

meaningful short-term trends difficult. However, a recent report identified a gradual decline in the sex ratio beginning in the early 1970s (33).

## Month of birth

The monthly average number of births in 2004 was 342,671. The actual number of births per month ranged from 315,821 (February) to 359,426 (July) (Table 16). Historically, the number of births peaks during the summer, and is at its lowest during the winter. Following the historic pattern, observed birth rates in 2004, which take into account the different number of days in the month, were at their highest in September and lowest in December.

When compared with 2003, observed monthly birth rates in 2004 were up for only 3 months (March, June, and November), whereas observed monthly fertility rates were higher for 6 months and lower for 6 months. When seasonal variation is filtered from the monthly birth and fertility rates, an estimate of the underlying trends is obtained. In 2004, adjusted birth rates fell for all months; adjusted fertility rates fell for 4 months.

## Day of the week of birth

In 2004, an average of 11,235 infants were born each day. Looking at the average number of births by specific day of the week

reveals considerable differences. As in previous years, the average number of births was highest on Tuesday (13,045), and lowest on Sunday (7,501) (Table 17).

An index of occurrence can be used to measure the variation in the daily pattern of births. 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 2004, Tuesday again had the highest index at 116.1, indicating that there were 16.1 percent more births on Tuesday than on the average day. Consistent with established patterns, infants in 2004 were much less likely to be born on weekends, with indices of occurrence of 66.8 for Sunday and 75.6 for Saturday.

Patterns in the average number of births by day of the week may be influenced by the scheduling of induction of labor and cesarean delivery. For example, the index of occurrence for vaginal births excluding inductions (spontaneous vaginal births) ranged from 86.5 on Sunday to 106.6 on Tuesday (detailed data not shown). The relatively narrow range for spontaneous vaginal births contrasts sharply with that of repeat cesarean deliveries that ranged from 32.7 on Sunday to 130.5 on Tuesday (Table 17). Also see section on "Method of delivery."

## Births to unmarried women

All measures of childbearing by unmarried women increased substantially in 2004, the largest increases in a decade (1993–94).

The **birth rate for unmarried women** increased 3 percent in 2004, to 46.1 births per 1,000 unmarried women aged 15–44 years. The 2004 rate essentially matched the previous high point for this measure, 46.2 in 1994. The rate indicates the risk that an unmarried woman will give birth. During the years 1995–2002, the rate changed little, ranging from 42.9 to 44.3 (Figure 7 and Tables C, 18, and 19). Largely, as a result of the rising birth rate, the **number of births to unmarried women** climbed 4 percent in 2004, to 1,470,189, the highest number ever in the more than six decades for which national statistics are available (34). The number rose 9 percent from 2000 to 2004, following on smaller yet steady increases through the mid- to late 1990s that resulted principally from increases in the number of unmarried women in the reproductive ages (35–37). The recent increase since 2002 reflects in small part population growth (up about 2 percent), but mostly it reflects the increase in the birth rate.

In 2004, **35.8 percent of all births were to unmarried women**. This percentage has risen steadily since the late 1990s, following several years of essentially no change (Table C). About 43 percent of first births in 2004 were to unmarried women (tabular data not shown). Data from the 2002 National Survey of Family Growth, conducted by CDC's NCHS show that 40 percent of recent nonmarital births were to cohabiting women (29).

Since 1998, all states except Michigan and New York report mother's marital status on the birth certificate through a direct question in the birth registration process. 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.

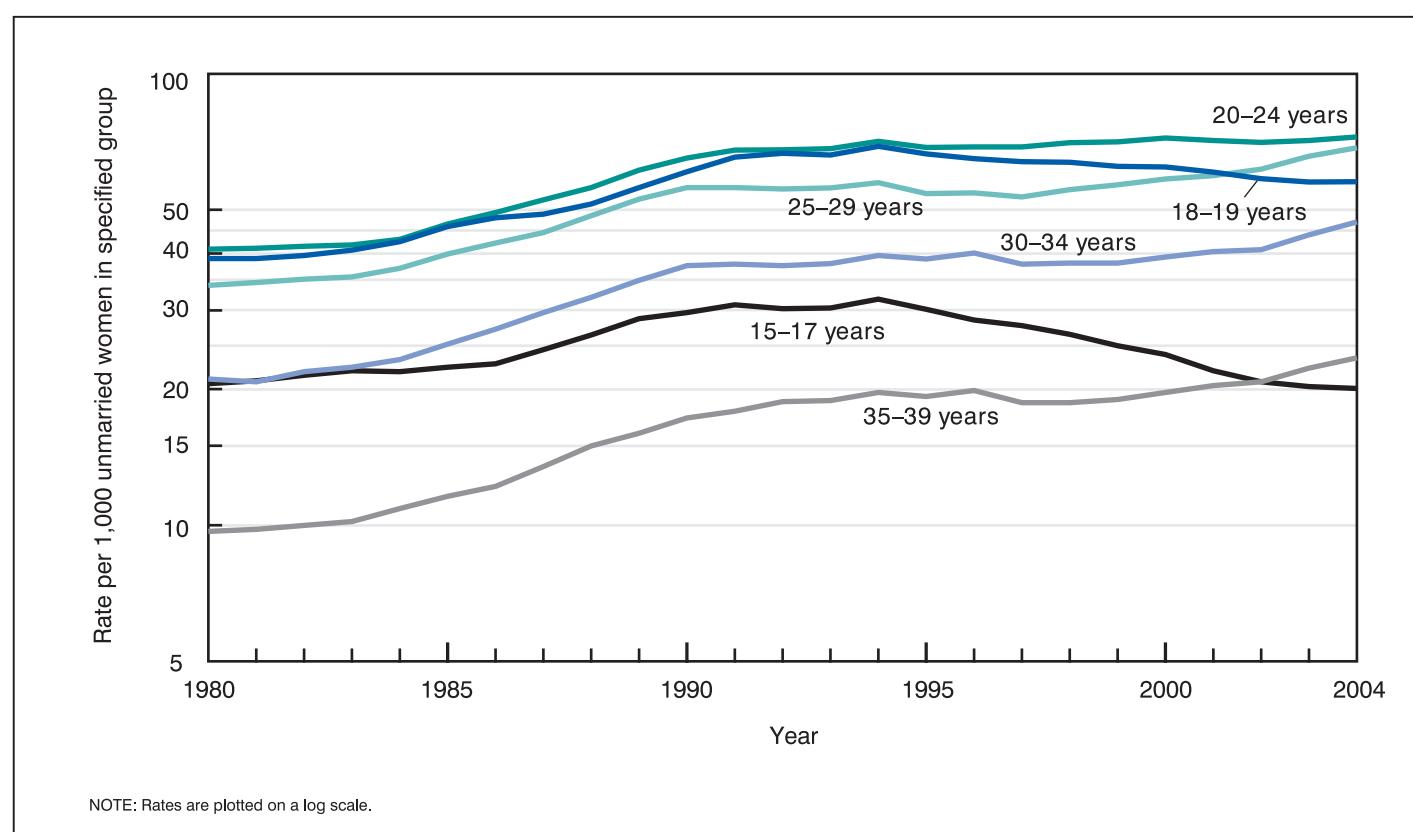
**Table C. Number, rate, and percentage of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–2004**

Year	Births to unmarried women			Birth rate for married women <sup>3</sup>
	Number	Rate <sup>1</sup>	Percent <sup>2</sup>	
2004 . . . . .	1,470,189	46.1	35.8	87.6
2003 . . . . .	1,415,995	44.9	34.6	88.1
2002 . . . . .	1,365,966	43.7	34.0	86.3
2001 . . . . .	1,349,249	43.8	33.5	86.7
2000 . . . . .	1,347,043	44.1	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.



**Figure 7. Birth rates for unmarried women, by age of mother: United States, 1980–2004**

Birth rates for unmarried women by age continue to be highest for women in their twenties ([Tables 18 and 19](#)). In 2004, the rates were 72.5 per 1,000 for women aged 20–24 years and 68.6 for women aged 25–29 years. The next highest rate was for older unmarried teenagers, 18–19 years, 57.7. Rates for other age groups are considerably lower.

The overall increase in the nonmarital birth rate from 2003 to 2004 entirely reflects increases in rates for women aged 20 years and over; these increases have been ongoing since the mid-1970s. In contrast, the birth rate for unmarried teenagers 15–19 years continued to fall, albeit very slightly, in 2004. The rate for young teenagers 15–17 years declined, whereas the rate for older teenagers was essentially stable. Overall, the birth rate for unmarried teenagers has dropped 24 percent since the 1994 peak. During the decade 1994–2004, the decline in the rate for younger teenagers was more than double that for older teenagers, 37 percent compared with 16 percent. The contrasting trends between teenagers and adult women have been observed since the mid-1990s, and they have led to changes in the distribution of nonmarital births by age. Over the decade 1994–2004, the proportion of nonmarital births to teenagers dropped from 31 to 24 percent, whereas the proportion to women in their twenties rose from 53 to 59 percent ([34](#)).

**Rates for unmarried women vary widely by race and ethnicity,** mirroring the fertility differentials for all women described above. In 2004, the nonmarital rate for Hispanic women was highest, at 95.7 per 1,000, followed by black women, 67.2, non-Hispanic white women, 29.4, and API women, 23.6. These variations have changed little in recent years. Birth rates increased for all groups, by 1 percent for black women, 3 to 4 percent for Hispanic and non-Hispanic white women, and 6 percent for API women ([Table 19](#)).

Differences in nonmarital childbearing among race and ethnicity groups are reflected in contrasting patterns within groups by maternal age. Birth rates for unmarried black and Hispanic teenagers are relatively similar, but at ages 20 years and over, the rates quickly diverge. In age groups 30–34 years and over, the rates for unmarried Hispanic women are about double the rates for unmarried black women. Among age groups under 20 years, API women have the lowest rates, whereas at aged 30 years and over, rates are lowest for non-Hispanic white women.

Among teenage population subgroups, nonmarital birth rates have generally fallen since 1994, although rates for black teenagers have been declining since 1991. The rate for young black teenagers has declined more than one-half since 1991. Rates for other groups have fallen as well, but the declines slowed or reversed slightly for some groups in 2004.

The proportion of all births that are to unmarried women increased for all population groups in 2004. The proportions in 2004 were 15.5 percent for API women, 24.5 percent for non-Hispanic white women, 46.4 percent for Hispanic women, 62.3 percent for AIAN women, and 69.3 percent for non-Hispanic black women.

**Numbers and proportions of births to unmarried women by race and Hispanic origin and by state** are shown in [Table 20](#). Numbers increased in every area with the exception of Wyoming and Northern Marianas; each reported very small declines. The increases amounted to 6 percent or more in 11 areas and Guam. Proportions rose in 36 states, the District of Columbia, and Puerto Rico; and were essentially unchanged in all other areas.

## Age of father

The birth rate per 1,000 men aged 15–54 years was 48.8 in 2004, slightly lower than the rate in 2003 (48.9), but higher than the all-time low of 48.4 reported in 2002 ([Table 21](#)). The birth rate for males aged 15–19 years was 17.0 in 2004, essentially unchanged from the all-time low of 16.9 in 2003. Between 2003 and 2004 rates declined for men in their twenties, but increased for men aged 30–49 years. Rates for men aged 50 years and over were essentially unchanged.

Information on age of father is often missing on birth certificates of children born to women less than 25 years of age and to unmarried women. In 2004, age of father was not reported for 14 percent of all births, 24 percent of births to all women less than 25 years of age, and 36 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

Information on educational attainment is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard Certificate of Live Birth (unrevised). However, the format of the education item on the revised standard certificate substantively differs from that of the unrevised standard certificate (see “[Technical Notes](#)”). The 1989 certificate item asks for the highest grade completed at the time of the birth; the 2003 certificate item asks for the highest degree or level of school completed at the time of the birth (e.g., high school diploma, bachelor degree, etc.). Accordingly, education data for the states that have implemented the revised certificates are not directly comparable with the data for the states that are not yet using the revised certificate. For 2004, unrevised data are available for 41 states, New York City, and the District of Columbia (80 percent of all 2004 births). Revised data are available for all of 2004 for seven states (Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington), representing 14 percent of all births.

For the 41-state reporting area described above, 77.8 percent of women who gave birth in 2004 completed at least 12 or more years of school, slightly lower than the percentage for these 41 states in 2003 (77.9) ([Table D](#)). The percentage of women who completed 16 or more years of school in 2004 was 26.9, 1 percent more than the percentage for these 41 states in 2003 (26.7). The educational attainment of women giving birth has increased substantially over the last few decades. This trend in part reflects increases in educational attainment of all women during this time ([38](#)).

For the seven revised states for which data are available for all of 2004, 81.0 percent of women who gave birth had at least a high school diploma or higher and 26.4 percent had a Bachelor's degree or higher in 2004 ([Table D](#)).

**Table D. Years of schooling and degrees achieved, by age and race and Hispanic origin of mother: 41 states, the District of Columbia, and New York City (unrevised) and 7 states (revised), 2004**

Age and race and Hispanic origin of mother	Unrevised <sup>1</sup>		Revised <sup>2</sup>		Unrevised <sup>1</sup>		Revised <sup>2</sup>	
	2004 <sup>3</sup>		2003 <sup>3</sup>		2004 <sup>4</sup>		2003 <sup>3</sup>	
	12 years or more years of school		High school diploma (GED) or higher		16 years or more years of school		Bachelor's degree or higher	
All races and origins <sup>5</sup> . . . . .	77.8	77.9	81.0		26.9	26.7	26.4	
Under 15 years . . . . .	*	*	*		*	*	*	
15–19 years . . . . .	41.6	40.6	40.4		*	*	*	
20–24 years . . . . .	72.2	72.0	73.9		6.1	5.9	4.6	
25–29 years . . . . .	82.7	83.0	86.7		28.8	28.6	27.9	
30–34 years . . . . .	88.1	88.7	92.0		46.4	46.2	45.9	
35–39 years . . . . .	89.0	89.2	92.8		48.8	47.8	47.8	
40 years and over . . . . .	87.7	87.8	90.8		46.2	45.7	43.4	
Non-Hispanic white . . . . .	89.0	89.0	87.0		37.0	36.4	31.0	
Under 15 years . . . . .	*	*	*		*	*	*	
15–19 years . . . . .	48.6	47.6	45.1		*	*	*	
20–24 years . . . . .	81.5	81.3	79.2		8.4	8.1	5.3	
25–29 years . . . . .	93.5	93.7	92.0		38.2	37.5	31.9	
30–34 years . . . . .	97.0	97.0	95.9		57.0	56.2	50.2	
35–39 years . . . . .	97.4	97.3	96.2		59.3	57.8	51.9	
40 years and over . . . . .	96.7	96.5	94.5		56.4	55.4	47.4	
Non-Hispanic black . . . . .	76.6	76.5	73.0		13.8	13.9	10.1	
Under 15 years . . . . .	*	*	*		*	*	*	
15–19 years . . . . .	44.2	42.8	39.2		*	*	*	
20–24 years . . . . .	77.2	77.0	74.4		4.6	4.6	3.3	
25–29 years . . . . .	85.1	85.7	83.5		17.5	17.9	13.3	
30–34 years . . . . .	90.1	90.3	87.4		30.0	29.9	23.1	
35–39 years . . . . .	90.6	90.5	88.9		32.5	31.8	26.1	
40 years and over . . . . .	89.9	89.6	84.9		32.2	32.0	24.4	
Hispanic <sup>6</sup> . . . . .	51.6	51.3	47.8		8.0	7.8	7.5	
Under 15 years . . . . .	*	*	*		*	*	*	
15–19 years . . . . .	31.7	30.5	24.8		*	*	*	
20–24 years . . . . .	52.9	52.2	46.2		2.5	2.4	1.4	
25–29 years . . . . .	55.2	55.2	52.1		9.5	9.4	8.2	
30–34 years . . . . .	57.3	58.0	56.8		15.8	15.9	16.7	
35–39 years . . . . .	57.7	57.8	61.3		17.3	16.8	20.4	
40 years and over . . . . .	53.8	53.8	56.9		16.5	16.3	18.3	

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

<sup>1</sup>Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

<sup>2</sup>Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

<sup>3</sup>Excludes data from Florida, Idaho, Kentucky, New Hampshire, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington.

<sup>4</sup>Includes data from Idaho, Kentucky, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington.

<sup>5</sup>Includes races other than white and black and origin not stated.

<sup>6</sup>Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

For the 41-state reporting area variations in educational attainment are seen among the largest **racial and Hispanic origin groups**, for 2004 as in previous years. In 2004, 89.0 percent of non-Hispanic white and 76.6 percent of non-Hispanic black mothers completed at least 12 years of school, essentially unchanged from 2003. The percentage of Hispanic mothers who completed high school increased to 51.6 percent in 2004, but was nonetheless much lower than the percentages for non-Hispanic white and non-Hispanic black women. The levels of advanced educational attainment (at least 16 years of school) for women giving birth in 2004 were 37.0 percent for non-Hispanic white, 13.8 for non-Hispanic black, and 8.0 for Hispanic mothers. The

percentages for non-Hispanic white and Hispanic mothers in 2004 were significantly higher than in 2003; the percentage for non-Hispanic black mothers was essentially unchanged.

Maternal education has long been considered an important factor in fertility and maternal and infant 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 (29,39,40).

## Maternal Lifestyle and Health Characteristics

### Weight gain in pregnancy

Excessive and insufficient maternal weight gain during pregnancy can negatively influence pregnancy outcome. Inadequate weight gain has been associated with an increased risk of intrauterine growth retardation, shortened gestational age, low birthweight, and perinatal mortality (41,42). High weight gain during pregnancy has been linked with an elevated risk of a large-for-gestational-age infant, cesarean delivery, and long-term maternal weight retention (43). The body mass index (BMI) is an indirect measure of body fat (44). The Institute of Medicine (IOM) recommended the following weight gains for singleton pregnancy based on the mother's pre-pregnancy BMI (45). However, the IOM recommends that weight gain goals be tailored to the individual's needs.

Pre-pregnancy category	BMI range	Recommended gain
Low	Less than 19.8	28–40 pounds
Normal	19.8–26.0	25–35 pounds
High	26.0–29.0	15–25 pounds

Recommendations for obese women (a BMI of at least 29) are currently under discussion (43).

In 2004, 13.0 percent of women who gave birth gained less than 16 pounds, considered inadequate for most women (45); 20.0 percent had weight gains of more than 40 pounds, considered excessive for most women (Table 22). Thus, approximately one-third of mothers had gains outside of the guidelines (based on weight alone). Studies show that the majority of American women have pregnancy weight gains outside their BMI-based recommendations (43).

The distribution of reported weight gain has changed markedly between 1990 and 2004. For the mothers of *at least full term, singleton* births, the percentage of mothers who gained less than 16 pounds increased by 48 percent (from 8.3 to 12.2), and those who gained over 40 pounds, by 25 percent (from 16.1 to 20.1 percent) (data not shown).

Weight gained during pregnancy differs widely by racial or ethnic group. For 2004, non-Hispanic white women and Asian or Pacific Islander (API) women have relatively low proportions of women with weight gains of less than 16 pounds (10.7 and 10.1 percent, respectively), whereas non-Hispanic black women and American Indian or Alaska Native (AIAN) women have higher proportions of women with inadequate weight gains (19.0 and 17.5 percent, respectively) (Tables 23, 24). Non-Hispanic white women were the most likely to gain more than 40 pounds (22.2 percent), compared with the least likely, those of API origin (14.2 percent) (data not shown).

Moderate maternal weight gain (between 16 and 40 pounds) and healthy birthweight are positively correlated, as demonstrated in 2004 by a general decline in the percentage of low birthweight (LBW) infants as maternal weight gain increases (from 13.9 percent for weight gains of less than 16 pounds, to 5.8 percent for gains of 36–40 pounds) (data not shown).

### Risk factors in this pregnancy

During pregnancy, medical risk factors can contribute to serious complications and maternal and infant morbidity and mortality,

particularly if not treated properly (46–48). Sixteen risk factors that can affect pregnancy outcome are separately identified on the 1989 Certificate of Live Birth used by 41 states and the District of Columbia in 2004; 10 such factors are identified on the 2003 revised certificate and were reported by 7 states for 2004. Shown in Table 25, and discussed here, are the four risk factors comparable across revisions, and for which national data are available.

In 2004, two pregnancy risk factors, **pregnancy-associated hypertension** and **diabetes** during pregnancy, occurred among 4 percent of mothers (37.9 and 35.8 per 1,000 births, respectively) (Table 25). These risk factors have had the highest prevalence since these data became available from birth certificates. After steadily rising during the 1990s, the level of pregnancy-associated hypertension peaked in 2000 and since then has essentially not changed. Reported diabetes prevalence rose by more than two-thirds in the years 1990–2004 (from 21.3 to 35.8 per 1,000 live births). Pregnancy-associated hypertension and chronic hypertension are closely related hypertensive disorders, but the latter is a rarer condition. The prevalence of **chronic hypertension** has increased by almost one-half since 1990 (6.5 in 1990, 9.6 in 2004).

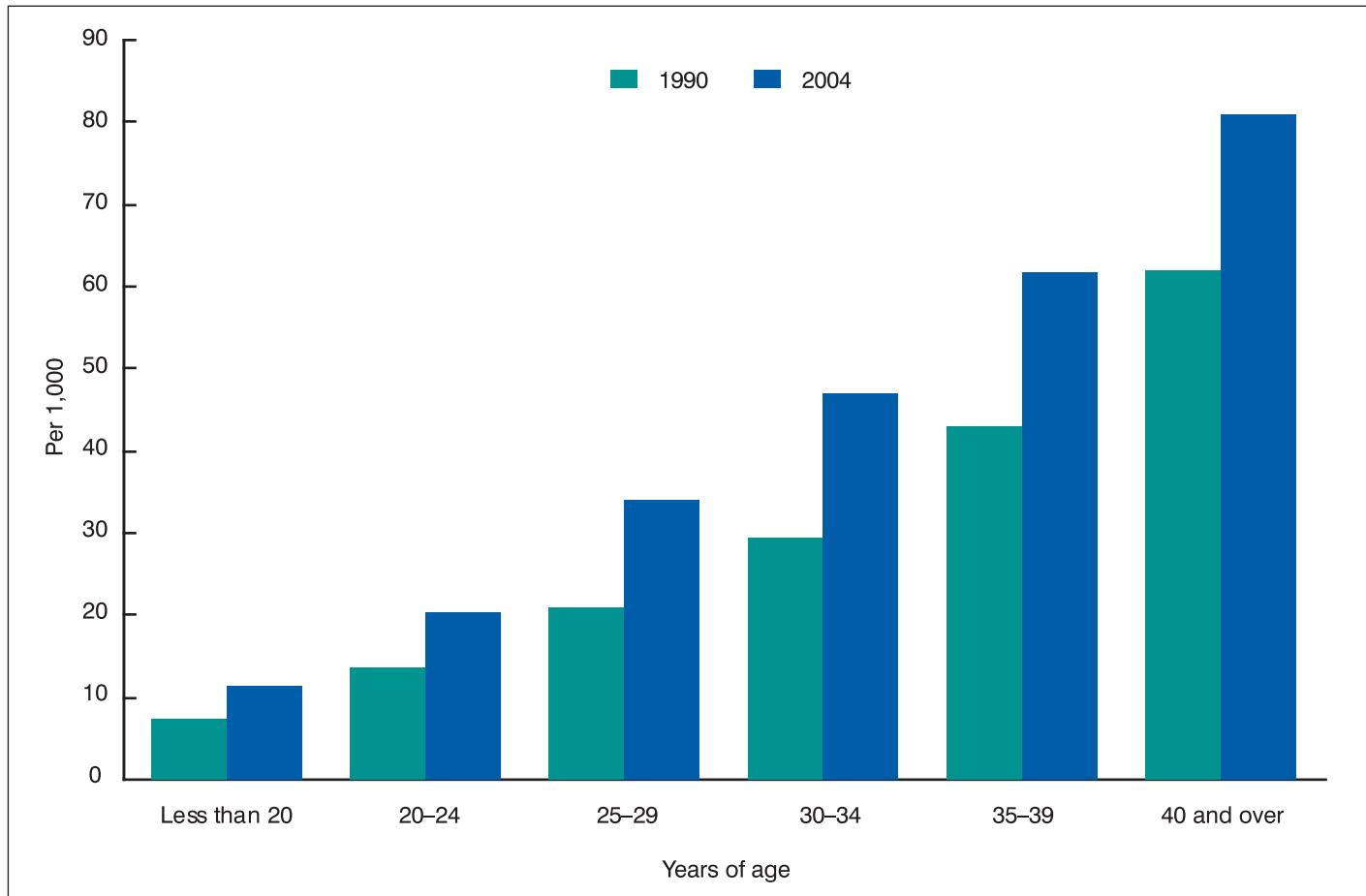
The risk of having a medical condition often differs by maternal age (Table 25.). Older mothers are much more prone to chronic conditions such as diabetes. The 2004 level was 80.9 per 1,000 for mothers 40 years of age and over, compared with 11.2 for mothers under age 20 years. The age-specific diabetes levels from birth certificate data are comparable to those obtained from recent National Health Interview Surveys (49). Figure 8 shows sharp increases in diabetes levels for each age group between 1990 and 2004 (50).

Rates for chronic hypertension are more than seven times higher for mothers aged 40 years and over than for those under 20 years of age (26.7 compared with 3.5 per 1,000). However, rates for pregnancy-related hypertension tend to be highest for both the oldest and youngest mothers.

The risk factors during pregnancy can also vary greatly by maternal race and ethnicity (Tables 23–25). In 2004, diabetes rates among API women were higher than those for the other major racial or ethnic groups (5.8 compared with 3.4 percent for non-Hispanic black women).

### Tobacco use during pregnancy

Information on **smoking during pregnancy** was reported according to two distinct questions in 2004. For 40 states, New York City, and the District of Columbia, smoking status was based on the 1989 U.S. Standard Certificate (unrevised), whereas data for 7 states are drawn from the 2003 revision of the birth certificate (revised). The questions on the two versions of the birth certificate are not comparable. Briefly stated, the 1989 revision asks a simple "yes/no" question on tobacco use during pregnancy. In contrast, the 2003 revision asks for tobacco use during each trimester of pregnancy (as well as the 3-month period prior to pregnancy). For the purposes of this report, data are shown separately for the areas using the unrevised certificate and for the areas using the revised certificate. For the 7 revised states, if the mother reported smoking in any of the 3 trimesters of pregnancy she was recorded as a smoker. Data are not included in this report for Florida and New Hampshire, which revised their certificates in 2004, but after January 1, or for California, which did not report tobacco use in 2004.



**Figure 8. Diabetes rates by age of mother: United States, 1990 and 2004**

**Smoking during pregnancy** declined slightly to 10.2 percent of women giving birth in 2004, compared with 10.4 percent for the same group of 40 reporting areas, the District of Columbia, and New York City (**Table E**). These areas accounted for 67 percent of U.S. births in 2004. Differences among population subgroups were essentially unchanged from previous years. The smoking rate was highest for AIAN women, at 18.2 percent, followed by non-Hispanic white women, 13.8 percent, and non-Hispanic black women, 8.4 percent. Rates for Hispanic (2.6 percent) and API women (2.2 percent) were substantially lower.

For the seven revised areas for which revised data on tobacco use are available for all of 2004, the overall smoking rate was 16.3 percent. As noted above, the revised question on smoking differs considerably from the question on the 1989 certificate, and it is expected that the revised question will elicit higher rates of smoking during pregnancy. Moreover, the seven revised states individually have traditionally reported higher smoking rates than other states (51). Despite these differences in smoking levels between the two sets of reporting areas, the variations among population subgroups by race and Hispanic origin persist for the revised states (**Table E**).

Studies based on the unrevised smoking question have suggested some underreporting of smoking on the birth certificate, although the trends and variations in smoking among population subgroups have been confirmed by surveillance and survey data (29,52). Some of the underreporting no doubt reflected the lack of a specific time reference, that is, when during pregnancy the mother smoked. It is believed that the new question on prenatal smoking is providing higher quality, more

reliable information in part because there is a specific time reference (each trimester) and women are afforded the chance to report that their smoking behavior has changed (53–55).

Over the 15-year period for which smoking status has been reported on U.S. birth certificates, the relationship between smoking status and educational attainment has been consistent. Regardless of whether the comparisons are based on the unrevised or revised smoking question, smoking rates are highest for women who have attended but not graduated from high school and lowest for college-educated women. In 2004, based on information from the seven revised states, 33 percent of women who attended but did not complete high school were smokers compared with 2 percent of college graduates (**Table F**). Women with a grammar school education have relatively low smoking rates, about 10 percent in 2004.

The concern about smoking during pregnancy has been long-standing and is linked to adverse pregnancy outcomes, including low birthweight (LBW), intrauterine growth retardation, miscarriage, and infant mortality, as well as negative consequences for child health and development (56). These adverse consequences in turn are associated with substantial economic and social costs (57). Over the period for which the information has been reported on birth certificates and in national surveys, the negative relationship between smoking and LBW has been replicated repeatedly (58,59). Babies born to women who smoke are at substantially greater risk of LBW than babies born to nonsmokers. The revised smoking question corroborates this pattern for 2004 births. In the seven states with the revised question, 11.9

**Table E. Trimester of pregnancy prenatal care began and smoking status during pregnancy, by race and Hispanic origin of mother: 41 states, the District of Columbia, and New York City (unrevised) and 7 states (revised), 2004**

Characteristic and race and Hispanic origin of mother	Unrevised <sup>1</sup> 2004 <sup>3</sup>	2003 <sup>3</sup>	Revised <sup>2</sup> 2004 <sup>4</sup>
<b>All races and origins<sup>5</sup></b>			
Prenatal care beginning in the 1st trimester . . . . .	83.9	84.0	72.9
Prenatal care beginning in 3rd trimester or no care . . . . .	3.6	3.6	6.2
Smoker. . . . .	10.2	10.4	16.3
<b>Non-Hispanic white</b>			
Prenatal care beginning in the 1st trimester . . . . .	88.9	89.1	78.0
Prenatal care beginning in 3rd trimester or no care . . . . .	2.2	2.1	4.5
Smoker. . . . .	13.8	13.8	19.0
<b>Non-Hispanic black</b>			
Prenatal care beginning in the 1st trimester . . . . .	76.5	76.2	58.9
Prenatal care beginning in 3rd trimester or no care . . . . .	5.7	5.9	11.4
Smoker. . . . .	8.4	8.4	13.0
<b>American Indian total<sup>6,7</sup></b>			
Prenatal care beginning in the 1st trimester . . . . .	69.9	70.6	58.7
Prenatal care beginning in 3rd trimester or no care . . . . .	7.9	7.7	11.2
Smoker. . . . .	18.2	18.2	21.2
<b>Asian or Pacific Islander total<sup>7</sup></b>			
Prenatal care beginning in the 1st trimester . . . . .	85.6	85.4	69.1
Prenatal care beginning in 3rd trimester or no care . . . . .	3.0	3.1	6.8
Smoker. . . . .	2.2	2.2	2.9
<b>Hispanic<sup>8</sup></b>			
Prenatal care beginning in the 1st trimester . . . . .	77.5	77.3	56.5
Prenatal care beginning in 3rd trimester or no care . . . . .	5.4	5.3	11.0
Smoker. . . . .	2.6	2.7	5.7

<sup>1</sup>Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

<sup>2</sup>Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

<sup>3</sup>Excludes data from Florida, Idaho, Kentucky, New Hampshire, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington. Information on smoking status excludes data for California.

<sup>4</sup>Includes data from Idaho, Kentucky, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington.

<sup>5</sup>Includes origin not stated.

<sup>6</sup>Includes births to Aleuts and Eskimos.

<sup>7</sup>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; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

percent of babies born to smokers were LBW compared with 7.2 percent of babies born to nonsmokers. This variation was observed for population subgroups as well (Table F).

## Medical Services Utilization

### Prenatal care

This report includes data on the timing of prenatal care based on both the 1989 (unrevised) and the 2003 Revisions to the U.S. Standard Certificate of Live Birth (revised). The 2003 revision of the birth certificate introduced substantive changes in item wording and also to the sources of prenatal information; see "Technical Notes." Accordingly, prenatal care data for the two revisions are not directly comparable, and are shown separately. For 2004, unrevised data are available for 41 states, New York City, and the District of Columbia. Revised data are available for seven states (New York state excluding New York City); see Tables E, 26(a), and 26(b).

**Timely initiation of prenatal care** does not appear to have improved in the United States in 2004. For the 41-state reporting area for which comparable data are available, 83.9 percent of mothers were reported to have begun care within the first 3 months of pregnancy, a level not significantly different from that reported for the same reporting area for 2003 (84.0 percent); see Table E. No change was observed in the percentage of women receiving late (care beginning in the 3rd trimester of pregnancy) or no care for 2003–04 (3.6 percent). Prenatal care utilization had improved modestly, but quite steadily from 1990 to 2003 (4). Appropriate prenatal care, that is, care provided by a health professional to pregnant women, can enhance pregnancy outcome by assessing risk, providing health care advice, and managing chronic and pregnancy-related health conditions (60–63). Preconception care, that is, care which promotes the health of women of reproductive age *before* conception, is also recommended (64). Information on preconception care is not available from birth certificate data.

The percentage of women beginning care in the first trimester of pregnancy was essentially unchanged among the largest **racial and Hispanic origin groups** in the 41-state reporting area between 2003 and 2004; see Table E. Sizable gains in prenatal care utilization had been observed for 1990–2003 among non-Hispanic black, Hispanic, and AIAN women (4). These gains may be linked in part to the expansion of Medicaid for pregnant women in the late 1980s (65,66). Despite improvements in recent years among groups with lower levels of care, large disparities persist. In 2004, non-Hispanic white and API women were more than 10 percent more likely to receive timely care than non-Hispanic black and Hispanic women.

Among the states for which comparable data are available for 2003–04, no clear pattern was observed in changes in prenatal care utilization. See Tables 26(a) and 26(b) for 2004 data.

The Adequacy of Prenatal Care Utilization (APNCU) Index is an alternative measure of prenatal care timing that takes into account the number of prenatal care visits and gestational age of the newborn at delivery (67,68). The APNCU shows a small increase in the proportion of women receiving less than adequate care for 2003–04; see Table G.

For the seven revised states for which data are available for all of 2004, 72.9 percent of women were reported to have begun care in the first 3 months of pregnancy; 6.2 percent of mothers were reported to have late or no prenatal care (Table 26(a)). As noted above, the revised prenatal care item is substantively different from the unrevised question. As one result, levels of prenatal care utilization based on revised data are substantially lower than those based on unrevised data. For example, unrevised 2003 data for Kentucky indicate that 87.0 of residents began care in the first trimester of pregnancy in 2003. This

**Table F. Smoking during pregnancy according to educational attainment of mother, and percentage low birthweight by smoking status, by race and Hispanic origin of mother: Total of 7 states (revised), 2004**

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

Education of mother	Percent smokers	Race and Hispanic origin of mother	Percent low birthweight by smoking status	
			Yes	No
Total . . . . .	16.3	All races and origins <sup>1</sup> . . . . .	11.9	7.2
Grammar school . . . . .	10.4	Non-Hispanic white . . . . .	11.0	6.2
Some high school . . . . .	33.2	Non-Hispanic black . . . . .	19.0	12.9
High school diploma, GED . . . . .	24.9	American Indian total <sup>2,3</sup> . . . . .	7.9	7.4
Some college . . . . .	13.6	Asian or Pacific Islander total <sup>3</sup> . . . . .	9.8	7.1
College graduate . . . . .	2.1	Hispanic <sup>4</sup> . . . . .	12.5	6.6

<sup>1</sup>Includes origin not stated.<sup>2</sup>Includes births to Aleuts and Eskimos.<sup>3</sup>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."

NOTES: Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth. Includes data for Idaho, Kentucky, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which implemented the 2003 revision of the birth certificate. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table G. Percentage of births by adequacy of prenatal care utilization index: 41 states, the District of Columbia, and New York City (unrevised), 2003 and 2004**

	2004	2003
Intensive use . . . . .	32.6	32.6
Adequate. . . . .	42.6	42.8
Intermediate . . . . .	13.7	13.6
Inadequate. . . . .	11.2	11.1

NOTES: Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth. Excludes data for Idaho, Florida, Kentucky, New Hampshire, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington; see "Technical Notes."

compares with a level of 74.5 percent based on 2004 revised data. Much, if not all of the difference between 2003 and 2004 for Kentucky and other revised states is related to changes in reporting and *not* to changes in prenatal care utilization.

## Obstetric procedures

In this report, data are presented for the two obstetric procedures reported on both the revised and unrevised U.S. Standard Certificates of Live Birth; see "Technical Notes."

The rate of induction of labor increased for 2003–04 from 20.6 to 21.2 percent. This rate has increased more than two-fold since 1990 (9.5 percent) (Tables 25 and H). The rate of induction had generally risen steadily every year 1989–2000 for all gestational ages, including preterm deliveries (less than 37 completed weeks of gestation). Since 2000, rates have fluctuated somewhat for very preterm (less than 32 weeks) and moderately preterm infants (32–36 weeks); rates for 2004 were 7.5 and 15.0, respectively. Induction rates for births at 37 weeks and over generally continued to rise, reaching 22.4 percent for 2004 (Figure 9; data not shown).

Induction levels more than doubled for each racial and ethnic group between 1990 and 2004 (Table 25 for 2004 data); rates among

groups continue to vary widely (Table H). For example, the rate for non-Hispanic white women (25.4 percent) was notably higher than that for Hispanic (14.3) and API women (14.4). For Hispanic subgroups, rates ranged from 13.3 percent among Mexican, to 20.6 percent for Cuban mothers (data not shown).

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 (69). Induction (whether for a medical indication or elective) may increase the risk of cesarean delivery in nulliparous women (70,71).

The rate for tocolysis, the use of agents that hinder or delay uterine activity for the management of preterm labor, was 2.0 percent for 2004, compared with 2.1 percent for 2001–03. The rate of tocolysis has fluctuated only slightly since 1996. Discussion is ongoing regarding the safety, efficacy, and appropriate use of these agents (72).

## Characteristics of labor and delivery

The report includes national data for the three characteristics of labor and delivery that are comparable across the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth.

Moderate or heavy **meconium** staining occurred in about 5 percent of all deliveries in 2004. 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 (47). Depending on the severity of the condition, other complications of labor and delivery reported on the birth certificate may require medical interventions and can also affect the health of the infant. The two other complications of labor and delivery reported in common on the 1989 revision and the 2003 revision of the birth certificate occur less frequently: **breech/malpresentation** (4.2 percent of live births) and **precipitous labor** (1.9 percent) (Table 25).

Rates for breech/malpresentation and for precipitous labor rise steadily with age. The 2004 rate of breech/malpresentation for mothers

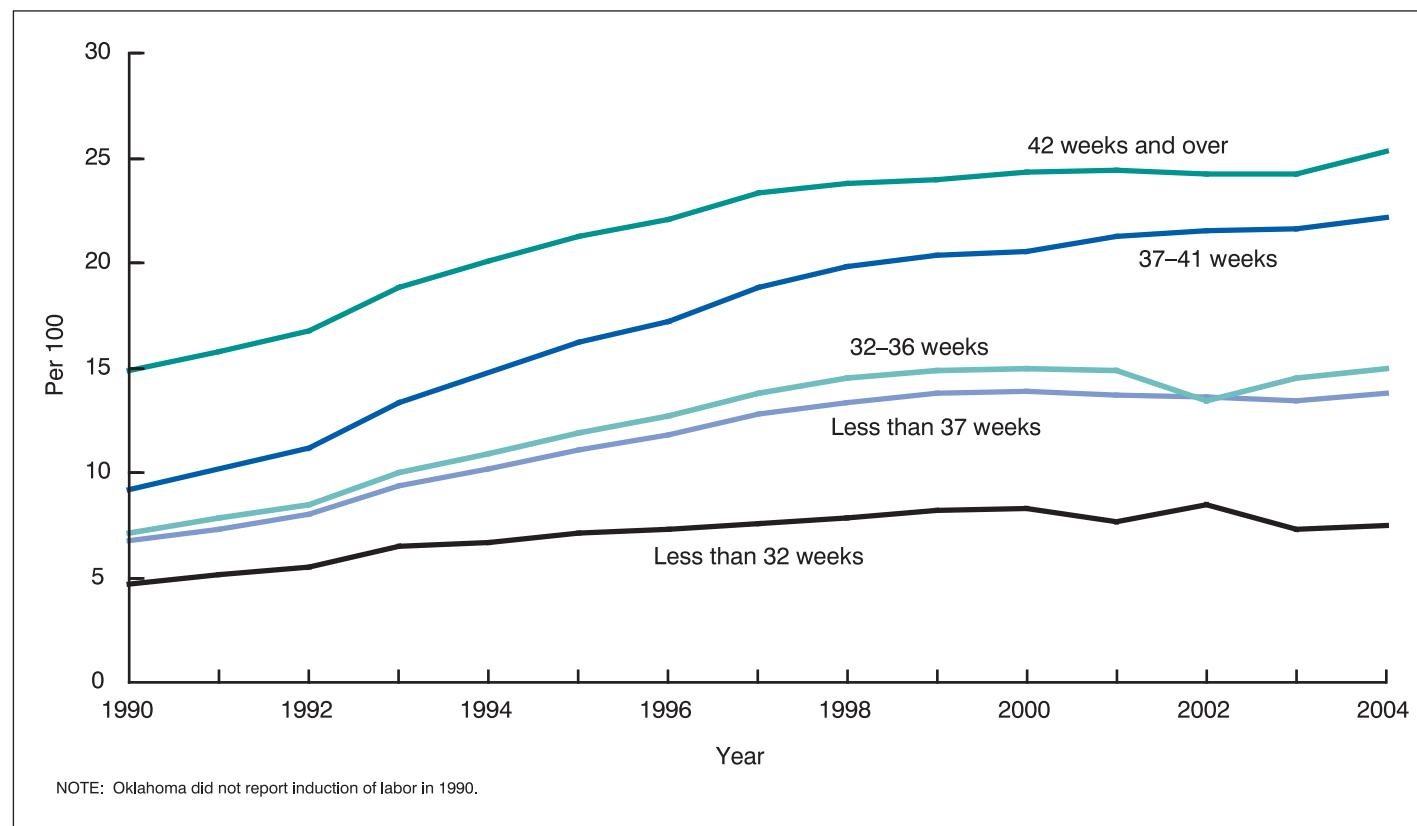
**Table H. Rate of induction of labor by race and Hispanic origin of mother: United States, 1990, 1995, 2000, 2003, and 2004 and percentage change, 1990–2004**

[Rates are number of live births with induction per 100 live births in specified group]

Race and Hispanic origin of mother	2004	2003	2000	1995	1990	Percent change, 1990–2004
All races and origins <sup>1</sup> . . . . .	21.2	20.6	19.9	16.0	9.5	123
Non-Hispanic white . . . . .	25.4	24.7	23.6	18.9	11.3	125
Non-Hispanic black . . . . .	18.6	17.5	16.5	11.7	6.7	178
American Indian total <sup>2,3</sup> . . . . .	20.1	19.9	20.1	15.6	9.4	114
Asian or Pacific Islander total <sup>3</sup> . . . . .	14.4	14.0	13.3	10.8	5.9	144
Hispanic <sup>4</sup> . . . . .	14.3	13.6	13.2	10.2	5.6	155

<sup>1</sup>Includes origin not stated.<sup>2</sup>Includes births to Aleuts and Eskimos.<sup>3</sup>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."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Figure 9. Rates of induction of labor by gestational age: United States, 1990–2004**

aged 40 years and over (65.3 per 1,000 live births) is more than double that for mothers under age 20 years (29.5 per 1,000). Older mothers are also much more likely to experience precipitous labor (22.0 versus 13.0 complications per 1,000 live births) (Table 25). Rates of labor and delivery characteristics vary also by race and ethnicity (Table 25). For example, non-Hispanic black mothers had the highest rate of meconium staining (63.5 per 1,000 live births), Hispanic mothers had an intermediate rate (53.0), and non-Hispanic white mothers the lowest—at 42.5 per 1,000. The rate was fairly constant across age groups for each racial and ethnic group.

### Attendant at birth and place of delivery

The percentage of all births delivered by physicians in hospitals was 91.5 percent for 2004, unchanged from 2003 (Table 27). This level has increased only slightly from 2001–02 (91.3 percent). In 2004, as in previous years, almost all doctor-attended births were attended by doctors of medicine (M.D.s). The percentage of physician-attended births attended by doctors of osteopathy (D.O.s) was 4.9 percent, a slight increase from 2002 and 2003 (4.8). This

rate has increased fairly steadily from 2.8 percent reported in 1989 (the first year data on D.O.s were available from the birth certificate).

The percentage of *all* births attended by midwives, which had increased steadily between 1975 and 2002 (from less than 1.0 to 8.1 percent), declined slightly between 2003 (8.0 percent) and 2004 (7.9 percent). Because cesarean deliveries are almost exclusively performed by physicians, the percentage of all *vaginal* births attended by midwives was calculated. This rate has steadily increased each year since 1991 (the first year that method of delivery was reported on birth certificates by all states and the District of Columbia). In 2004, midwives attended 11.1 percent of vaginal births, almost double the 1991 rate (5.7 percent).

Most midwife-attended births are by certified nurse midwives (CNMs). For 2004, the percentage of midwife-attended births by certified nurse midwives was 94.5 percent (essentially the same as in 2002 and 2003). This rate has remained at 90 percent or more since 1989 (the first year that this information was collected on birth certificates). Most midwife-attended births occur in hospitals. Due to underreporting of midwife-attended deliveries, these data should be considered lower estimates of the actual number of midwife-attended births (7,73).

In 2004, 99 percent of all births were delivered in hospitals. This level has been stable over the past several decades. Of the 1 percent of out-of-hospital births in 2004, 65 percent were in a residence and 27 percent were in a freestanding birthing center. These levels have varied only moderately since 1989.

As in past years, about 92 percent of births to non-Hispanic white and black women were attended by a physician in a hospital, compared with 90 percent of births to Hispanic women. CNM-attended hospital births were more likely among Hispanic women (8.9 percent) than among non-Hispanic white and black women (6.6 and 6.8 percent, respectively). See **Tables 23 and 24** for CNM-attended births by race and Hispanic origin.

## Method of delivery

The rate of cesarean delivery for 2004 increased to 29.1 percent, the highest rate ever reported in the United States. This rate represents a 6 percent increase from 2003 (27.5 percent). After falling between 1989 and 1996, the cesarean rate rose by 41 percent from the 1996 low of 20.7 (**Figure 10** and **Table 28**). Data from the National Hospital Discharge Survey show similar trends in cesarean delivery for 1990–2004 (74,75).

The continued escalation in the total cesarean rate is being driven by both the increase in the primary cesarean rate and the decrease in the rate of vaginal birth after cesarean delivery (VBAC). The risks, benefits, and long-term consequences of cesarean delivery, especially with regard to medically indicated or cesarean delivery with no medical or obstetrical indication, and VBAC delivery are the subject of intense debate (76–78). A National Institutes of Health expert panel recently acknowledged a lack of national data or other studies on mothers' preferences and recommended against cesareans that are not medically indicated for women desiring several children, and for pregnancies of less than 39 weeks of gestation (79).

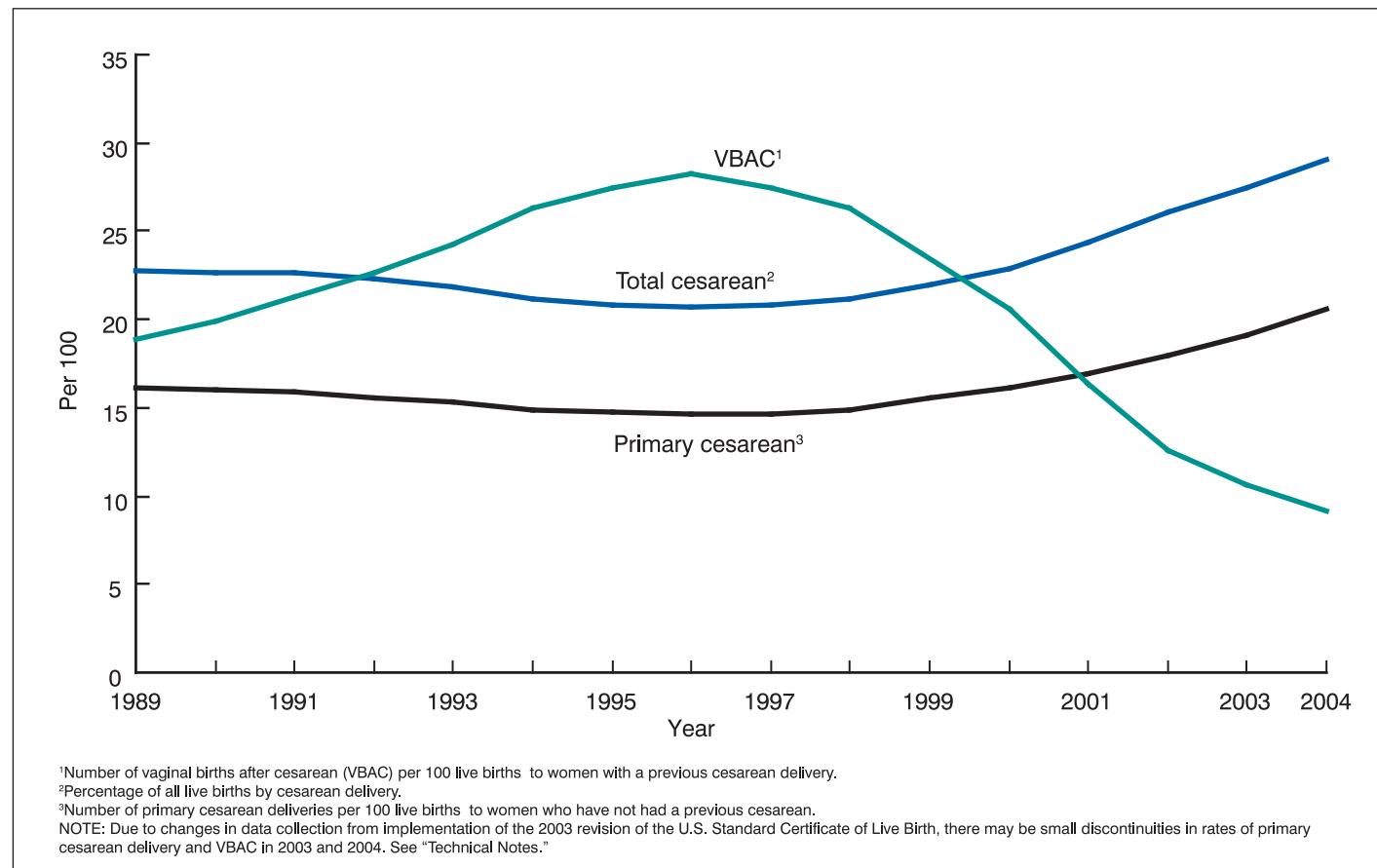


Figure 10. Total and primary cesarean rate and vaginal birth after cesarean rate: United States, 1989–2004

Method of delivery data based on the 1989 and the 2003 revisions of the U.S. Certificate of Live Birth are combined for all measures shown in this report. The numbers and percentages of total vaginal and total cesarean deliveries (e.g., the total cesarean delivery rate) appear to be very consistent between revisions. However, information on whether the delivery is a VBAC, primary cesarean, or repeat cesarean appears to be less comparable. In brief, data for the revised states show higher-than-expected VBAC and primary cesarean rates and lower-than-expected repeat cesarean rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard certificate of live birth (5,6). The changes to the method of delivery item appear to have a small impact (2 to 3 percent) on the national primary and VBAC rates shown in this report. However, changes in VBAC, primary, and repeat cesarean deliveries for states that have implemented the revised certificates should be interpreted with caution; see “[Technical Notes](#).”

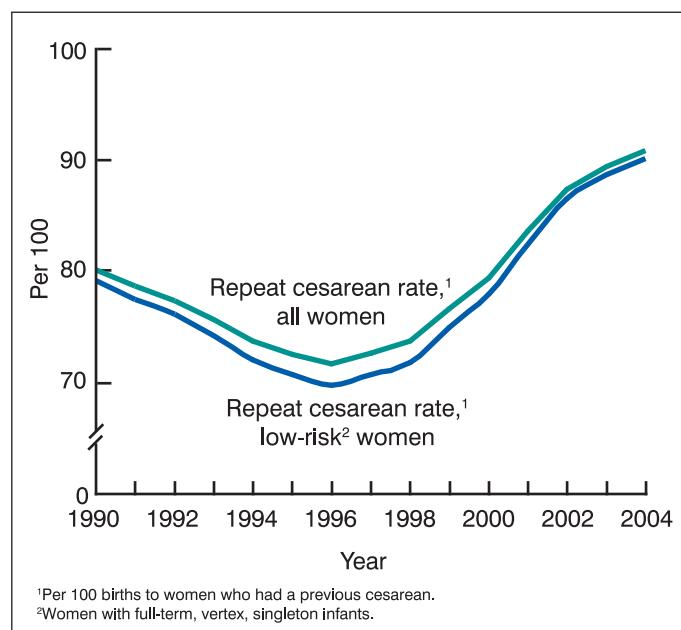
The primary cesarean rate for 2004 (20.6 per 100 live births to women who had no previous cesarean) was 8 percent higher than in 2003 (19.1). This rate has increased by an average of 5 percent each year during 1998–2003, and was 41 percent higher than the low reported for 1996–97 (14.6). The trends for rates for low-risk women, (i.e., women with a singleton, full-term infant in vertex presentation) are similar to those for all women (80,81). Rates for women at no indicated risk (i.e., those with singleton, full-term, vertex presentation births with no risk factors or complications of labor and delivery reported on the birth certificate) more than doubled between 1991–2003 (82) (data not shown). The increase in primary cesarean deliveries may be associated with nonclinical factors such as demographics, physician practice patterns, and maternal choice (77,83,84).

Between 2003 and 2004, the rate of VBAC fell 13 percent—from 10.6 to 9.2 per 100 women with a previous cesarean and the lowest level reported since this information has been collected on birth certificates (1989). The VBAC rate has fallen by 67 percent since 1996, after increasing by 50 percent between 1989 and 1996 (from 18.9 to 28.3 percent) ([Figure 10](#) and [Table 28](#)).

Among women with a first (primary) cesarean delivery, subsequent deliveries will be either a repeat cesarean or a VBAC. This steep decline in the rate of VBAC implies a corresponding rise in the rate of repeat cesarean deliveries (the rate of cesarean delivery per 100 women with a previous cesarean). The repeat rate increased from 71.7 to 90.8 percent between 1996 and 2004; therefore, once a woman has a cesarean delivery, it is highly likely (there is more than a 90 percent chance) that subsequent deliveries will be by cesarean. The trend was essentially the same for low-risk women ([Figure 11](#)). The steep decline in the VBAC rate (and, accordingly, the increase in the repeat cesarean rate) may be related to reports of risks associated with VBAC, more conservative practice guidelines, legal pressures, as well as the continuing debate regarding the harms and benefits of vaginal birth compared with cesarean delivery (78,84–87).

Between 2003 and 2004, the primary rate increased and the VBAC rate decreased for almost all ages, and for all racial and ethnic groups ([Table 28](#) and data not shown). These rates have also changed by a similar magnitude among low-risk women of all ages and racial and ethnic groups (81) and data not shown.

The primary cesarean rate rose 7 to 9 percent between 2003 and 2004, for non-Hispanic white, non-Hispanic black, and Hispanic women. The primary rate for non-Hispanic black women (22.5)



**Figure 11. Repeat cesarean rates for all women, and for low-risk women: United States, 1990–2004**

remained higher than the rates for non-Hispanic white and Hispanic women (21.1 and 18.2, respectively) ([Table 29](#)).

As in past years, primary cesarean rates rose as maternal age increased. For example, the 2004 rate for mothers aged 40–54 years (32.6) was over 75 percent higher than that for mothers under age 20 years (18.4) ([Table 29](#)). The higher rates for older mothers may be related to increased rates of multiple births, other biologic factors, and patient/practitioner concerns (88).

Declines in the VBAC rate were similar for the largest racial and Hispanic origin groups (11–13 percent) ([Table 29](#)). Until 2002, VBAC rates decreased with advancing maternal age. However, since 2002, VBAC rates have been essentially the same for all age groups.

For American Indian or Alaska Native women, the overall cesarean rate in 2004 was 25.1 percent; the rate for Asian or Pacific Islander women was 28.4 percent. Among Hispanic subgroups, the rate of cesarean delivery ranged between 27.1 for Mexican, to 43.4 for Cuban mothers ([Tables 23 and 24](#)).

Since 1996, as the cesarean rate has increased, the percentage of births delivered by either forceps or vacuum extraction has decreased 45 percent, from 9.4 to 5.2 percent ([Table J](#)). The rate of forceps delivery steadily decreased between 1989 and 2004, from 5.5 to 1.1. The rate of delivery by vacuum extraction, which had increased by 77 percent between 1989 (3.5) and 1997 (6.2 percent), has since decreased by one-third, to 4.1 percent for 2004.

Cesarean rates generally increased for all states (except Alaska) and the District of Columbia for 2003–04. As in previous years, there was considerable variation in cesarean rates by state, from under 22 percent in Alaska, Utah, and New Mexico, to over 32 percent for Kentucky, Louisiana, Mississippi, New Jersey, and West Virginia ([Table 30](#)). Almost one-half (47.7 percent) of births in Puerto Rico were cesarean deliveries. An analysis of cesarean delivery rates for Puerto Rican women by place of delivery (Puerto Rico compared with the U.S. mainland) found that rates in Puerto Rico were substantially higher than for Puerto Rican women who delivered on the U.S. mainland (89).

**Table J. Percentage of live births delivered by forceps or vacuum extraction: United States, 1989–2004**

Year	Forceps	Vacuum extraction	Forceps or Vacuum
2004	1.1	4.1	5.2
2003	1.3	4.3	5.6
2002	1.5	4.4	5.9
2001	1.8	4.5	6.3
2000	2.1	4.9	7.0
1999	2.3	5.1	7.4
1998	2.6	6.0	8.6
1997	2.8	6.2	9.0
1996	3.2	6.2	9.4
1995	3.5	5.9	9.4
1994	3.8	5.7	9.5
1993	4.1	5.3	9.4
1992	4.3	4.8	9.1
1991	4.6	4.4	9.0
1990 <sup>1</sup>	5.1	3.9	9.0
1989 <sup>2</sup>	5.5	3.5	9.0

<sup>1</sup>Excludes data for Oklahoma, which did not require reporting of method of delivery.

<sup>2</sup>Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not require reporting of method of delivery.

VBAC rates generally declined between 2003 and 2004 by state. In 2004, VBAC rates ranged from 4.2 in Louisiana, to 19.2 per 100 in Alaska and Utah. As noted above, increases for 2003–04 observed in VBAC rates in states that implemented the revised birth certificate likely reflect differences in wording and format between the 1989 and 2003 birth certificate revisions; see “[Technical Notes](#).”

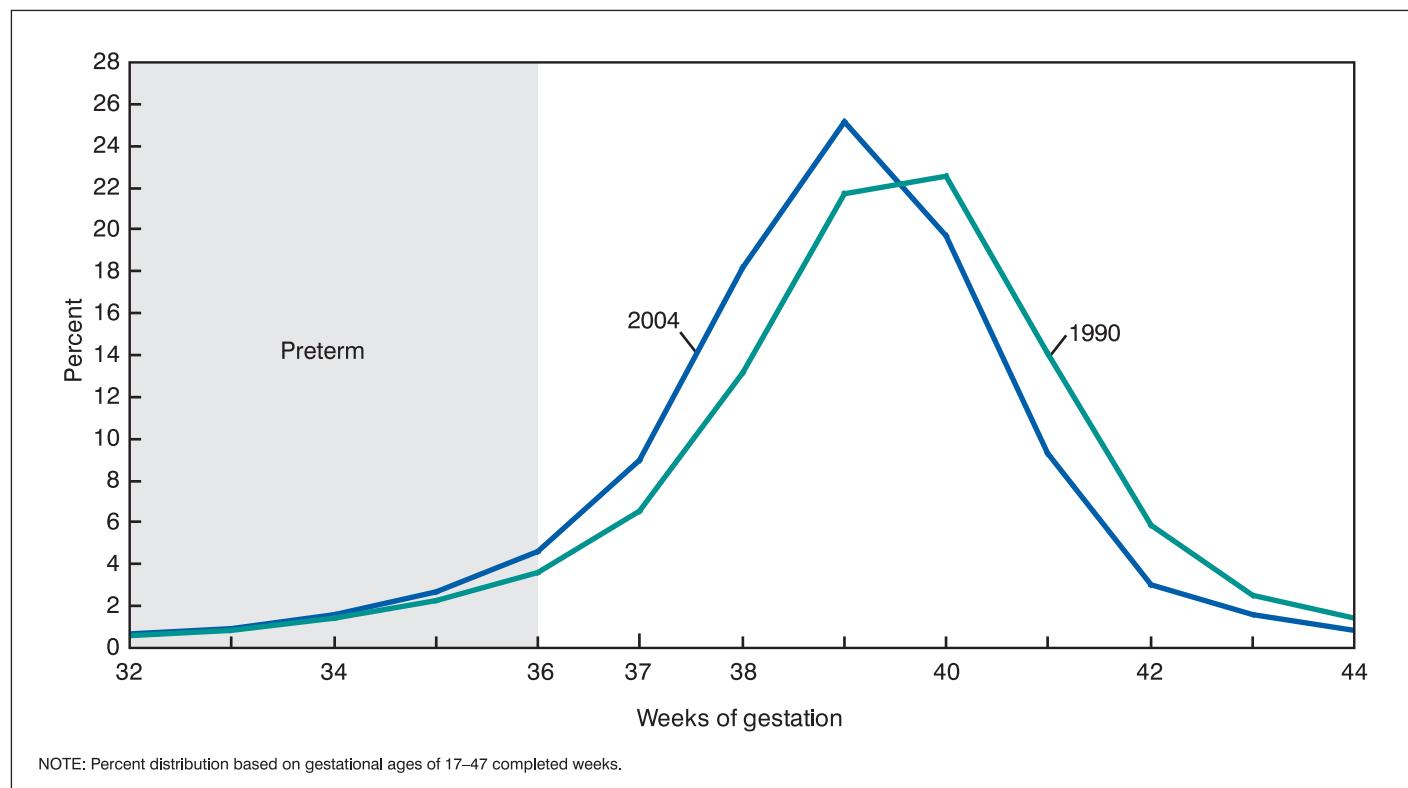
## Infant Health Characteristics

### Period of gestation

The **preterm birth rate** rose another 2 percent in 2004, to 12.5 percent of all births. More than one-half million (508,356) babies were born preterm (less than 37 completed weeks of gestation) in 2004, the highest number reported since comparable information on gestational age has been available from birth certificates (1981). The percentage of infants born preterm has risen 18 percent since 1990 (from 10.6 percent), and by 33 percent since 1981 (9.4 percent). Increases for 2003–04 are seen among very preterm, (less than 32 completed weeks of gestation), and moderately preterm (32–36 weeks) infants; see [Tables 23, 24, 31, and 32](#). Since 1990, the percentage of very preterm births (VPT) has risen from 1.92 to 2.01 percent, and that of moderately preterm infants (MPT) from 8.7 to 10.5 percent.

Preterm birth is a leading cause of infant morbidity and mortality, accounting for nearly one-half of all congenital neurological defects such as cerebral palsy, and more than two-thirds of infant deaths (90,91). The causes and best management of preterm labor are not fully understood (91–93).

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 infant's date of birth. The LMP-based gestational age is subject to error for several reasons; see “[Technical Notes](#).” Although these data are edited for gestational ages that are

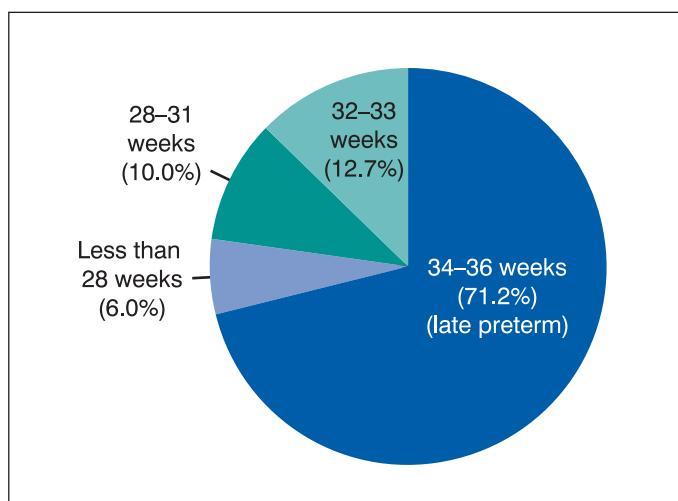


**Figure 12. Percent distribution of births by gestational age (32–44 weeks): United States, 1990 and 2004**

clearly inconsistent with the infant's birthweight, these edits are conservative and substantial incongruities in these data persist. Changes in reporting of this measure over time may have some effect on trends in preterm birth rates, particularly by race (94–96).

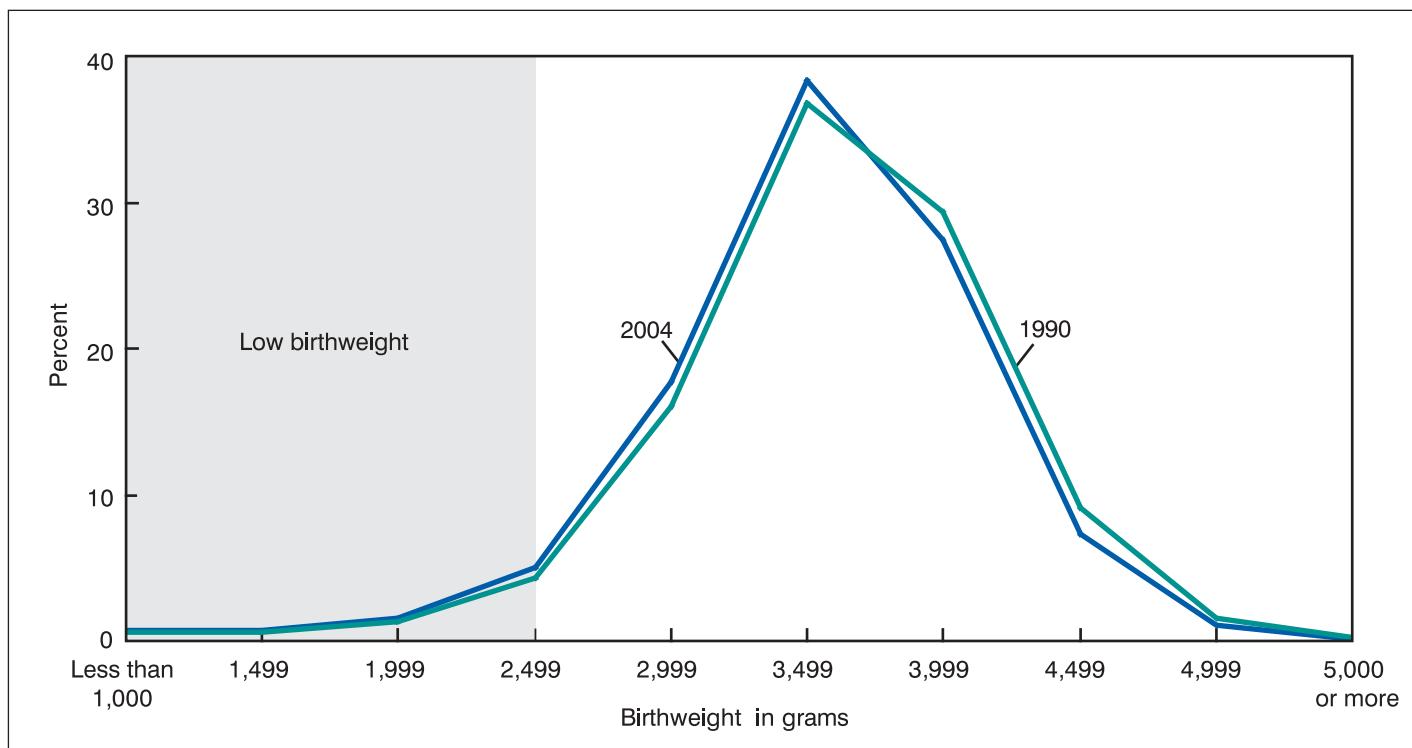
Because of their growing numbers and heightened risk of early delivery compared with singletons, multiple births have an important influence on recent trends in preterm birth rates. Accordingly, when only singleton births are examined, a slightly different trend emerges from that for all births. Among singletons only, the preterm rate rose 11 percent between 1990 and 2004 (9.7 to 10.8 percent); nearly all of the increase was among infants delivered at 34–36 weeks, or "late preterm;" see [Figure 12](#) and [Table K](#). A small decline, from 1.69 to 1.61 percent, is seen in singleton VPT births over this period. The increase in late preterm births is of concern because these babies comprise more than 70 percent of all preterm births ([Figures 12](#) and [13](#)) and, although infants born at 34–36 weeks are at lower risk of adverse outcome compared with infants born at earlier gestational ages, they are at heightened risk when compared with infants delivered at higher ages (97,98).

The trend to earlier deliveries is also seen at later gestational ages, that is, at term or later (37 and more weeks). Among singleton births, the percentage of births delivered at 40 weeks and greater declined from 36.9 to 36.2 between 2003 and 2004, and the percentage of births at 37–39 weeks increased from 52.5 to 53.0 ([Table K](#)). Since 1990, the percentage of births 40 weeks and greater has dropped by more than 25 percent. The marked shift in the gestational age distribution suggests increases in the use of delivery management techniques such as induction of labor and cesarean delivery (99–101). The rise in preterm births has been shown to have occurred among births with these medical interventions, and also among "spontaneous" deliveries or those for whom no intervention is reported (102–104).



**Figure 13. Percent distribution of preterm births: United States, 2004**

Preterm rates rose for the current year for non-Hispanic white (11.3 to 11.5 percent), and Hispanic infants (11.9 to 12.0 percent); the change among non-Hispanic black infants was not statistically significant (17.8 to 17.9 percent) ([Table 32](#)). Since 1990, preterm birth rates have risen by more than one-third for non-Hispanic white births (from 8.5 percent), and 9 percent for Hispanic births (11.0 percent). Preterm rates among non-Hispanic black infants appeared to have declined during the 1990s (from 18.9 percent in 1990 to 17.4 in 2000), but have been on the rise since. The risk of preterm birth in 2004 for non-Hispanic black newborns was nearly 50 percent higher than that for non-Hispanic white and Hispanic black infants. Preterm birth rates for American Indian or



**Figure 14. Percent distribution of births by birthweight: United States, 1990 and 2004**

**Table K. Percent distribution of gestational age of all births and for singleton births only: United States, 1990, 2003, and 2004**

Gestational age	All births			Singleton births		
	2004	2003	1990	2004	2003	1990
Under 28 weeks . . . . .	0.75	0.74	0.71	0.61	0.60	0.61
28–31 weeks . . . . .	1.25	1.22	1.21	1.01	0.99	1.08
Total under 32 weeks . . . . .	2.01	1.97	1.92	1.61	1.58	1.69
32–33 weeks . . . . .	1.59	1.57	1.40	1.28	1.25	1.24
34–36 weeks . . . . .	8.90	8.80	7.30	7.88	7.81	6.77
Total under 37 weeks . . . . .	12.49	12.33	10.61	10.77	10.65	9.70
37–39 weeks . . . . .	52.36	51.85	41.38	53.03	52.48	41.42
40 and higher weeks. . . . .	35.15	35.82	48.00	36.20	36.87	48.88

Alaska Native (AIAN), Asian or Pacific Islander (API), and the Hispanic subgroups are shown in [Tables 24](#) and [25](#).

## Birthweight

The **low birthweight rate (LBW)** increased again, to 8.1 percent in 2004, from 7.9 percent in 2003, the highest level reported since 1969. The percentage of infants born at less than 2,500 grams or 5 lb 8 oz, has generally been on the rise over the last two decades; the 2004 rate is 16 percent higher than that reported for 1990 (7.0 percent), and 21 percent higher than the 1984 low (6.7 percent); (see [Figures 1, 14, and Tables 31, 32, and 34](#)). Increases for 2003–04 were observed for both very low (less than 1,500 grams, or less than 3 lb 4 oz), and moderately low birthweight (1,500 to 2,499 grams or 3 lb 5 oz to 5 lb 8 oz) infants. The percentage of infants born **very low birthweight (VLBW)** increased from 1.45 to 1.48, and is up from 1.27 since 1990. The percentage of infants born moderately low birthweight (MLBW) rose from 6.48 to 6.60 for 2003–04, and is up from 5.69 percent since 1990.

The weight of the newborn is an important predictor of future morbidity and mortality (90,105,106). For VLBW infants, the risk of dying in the first year of life is nearly 100 times that of normal weight infants; the risk for MLBW infants is more than five times higher than that of heavier newborns. Mortality risk is lowest for infants born at 3,500–4,500 grams (7 lb 12 oz to 9 lb 14 oz) (90).

The pronounced shift in recent years in the birthweight distribution toward smaller babies is demonstrated in [Figures 1 and 14](#). Between 1990 and 2004, increases are observed for each 500 gram interval under 3,500 grams. In contrast, large declines are seen at 3,500 grams and over. Trends are similar when singleton births of 2,500 grams and higher are examined; however, increases for birthweight intervals less than 2,500 grams are substantially reduced (see [Table L](#) for trends in singleton birthweight). Of particular note is the large decline in the percentage of infants delivered at 4,000–4,499 grams (8 lb 14 oz–9 lb 14 oz), down 4 percent for 2003–04, and 20 percent since 1990. Infants delivered at 4,000–4,499 grams are more likely than infants delivered at all other birthweights, to survive to their first birthday (90). The percentage of all infants 4,000 grams or more dropped from 8.9 to 8.5 percent between 2003 and 2004. The proportion of higher birthweight infants has fallen from levels of over 11 percent since the 1980s. Increases in the multiple birth rate, obstetric interventions such as induction of labor and cesarean delivery, older maternal age at childbearing, and increased use of infertility therapies may have influenced

the trends toward lower birthweights. See also sections on “Obstetric procedures,” “Method of delivery,” and “Period of gestation” (99,100,107–111).

LBW levels increased for 2003–04 among each of the largest racial and ethnic groups; non-Hispanic white (from 7.0 to 7.2 percent), non-Hispanic black (from 13.6 to 13.7 percent), and Hispanic (from 6.7 to 6.8 percent) ([Table 32](#)). Increases in VLBW rates were statistically significant for non-Hispanic white and Hispanic infants, but not for non-Hispanic black infants. See [Tables 23 and 24](#) for VLBW and LBW levels for population subgroups; AIAN, API, Mexican, Puerto Rican, Cuban, and Central and South American infants.

The rise in the rate of multiple births, which tend to be born much smaller than singletons (see section on “Multiple births”) has strongly influenced the upward swing in the LBW rate; however, low birthweight among infants in single deliveries has also been on the increase. For 2004, the **LBW rate for singletons** increased to 6.3 percent, from 6.2 percent for 2003. Singleton LBW has risen 5 percent since only 2000 (6.0 percent). The VLBW rate among singletons was 1.12 for 2004, compared with 1.11 percent in 2003. In 2004, the **mean or average birthweight** for infants delivered in single deliveries was 3,316 grams (7 lb, 5 oz), down 1 percent since 1990 ([Table L](#)).

Singleton LBW rose between 2003 and 2004 among non-Hispanic white and Hispanic infants; the increase for non-Hispanic black infants was not statistically significant ([Table L](#)). Since 1990, LBW rates for singletons have risen 8 and 14 percent for Hispanic and non-Hispanic white infants, respectively, and declined 2 percent among non-Hispanic black newborns.

The **youngest and oldest mothers** are the most likely to deliver LBW infants. For 2004, the lowest LBW levels were reported for women aged 25–34 years; the highest for teenagers under 15 years and women aged 45–54 years ([Table 34](#)). However, much of the elevated LBW risk among older mothers is associated with their higher multiple birth rates. When only singleton births are examined for this age group for 2004, the LBW rate for the oldest mothers drops from 21 to 10 percent. (Data not shown.)

**Low birthweight levels also differ widely by state or reporting area.** For 2004, more than 10 percent of all infants in Alabama, Louisiana, Mississippi, South Carolina, and the District of Columbia were born LBW, compared with less than 6.5 percent of infants in Alaska, Maine, Oregon, Vermont, and Washington. Differences in demographic characteristics such as maternal age and race and ethnicity explain some of the overall differences in birth outcome among states ([Tables 35 and 36](#)).

**Table L. Rate of very low birthweight and low birthweight, and mean birthweight among singletons by race and Hispanic origin of mother, United States: 1990, 1995, 2000, and 2004**

	2004	2003	2000	1995	1990 <sup>1</sup>
All races and origins <sup>2</sup>					
Percent very low birthweight . . . . .	1.12	1.11	1.11	1.08	1.05
Percent low birthweight . . . . .	6.31	6.20	6.00	6.05	5.90
Mean birthweight in grams (standard deviation) . . . . .	3,316 (570)	3,325 (571)	3,348 (577)	3,353 (581)	3,365 (583)
Non-Hispanic white					
Percent very low birthweight . . . . .	0.83	0.82	0.80	0.78	0.73
Percent low birthweight . . . . .	5.22	5.11	4.88	4.87	4.56
Mean birthweight in grams (standard deviation) . . . . .	3,375 (554)	3,384 (555)	3,410 (560)	3,416 (563)	3,433 (562)
Non-Hispanic black					
Percent very low birthweight . . . . .	2.61	2.61	2.62	2.55	2.54
Percent low birthweight . . . . .	11.70	11.58	11.28	11.66	11.92
Mean birthweight in grams (standard deviation) . . . . .	3,115 (628)	3,122 (631)	3,141 (637)	3,132 (635)	3,128 (635)
Hispanic <sup>3</sup>					
Percent very low birthweight . . . . .	0.98	0.94	0.94	0.93	0.87
Percent low birthweight . . . . .	5.63	5.55	5.36	5.36	5.23
Mean birthweight in grams (standard deviation) . . . . .	3,316 (548)	3,324 (548)	3,344 (552)	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 races other than white and black and origin not stated.

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

NOTES: Very low birthweight is less than 1,500 grams. Low birthweight is less than 2,500 grams. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

## Apgar score

To evaluate the general physical condition of the newborn, the Apgar score has been employed for over 50 years. Historically, the score has been a measure taken at 1 minute (no longer available from vital statistics), 5 minutes, and if desired, at additional 5-minute intervals after delivery (112). The Apgar score measures five easily identifiable characteristics of newborn infants. 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 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 Apgar score can be a useful clinical indicator for reporting overall status of the newborn and response to resuscitation efforts, but it has limited use as a stand-alone measure to diagnose conditions such as asphyxia (113). The Apgar score at 5 minutes is a valid predictor of neonatal mortality, but less so for long-term outcome; also it correlates poorly with future neurological dysfunction (113).

In 2004, the proportion of newborns with 5-minute Apgar scores indicating excellent infant health status (9 or 10 points) declined to 88.8 percent (Table M). This decrease followed a very slow increase from 88.6 to 91.1 percent between 1978 and 2003. A small but significant increase in the proportion of 2004 births with low Apgar scores (below 7) to 1.5 percent is a departure from long-term stability in this measure. The proportion of births with low scores had declined over 30 percent from 1978 to 1993 (2.1 percent to 1.4); was unchanged at 1.4 percent through 2003. Low 5-minute Apgar scores are associated with lower birthweight and shorter gestational age (114,115).

Among racial and ethnic groups in 2004, non-Hispanic blacks had the highest percent (0.95 percent) of very low Apgar scores (0 to 3 points), which is more than twice the level of other groups (Table M). APIs had the lowest percent (0.33) of live births in this category.

## Congenital anomalies

In this report, data are presented for the five congenital anomalies reported on both the revised and unrevised U.S. Standard Certificates of Live Birth; see "Technical Notes."

Congenital anomalies are the leading cause of infant death in the U.S. (90). They also cause metabolic disorders and disability (116). The national 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 has been described elsewhere; increased folate use among women of childbearing age has been reported (117,118). It has been suggested that greater maternal weight may be a risk factor for NTDs (119), and that multivitamin supplementation may protect against defects other than NTDs (120).

The rate for the NTD **anencephalus** was 10.9 in 2004, compared with 11.4 per 100,000 births in 2003. The 2003 level was the highest rate reported since 1997. The anencephalus rate, which had declined in the early 1990s, was stable for 1994–97. Between 1998 and 2002, the rate was essentially unchanged, but generally lower than in previous years (117). The spina bifida/meningocele rate was 19.3 per 100,000 in 2004, compared with 18.7 in 2003 (Table 25). The spina bifida rate increased between 1992 and 1995 and declined for 1995–99 (117). The rate for this anomaly has not changed significantly in more recent years.

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.

Among the most commonly reported specific anomalies, cleft lip/palate was reported at a rate of 77.7 per 100,000 births. The rate of Down's syndrome was 47.9.

**Table M. Apgar score at 5 minutes, by race and Hispanic origin of mother: 48 states and the District of Columbia, 2004**

5-minute Apgar score	All races and origins <sup>1</sup>	Non-Hispanic white	Non-Hispanic black	American Indian or Alaska Native total <sup>2,3</sup>	Asian or Pacific Islander total <sup>3</sup>	Hispanic <sup>4</sup>
0–3 Poor . . . . .	0.5	0.4	1.0	0.4	0.3	0.4
4–6 Intermediate . . . . .	1.1	1.0	1.5	1.1	0.7	0.8
7–8 Good . . . . .	9.7	10.2	10.2	9.5	7.3	7.9
9–10 Excellent . . . . .	88.8	88.4	87.3	89.1	91.6	90.9

<sup>1</sup>Includes origin not stated.<sup>2</sup>Includes births to Aleuts and Eskimos.<sup>3</sup>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."

NOTES: Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Congenital anomalies are underreported on the birth certificate; however, birth certificate data may be a valuable resource for exploratory or confirmatory studies (121). Data from birth certificates have been used to support an association between maternal smoking and birth defects such as cleft lip/palate and clubfoot (121,122).

The most serious or apparent anomalies are more likely to be observed and documented prior to birth registration; early recognition and reporting of congenital anomalies are limited because many anomalies are not recognizable at birth (123).

Rates for certain types of anomalies differ widely with maternal age (Table 25). For example, in 2004 as in past years, infants of the youngest mothers have the highest rates for omphalocele/gastroschisis (a defect or abnormality of the anterior abdominal wall) (124); infants of mothers aged 35 years and over have the highest rates for Down's syndrome.

## Multiple births

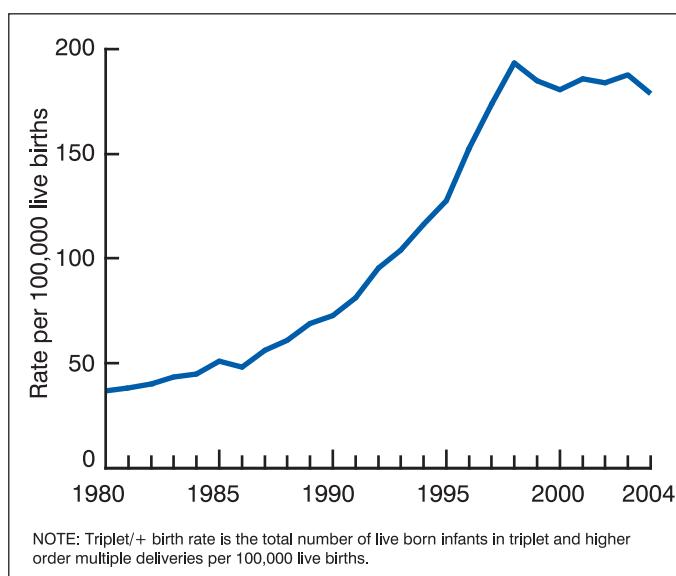
The twin birth rate rose 2 percent for 2004, to 32.2 twins per 1,000 total births, another record high. The twinning rate has climbed 42 percent since 1990 (from 22.6), and 70 percent since 1980 (18.9). The number of live births in twin deliveries rose to 132,219, nearly double the number reported for 1980 (from 68,339) (125); (see Tables 37 and 38).

In contrast to the continued upswing in twin births, the rate of triplet and higher-order multiple births (triplet/+ birth rate) declined 6 percent for 2004, to 176.9 per 100,000, from 187.4 in 2003. The triplet/+ birth rate (the number of triplets, quadruplets, quintuplets, and other higher-order multiples per 100,000 live births) soared by more than 400 percent between 1980 and 1998 (from 37.0 to 193.5 per 100,000 births) (125). Since 1999, however, this rate has been comparatively stable, trending slightly downward; the current year level is 9 percent lower than the 1998 peak; see Figure 15. In 2004, 7,275 triplet/+ were born, a drop of 5 percent from the previous year, and the lowest number reported since 1997. Similar trends in twinning and in triplet/+ birth rates have been observed over the last several decades in England and Wales (126).

Despite the recent small amelioration in triplet/+ birth rates, levels remain 4-fold higher than those observed prior to the introduction of fertility therapies in the early 1980s. Further, because twins make up the bulk of all multiple births (95 percent in 2004), the overall proportion

of multiple births has continued to rise steadily, reaching an all-time high of 33.9 per 1,000 for 2004. The rising incidence of multiple births over the last two decades, especially that for higher-order multiples, has been associated with two related trends, the older age at childbearing (women in their thirties are more likely than younger women to conceive multiples spontaneously) and the increasing use of fertility therapies (28,127–130). These therapies include ovulation-inducing drugs, and assisted reproductive technologies (ART) in which eggs and sperm are handled in the laboratory (e.g., *in vitro* fertilization). ART is estimated to account for 44 percent of triplets and 16 percent of twins born in 2003 (131). (Note: these estimates do not take into account the impact of non-ART procedures.)

The recent interruption in the upsurge of triplet/+ births may be in part related to recommendations in the late 1990s (further refined in 2004) from the American Society of Reproductive Medicine intended to prevent higher-order multiple pregnancies by limiting the number of embryos transferred (132,133). A shift from the transfer of 3 embryos (a predictor of triplet/+ deliveries) to 2 embryos, appears to have occurred between the mid- to late 1990s and 2002 (the most recent

**Figure 15. Triplet/+ birth rate: United States, 1980–2004**

year for which data are available) (130,134). Other factors also may have influenced the recent change in triplet/+ birth rates (135,136).

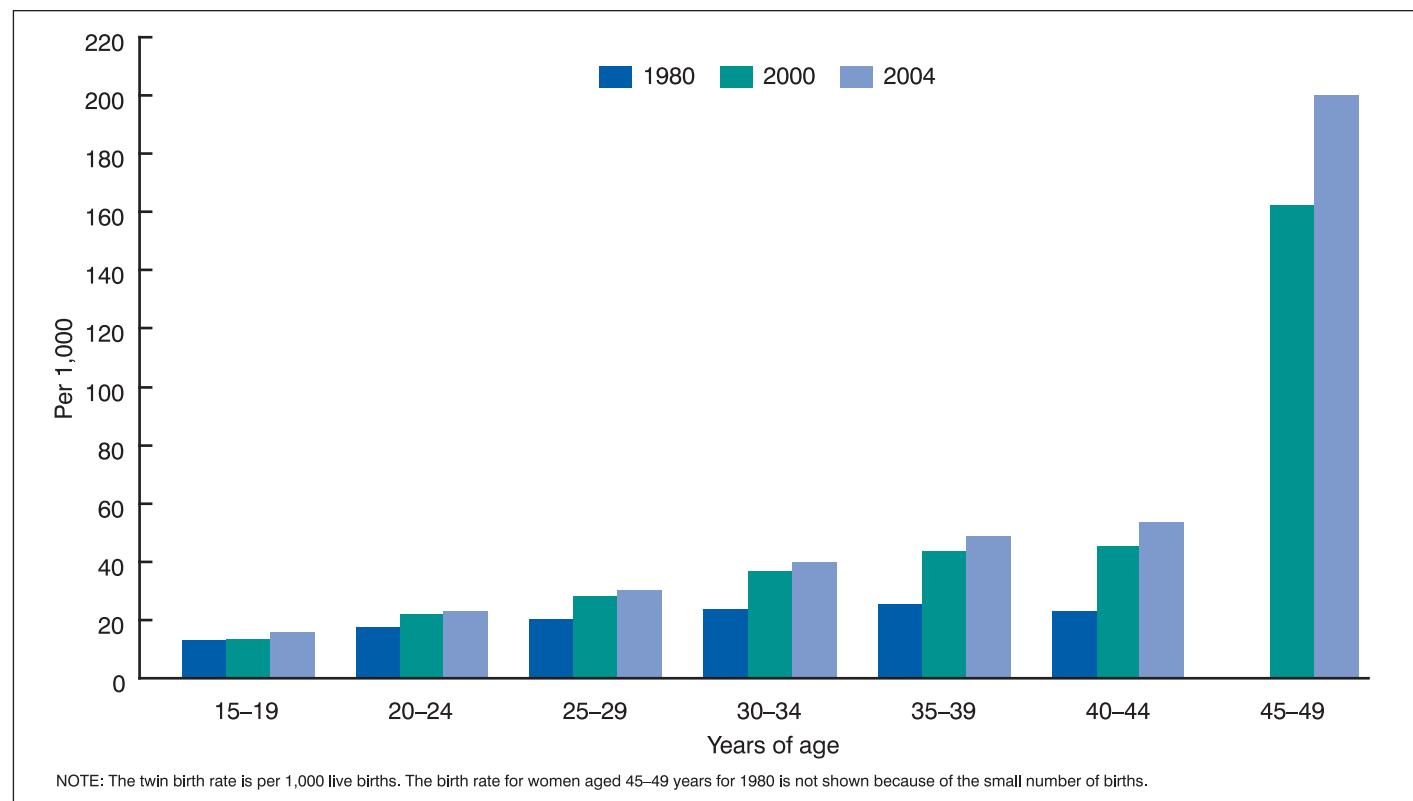
Twining rates increased between 2003 and 2004 among non-Hispanic white (36.3 in 2004), non-Hispanic black (35.6), and Hispanic women (21.5); the increase for Hispanic women was not statistically significant. Triplet/+ births declined among non-Hispanic white (243.4 per 100,000 for 2004), non-Hispanic black (99.7), and Hispanic mothers (76.4) (the decline in non-Hispanic black triplet/+ births was not significant). The fastest growth and the highest rates of twins and triplet/+ births in recent years have been observed among non-Hispanic white mothers; this group is also the most likely to receive infertility services (29). Since 1990, the twinning rate has risen 59 percent for non-Hispanic white women, compared with increases of 33 and 19 percent for non-Hispanic black and Hispanic mothers, respectively.

Multiple birth rates have risen for women of all age groups over the last several decades, but the largest growth has been among older mothers, especially those aged 35 years and over. For example, among women aged 20–24 years the twin birth rate increased 31 percent

between 1980 and 2004, compared with an increase of 133 percent for women aged 40–44 years (125) **see Figure 16**.

On average, multiple births are born much earlier and smaller than singletons, and are more likely to die within the first year of life. In 2004, the average birthweight of twins was nearly 1,000 grams lower than that of singletons (2,333 grams, or 5 lb 2 oz, compared with 3,316 grams, or 7 lb 5 oz); the average triplet/+ weighed about one-half the average singleton (1,700 grams, or 3 lb 12 oz); **see Text Table N**. In 2003, the mortality rate for infants born in multiple deliveries was more than four times higher than that for singletons (90).

Twining and triplet/+ birth rates range widely by the mother's state of residence (**Table 39**). The lowest twin birth rate reported for the combined 3-year period 2002–04 was 23.8 per 1,000 for New Mexico, compared with a high of 45.2 for Massachusetts. These states also reported among the lowest and highest triplet/+ rates for 2002–04 (69.1 per 100,000 for New Mexico and 308.0 for Massachusetts). Other states with substantially higher rates of triplet/+ birth rates were Nebraska (336.2) and New Jersey (331.4).



**Figure 16. Twin birth rate by age of mother: United States, 1980, 2000, and 2004**

**Table N. Gestational age and birthweight characteristics by plurality: United States, 2004**

Gestational age	Twins	Triplets	Quadruplets	Quintuplets and higher order multiples <sup>1</sup>	Singletons
Number . . . . .	132,219	6,750	439	86	3,972,558
Percent very preterm <sup>2</sup> . . . . .	11.8	35.9	64.9	81.4	1.6
Percent preterm <sup>3</sup> . . . . .	59.7	93.0	95.9	100.0	10.8
Mean gestational age in weeks (standard deviation) . . . . .	35.2 (3.6)	32.1 (3.9)	29.7 (4.5)	28.4 (2.7)	38.7 (2.4)
Percent very low birthweight <sup>4</sup> . . . . .	10.2	33.2	65.1	84.9	1.1
Percent low birthweight <sup>5</sup> . . . . .	56.6	94.1	98.4	100.0	6.3
Mean birthweight in grams (standard deviation) . . . . .	2,333 (634)	1,700 (559)	1,276 (552)	1,103 (383)	3,316 (570)

<sup>1</sup>Quintuplets, sextuplets, and higher order multiple births are not differentiated in the national data set.

<sup>2</sup>Very preterm is less than 32 completed weeks of gestation.

<sup>3</sup>Preterm is less than 37 completed weeks of gestation.

<sup>4</sup>Very low birthweight is less than 1,500 grams.

<sup>5</sup>Low birthweight is less than 2,500 grams.

## References

1. Hamilton BE, Martin JA, Ventura SJ, et al. Births: Preliminary data for 2004. National vital statistics reports; vol 54 no 8. Hyattsville, MD: National Center for Health Statistics. 2005.
2. National Center for Health Statistics. Natality public-use tape and CD-ROM. Hyattsville, MD: National Center for Health Statistics. Annual products.
3. National Center for Health Statistics. Vital statistics of the United States, 2001, volume I, natality. Available from: <http://www.cdc.gov/nchs/datawh/statab/unpubd/natality/natab2001.htm>.
4. Martin JA, Hamilton BE, Sutton PD, et al. Births: Final data for 2003. National vital statistics reports; vol 52 no 10. Hyattsville, MD: National Center for Health Statistics. 2005.
5. National Center for Health Statistics. 2003 revision of the U.S. Standard Certificate of Live Birth. 2003. Available from: [http://www.cdc.gov/nchs/vital\\_certs\\_rev.htm](http://www.cdc.gov/nchs/vital_certs_rev.htm).
6. National Center for Health Statistics. Report of the Panel to Evaluate the U.S. Standard Certificates and Reports. National Center for Health Statistics. 2000. Available from: [http://www.cdc.gov/nchs/data/dvs/panelreport\\_acc.pdf](http://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf).
7. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 2003, vol I natality. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics. Hyattsville, MD: Available from: [http://www.cdc.gov/nchs/data/TechApp03\\_1-09.pdf](http://www.cdc.gov/nchs/data/TechApp03_1-09.pdf) and included on the CD-ROM titled: Vital Statistics of the United States, vol 1, Natality, 2003.
8. Office of Management and Budget. Race and ethnic standards for federal statistics and administrative reporting. Statistical Policy Directive 15. May 12, 1977.
9. 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 from: <http://www.whitehouse.gov/omb/fedreg/ombdir15.html>.
10. Ingram DD, Parker JD, Schenker N, et al. United States Census 2000 with bridged race categories. National Center for Health Statistics. Vital Health Stat 2 (135). 2003. Available from: [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_135.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_135.pdf).
11. Schenker N, Parker JD. From single-race reporting to multiple-race reporting: Using imputation methods to bridge the transition. Stat Med 22:1571–87. 2003.
12. Johnson D. Coding and editing multiple race. Presented at the 2004 Joint Meeting of NAPHSIS and VSCP. Portland, OR: June 6–10, 2004. Available from: <http://www.naphsis.org/events/index.asp?bid=699>.
13. Weed JA. Coding and editing multiple race. Presented at the 2004 Joint Meeting of NAPHSIS and VSCP. Portland, OR: June 6–10, 2004. Available from: [http://www.cdc.gov/nchs/data/dvs/Multiple\\_race\\_docu\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf).
14. Martin JA, Hamilton BE, Sutton PD, et al. Births: Final data for 2002. National vital statistics reports; vol 52 no 10. Hyattsville, MD: National Center for Health Statistics. 2003.
15. Menacker F, Martin JA, MacDorman MF, et al. Births to 10–14 year-old mothers, 1990–2002: Trends and health outcomes. National vital statistics reports; vol 53 no 7. Hyattsville, MD: National Center for Health Statistics. 2004.
16. National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2004, by year, state and county, age, bridged race, sex, and Hispanic origin (vintage 2004). File pcen\_v2004\_y04.txt (ASCII). Released September 8, 2005. Available from: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm>.
17. Elam-Evans LD, Strauss LT, Herndon J, et al. Abortion surveillance—United States, 2000. Surveillance Summaries. MMWR 52(SS-12). 2003.
18. Henshaw S. The Alan Guttmacher Institute. Unpublished tabulations. 2004.
19. Ventura SJ, Abma JC, Mosher WD, Henshaw S. Estimated pregnancy rates for the United States, 1990–2000: An update. National vital statistics reports; vol 52 no 23. Hyattsville, MD: National Center for Health Statistics. 2004.
20. Ventura SJ, Mosher WD, Curtin SC, et al. Trends in pregnancies and pregnancy rates by outcome: Estimates for the United States, 1976–96. National Center for Health Statistics. Vital Health Stat 21(56). 2000.
21. Strauss LT, Herndon J, Chang J, et al. Abortion surveillance—United States, 2002. Surveillance Summaries. MMWR 54(SS-7). 2005.
22. Strauss LT, Herndon J, Chang J, et al. Abortion surveillance—United States, 2001. Surveillance Summaries. MMWR 53(SS-9). 2004.
23. Abma JC, Martinez GM, Mosher WD, Dawson BS. Teenagers in the United States: Sexual activity, contraceptive use, and childbearing, 2002. National Center for Health Statistics. Vital Health Stat 23(24). 2004.

- 28 National Vital Statistics Reports, Vol. 55, No. 1, September 29, 2006
24. Eaton DK, Kann L, Kinchen S, et al. Youth risk behavior surveillance—United States 2005. Surveillance Summaries. MMWR 55(SS-5). 2006.
25. National Campaign to Prevent Teen Pregnancy. Preventing teen pregnancy: Why care? Available from: <http://www.teenpregnancy.org/wycare/default.asp> (accessed May 22, 2006).
26. Centers for Disease Control and Prevention. Adolescent reproductive health, teen pregnancy. Available from: <http://www.cdc.gov/reproductivehealth/AdolescentReproHealth/index.htm> (accessed May 22, 2006).
27. 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, MD: National Center for Health Statistics. 2003. Available from: [http://www.cdc.gov/nchs/data/nvsr/nvsr51/nvsr51\\_12.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr51/nvsr51_12.pdf).
28. Reynolds MA, Schieve LA, Martin JA, et al. Trends in multiple births conceived using assisted reproductive technology, United States, 1997–2000. Pediatrics 111(5):1159–66. 2003.
29. Chandra A, Martinez GM, Mosher WD, et al. Fertility, family planning, and reproductive health of U.S. women: Data from the 2002 National Survey of Family Growth. National Center for Health Statistics. Vital Health Stat 23(25). 2005.
30. Chandra A, Stephen EH. Impaired fecundity in the United States: 1982–1995. Fam Plan Persp 30(1):34–42. 1998.
31. Mathews TJ, Hamilton BE. Mean age of mother, 1970–2000. National vital statistics reports; vol 51 no 1. Hyattsville, MD: National Center for Health Statistics. 2002.
32. Sutton PD, Mathews TJ. Trends in characteristics of births by state: United States, 1990, 1995, and 2000–2002. National vital statistics reports; vol 52 no 19. Hyattsville, MD: National Center for Health Statistics. 2004.
33. Mathews TJ, Hamilton BE. Trend analysis of sex ratio at birth in the United States. National vital statistics reports; vol 53 no 20. Hyattsville, MD: National Center for Health Statistics. 2005.
34. Ventura SJ, Bachrach CA. Nonmarital childbearing in the United States, 1940–99. National vital statistics reports; vol 48 no 16. Hyattsville, MD: National Center for Health Statistics. 2000.
35. Fields J. Unpublished data from the March 2003 current population survey. U.S. Census Bureau. 2003.
36. U.S. Census Bureau. Unpublished data from the March 2004 current population survey. U.S. Census Bureau. 2004.
37. U.S. Census Bureau. Unpublished data from the March 2005 current population survey. U.S. Census Bureau. 2005.
38. U.S. Census Bureau. Years of school completed by people 25 years and over, by age and sex: Selected years 1940 to 2004. Table A-1. Washington: U.S. Department of Commerce. Released March 2005. Available from: <http://www.census.gov/population/socdemo/education/tabA-1.xls>.
39. Dye JL. Fertility of American women: June 2004. Current population reports, P20–555. Washington: U.S. Census Bureau. 2005.
40. Alexander LL, La Rosa JH, Bader H. New dimensions in women's health (2nd ed). Boston, MA: Jones and Bartlett. 2001.
41. Ehrenberg HM, Dierker L, Milluzzi C, Mercer BM. Low maternal weight, failure to thrive in pregnancy, and adverse pregnancy outcomes. Am J Obstet Gynecol 189:1726–30. 2003.
42. Schieve LA, Cogswell ME, Scanlon KS, et al. Prepregnancy body mass index and pregnancy weight gain: Associations with preterm delivery. Obstet Gynecol 96:194–200. 2000.
43. Abrams B, Altman, SL, Picket KE. Pregnancy weight gain: Still controversial. Am J Clin Nutr 71(5) S:1233–41. 2000.
44. Centers for Disease Control and Prevention. BMI—Body Mass Index: About BMI for Adults. [http://www.cdc.gov/nccdphp/dnpa/bmi/adult\\_BMI/about\\_adult\\_BMI.htm](http://www.cdc.gov/nccdphp/dnpa/bmi/adult_BMI/about_adult_BMI.htm) (accessed June 1, 2006).
45. American Academy of Pediatrics and American College of Obstetricians and Gynecologists. Guidelines for perinatal care (4th ed). 1997.
46. Lydakis C, Beavers DG, Beavers M, Lip GYH. Obstetric and neonatal outcome following chronic hypertension in pregnancy among different ethnic groups. QJM 91(12):837–44. 1998.
47. Cunningham FG, Gant NF, Leveno KJ, et al. Eds. Williams obstetrics (21st ed). New York, NY: McGraw-Hill. 2001.
48. Scott JR, DiSaia PJ, Hammond CB, et al. Eds. Danforth's obstetrics and gynecology (8th ed). Philadelphia, PA: Lippincott Williams & Wilkins. 1999.
49. Eaton SC, Kirmeyer SW. Prevalence of type 2 diabetes mellitus in the United States. Research Triangle Park, NC: RTI Health Solutions. 2003.
50. National Center for Health Statistics. Vital statistics of the United States, 1990, vol I, natality. Hyattsville, MD: National Center for Health Statistics. 1994.
51. CDC. Smoking during pregnancy—United States, 1990–2002. MMWR 53(39):911–15. 2004.
52. Phares TM, Morrow B, Lansky A, et al. Surveillance for disparities in maternal health-related behaviors—selected states, Pregnancy Risk Assessment Monitoring System (PRAMS), 2000–2001. MMWR 53(SS-4). 2004.
53. Kharrazi M, Epstein D, Hopkins B, et al. Evaluation of four smoking questions. Public Health Rep 114(1):60–70. 1999.
54. Hooley C, McCoy R. Changing the standards . . . the Vermont experience. In: Proceedings of the 2003 National Association for Public Health Statistics and Information Systems and the Vital Statistics Cooperative Program project directors joint meeting; June 10, 2003.
55. Martin JA, Ventura SJ. Braving the new world: Challenges and rewards of the revised birth data. Presented at annual meeting of the National Association for Public Health Statistics and Information Systems. San Diego, CA. June 8, 2006.
56. U.S. Department of Health and Human Services. The Health Consequences of Smoking: A Report of the Surgeon General. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2004. Available from: [http://www.cdc.gov/tobacco/sgr/sgr\\_2004/chapters.htm](http://www.cdc.gov/tobacco/sgr/sgr_2004/chapters.htm) (accessed June 12, 2006).
57. Miller DP, Villa KF, Hogue SL, Sivapathasundaram D. Birth and first-year costs for mothers and infants attributable to smoking. Nicotine Tob Res 3(1):25–35. 2001.
58. 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.
59. 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.
60. American Academy of Pediatrics and American College of Obstetricians and Gynecologists. Guidelines for prenatal care (4th ed). 1997.
61. Fiscella K. Does prenatal care improve birth outcomes? A critical review. Obstet Gynecol. 85(3):468–79. 1995.
62. Alexander GR, Kotchuck M. Assessing the role and effectiveness of prenatal care: History, challenges, and directions for future research. Public Health Rep 116:306–16. 2001.
63. U.S. Public Health Service. Caring for our future: The content of prenatal care. Washington: U.S. Department of Health and Human Services. 1989.
64. CDC. Recommendations to improve preconception health and health care—United States. A report of the CDC/ATSDR Preconception care work group and the select panel on preconception care. MMWR 55(RR-6):1–23. 2006.

65. Howell EM. The impact of Medicaid expansions for pregnant women: A synthesis of the evidence. *Med Care Res Rev* 58(1):3–30. 2001.
66. Alexander GR, Kogan MD, Nabukara S. Racial differences in prenatal care use in the United States: Are they decreasing? *Am J Public Health* 92(12):1970–75. 2002.
67. 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.
68. Kogan MD, Martin JA, Alexander GR, 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.
69. Glantz JC. Labor induction rate variation in upstate New York: What is the difference? *Birth* 30 (3):168–74. 2003.
70. Luthy DA, Malmgren JA, Zingheim RW. Cesarean delivery after elective induction in nulliparous women: The physician effect. *Am J Obstet Gynecol* 191:1511–5. 2004.
71. Main EK, Moore DM, Farrell B, et al. Is there a useful cesarean birth measure? Assessment of the nulliparous term vertex singleton birth rate as a tool for obstetric quality improvement. *Am J Obstet Gynecol* 194(6):1644–51. 2006.
72. Smith GM. What are the realistic expectations of tocolytics? *BJOG* 110 (Suppl 20):103–6. 2003.
73. Walker DS, Brooks-Schumunk S, Summers L. Do birth certificate data accurately reflect the number of CNM-attended births? An exploratory study. *J Midwifery Womens Health* 49(5):443–8. 2004.
74. Kozak LJ, Lees KA, DeFrances CJ. National Hospital Discharge Survey. 2003 annual summary with detailed diagnosis and procedure data. National Center for Health Statistics. *Vital Health Stat* 13(180). 2006.
75. Kozak LJ. Unpublished data from the National Hospital Discharge Survey. National Center for Health Statistics. 2006.
76. 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.
77. Minkoff H, Powderly KR, Chervenak F, McCullough LB. Ethical dimensions of elective primary cesarean delivery. *Obstet Gynecol* 103(2): 387–92. 2004.
78. Hale RW, Harer WB. Elective prophylactic cesarean delivery. Editorial. *ACOG Clinical Review* 10(2):1 and 15. 2005.
79. National Institutes of Health, State-of-the-science-conference statement. Cesarean delivery on maternal request. March 27–29, 2006. *Obstet Gynecol* 107(6):1386–97. 2006.
80. U.S. Department of Health and Human Services. Tracking Healthy People 2010. Washington: U.S. Government Printing Office. B16–20. November 2000.
81. Menacker F. Trends in cesarean rates for first births and repeat cesarean rates for low-risk women: United States, 1990–2003. National vital statistics reports; vol 54 no 4. Hyattsville MD: National Center for Health Statistics. 2005.
82. Declercq E, Menacker F, MacDorman MF. Rise in “no indicated risk” primary cesareans in the United States, 1991–2001. *BMJ* 330:71–2. 2005.
83. Zinberg S. Vaginal delivery after previous cesarean delivery: A continuing controversy. *Clin Obstet and Gynecol* 44(3):561–9. 2001.
84. Declercq E, Menacker F, MacDorman MF. Maternal risk profiles and the primary cesarean rate in the United States, 1991–2002. *Am J Public Health* 96(5):867–2. 2006.
85. McMahon MJ, Luther ER, Bowes WA, Olshan AF. Comparison of a trial of labor with an elective second cesarean section. *N Engl J Med* 335:689–95. 1996.
86. 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. 209–977-0018). AHRQ Publication No. 03-E018, Rockville, MD: Agency for Healthcare Research and Quality. March 2003.
87. American College of Obstetricians and Gynecologists. Practice bulletin: Vaginal birth after previous cesarean delivery. *Obstet Gynecol* 104:203–11. 2004.
88. 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.
89. CDC. Rates of cesarean delivery among Puerto Rican women—Puerto Rico and the U.S. Mainland, 1992–2002. *MMWR*. 55:68–71. 2006.
90. Mathews TJ, MacDorman MF. Infant mortality statistics from the 2003 period linked birth/infant death data set. National vital statistics reports; vol 54 no16. Hyattsville, MD: National Center for Health Statistics. 2006.
91. Goldenberg RL, Rouse DJ. Prevention of premature birth. *N Engl J Med* 339(5):313–20. 1998.
92. 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.
93. Management of preterm labor. ACOG Practice Bulletin No. 43. American College of Obstetricians and Gynecologists. *Obstet Gynecol* 101(5):1039–47. 2003.
94. Alexander GR, Tompkins ME, Petersen DJ, et al. Discordance between LMP-based and clinically estimated gestational age: implications for research, programs, and policy. *Public Health Rep* 110(4):395–402. 1995.
95. Zhang J, Bowes WA Jr. Birth-weight-for-gestational-age patterns by race, sex, and parity in the United States population. *Obstet Gynecol* 86(2):200–8. 1995.
96. Vahrtian A, Buekens P, Bennett TA, et al. Preterm delivery rates in North Carolina: Are they really declining among non-Hispanic African Americans? *Am J Epidemiol* 159(1):59–63. 2004.
97. Wang ML, Dorer DJ, Fleming MP, Catlin EA. Clinical outcomes of near-term infants. *Pediatrics* 114(2):372–6. 2006.
98. Kramer MS, Demisse K, Yang H, et al. The contribution of mild and moderate preterm birth to infant mortality. *JAMA* 284(7):843–9. 2000.
99. MacDorman MF, Mathews TJ, Martin JA, Malloy MH. Trends and characteristics of induced labour in the United States, 1989–98. *Paediatr Perinat Epidemiol* 16:263–73. 2002.
100. Zhang J, Yancey MK, Henderson CE. U.S. national trends in labor induction, 1989–98. *J Reprod Med* 47(2):120–4. 2002.
101. Redman ME, Gonik B. Cesarean delivery rates at the threshold of viability. *Am J Obstet Gynecol* 187(4):873–6. 2002.
102. Davidoff MJ, Dias T, Damus K, et al. Change in the gestational age distribution among U.S. singleton births: Impact on rates of late preterm birth, 1992 to 2002. *Semin Perinatol* 30(1):8–15. 2006.
103. Ananth CV, Joseph KS, Oyelese Y, et al. Trends in preterm birth and perinatal mortality among singletons: United States, 1989 through 2000. *Obstet Gynecol* 105(5 Pt 1):1084–91. 2005.
104. Langhoff-Roos J, Kesmodel U, Jacobsson B, et al. Spontaneous preterm delivery in primiparous women at low risk in Denmark: population-based study. *BMJ* 332(7547):937–9. 2006.
105. Hack M, Klein NK, Taylor HG. Long-term developmental outcomes of low birthweight infants. In: The future of children: Low birthweight. Vol 5(1):19–34. Los Altos, CA: Center for the Future of Children, the David and Lucile Packard Foundation. 1995.
106. Wilson-Costello D, Friedman H, Minich N, et al. Improved survival rates with increased neurodevelopmental disability for extremely low birth-weight infants in the 1990s. *Pediatrics* 115(4):997–1003. 2005.

107. Fanaroff AA, Hack M, Walsh MC. The NICHD neonatal research network: changes in practice and outcomes during the first 15 years. *Semin Perinatol* 27(4):281–7. 2003.
108. 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.
109. Yang Q, Greenland S, Flanders D. Associations of maternal age- and parity-related factors with trends in low birthweight rates: United States, 1989 through 2000. *Am J Public Health* 96(5):856–61. 2006.
110. Schieve LA, Rasmussen SA, Buck GM, et al. Are children born after assisted reproductive technology at increased risk for adverse health outcomes? *Obstet Gynecol* 103:1154–63. 2004.
111. Helmerhorst FM, Perquin DAM, Donker D, Keirse JNC. Perinatal outcome of singletons and twins after assisted conception: A systematic review of controlled studies. *BMJ* 328:1–5. 2004.
112. Apgar V. A proposal for a new method of evaluation of the newborn infant. *Anesth Analg* 32(4):260–7. July–Aug. 1953.
113. American Academy of Pediatrics, Committee on Fetus and Newborn, and American College of Obstetricians and Gynecologists, Committee on Obstetric Practice. The Apgar score. Policy statement. *Pediatrics* 117(4):1444–7. 2006.
114. Hegyi T, Carone T, Anwar M, et al. The Apgar score and its components in the preterm infant. *Pediatrics* 101:77–81. 1998.
115. Thorngren-Jerneck K, Herbst A. Low 5-minute Apgar score: A population-based register study of 1 million term births. *Obstet Gynecol* 98(1):65–70. 2001.
116. Stoll BJ, Kliegman R. The fetus and neonatal newborn In: Behrman RE, Kliegman RM, Jenson HB, eds. *Nelson textbook of pediatrics* (16th ed). Philadelphia, PA: W.B. Saunders Company. 2000.
117. Mathews TJ. Trends in spina bifida and anencephalus in the United States, 1991–2003. National Center for Health Statistics, Health E-Stats. 2006. Available from: [http://www.cdc.gov/nchs/products/pubs/pubd/hestats/spine\\_anen.htm](http://www.cdc.gov/nchs/products/pubs/pubd/hestats/spine_anen.htm).
118. CDC. Folate status in women of childbearing age—United States, 1999. *MMWR* 49(42):962–5. 2000.
119. Ray JG, Wyatt PR, Vermeulen M, Meier C, Cole DE. Greater maternal weight and the ongoing risk of neural tube defects after folic acid flour fortification. *Obstet Gynecol* 105(2651):261–5. 2005.
120. 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.
121. Honein JA, Paulozzi LJ, Watkins ML. Maternal smoking and birth defects: Validity of birth data for effect estimation. *Public Health Rep* 116:327–35. 2001.
122. Wyszkinski D, 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.
123. 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.
124. Reehuis J, Honein MA. Maternal age and non-chromosomal birth defects, Atlanta—1968–2000. Teenager or thirty-something, who is at risk? *Birth Defects Res (Part A)* 70:572–9. 2004.
125. Martin JA, Park MM. Trends in twin and triplet births: 1980–97. National vital statistics reports; vol 47 no 24. Hyattsville, MD: National Center for Health Statistics. 1999.
126. Simmons R, Doyle P, Naconochie N. Dramatic reduction in triplet and higher-order births in England and Wales. *BJOG* 111:856–8. 2004.
127. Kiely JL, Kleinman JC, Kiely M. Triplets and other higher-order multiple births: time trends and infant mortality. *AJDC* 146:862–8. 1992.
128. 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.
129. CDC. 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.
130. Reynolds MA, Schieve LA. Trends in embryo transfer practices and multiple gestation for IVF procedures in the USA, 1996–2002. *Human Reprod* 21(3):694–700. 2006.
131. Wright VC, Schieve LA, Reynolds MA, Jeng G. Assisted Reproductive technology surveillance in the United States, 2002. *Surveillance Summaries*. *MMWR* 54(SS02):1–24. 2005.
132. American Society for Reproductive Medicine. Guidelines on number of embryos transferred. A Practice Committee Report—A Committee Opinion (Revised). American Society for Reproductive Medicine. 1999.
133. American Society for Reproductive Medicine. Guidelines on number of embryos transferred. A Practice Committee Report—A Committee Opinion. American Society for Reproductive Medicine. 2004.
134. Jain T, Missmer SA, Hornstein MD. Trends in embryo-transfer practice and in outcomes of the use of assisted reproductive technology in the United States. *N Engl J Med* 350:1639–45. 2004.
135. Templeton A, Morris JK. Reducing the risk of multiple births by transfer of two embryos after in vitro fertilization. *N Engl J Med* 339(9):573–7. 1998.
136. Reynolds MA, Schieve LA, Jeng G, Peterson HB. Does insurance coverage decrease the risk for multiple births associated with assisted reproductive technology? *Fertil Steril* 80(1):16–23. 2003.
137. Mathews TJ, Ventura SJ, Curtin SC, Martin JA. Births of Hispanic origin, 1989–95. Monthly vital statistics report; vol 46 no 6 supp. Hyattsville, MD: National Center for Health Statistics. 1998.
138. National Center for Health Statistics. Technical Appendix. Vital statistics of the United States, 2004, vol I natality. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics. Hyattsville, MD: (forthcoming).
139. Ventura SJ. Births to unmarried mothers: United States, 1980–92. National Center for Health Statistics. *Vital Health Stat* 21(53). 1995.
140. National Center for Health Statistics. Computer edits for natality data, effective 1993. Instruction manual, part 12. Hyattsville, MD: National Center for Health Statistics. 1995.
141. Alexander GR, Allen MC. Conceptualization, measurement, and use of gestational age. I. Clinical and Public Health Practice. *J Perinatol* 16(1):53–9. 1996.
142. 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.
143. U.S. Census Bureau. Census 2000 modified race data summary file. 2002. Available from: <http://www.census.gov/popest/archives/files/MR-CO.txt>. 2002.
144. U.S. Census Bureau. Population estimates for 2004 based on unpublished tabulations prepared by the Housing and Household Economics Statistics Division. 2005.
145. U.S. Census Bureau. Source and accuracy of the data for the March 2001 current population survey microdata file. 2001. Available from: <http://www.bls.census.gov/cps/ads/2001/ssracc.htm>.
146. O'Connell M. Personal communication. Washington: U.S. Census Bureau. July 14, 2003.
147. Bailer JC, Ederer F. Significance factors for the ratio of a Poisson variable to its expectations. *Biometrics*. 20:639–43. 1964.
148. Schenker N, Gentleman JF. On judging the significance of differences by examining the overlap between confidence intervals. *Amer Stat* 55:182–6. 2001.

149. National Center for Health Statistics. Guide to completing the facility worksheets for the certificate of live birth and report of fetal death (revised 2006). Available from: <http://www.cdc.gov/nchs/data/dvs/GuidetoCompleteFacilityWks.pdf>.
150. Sutton PD, Mathews TJ. Birth and fertility rates by Hispanic origin subgroups: United States, 1990 and 2000. National Center for Health Statistics. Vital Health Stat 21(57). 2006.
151. 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.
152. 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, MD: National Center for Health Statistics. 2001.
153. 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, MD: National Center for Health Statistics. 1999.
154. Mathews TJ. Smoking during pregnancy during the 1990s. National vital statistics reports; vol 49 no 7. Hyattsville, MD: National Center for Health Statistics. 2001.
155. MacDorman MF, Martin JA, Mathews TJ, et al. Explaining the 2001–02 infant mortality increase: Data from the linked birth/infant death data set. National vital statistics reports; vol 53 no 12. Hyattsville, MD: National Center for Health Statistics. 2005.
156. Kochanek KD, Martin JA. Supplemental analyses of recent trends in infant mortality. National Center for Health Statistics. Health E Stats. 2004. Available from: <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/infantmort/infantmort.htm>.
157. Hamilton BE. Reproduction rates for 1990–2002 and intrinsic rates for 2000–2001: United States. National vital statistics reports; vol 52 no 17. Hyattsville, MD: National Center for Health Statistics. 2004.
11. 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, 2004 ..... 52
12. Live births by race of mother: United States, each state and territory, 2004 ..... 53
13. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each state and territory, 2004 ..... 54
14. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by race of mother: United States, 2004 ..... 55
15. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2004 ..... 55
16. Live births and observed and seasonally adjusted birth and fertility rates, by month: United States, 2004 ..... 56
17. Live births by day of week and index of occurrence by method of delivery: United States, 2004 ..... 56
18. Number, birth rate, and percentage of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2004 ..... 57
19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004 ..... 58
20. Number and percentage of births to unmarried women, by race and Hispanic origin of mother: United States, each state and territory, 2004 ..... 61
21. Birth rates by age and race of father: United States, 1980–2004 ..... 62
22. Number of live births and percent distribution, by weight gain of mother during pregnancy, according to period of gestation, race, and Hispanic origin of mother: Total of 49 reporting states and the District of Columbia, 2004 ..... 64
23. Percentage of births with selected medical or health characteristics, by race of mother: United States, 2004 ..... 65
24. Percentage of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2004 ..... 65
25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2004 ..... 66
26. (a). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004 ..... 68
26. (b). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: 41 states, New York City, and the District of Columbia, 2004 ..... 69
27. Number of live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2004 ..... 70
28. 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, 1989–2004 ..... 71
29. 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, 2004 ..... 73
30. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2004 ..... 74

## List of Detailed Tables

1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2004.....	35
2. Live births by age of mother, live-birth order, and race of mother: United States, 2004 .....	36
3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 2004 .....	37
4. Total fertility rates and birth rates by age of mother: United States, 1970–2004, and by age and race of mother: United States, 1980–2004 .....	38
5. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2004 .....	41
6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004 .....	42
7. 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, 2004 .....	44
8. 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, 1989–2004 .....	46
9. Fertility rates and birth rates by live-birth order and race and Hispanic origin of mother: United States, 1980–2004 .....	49
10. Mean age of mother, by live-birth order and race and Hispanic origin of mother: United States, 1980–2004 .....	51

31. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2004 . . . . .	76
32. Percentage of live births very preterm and preterm and percentage of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981–2004 . . . . .	78
33. Number and percentage of births delivered preterm, by race and Hispanic origin of mother: United States, each state and territory, 2004 . . . . .	79
34. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2004 . . . . .	80
35. Number and percentage of births of low birthweight, by race and Hispanic origin of mother: United States, each state and territory, 2004 . . . . .	82
36. Number and percentage of births of very low birthweight, by race and Hispanic origin of mother: United States, each state and territory, 2004 . . . . .	83
37. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2004 . . . . .	84
38. Numbers and rates of twin and triplet and higher order multiple births by race and Hispanic origin of mother, United States: 1980–2004 . . . . .	85
39. Twin and triplet and higher order multiple birth rates by state: United States and each state, 2002–2004 . . . . .	87

# Guide to Tables in Births: Final Data for 2004

TABLE:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	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
Years: Current year only			2	3			7				11	12	13								20	
	Trend	1			4	5	6		8	9	10									19	21	
Type of entry: Number of births	1	2			5	6					11	12	13	14	15	16	17	18		20		
	Rates or other measures	1		3	4	5		7	8	9	10	11			14	15	16	17	18	19	20	21
Characteristics:																						
Abnormal conditions of the newborn																						
Age of father																					21	
Age of mother		2	3	4		6	7	8		10								18	19			
Attended at birth																						
Birthweight																						
Complications of labor and/or delivery																						
Congenital anomalies																						
Day of week																			17			
Gestational age																						
Hispanic origin of mother																						
Live-birth order		2	3			6	7		9	10												
Method of delivery																				17		
Month of birth																				16		
Multiple births																						
Obstetric procedures																						
Place of delivery																						
Prenatal care																					721	
Race of father																						
Race of mother																					721	
Risk factors in this pregnancy																						
Sex of child																			14	15		
Teenage mothers																			14	15		
Unmarried mothers																				18	19	20
Weight gain during pregnancy																						

TABLE:	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Geographic area: States <sup>1</sup> . . . . .					26				30			33		35	36			39
United States or all reporting areas . . . . .	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Years: Current year only . . . . .	22	23	24	25	26	27		29	30	31		33	34	35	36	37		39
Trend . . . . .							28				32						38	
Type of entry: Number of births. . . . .	22			25		27	28	29		31		33	34	35	36	37	38	39
Rates or other measures . . . . .	22	23	24	25	26		28	29	30	31	32	33	34	35	36	37	38	39
Characteristics:																		
Abnormal conditions of newborn . . . . .																		
Age of father . . . . .																		
Age of mother . . . . .				25				29					34			37		
Attendant at birth . . . . .		23	24			27												
Birthweight . . . . .												31	32		34	35	36	
Complications of labor and/or delivery . . . . .				25														
Congenital anomalies. . . . .				25														
Day of week . . . . .				25														
Gestational age . . . . .	22	23	24								31	32	33					
Hispanic origin of mother . . . . .	422		<sup>3</sup> 24	<sup>4</sup> 25	<sup>4</sup> 26	<sup>4</sup> 27	<sup>4</sup> 28	<sup>4</sup> 29	<sup>4</sup> 30	<sup>4</sup> 31	<sup>4</sup> 32	<sup>4</sup> 33	<sup>4</sup> 34	<sup>4</sup> 35	<sup>4</sup> 36	<sup>4</sup> 37	<sup>4</sup> 38	
Live-birth order. . . . .																		
Method of delivery. . . . .		23	24				28	29	30									
Month of birth . . . . .																		
Multiple births . . . . .		23	24													37	38	39
Obstetric procedures . . . . .				25														
Place of delivery. . . . .						27												
Prenatal care. . . . .					26													
Race of father . . . . .																		
Race of mother . . . . .	<sup>4</sup> 22	<sup>2</sup> 23	<sup>3</sup> 24	<sup>4</sup> 25	<sup>4</sup> 26	<sup>4</sup> 27	<sup>4</sup> 28	<sup>4</sup> 29	<sup>4</sup> 30	<sup>4</sup> 31	<sup>4</sup> 32	<sup>4</sup> 33	<sup>4</sup> 34	<sup>4</sup> 35	<sup>4</sup> 36	<sup>4</sup> 37	<sup>4</sup> 38	
Risk factors in this pregnancy. . . . .			23	24	25													
Sex of child. . . . .																		
Teenage mothers . . . . .																		
Unmarried mothers . . . . .																		
Weight gain during pregnancy . . . . .	22	23	24															

<sup>1</sup>Includes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.<sup>2</sup>Includes white, black, American Indian or Alaska Native, and Asian or Pacific Islander.<sup>3</sup>Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black.<sup>4</sup>Includes non-Hispanic white, non-Hispanic black, and Hispanic.<sup>5</sup>Includes white, non-Hispanic white, black, non-Hispanic black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.<sup>6</sup>Includes white, non-Hispanic white, black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.<sup>7</sup>Includes white and black.

**Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2004**

[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:															
2004 .....	4,112,052	3,222,928	616,074	43,927	229,123	14.0	13.5	16.0	14.0	16.8	66.3	66.1	67.6	58.9	67.1
2003 .....	4,089,950	3,225,848	599,847	43,052	221,203	14.1	13.6	15.7	13.8	16.8	66.1	66.1	66.3	58.4	66.3
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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 2004**

[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												
			Total	15 years	16 years	17 years	18 years	19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
All races . . . . .	4,112,052	6,781	415,262	18,274	41,860	73,846	117,237	164,045	1,034,454	1,104,485	965,663	475,606	103,679	5,748	374
1st child. . . . .	1,630,921	6,636	330,147	17,491	38,561	63,783	93,131	117,181	483,752	395,784	279,884	110,418	22,721	1,472	107
2d child. . . . .	1,319,426	109	70,467	668	2,888	8,781	20,514	37,616	350,561	370,470	341,556	155,638	29,157	1,370	98
3d child. . . . .	693,932	5	11,025	20	167	792	2,693	7,353	141,967	208,136	200,118	109,881	21,751	983	66
4th child. . . . .	273,589	—	1,320	6	15	62	269	968	40,870	82,484	83,206	52,306	12,720	642	41
5th child. . . . .	99,744	—	157	1	2	7	24	123	9,943	28,051	32,151	22,276	6,774	371	21
6th child. . . . .	39,736	—	20	—	—	1	4	15	2,200	9,640	13,373	10,494	3,753	247	9
7th child. . . . .	17,856	—	5	—	1	—	1	3	483	3,426	6,164	5,440	2,163	166	9
8th child and over. . . . .	18,215	—	3	—	—	—	—	3	218	1,732	4,962	6,824	4,007	453	16
Not stated . . . . .	18,633	31	2,118	88	226	420	601	783	4,460	4,762	4,249	2,329	633	44	7
White . . . . .	3,222,928	3,725	297,133	11,605	28,347	52,179	84,604	120,398	788,264	880,870	780,368	384,917	82,737	4,611	303
1st child. . . . .	1,276,937	3,661	239,233	11,128	26,301	45,583	68,274	87,947	378,723	321,275	224,857	89,416	18,483	1,203	86
2d child. . . . .	1,050,100	49	48,741	403	1,813	5,806	14,116	26,603	270,714	301,900	278,351	126,045	23,103	1,109	88
3d child. . . . .	549,427	3	6,983	11	93	488	1,666	4,725	102,280	165,579	165,952	90,513	17,274	789	54
4th child. . . . .	209,194	—	769	5	8	40	159	557	26,356	61,591	67,104	42,648	10,187	504	35
5th child. . . . .	72,319	—	96	—	2	5	14	75	5,690	18,813	24,407	17,664	5,352	281	16
6th child. . . . .	27,390	—	11	—	—	—	3	8	1,108	5,675	9,524	7,912	2,969	185	6
7th child. . . . .	11,972	—	2	—	—	—	1	1	239	1,772	4,097	4,021	1,703	132	6
8th child and over. . . . .	12,384	—	1	—	—	—	—	1	132	851	2,927	4,904	3,189	372	8
Not stated . . . . .	13,205	12	1,297	58	130	257	371	481	3,022	3,414	3,149	1,794	477	36	4
Black . . . . .	616,074	2,827	102,793	6,038	11,847	18,970	28,354	37,584	200,398	147,858	99,083	50,043	12,396	641	35
1st child. . . . .	233,026	2,755	78,831	5,763	10,739	15,924	21,512	24,893	81,193	36,776	21,540	9,626	2,170	126	9
2d child. . . . .	177,850	56	19,069	235	956	2,611	5,623	9,644	66,012	45,695	29,945	13,875	3,074	120	4
3d child. . . . .	108,509	1	3,599	9	65	272	910	2,343	34,216	33,804	22,573	11,488	2,703	119	6
4th child. . . . .	51,113	—	507	1	7	19	99	381	12,757	17,358	11,926	6,737	1,731	92	5
5th child. . . . .	22,117	—	56	1	—	2	9	44	3,778	7,730	6,006	3,419	1,064	60	4
6th child. . . . .	10,077	—	9	—	—	1	1	7	978	3,378	3,067	1,995	602	47	1
7th child. . . . .	4,769	—	3	—	1	—	—	2	220	1,426	1,675	1,085	335	25	—
8th child and over. . . . .	4,622	—	1	—	—	—	—	1	78	766	1,634	1,478	617	45	3
Not stated . . . . .	3,991	15	718	29	79	141	200	269	1,166	925	717	340	100	7	3
American Indian <sup>1</sup> . . . . .	43,927	139	7,704	368	902	1,396	2,153	2,885	15,130	10,717	6,488	2,994	731	21	3
1st child. . . . .	15,270	132	5,911	349	818	1,162	1,653	1,929	5,692	2,140	947	377	67	3	1
2d child. . . . .	12,036	3	1,482	19	75	208	417	763	5,282	3,030	1,543	567	127	1	1
3d child. . . . .	7,849	1	241	—	4	18	62	157	2,778	2,665	1,434	602	124	4	—
4th child. . . . .	4,287	—	24	—	—	1	8	15	965	1,563	1,106	500	126	3	—
5th child. . . . .	2,204	—	3	—	—	—	1	2	269	771	696	373	90	2	—
6th child. . . . .	1,018	—	—	—	—	—	—	—	58	310	365	216	68	1	—
7th child. . . . .	516	—	—	—	—	—	—	—	8	111	186	162	46	3	—
8th child and over. . . . .	475	—	—	—	—	—	—	—	3	60	162	172	73	4	1
Not stated . . . . .	272	3	43	—	5	7	12	19	75	67	49	25	10	—	—
Asian or Pacific Islander . . . . .	229,123	90	7,632	263	764	1,301	2,126	3,178	30,662	65,040	79,724	37,652	7,815	475	33
1st child. . . . .	105,688	88	6,172	251	703	1,114	1,692	2,412	18,144	35,593	32,540	10,999	2,001	140	11
2d child. . . . .	79,440	1	1,175	11	44	156	358	606	8,553	19,845	31,717	15,151	2,853	140	5
3d child. . . . .	28,147	—	202	—	5	14	55	128	2,693	6,088	10,159	7,278	1,650	71	6
4th child. . . . .	8,995	—	20	—	—	2	3	15	792	1,972	3,070	2,421	676	43	1
5th child. . . . .	3,104	—	2	—	—	—	—	2	206	737	1,042	820	268	28	1
6th child. . . . .	1,251	—	—	—	—	—	—	—	56	277	417	371	114	14	2
7th child. . . . .	599	—	—	—	—	—	—	—	16	117	206	172	79	6	3
8th child and over. . . . .	734	—	1	—	—	—	—	1	5	55	239	270	128	32	4
Not stated . . . . .	1,165	1	60	1	12	15	18	14	197	356	334	170	46	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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." 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, 2004**

[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										
			15–19 years								
	15–44 years	10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
All races . . . . .	66.3	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
1st child . . . . .	26.4	0.6	32.9	19.8	52.6	47.8	41.6	27.8	10.6	2.0	0.1
2d child . . . . .	21.4	0.0	7.0	2.0	14.5	34.6	38.9	33.9	14.9	2.5	0.1
3d child . . . . .	11.2	*	1.1	0.2	2.5	14.0	21.9	19.8	10.5	1.9	0.1
4th child . . . . .	4.4	*	0.1	0.0	0.3	4.0	8.7	8.3	5.0	1.1	0.1
5th child . . . . .	1.6	*	0.0	*	0.0	1.0	2.9	3.2	2.1	0.6	0.0
6th and 7th child . . . . .	0.9	*	0.0	*	0.0	0.3	1.4	1.9	1.5	0.5	0.0
8th child and over . . . . .	0.3	*	*	*	*	0.0	0.2	0.5	0.7	0.3	0.0
White . . . . .	66.1	0.5	37.7	19.5	65.0	99.2	118.6	99.1	46.4	8.9	0.5
1st child . . . . .	26.3	0.5	30.5	17.6	49.8	47.8	43.4	28.7	10.8	2.0	0.1
2d child . . . . .	21.6	0.0	6.2	1.7	13.0	34.2	40.8	35.5	15.3	2.5	0.1
3d child . . . . .	11.3	*	0.9	0.1	2.0	12.9	22.4	21.2	11.0	1.9	0.1
4th child . . . . .	4.3	*	0.1	0.0	0.2	3.3	8.3	8.6	5.2	1.1	0.1
5th child . . . . .	1.5	*	0.0	*	0.0	0.7	2.5	3.1	2.1	0.6	0.0
6th and 7th child . . . . .	0.8	*	*	*	*	0.2	1.0	1.7	1.4	0.5	0.0
8th child and over . . . . .	0.3	*	*	*	*	0.0	0.1	0.4	0.6	0.3	0.0
Black . . . . .	67.6	1.6	63.3	37.2	104.4	127.7	103.6	67.9	34.0	7.9	0.5
1st child . . . . .	25.7	1.6	48.9	32.9	74.0	52.0	25.9	14.9	6.6	1.4	0.1
2d child . . . . .	19.6	0.0	11.8	3.9	24.3	42.3	32.2	20.7	9.5	2.0	0.1
3d child . . . . .	12.0	*	2.2	0.4	5.2	21.9	23.8	15.6	7.9	1.7	0.1
4th child . . . . .	5.6	*	0.3	0.0	0.8	8.2	12.2	8.2	4.6	1.1	0.1
5th child . . . . .	2.4	*	0.0	*	0.1	2.4	5.4	4.1	2.3	0.7	0.0
6th and 7th child . . . . .	1.6	*	*	*	*	0.8	3.4	3.3	2.1	0.6	0.1
8th child and over . . . . .	0.5	*	*	*	*	0.0	0.5	1.1	1.0	0.4	0.0
American Indian <sup>2</sup> . . . . .	58.9	0.9	52.5	30.0	87.0	109.7	92.8	58.0	26.8	6.0	0.2
1st child . . . . .	20.6	0.9	40.5	26.4	62.2	41.5	18.6	8.5	3.4	0.6	*
2d child . . . . .	16.3	*	10.2	3.4	20.5	38.5	26.4	13.9	5.1	1.1	*
3d child . . . . .	10.6	*	1.6	0.2	3.8	20.2	23.2	12.9	5.4	1.0	*
4th child . . . . .	5.8	*	0.2	*	0.4	7.0	13.6	10.0	4.5	1.1	*
5th child . . . . .	3.0	*	*	*	*	2.0	6.7	6.3	3.4	0.7	*
6th and 7th child . . . . .	2.1	*	*	*	*	0.5	3.7	5.0	3.4	1.0	*
8th child and over . . . . .	0.6	*	*	*	*	*	0.5	1.5	1.5	0.6	*
Asian or Pacific Islander . . . . .	67.1	0.2	17.3	8.9	29.6	59.8	108.6	116.9	62.1	13.6	1.0
1st child . . . . .	31.1	0.2	14.1	8.0	23.1	35.6	59.8	47.9	18.2	3.5	0.3
2d child . . . . .	23.4	*	2.7	0.8	5.4	16.8	33.3	46.7	25.1	5.0	0.3
3d child . . . . .	8.3	*	0.5	*	1.0	5.3	10.2	15.0	12.0	2.9	0.1
4th child . . . . .	2.6	*	0.0	*	*	1.6	3.3	4.5	4.0	1.2	0.1
5th child . . . . .	0.9	*	*	*	*	0.4	1.2	1.5	1.4	0.5	0.1
6th and 7th child . . . . .	0.5	*	*	*	*	0.1	0.7	0.9	0.9	0.3	0.0
8th child and over . . . . .	0.2	*	*	*	*	*	0.1	0.4	0.4	0.2	0.1

0.0 Quantity more than zero but less than 0.05.

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

<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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." 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, 1970–2004, and by age and race of mother: United States, 1980–2004**

[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 census years and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		15–19 years									
		10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
All races <sup>2</sup>											
2004	2,045.5	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
2003	2,042.5	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7	0.5
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											
2004	2,054.5	0.5	37.7	19.5	65.0	99.2	118.6	99.1	46.4	8.9	0.5
2003	2,061.0	0.5	38.3	19.8	66.2	100.6	119.5	99.3	44.8	8.7	0.5
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	24.4	73.0	105.0	114.9	90.7	38.5	7.4	0.4
1998	1,991.0	0.6	44.9	25.6	74.1	105.4	113.6	88.5	37.5	7.3	0.4
1997	1,955.0	0.7	45.5	26.6	75.0	104.5	111.3	85.7	36.1	6.9	0.3
1996	1,960.5	0.7	47.5	28.0	77.6	105.3	111.7	84.6	35.3	6.7	0.3
1995	1,954.5	0.8	49.5	29.6	80.2	104.7	111.7	83.3	34.2	6.4	0.3
1994	1,957.5	0.8	50.5	30.4	81.2	105.0	113.0	82.2	33.5	6.2	0.3
1993	1,961.5	0.8	50.6	30.0	81.5	106.1	114.7	81.3	32.6	5.9	0.3
1992	1,978.0	0.8	51.4	29.9	83.2	107.7	116.9	80.8	32.1	5.7	0.2
1991	1,988.0	0.8	52.6	30.5	83.3	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, 1970–2004, and by age and race of mother: United States, 1980–2004—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 census years and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		15–19 years									
		10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
Black											
2004	2,032.5	1.6	63.3	37.2	104.4	127.7	103.6	67.9	34.0	7.9	0.5
2003	1,999.0	1.6	63.8	38.2	103.7	126.1	100.4	66.5	33.2	7.7	0.5
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	50.5	120.6	137.9	97.3	62.7	30.2	6.5	0.3
1998	2,111.5	2.8	83.5	55.4	124.8	138.4	97.5	63.2	30.0	6.6	0.3
1997	2,091.5	3.1	86.3	59.3	127.7	135.2	95.0	62.6	29.3	6.5	0.3
1996	2,088.5	3.5	89.6	63.3	130.5	133.2	94.3	62.0	28.7	6.1	0.3
1995	2,127.5	4.1	94.4	68.5	135.0	133.7	95.6	63.0	28.4	6.0	0.3
1994	2,258.5	4.5	102.9	75.1	146.2	142.9	101.5	65.0	28.7	5.9	0.3
1993	2,351.0	4.5	107.3	78.9	150.2	150.2	106.4	66.6	29.0	5.9	0.3
1992	2,416.0	4.6	111.3	80.5	156.3	156.2	109.7	67.0	28.6	5.6	0.2
1991	2,462.0	4.7	114.8	83.5	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
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>											
2004	1734.5	0.9	52.5	30.0	87.0	109.7	92.8	58.0	26.8	6.0	0.2
2003	1731.5	1.0	53.1	30.6	87.3	110.0	93.5	57.4	25.4	5.5	0.4
2002	1735.0	0.9	53.8	30.7	89.2	112.6	91.8	56.4	25.4	5.8	0.3
2001	1746.5	1.0	56.3	31.4	94.8	115.0	90.4	55.9	24.7	5.7	0.3
2000	1772.5	1.1	58.3	34.1	97.1	117.2	91.8	55.5	24.6	5.7	0.3
1999	1783.5	1.4	59.9	36.5	98.0	120.7	90.6	53.8	24.3	5.7	0.3
1998	1851.0	1.5	64.7	39.7	106.9	125.1	92.0	56.8	24.6	5.3	*
1997	1834.5	1.5	65.2	41.0	107.1	122.5	91.6	56.0	24.4	5.4	0.3
1996	1855.0	1.6	68.2	42.7	113.3	123.5	91.1	56.5	24.4	5.5	*
1995	1878.5	1.6	72.9	44.6	122.2	123.1	91.6	56.5	24.3	5.5	*
1994	1950.0	1.8	76.4	48.4	123.7	126.5	98.2	56.6	24.8	5.4	0.3
1993	2048.5	1.4	79.8	51.5	126.3	134.2	103.5	59.5	25.5	5.6	*
1992	2135.5	1.6	82.4	52.3	130.5	142.3	107.0	61.0	26.7	5.9	*
1991	2142.5	1.6	84.1	51.9	134.2	143.8	105.6	60.8	26.4	5.8	0.4
1990	2184.5	1.6	81.1	48.5	129.3	148.7	110.3	61.5	27.5	5.9	*
1989	2248.5	1.5	82.7	51.6	128.9	152.4	114.2	64.8	27.4	6.4	*
1988	2155.0	1.7	77.5	49.7	121.1	145.2	110.9	64.5	25.6	5.3	*
1987	2100.5	1.7	77.2	48.8	122.2	140.0	107.9	63.0	24.4	5.6	*
1986	2083.0	1.8	78.1	48.7	125.3	138.8	107.9	60.7	23.8	5.3	*
1985	2129.5	1.7	79.2	47.7	124.1	139.1	109.6	62.6	27.4	6.0	*
1984 <sup>3</sup>	2137.5	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 <sup>3</sup>	2182.0	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 <sup>3</sup>	2215.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 <sup>3</sup>	2092.5	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 <sup>3</sup>	2165.0	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, 1970–2004, and by age and race of mother: United States, 1980–2004—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 census years and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		15–19 years									
		10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
Asian or Pacific Islander											
2004	1,897.5	0.2	17.3	8.9	29.6	59.8	108.6	116.9	62.1	13.6	1.0
2003	1,873.0	0.2	17.4	8.8	29.8	59.6	108.5	114.6	59.9	13.5	0.9
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	12.4	33.9	58.9	100.8	104.3	52.9	11.3	0.9
1998	1,731.5	0.5	22.2	13.8	34.5	59.2	98.7	101.6	51.4	11.8	0.9
1997	1,757.5	0.5	22.3	14.0	34.9	61.2	101.6	102.5	51.0	11.5	0.9
1996	1,787.0	0.6	23.5	14.7	36.8	63.5	102.8	104.1	50.2	11.9	0.8
1995	1,795.5	0.7	25.5	15.6	40.1	64.2	103.7	102.3	50.1	11.8	0.8
1994	1,834.0	0.7	26.6	16.3	41.3	66.4	108.0	102.2	50.4	11.5	1.0
1993	1,841.5	0.7	26.5	16.1	41.2	68.1	110.3	101.2	49.4	11.2	0.9
1992	1,894.5	0.7	26.5	15.4	41.9	71.7	114.6	102.7	50.7	11.1	0.9
1991	1,928.0	0.8	27.3	16.3	42.2	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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 5. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2004**

[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]

Measure and year	All origin <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										
2004 . . . . .	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683	578,772
2003 . . . . .	4,089,950	912,329	654,504	58,400	14,867	135,586	48,972	3,149,034	2,321,904	576,033
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										
2004 <sup>6</sup> . . . . .	14.0	22.9	24.9	16.1	9.3	22.2	(6)	12.5	11.6	15.8
2003 <sup>6</sup> . . . . .	14.1	22.9	24.7	15.1	9.9	23.0	(6)	12.7	11.8	15.9
2002 <sup>6</sup> . . . . .	13.9	22.6	24.2	16.5	10.0	22.4	(6)	12.6	11.7	16.1
2001 <sup>6</sup> . . . . .	14.1	23.0	24.8	17.8	10.3	21.8	(6)	12.8	11.8	16.6
2000 <sup>6</sup> . . . . .	14.4	23.1	25.0	18.1	9.7	21.8	(6)	13.2	12.2	17.3
1999 <sup>6</sup> . . . . .	14.2	22.5	24.2	18.0	9.4	21.7	(6)	13.0	12.1	17.1
1998 <sup>6</sup> . . . . .	14.3	22.7	24.6	17.9	9.7	21.7	(6)	13.2	12.2	17.5
1997 <sup>6</sup> . . . . .	14.2	23.0	25.3	17.2	10.0	21.3	(6)	13.1	12.2	17.4
1996 <sup>6</sup> . . . . .	14.4	23.8	26.2	17.2	10.6	22.5	(6)	13.3	12.3	17.6
1995 <sup>6</sup> . . . . .	14.6	24.1	25.8	19.0	10.8	24.2	(6)	13.5	12.5	18.2
1994 <sup>6</sup> . . . . .	15.0	24.7	26.1	20.8	10.7	24.9	(6)	13.9	12.8	19.5
1993 <sup>6</sup> . . . . .	15.4	25.4	26.8	21.5	10.5	26.3	(6)	14.3	13.1	20.7
1992 <sup>6,7</sup> . . . . .	15.8	26.1	27.4	22.9	10.1	27.5	(6)	14.8	13.4	21.6
1991 <sup>6,7</sup> . . . . .	16.2	26.5	27.6	23.3	9.8	28.3	(6)	15.2	13.9	22.4
1990 <sup>4,6</sup> . . . . .	16.7	26.7	28.7	21.6	10.9	27.5	(6)	15.7	14.4	23.0
1989 <sup>5,6</sup> . . . . .	16.3	26.2	25.7	23.7	10.0	28.3	(6)	15.4	14.2	22.8
Fertility rate										
2004 <sup>6</sup> . . . . .	66.3	97.8	106.8	68.4	53.2	89.3	(6)	60.5	58.4	67.0
2003 <sup>6</sup> . . . . .	66.1	96.9	105.5	61.6	61.7	91.2	(6)	60.5	58.5	67.1
2002 <sup>6</sup> . . . . .	64.8	94.4	102.8	65.4	59.0	86.1	(6)	59.6	57.4	67.4
2001 <sup>6</sup> . . . . .	65.3	96.0	105.7	72.2	56.7	82.7	(6)	60.1	57.7	69.1
2000 <sup>6</sup> . . . . .	65.9	95.9	105.1	73.5	49.3	85.1	(6)	61.1	58.5	71.4
1999 <sup>6</sup> . . . . .	64.4	93.0	101.5	71.1	47.0	84.8	(6)	60.0	57.7	69.9
1998 <sup>6</sup> . . . . .	64.3	93.2	103.2	69.7	46.5	83.5	(6)	60.0	57.6	70.9
1997 <sup>6</sup> . . . . .	63.6	94.2	106.6	65.8	53.1	80.6	(6)	59.3	56.8	70.3
1996 <sup>6</sup> . . . . .	64.1	97.5	110.7	66.5	55.1	84.2	(6)	59.6	57.1	70.7
1995 <sup>6</sup> . . . . .	64.6	98.8	109.9	71.3	52.2	89.1	(6)	60.2	57.5	72.8
1994 <sup>6</sup> . . . . .	65.9	100.7	109.9	78.2	53.6	93.2	(6)	61.6	58.2	77.5
1993 <sup>6</sup> . . . . .	67.0	103.3	110.9	79.8	53.9	101.5	(6)	62.7	58.9	81.5
1992 <sup>6,7</sup> . . . . .	68.4	106.1	113.3	87.9	49.4	104.7	(6)	64.2	60.0	84.5
1991 <sup>6,7</sup> . . . . .	69.3	106.9	114.9	87.9	47.6	105.5	(6)	65.2	60.9	87.0
1990 <sup>4,6</sup> . . . . .	71.0	107.7	118.9	82.9	52.6	102.7	(6)	67.1	62.8	89.0
1989 <sup>5,6</sup> . . . . .	69.2	104.9	106.6	86.6	49.8	95.8	(6)	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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004**

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	All ages	Under 15 years	Age of mother												
			15–19 years												
			Total	15 years	16 years	17 years	18 years	19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
Hispanic															
Total . . . . .	946,349	2,356	133,044	6,969	15,881	25,839	37,159	47,196	279,746	254,358	177,762	81,021	17,265	764	33
1st child . . . . .	338,736	2,308	102,720	6,598	14,482	21,727	28,176	31,737	119,445	65,349	33,989	12,402	2,393	121	9
2d child . . . . .	288,730	37	25,105	322	1,260	3,616	7,646	12,261	100,786	87,257	51,949	19,909	3,562	119	6
3d child . . . . .	183,929	3	4,082	8	73	335	1,052	2,614	42,682	62,645	48,972	21,560	3,849	129	7
4th child . . . . .	81,237	—	496	2	5	36	113	340	12,219	25,984	25,548	13,754	3,096	133	7
5th child . . . . .	30,600	—	67	—	1	5	9	52	2,853	8,454	10,278	7,004	1,859	82	3
6th child . . . . .	11,513	—	8	—	—	—	3	5	607	2,582	3,925	3,213	1,114	63	1
7th child . . . . .	4,726	—	2	—	—	—	1	1	144	850	1,553	1,527	611	39	—
8th child and over . . . . .	3,583	—	—	—	—	—	—	—	57	386	973	1,377	715	75	—
Not stated . . . . .	3,295	8	564	39	60	120	159	186	953	851	575	275	66	3	—
Mexican . . . . .	677,621	1,798	101,625	5,381	12,290	19,932	28,419	35,603	207,535	182,306	121,408	51,985	10,497	453	14
1st child . . . . .	232,512	1,763	77,720	5,100	11,164	16,653	21,301	23,502	85,076	41,570	18,943	6,247	1,129	61	3
2d child . . . . .	203,589	30	19,789	245	1,014	2,884	6,060	9,586	76,372	62,387	32,596	10,657	1,709	47	2
3d child . . . . .	137,421	2	3,269	8	62	279	836	2,084	32,999	48,040	36,401	14,381	2,256	69	4
4th child . . . . .	62,828	—	392	2	3	30	100	257	9,542	20,277	20,059	10,366	2,109	81	2
5th child . . . . .	23,850	—	53	—	1	1	9	42	2,276	6,564	8,084	5,438	1,377	56	2
6th child . . . . .	8,966	—	8	—	—	—	3	5	483	2,007	3,069	2,494	857	47	1
7th child . . . . .	3,675	—	1	—	—	—	—	1	112	644	1,222	1,201	463	32	—
8th child and over . . . . .	2,771	—	—	—	—	—	—	—	47	296	736	1,068	565	59	—
Not stated . . . . .	2,009	3	393	26	46	85	110	126	628	521	298	133	32	1	—
Puerto Rican . . . . .	61,221	183	10,581	543	1,378	2,043	2,900	3,717	19,552	15,235	9,917	4,728	967	55	3
1st child . . . . .	23,695	180	8,265	508	1,267	1,729	2,251	2,510	7,824	3,963	2,343	921	187	9	3
2d child . . . . .	18,962	1	1,895	33	102	274	551	935	7,075	5,062	3,258	1,409	248	14	—
3d child . . . . .	10,750	—	332	—	4	26	84	218	3,234	3,543	2,267	1,155	207	12	—
4th child . . . . .	4,535	—	38	—	1	2	5	30	1,002	1,654	1,074	615	147	5	—
5th child . . . . .	1,735	—	2	—	—	—	—	2	244	607	507	295	76	4	—
6th child . . . . .	731	—	—	—	—	—	—	—	70	224	226	165	43	3	—
7th child . . . . .	277	—	—	—	—	—	—	—	16	79	93	59	28	2	—
8th child and over . . . . .	259	—	—	—	—	—	—	—	5	40	93	88	27	6	—
Not stated . . . . .	277	2	49	2	4	12	9	22	82	63	56	21	4	—	—
Cuban . . . . .	14,943	13	1,155	53	93	197	351	461	2,758	3,875	4,341	2,243	530	28	—
1st child . . . . .	6,989	13	982	49	84	176	305	368	1,677	1,895	1,649	626	138	9	—
2d child . . . . .	5,238	—	151	4	7	19	43	78	767	1,349	1,834	949	183	5	—
3d child . . . . .	1,885	—	14	—	—	1	2	11	232	447	626	442	118	6	—
4th child . . . . .	502	—	1	—	—	—	—	1	54	113	143	140	46	5	—
5th child . . . . .	167	—	1	—	—	—	—	1	12	36	46	46	24	2	—
6th child . . . . .	46	—	—	—	—	—	—	—	1	10	13	13	8	1	—
7th child . . . . .	22	—	—	—	—	—	—	—	—	1	7	9	5	—	—
8th child and over . . . . .	17	—	—	—	—	—	—	—	1	7	—	6	3	—	—
Not stated . . . . .	77	—	6	—	2	1	1	2	14	17	23	12	5	—	—
Central and South American . . . . .															
Total . . . . .	143,520	204	11,896	526	1,190	2,133	3,380	4,667	35,073	40,624	33,399	17,829	4,298	183	14
1st child . . . . .	56,267	198	9,766	503	1,114	1,859	2,772	3,518	18,571	14,356	8,874	3,715	755	31	1
2d child . . . . .	45,800	3	1,792	18	70	243	525	936	11,364	14,400	11,459	5,583	1,152	43	4
3d child . . . . .	25,402	—	252	—	4	17	62	169	3,919	7,841	7,730	4,571	1,053	33	3
4th child . . . . .	9,774	—	30	—	—	3	2	25	899	2,735	3,261	2,141	666	37	5
5th child . . . . .	3,482	—	3	—	—	1	—	2	154	825	1,237	946	302	14	1
6th child . . . . .	1,299	—	—	—	—	—	—	—	24	213	452	433	165	12	—
7th child . . . . .	535	—	—	—	—	—	—	—	6	65	163	204	93	4	—
8th child and over . . . . .	386	—	—	—	—	—	—	—	3	22	92	163	99	7	—
Not stated . . . . .	575	3	53	5	2	10	19	17	133	167	131	73	13	2	—

See footnotes at end of table.

**Table 6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004—Con.**

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	All ages	Under 15 years	Age of mother												
			15–19 years												
			Total	15 years	16 years	17 years	18 years	19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
<b>Other and unknown</b>															
Hispanic . . . . .	49,044	158	7,787	466	930	1,534	2,109	2,748	14,828	12,318	8,697	4,236	973	45	2
1st child . . . . .	19,273	154	5,987	438	853	1,310	1,547	1,839	6,297	3,565	2,180	893	184	11	2
2d child . . . . .	15,141	3	1,478	22	67	196	467	726	5,208	4,059	2,802	1,311	270	10	—
3d child . . . . .	8,471	1	215	—	3	12	68	132	2,298	2,774	1,948	1,011	215	9	—
4th child . . . . .	3,598	—	35	—	1	1	6	27	722	1,205	1,011	492	128	5	—
5th child . . . . .	1,366	—	8	—	—	3	—	5	167	422	404	279	80	6	—
6th child . . . . .	471	—	—	—	—	—	—	—	29	128	165	108	41	—	—
7th child . . . . .	217	—	1	—	—	—	1	—	10	61	68	54	22	1	—
8th child and over . . . . .	150	—	—	—	—	—	—	—	—	1	21	52	21	3	—
Not stated . . . . .	357	—	63	6	6	12	20	19	96	83	67	36	12	—	—
<b>Non-Hispanic</b>															
Total <sup>1</sup> . . . . .	3,133,125	4,396	279,393	11,191	25,687	47,505	79,271	115,739	747,379	841,592	779,789	390,137	85,277	4,855	307
1st child . . . . .	1,279,647	4,300	225,318	10,791	23,824	41,653	64,339	84,711	361,015	327,345	243,335	96,873	20,044	1,327	90
2d child . . . . .	1,021,378	72	44,912	341	1,615	5,111	12,745	25,100	247,544	280,683	287,063	134,474	25,316	1,226	88
3d child . . . . .	505,051	2	6,867	12	94	449	1,623	4,689	98,341	144,066	149,762	87,418	17,706	835	54
4th child . . . . .	190,311	—	820	4	9	26	155	626	28,340	55,912	57,057	38,154	9,508	493	27
5th child . . . . .	68,354	—	90	1	1	2	15	71	7,025	19,393	21,595	15,106	4,850	280	15
6th child . . . . .	27,848	—	11	—	—	1	1	9	1,576	6,965	9,319	7,186	2,607	177	7
7th child . . . . .	12,949	—	3	—	1	—	—	2	334	2,549	4,546	3,863	1,525	120	9
8th child and over . . . . .	14,417	—	2	—	—	—	—	2	159	1,330	3,943	5,354	3,245	368	16
Not stated . . . . .	13,170	22	1,370	42	143	263	393	529	3,045	3,349	3,169	1,709	476	29	1
White . . . . .	2,296,683	1,477	168,795	4,908	13,055	27,258	48,740	74,834	517,148	631,726	604,040	304,085	65,389	3,772	251
1st child . . . . .	946,010	1,457	140,319	4,794	12,380	24,658	41,097	57,390	263,223	256,701	190,429	76,777	15,964	1,066	74
2d child . . . . .	767,723	14	24,458	93	589	2,305	6,736	14,735	173,016	216,726	226,786	106,106	19,558	981	78
3d child . . . . .	369,821	1	3,039	3	25	164	658	2,189	60,969	104,546	117,868	69,247	13,460	647	44
4th child . . . . .	129,847	—	299	3	3	7	50	236	14,528	36,329	42,092	29,079	7,133	363	24
5th child . . . . .	42,475	—	34	—	1	—	5	28	2,940	10,616	14,368	10,800	3,511	195	11
6th child . . . . .	16,140	—	3	—	—	—	—	3	522	3,176	5,699	4,754	1,862	119	5
7th child . . . . .	7,346	—	—	—	—	—	—	—	98	949	2,580	2,528	1,097	88	6
8th child and over . . . . .	8,832	—	—	—	—	—	—	—	74	479	1,988	3,530	2,462	291	8
Not stated . . . . .	8,489	5	643	15	57	124	194	253	1,778	2,204	2,230	1,264	342	22	1
Black . . . . .	578,772	2,729	97,290	5,753	11,240	17,927	26,778	35,592	188,761	138,093	92,646	46,945	11,676	607	25
1st child . . . . .	218,584	2,658	74,497	5,489	10,172	15,036	20,299	23,501	75,813	34,117	20,223	9,077	2,071	120	8
2d child . . . . .	166,674	55	18,128	226	925	2,482	5,321	9,174	62,170	42,345	27,959	13,035	2,867	111	4
3d child . . . . .	101,861	1	3,452	9	61	260	871	2,251	32,555	31,608	20,949	10,641	2,538	113	4
4th child . . . . .	48,341	—	485	1	6	17	96	365	12,256	16,419	11,127	6,352	1,614	86	2
5th child . . . . .	21,059	—	52	1	—	2	9	40	3,654	7,410	5,658	3,211	1,012	59	3
6th child . . . . .	9,643	—	8	—	1	1	1	6	952	3,253	2,914	1,896	574	45	1
7th child . . . . .	4,581	—	3	—	1	—	—	2	212	1,391	1,606	1,033	312	24	—
8th child and over . . . . .	4,468	—	1	—	—	—	—	1	77	748	1,583	1,414	599	43	3
Not stated . . . . .	3,561	15	664	27	75	129	181	252	1,072	802	627	286	89	6	—

— Quantity zero.

<sup>1</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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 7. 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, 2004**

[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	15–44 years <sup>1</sup>	10–14 years	Age of mother								
			15–19 years								
			Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
Hispanic											
Total	97.8	1.3	82.6	49.7	133.5	165.3	145.6	104.1	52.9	12.4	0.7
1st child	35.1	1.3	64.0	43.9	95.2	70.8	37.5	20.0	8.1	1.7	0.1
2d child	29.9	0.0	15.7	5.3	31.6	59.8	50.1	30.5	13.0	2.6	0.1
3d child	19.1	*	2.5	0.4	5.8	25.3	36.0	28.8	14.1	2.8	0.1
4th child	8.4	*	0.3	0.0	0.7	7.2	14.9	15.0	9.0	2.2	0.1
5th child	3.2	*	0.0	*	0.1	1.7	4.9	6.0	4.6	1.3	0.1
6th and 7th child	1.7	*	*	*	*	0.4	2.0	3.2	3.1	1.2	0.1
8th child and over	0.4	*	*	*	*	0.0	0.2	0.6	0.9	0.5	0.1
Mexican	106.8	1.4	95.5	58.4	152.4	180.0	153.5	106.2	54.3	12.6	0.7
1st child	36.8	1.4	73.3	51.3	107.0	74.0	35.1	16.6	6.5	1.4	0.1
2d child	32.2	0.0	18.7	6.5	37.4	66.5	52.7	28.6	11.2	2.0	0.1
3d child	21.7	*	3.1	0.5	7.0	28.7	40.6	31.9	15.0	2.7	0.1
4th child	9.9	*	0.4	0.1	0.9	8.3	17.1	17.6	10.8	2.5	0.1
5th child	3.8	*	0.0	*	0.1	2.0	5.5	7.1	5.7	1.7	0.1
6th and 7th child	2.0	*	*	*	*	0.5	2.2	3.8	3.9	1.6	0.1
8th child and over	0.4	*	*	*	*	0.0	0.3	0.6	1.1	0.7	0.1
Puerto Rican	68.4	0.9	62.6	38.9	*	139.1	102.2	66.4	32.8	6.8	0.5
1st child	26.6	0.9	49.1	34.5	*	55.9	26.7	15.8	6.4	1.3	*
2d child	21.3	*	11.3	4.0	*	50.5	34.1	21.9	9.8	1.7	*
3d child	12.1	*	2.0	0.3	*	23.1	23.9	15.3	8.0	1.5	*
4th child	5.1	*	0.2	*	*	7.2	11.1	7.2	4.3	1.0	*
5th child	1.9	*	*	*	*	1.7	4.1	3.4	2.1	0.5	*
6th and 7th child	1.1	*	*	*	*	0.6	2.0	2.1	1.6	0.5	*
8th child and over	0.3	*	*	*	*	*	0.3	0.6	0.6	0.2	*
Cuban	53.2	*	*	*	*	*	*	*	*	*	*
1st child	25.0	*	*	*	*	*	*	*	*	*	*
2d child	18.8	*	*	*	*	*	*	*	*	*	*
3d child	6.8	*	*	*	*	*	*	*	*	*	*
4th child	1.8	*	*	*	*	*	*	*	*	*	*
5th child	0.6	*	*	*	*	*	*	*	*	*	*
6th and 7th child	0.2	*	*	*	*	*	*	*	*	*	*
8th child and over	*	*	*	*	*	*	*	*	*	*	*
Other Hispanic <sup>3</sup>	89.3	1.1	57.7	32.7	96.4	136.2	144.4	114.2	60.0	15.2	0.8
1st child	35.2	1.1	46.5	29.5	72.7	68.2	49.1	30.1	12.6	2.7	0.1
2d child	28.4	*	9.6	3.0	20.0	45.4	50.6	38.9	18.8	4.1	0.2
3d child	15.8	*	1.4	0.2	3.2	17.0	29.1	26.4	15.3	3.7	0.1
4th child	6.2	*	0.2	*	0.4	4.4	10.8	11.6	7.2	2.3	0.1
5th child	2.3	*	*	*	*	0.9	3.4	4.5	3.3	1.1	0.1
6th and 7th child	1.2	*	*	*	*	0.2	1.3	2.3	2.2	0.9	*
8th child and over	0.2	*	*	*	*	*	0.1	0.4	0.6	0.3	*
Non-Hispanic <sup>4</sup>											
Total <sup>5</sup>	60.5	0.5	33.3	16.7	58.1	89.0	108.7	93.6	44.1	8.5	0.5
1st child	24.8	0.5	27.0	15.2	44.6	43.2	42.5	29.3	11.0	2.0	0.1
2d child	19.8	0.0	5.4	1.4	11.3	29.6	36.4	34.5	15.2	2.5	0.1
3d child	9.8	*	0.8	0.1	1.9	11.8	18.7	18.0	9.9	1.8	0.1
4th child	3.7	*	0.1	0.0	0.2	3.4	7.3	6.9	4.3	0.9	0.1
5th child	1.3	*	0.0	*	0.0	0.8	2.5	2.6	1.7	0.5	0.0
6th and 7th child	0.8	*	*	*	*	0.2	1.2	1.7	1.3	0.4	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.6	0.3	0.0

See footnotes at end of table.

**Table 7. 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, 2004—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	15–44 years <sup>1</sup>	10–14 years	Age of mother								
			15–19 years								
			Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
Non-Hispanic <sup>4</sup> —Con.											
White . . . . .	58.4	0.2	26.7	12.0	48.7	81.9	110.0	97.1	44.8	8.2	0.5
1st child . . . . .	24.1	0.2	22.3	11.1	38.9	41.8	44.8	30.7	11.4	2.0	0.1
2d child . . . . .	19.6	*	3.9	0.8	8.5	27.5	37.8	36.5	15.7	2.5	0.1
3d child . . . . .	9.4	*	0.5	0.1	1.1	9.7	18.3	19.0	10.2	1.7	0.1
4th child . . . . .	3.3	*	0.0	*	0.1	2.3	6.4	6.8	4.3	0.9	0.1
5th child . . . . .	1.1	*	0.0	*	0.0	0.5	1.9	2.3	1.6	0.4	0.0
6th and 7th child . . . . .	0.6	*	*	*	*	0.1	0.7	1.3	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 . . . . .	67.0	1.6	63.1	37.1	103.9	126.9	103.0	67.4	33.7	7.8	0.5
1st child . . . . .	25.5	1.6	48.6	32.8	73.4	51.3	25.6	14.8	6.6	1.4	0.1
2d child . . . . .	19.4	0.0	11.8	3.9	24.3	42.0	31.7	20.5	9.4	1.9	0.1
3d child . . . . .	11.9	*	2.3	0.4	5.2	22.0	23.7	15.3	7.7	1.7	0.1
4th child . . . . .	5.6	*	0.3	0.0	0.8	8.3	12.3	8.1	4.6	1.1	0.1
5th child . . . . .	2.5	*	0.0	*	0.1	2.5	5.6	4.2	2.3	0.7	0.0
6th and 7th child . . . . .	1.7	*	*	*	*	0.8	3.5	3.3	2.1	0.6	0.1
8th child and over . . . . .	0.5	*	*	*	*	0.1	0.6	1.2	1.0	0.4	0.0

0.0 Quantity more than zero but less than 0.05.

\* 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.

<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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 8. 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, 1989–2004**

[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 group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin or race of mother	Total fertility rate	Fertility rate <sup>1</sup>	10–14 years	Age of mother							
				15–19 years				20–24 years	25–29 years	30–34 years	35–39 years
				Total	15–17 years	18–19 years	20–24 years				
All origins											
2004	2,045.5	66.3	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9
2003	2,042.5	66.1	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7
2002	2,013.0	64.8	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3
2001	2,034.0	65.3	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1
2000	2,056.0	65.9	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0
1999	2,007.5	64.4	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4
1998	1,999.0	64.3	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4
1997	1,971.0	63.6	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1
1996	1,976.0	64.1	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8
1995	1,978.0	64.6	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6
1994	2,001.5	65.9	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4
1993	2,019.5	67.0	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1
1992	2,046.0	68.4	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9
1991	2,062.5	69.3	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5
1990	2,081.0	70.9	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5
1989	2,014.0	69.2	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2
Hispanic											
2004	2,824.5	97.8	1.3	82.6	49.7	133.5	165.3	145.6	104.1	52.9	12.4
2003	2,785.5	96.9	1.3	82.3	49.7	132.0	163.4	144.4	102.0	50.8	12.2
2002	2,718.0	94.4	1.4	83.4	50.7	133.0	164.3	139.4	95.1	47.8	11.5
2001	2,748.5	96.0	1.6	86.4	52.8	135.5	163.5	140.4	97.6	47.9	11.6
2000	2,730.0	95.9	1.7	87.3	55.5	132.6	161.3	139.9	97.1	46.6	11.5
1999	2,649.0	93.0	1.9	86.8	56.9	129.5	157.3	135.8	92.3	44.5	10.6
1998	2,652.5	93.2	1.9	87.9	58.5	131.5	159.3	136.1	90.5	43.4	10.8
1997	2,680.5	94.2	2.1	89.6	61.1	132.4	162.6	137.5	89.6	43.4	10.7
1996	2,772.0	97.5	2.4	94.6	64.2	140.0	170.2	140.7	91.3	43.9	10.7
1995	2,798.5	98.8	2.6	99.3	68.3	145.4	171.9	140.4	90.5	43.7	10.7
1994	2,839.0	100.7	2.6	101.3	69.9	147.5	175.7	142.4	91.1	43.4	10.7
1993	2,894.5	103.3	2.6	101.8	68.5	151.1	180.0	146.0	93.2	44.1	10.6
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
1991 <sup>3</sup>	2,963.5	106.9	2.4	104.6	69.2	155.5	184.6	150.0	95.1	44.7	10.7
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
1989 <sup>5</sup>	2,903.5	104.9	2.3	100.8	---	---	184.4	146.6	92.1	43.5	10.4
Mexican											
2004	3,021.0	106.8	1.4	95.5	58.4	152.4	180.0	153.5	106.2	54.3	12.6
2003	2,957.5	105.5	1.5	93.2	56.9	148.8	176.9	151.5	104.7	50.2	12.8
2002	2,879.5	102.8	1.5	94.5	58.6	147.5	176.9	144.5	97.9	47.5	12.3
2001	2,928.5	105.7	1.7	95.4	59.3	147.0	177.0	146.4	101.9	50.0	12.6
2000	2,906.5	105.1	1.9	95.4	60.6	146.7	174.9	144.7	102.3	49.2	12.2
1999	2,823.0	101.5	2.1	94.3	60.8	145.6	170.8	141.4	97.4	47.2	10.7
1998	2,878.0	103.2	2.1	96.4	62.9	149.2	176.5	147.4	94.9	46.9	10.8
1997	2,957.0	106.6	2.3	103.4	71.3	151.6	180.9	150.0	95.3	47.4	11.5
1996	3,052.0	110.7	2.6	112.2	77.7	161.6	185.3	154.7	96.5	46.4	12.0
1995	3,033.5	109.9	2.7	115.9	79.1	170.7	190.4	146.6	93.0	45.5	11.9
1994	3,024.0	109.9	2.7	109.2	73.6	163.3	189.1	153.6	92.5	45.3	11.7
1993	3,041.5	110.9	2.5	103.6	68.4	156.6	187.9	159.5	97.2	45.5	11.3
1992 <sup>3</sup>	3,107.0	113.3	2.4	105.1	---	---	196.6	160.2	97.1	47.4	11.8
1991 <sup>3</sup>	3,103.5	114.9	2.5	108.3	70.0	164.7	192.4	156.1	99.7	49.1	11.9
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
1989 <sup>5</sup>	2,916.5	106.6	2.0	94.5	---	---	184.3	153.7	96.1	41.0	11.1

See footnotes at end of table.

**Table 8. 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, 1989–2004—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 group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin or race of mother	Total fertility rate	Fertility rate <sup>1</sup>	10–14 years	Age of mother								
				15–19 years				20–24 years	25–29 years	30–34 years	35–39 years	40–44 years
				Total	15–17 years	18–19 years	20–24 years					
<b>Puerto Rican</b>												
2004	2,056.5	68.4	0.9	62.6	38.9	*	139.1	102.2	66.4	32.8	6.8	0.5
2003	1,841.0	61.6	1.0	60.8	35.9	*	127.9	86.6	55.6	29.5	6.4	0.4
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	49.4	*	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	45.0	*	136.0	92.9	54.1	26.1	6.2	0.4
1996	1,965.0	66.5	1.9	76.5	48.6	*	133.7	95.6	54.3	25.2	5.6	*
1995	2,078.0	71.3	2.9	82.8	57.3	*	138.1	97.9	61.2	26.9	5.5	0.3
1994	2,341.5	78.2	3.1	99.6	68.8	*	169.0	103.8	59.5	27.5	5.6	0.2
1993	2,416.0	79.8	3.1	104.9	70.1	*	184.6	102.8	54.4	26.7	6.2	*
1992 <sup>3</sup>	2,568.5	87.9	3.4	106.5	---	---	199.1	102.6	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	*
<b>Cuban</b>												
2004	1,732.5	53.2	*	*	*	*	*	*	*	*	*	*
2003	2,059.5	61.7	*	*	*	*	*	*	*	*	*	*
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	1,584.0	52.2	*	*	*	*	*	*	*	*	*	*
1994	1,587.0	53.6	*	*	*	*	*	*	*	*	*	*
1993	1,570.0	53.9	*	*	*	*	*	*	*	*	*	*
1992 <sup>3</sup>	1,453.5	49.4	*	*	---	---	*	*	*	*	*	*
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	*	*	---	---	*	*	*	*	*	*
<b>Other Hispanic<sup>6</sup></b>												
2004	2,648.0	89.3	1.1	57.7	32.7	96.4	136.2	144.4	114.2	60.0	15.2	0.8
2003	2,733.0	91.2	1.0	60.4	36.4	93.1	142.2	152.8	112.3	63.2	13.9	0.8
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	53.1	100.5	130.2	138.4	98.3	46.5	12.3	0.7
1998	2,448.5	83.5	1.8	75.0	53.3	100.3	122.7	133.6	97.8	45.4	12.8	0.6
1997	2,376.5	80.6	1.8	66.4	44.5	98.0	129.3	125.8	95.6	43.9	11.8	0.7
1996	2,516.5	84.2	2.2	64.8	43.4	95.6	149.6	127.9	98.0	49.1	11.0	0.7
1995	2,629.5	89.1	2.3	72.1	51.3	99.4	144.3	147.7	97.9	49.4	11.6	0.6
1994	2,693.0	93.2	2.5	82.6	62.7	105.0	151.2	137.0	104.4	48.4	11.9	0.6
1993	2,914.5	101.5	2.6	102.0	74.7	134.6	167.5	139.4	106.7	51.7	12.5	0.5
1992 <sup>3</sup>	2,989.0	104.7	2.4	108.2	---	---	168.0	151.9	104.4	49.9	12.5	0.5
1991 <sup>3</sup>	3,064.5	105.5	2.2	100.7	67.3	145.6	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 8. 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, 1989–2004—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 group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin or race of mother	Total fertility rate	Fertility rate <sup>1</sup>	10–14 years	Age of mother								
				15–19 years				20–24 years	25–29 years	30–34 years	35–39 years	40–44 years
				Total	15–17 years	18–19 years	20–24 years					
<b>Non-Hispanic<sup>7</sup></b>												
<b>Total<sup>8</sup></b>												
2004	1,891.0	60.5	0.5	33.3	16.7	58.1	89.0	108.7	93.6	44.1	8.5	0.5
2003	1,897.5	60.5	0.5	34.1	17.3	59.4	90.5	109.2	93.8	42.6	8.3	0.5
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	23.3	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	28.4	75.8	97.3	103.6	80.8	33.9	6.5	0.3
1995	1,856.5	60.2	1.1	49.3	30.5	78.6	97.4	104.1	79.9	33.0	6.2	0.3
1994	1,883.5	61.6	1.2	51.7	32.3	81.4	99.5	106.5	79.1	32.4	6.0	0.3
1993	1,901.5	62.7	1.2	52.7	32.9	82.3	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	85.3	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
<b>White</b>												
2004	1,847.0	58.4	0.2	26.7	12.0	48.7	81.9	110.0	97.1	44.8	8.2	0.5
2003	1,856.5	58.5	0.2	27.4	12.4	50.0	83.5	110.8	97.6	43.2	8.1	0.5
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	59.4	90.6	108.6	89.5	37.3	6.9	0.4
1998	1,825.0	57.6	0.3	35.3	18.3	60.9	91.2	107.4	87.2	36.4	6.8	0.4
1997	1,785.5	56.8	0.4	36.0	19.3	62.1	90.0	104.8	84.3	34.8	6.5	0.3
1996	1,781.0	57.1	0.4	37.6	20.6	64.0	90.1	104.9	82.8	33.9	6.2	0.3
1995	1,777.5	57.5	0.4	39.3	22.0	66.2	90.2	105.1	81.5	32.8	5.9	0.3
1994	1,782.5	58.2	0.5	40.4	22.7	67.6	90.9	106.6	80.2	32.0	5.7	0.2
1993	1,786.0	58.9	0.5	40.7	22.7	67.7	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	69.8	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	23.6	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
<b>Black</b>												
2004	2,020.0	67.0	1.6	63.1	37.1	103.9	126.9	103.0	67.4	33.7	7.8	0.5
2003	2,027.5	67.1	1.6	64.7	38.7	105.3	128.1	102.1	67.4	33.4	7.7	0.5
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	51.7	123.9	142.1	99.8	63.9	30.6	6.5	0.3
1998	2,164.0	70.9	2.9	85.7	56.8	128.2	142.5	99.9	64.4	30.4	6.7	0.3
1997	2,137.5	70.3	3.2	88.3	60.7	131.0	138.8	97.2	63.6	29.6	6.5	0.3
1996	2,140.0	70.7	3.6	91.9	64.8	134.1	137.0	96.7	63.2	29.1	6.2	0.3
1995	2,186.5	72.8	4.2	97.2	70.4	139.2	137.8	98.5	64.4	28.8	6.1	0.3
1994	2,314.5	77.5	4.6	105.7	77.0	150.4	146.8	104.1	66.3	29.1	6.0	0.3
1993	2,412.5	81.5	4.6	110.5	81.1	154.6	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	82.9	161.1	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	86.1	162.2	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 for denominator size follow the suggestions of the U.S. Census Bureau.

<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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 9. Fertility rates and birth rates by live-birth order and by race and Hispanic origin of mother: United States, 1980–2004**

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

Year and race and Hispanic origin of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races <sup>1,2</sup>								
2004 . . . . .	66.3	26.4	21.4	11.2	4.4	1.6	0.9	0.3
2003 . . . . .	66.1	26.5	21.4	11.1	4.3	1.6	0.9	0.3
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>3</sup> . . . . .	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 <sup>3</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>3</sup> . . . . .	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 <sup>3</sup> . . . . .	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
Non-Hispanic white <sup>2,4</sup>								
2004 . . . . .	58.4	24.1	19.6	9.4	3.3	1.1	0.6	0.2
2003 . . . . .	58.5	24.3	19.7	9.4	3.3	1.1	0.6	0.2
2002 . . . . .	57.4	23.5	19.5	9.3	3.3	1.1	0.6	0.2
2001 . . . . .	57.7	23.6	19.7	9.3	3.3	1.1	0.6	0.2
2000 . . . . .	58.5	24.2	19.8	9.4	3.3	1.1	0.6	0.2
1999 . . . . .	57.7	24.0	19.6	9.2	3.2	1.0	0.6	0.2
1998 . . . . .	57.6	23.8	19.7	9.2	3.1	1.0	0.6	0.2
1997 . . . . .	56.8	23.8	19.3	8.9	3.0	1.0	0.5	0.2
1996 . . . . .	57.1	24.1	19.3	8.9	3.0	1.0	0.5	0.2
1995 . . . . .	57.5	24.5	19.3	8.9	3.0	1.0	0.5	0.2
1994 . . . . .	58.2	24.6	19.7	9.1	3.1	1.0	0.5	0.2
1993 . . . . .	58.9	24.8	20.1	9.2	3.1	1.0	0.5	0.2
1992 <sup>5</sup> . . . . .	60.0	25.1	20.5	9.5	3.2	1.0	0.5	0.2
1991 <sup>5</sup> . . . . .	60.9	25.8	20.6	9.6	3.2	1.0	0.5	0.2
1990 <sup>6</sup> . . . . .	62.8	26.7	21.2	9.9	3.3	1.1	0.5	0.2
Non-Hispanic black <sup>2,4</sup>								
2004 . . . . .	67.0	25.5	19.4	11.9	5.6	2.5	1.7	0.5
2003 . . . . .	67.1	25.4	19.6	11.9	5.6	2.5	1.6	0.5
2002 . . . . .	67.4	25.3	19.7	12.0	5.6	2.5	1.7	0.5
2001 . . . . .	69.1	25.9	20.4	12.4	5.8	2.5	1.7	0.6
2000 . . . . .	71.4	26.7	21.2	12.8	5.9	2.6	1.8	0.6
1999 . . . . .	69.9	26.4	20.8	12.3	5.7	2.5	1.7	0.6
1998 . . . . .	70.9	27.0	21.0	12.3	5.7	2.6	1.8	0.6
1997 . . . . .	70.3	27.2	20.6	12.0	5.7	2.5	1.8	0.6
1996 . . . . .	70.7	27.6	20.5	12.0	5.6	2.6	1.8	0.6
1995 . . . . .	72.8	28.9	20.9	12.1	5.8	2.7	1.9	0.6
1994 . . . . .	77.5	30.0	22.4	13.2	6.3	2.9	2.0	0.6
1993 . . . . .	81.5	30.5	23.6	14.3	7.0	3.2	2.2	0.7
1992 <sup>5</sup> . . . . .	84.5	31.1	24.8	15.2	7.3	3.4	2.2	0.6
1991 <sup>5</sup> . . . . .	87.0	32.1	25.5	15.7	7.5	3.4	2.2	0.6
1990 <sup>6</sup> . . . . .	89.0	33.2	26.3	16.0	7.6	3.3	2.0	0.6

See footnotes at end of table.

**Table 9. Fertility rates and birth rates by live-birth order and by race and Hispanic origin of mother: United States, 1980–2004—Con.**

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

Year and race and Hispanic origin of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
Hispanic <sup>7</sup>								
2004 . . . . .	97.8	35.1	29.9	19.1	8.4	3.2	1.7	0.4
2003 . . . . .	96.9	35.2	29.9	18.7	8.1	3.1	1.6	0.4
2002 . . . . .	94.4	34.6	29.0	17.9	7.9	3.0	1.6	0.4
2001 . . . . .	96.0	35.4	29.5	18.1	7.9	3.0	1.7	0.4
2000 . . . . .	95.9	35.8	29.2	18.0	7.7	3.0	1.7	0.4
1999 . . . . .	93.0	34.6	28.5	17.3	7.5	2.9	1.7	0.4
1998 . . . . .	93.2	34.8	28.5	17.2	7.6	3.0	1.7	0.4
1997 . . . . .	94.2	35.6	28.6	17.1	7.6	3.0	1.8	0.5
1996 . . . . .	97.5	37.2	29.4	17.4	7.8	3.2	1.9	0.5
1995 . . . . .	98.8	38.4	29.3	17.4	7.8	3.3	2.0	0.6
1994 . . . . .	100.7	39.0	29.7	17.6	8.2	3.4	2.1	0.6
1993 . . . . .	103.3	39.3	30.4	18.3	8.6	3.7	2.3	0.6
1992 <sup>5</sup> . . . . .	106.1	40.1	30.9	19.0	9.1	3.9	2.5	0.7
1991 <sup>5</sup> . . . . .	106.9	40.8	30.6	19.2	9.2	3.9	2.5	0.7
1990 <sup>6</sup> . . . . .	107.7	40.7	30.9	19.5	9.3	4.0	2.6	0.8

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

<sup>2</sup>Includes origin not stated.

<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>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>5</sup>Excludes data for New Hampshire, which did not report Hispanic origin.

<sup>6</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>7</sup>Includes all persons of Hispanic origin of any race.

**Table 10. Mean age of mother, by live-birth order and race and Hispanic origin of mother: United States, 1980–2004**

[Mean age at birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of births by age of mother and live birth order. Live-birth order refers to number of children born alive to mother]

Year and race and Hispanic origin of mother	Total	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
<b>All races<sup>1</sup></b>								
2004 . . . . .	27.5	25.2	28.0	29.4	30.4	31.4	32.9	35.9
2003 . . . . .	27.4	25.2	28.0	29.3	30.4	31.4	33.0	35.8
2002 . . . . .	27.3	25.1	27.9	29.2	30.3	31.4	32.9	35.9
2001 . . . . .	27.3	25.0	27.8	29.2	30.3	31.4	32.9	35.9
2000 . . . . .	27.2	24.9	27.7	29.2	30.3	31.4	32.9	35.8
1995 . . . . .	26.9	24.5	27.5	29.1	30.1	31.2	32.6	35.4
1990 . . . . .	26.4	24.2	26.9	28.3	29.4	30.6	32.1	35.1
1985 . . . . .	25.8	23.7	26.3	27.9	29.3	30.6	32.5	35.7
1980 <sup>2</sup> . . . . .	25.0	22.7	25.4	27.3	29.0	30.6	32.7	36.0
<b>Non-Hispanic white<sup>3</sup></b>								
2004 . . . . .	28.2	26.2	28.8	30.2	31.2	32.2	33.8	36.9
2003 . . . . .	28.2	26.2	28.8	30.1	31.2	32.3	33.9	37.0
2002 . . . . .	28.2	26.1	28.7	30.1	31.2	32.3	33.9	37.1
2001 . . . . .	28.1	26.0	28.6	30.1	31.3	32.4	33.9	37.0
2000 . . . . .	28.0	25.9	28.6	30.0	31.3	32.4	34.0	37.0
1995 . . . . .	27.6	25.4	28.3	29.9	31.2	32.4	33.9	36.7
1990 <sup>4</sup> . . . . .	27.1	25.0	27.6	29.1	30.3	31.6	33.2	36.2
<b>Non-Hispanic black<sup>3</sup></b>								
2004 . . . . .	25.6	22.7	25.9	27.5	28.6	29.8	31.2	34.1
2003 . . . . .	25.6	22.7	25.9	27.5	28.6	29.7	31.3	34.0
2002 . . . . .	25.4	22.6	25.8	27.3	28.5	29.6	31.2	34.1
2001 . . . . .	25.3	22.4	25.7	27.2	28.3	29.6	31.2	34.1
2000 . . . . .	25.2	22.3	25.5	27.1	28.2	29.5	31.0	33.9
1995 . . . . .	24.8	21.9	25.3	27.0	28.0	29.3	30.8	33.2
1990 <sup>4</sup> . . . . .	24.4	21.7	24.6	26.3	27.4	28.7	30.3	33.3
<b>Hispanic<sup>5</sup></b>								
2004 . . . . .	26.2	23.1	26.2	28.5	30.1	31.5	33.1	35.5
2003 . . . . .	26.1	23.1	26.1	28.4	30.0	31.4	33.1	35.4
2002 . . . . .	26.0	23.0	26.0	28.3	29.9	31.4	33.1	35.7
2001 . . . . .	25.9	22.8	25.9	28.2	29.9	31.4	33.1	35.7
2000 . . . . .	25.7	22.7	25.8	28.1	29.8	31.3	33.0	35.5
1995 . . . . .	25.4	22.4	25.5	27.8	29.6	31.1	32.8	35.5
1990 <sup>4</sup> . . . . .	25.3	22.4	25.2	27.4	29.1	30.6	32.3	35.3

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

<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."

<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>4</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>5</sup>Includes all persons of Hispanic origin of any race.

**Table 11. 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, 2004**

[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>	4,112,052	14.0	66.3	2,045.5	41.1	22.1	70.0
Alabama	59,510	13.1	62.4	1,906.5	52.4	29.1	86.5
Alaska	10,338	15.8	74.4	2,422.0	38.9	17.2	71.9
Arizona	93,663	16.3	79.5	2,384.5	60.1	35.6	98.4
Arkansas	38,573	14.0	68.3	2,073.5	60.3	30.7	104.1
California	544,843	15.2	70.4	2,150.5	39.5	21.2	67.9
Colorado	68,503	14.9	68.8	2,090.0	43.9	25.1	73.0
Connecticut	42,095	12.0	58.8	1,904.5	24.4	12.8	42.4
Delaware	11,369	13.7	63.8	1,973.0	43.5	25.5	70.0
District of Columbia	7,933	14.3	58.2	1,735.5	66.7	42.4	102.7
Florida	218,053	12.5	64.1	2,020.0	42.4	22.1	73.8
Georgia	138,849	15.7	70.1	2,145.5	53.4	29.3	90.8
Hawaii	18,281	14.5	74.0	2,301.5	36.1	18.5	61.8
Idaho	22,532	16.2	77.3	2,336.5	38.6	16.6	70.5
Illinois	180,778	14.2	66.7	2,039.0	40.2	22.8	66.6
Indiana	87,142	14.0	67.0	2,059.5	43.5	20.9	78.1
Iowa	38,438	13.0	63.8	1,981.5	31.6	15.1	54.5
Kansas	39,669	14.5	69.8	2,140.0	40.7	20.7	69.2
Kentucky	55,720	13.4	63.6	1,960.0	49.2	23.9	86.6
Louisiana	65,369	14.5	66.7	2,002.0	56.2	30.2	93.1
Maine	13,944	10.6	52.4	1,752.0	24.3	10.6	44.4
Maryland	74,628	13.4	62.3	1,978.0	32.4	18.0	54.9
Massachusetts	78,484	12.2	56.5	1,719.5	22.3	11.7	38.3
Michigan	129,776	12.8	61.4	1,926.5	34.1	17.7	59.2
Minnesota	70,624	13.8	64.5	2,029.0	26.7	13.6	45.5
Mississippi	42,827	14.8	68.3	2,033.5	61.9	33.9	102.6
Missouri	77,765	13.5	64.3	1,986.0	43.4	22.0	74.6
Montana	11,519	12.4	62.7	1,996.0	35.8	17.7	60.9
Nebraska	26,332	15.1	72.6	2,225.0	35.9	18.2	60.5
Nevada	35,200	15.1	72.6	2,216.0	51.1	27.7	88.4
New Hampshire	14,565	11.2	53.4	1,792.5	18.2	7.8	34.4
New Jersey	115,253	13.2	64.2	2,040.0	24.1	12.5	42.7
New Mexico	28,384	14.9	71.9	2,199.5	60.8	38.3	93.5
New York	249,947	13.0	60.7	1,863.0	26.9	14.2	46.1
North Carolina	119,847	14.0	66.0	2,027.5	48.8	26.1	84.5
North Dakota	8,189	12.9	63.2	1,948.5	27.2	11.1	48.2
Ohio	148,954	13.0	62.7	1,957.0	38.5	19.2	67.2
Oklahoma	51,306	14.6	70.3	2,107.0	55.6	29.8	91.9
Oregon	45,678	12.7	61.8	1,871.0	33.3	16.3	59.1
Pennsylvania	144,748	11.7	58.0	1,848.0	30.5	16.6	51.6
Rhode Island	12,779	11.8	55.0	1,711.0	32.9	17.1	56.7
South Carolina	56,590	13.5	63.6	1,946.0	52.1	28.8	87.8
South Dakota	11,338	14.7	72.4	2,260.0	38.5	17.4	68.8
Tennessee	79,642	13.5	63.4	1,957.5	52.1	26.7	89.5
Texas	381,293	17.0	77.3	2,335.5	62.6	37.1	101.1
Utah	50,670	21.2	92.3	2,544.5	34.0	15.5	60.2
Vermont	6,599	10.6	52.1	1,720.5	20.9	8.2	40.1
Virginia	103,933	13.9	65.0	2,026.5	35.2	17.5	61.8
Washington	81,747	13.2	61.7	1,907.5	31.3	15.7	54.1
West Virginia	20,880	11.5	58.3	1,795.5	43.8	21.4	76.4
Wisconsin	70,146	12.7	60.7	1,927.5	30.2	15.1	51.9
Wyoming	6,807	13.4	66.5	2,050.0	42.7	19.4	74.4
Puerto Rico	51,127	13.1	59.9	1,772.5	61.7	41.5	92.0
Virgin Islands	1,574	14.5	69.7	2,253.5	52.7	24.4	115.2
Guam	3,410	20.5	91.9	2,779.5	62.6	37.1	103.1
American Samoa	1,714	29.6	132.4	4,140.0	45.8	20.2	91.5
Northern Marianas	1,355	17.3	43.6	1,229.0	39.3	26.0	55.7

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

**Table 12. Live births by race of mother: United States, each state and territory, 2004**

[By place of residence]

State	Number				
	All races	White	Black	American Indian or Alaska Native <sup>1</sup>	Asian or Pacific Islander
United States <sup>2</sup>	4,112,052	3,222,928	616,074	43,927	229,123
Alabama	59,510	40,525	18,043	179	763
Alaska	10,338	6,586	397	2,590	765
Arizona	93,663	81,163	3,429	6,273	2,798
Arkansas	38,573	30,343	7,387	245	598
California	544,843	441,330	32,049	2,976	68,488
Colorado	68,503	62,497	2,930	597	2,479
Connecticut	42,095	34,450	5,279	250	2,116
Delaware	11,369	7,974	2,907	33	455
District of Columbia	7,933	2,301	5,394	9	229
Florida	218,053	157,719	52,756	741	6,837
Georgia	138,849	89,767	44,003	275	4,804
Hawaii	18,281	5,179	573	67	12,462
Idaho	22,532	21,714	110	399	309
Illinois	180,778	140,332	31,031	299	9,116
Indiana	87,142	75,847	9,634	117	1,544
Iowa	38,438	35,724	1,478	251	985
Kansas	39,669	35,172	2,842	499	1,156
Kentucky	55,720	49,869	4,924	99	828
Louisiana	65,369	37,126	26,721	426	1,096
Maine	13,944	13,381	225	116	222
Maryland	74,628	43,939	25,715	169	4,805
Massachusetts	78,484	63,965	8,710	164	5,645
Michigan	129,776	101,745	22,613	710	4,708
Minnesota	70,624	57,987	6,624	1,546	4,467
Mississippi	42,827	23,526	18,520	315	466
Missouri	77,765	64,135	11,456	383	1,791
Montana	11,519	9,822	53	1,519	125
Nebraska	26,332	23,704	1,573	449	606
Nevada	35,200	29,044	2,964	531	2,661
New Hampshire	14,565	13,766	256	24	519
New Jersey	115,253	84,397	19,794	174	10,888
New Mexico	28,384	23,852	502	3,620	410
New York	249,947	178,145	49,544	692	21,566
North Carolina	119,847	87,414	27,618	1,577	3,238
North Dakota	8,189	7,017	96	975	101
Ohio	148,954	121,351	23,875	311	3,417
Oklahoma	51,306	40,064	4,706	5,402	1,134
Oregon	45,678	41,234	1,061	874	2,509
Pennsylvania	144,748	115,995	22,797	332	5,624
Rhode Island	12,779	10,871	1,197	165	546
South Carolina	56,590	35,788	19,613	219	970
South Dakota	11,338	9,198	147	1,873	120
Tennessee	79,642	60,406	17,403	162	1,671
Texas	381,293	324,638	42,341	863	13,451
Utah	50,670	48,015	435	689	1,531
Vermont	6,599	6,416	59	12	112
Virginia	103,933	73,966	22,906	151	6,910
Washington	81,747	67,165	4,056	2,138	8,388
West Virginia	20,880	20,018	672	19	171
Wisconsin	70,146	59,988	6,601	1,110	2,447
Wyoming	6,807	6,358	55	318	76
Puerto Rico	51,127	46,399	4,702	---	---
Virgin Islands	1,574	383	1,161	5	25
Guam	3,410	272	32	6	3,100
American Samoa	1,714	4	—	—	1,710
Northern Marianas	1,355	20	—	—	1,335

--- 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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 13. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each state and territory, 2004**

[By place of residence]

State	All origins	Origin of mother									
		Hispanic			Non-Hispanic			Total <sup>1</sup>	White	Black	
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic				
United States <sup>2</sup>	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683	578,772	32,578
Alabama	59,510	3,364	2,504	103	22	339	396	56,098	37,209	17,972	48
Alaska	10,338	877	327	72	10	62	406	8,266	5,130	300	1,195
Arizona	93,663	41,422	38,910	300	53	884	1,275	50,490	39,632	2,821	1,751
Arkansas	38,573	3,508	2,924	33	6	515	30	34,951	26,797	7,343	114
California	544,843	275,201	240,669	2,025	688	26,586	5,233	261,830	162,716	30,478	7,812
Colorado	68,503	21,740	17,374	280	69	730	3,287	46,751	41,192	2,799	12
Connecticut	42,095	7,600	1,000	4,149	67	2,145	239	34,367	27,132	4,910	128
Delaware	11,369	1,523	861	285	8	354	15	9,772	6,442	2,852	74
District of Columbia	7,933	998	123	15	6	819	35	6,902	2,007	4,691	33
Florida	218,053	58,528	14,609	9,993	10,571	21,695	1,660	158,919	105,218	47,019	606
Georgia	138,849	20,112	15,744	644	145	3,405	174	116,538	68,603	43,154	2,199
Hawaii	18,281	2,680	493	732	14	108	1,333	15,571	4,319	483	30
Idaho	22,532	3,241	2,779	2	—	6	454	19,006	18,296	90	285
Illinois	180,778	42,655	36,096	2,616	195	1,737	2,011	138,022	97,915	30,732	101
Indiana	87,142	7,244	6,318	253	24	536	113	79,550	68,352	9,579	348
Iowa	38,438	2,835	2,245	50	7	423	110	35,498	32,859	1,459	105
Kansas	39,669	5,474	4,538	97	25	325	489	33,651	29,275	2,764	544
Kentucky	55,720	2,195	1,548	116	102	214	215	53,488	47,894	4,740	37
Louisiana	65,369	1,952	852	108	75	113	804	63,299	35,198	26,625	118
Maine	13,944	180	33	29	4	43	71	13,694	13,143	217	70
Maryland	74,628	7,634	1,624	416	75	5,144	375	66,921	38,069	24,152	73
Massachusetts	78,484	9,839	518	4,299	67	4,728	227	68,088	55,662	6,713	557
Michigan	129,776	7,827	6,390	410	70	513	444	118,411	91,117	22,240	3,538
Minnesota	70,624	5,336	4,024	120	28	776	388	64,297	53,344	5,569	991
Mississippi	42,827	1,108	725	28	12	87	256	41,682	22,419	18,491	37
Missouri	77,765	3,845	2,885	119	46	284	511	73,841	60,455	11,278	79
Montana	11,519	373	182	13	2	24	152	10,967	9,303	47	179
Nebraska	26,332	3,450	2,712	36	12	515	175	22,214	19,657	1,536	668
Nevada	35,200	13,054	10,855	274	197	1,252	476	21,782	15,994	2,807	364
New Hampshire	14,565	463	125	132	7	154	45	13,596	12,881	190	506
New Jersey	115,253	27,323	5,931	6,742	757	13,686	207	87,772	59,953	16,936	158
New Mexico	28,384	15,158	7,427	78	43	132	7,478	13,224	8,856	451	2
New York	249,947	56,834	10,748	14,328	499	26,799	4,460	192,439	128,426	42,437	674
North Carolina	119,847	17,295	13,078	744	135	3,173	165	102,457	70,256	27,430	95
North Dakota	8,189	167	103	9	3	15	37	7,791	6,633	91	231
Ohio	148,954	5,719	3,143	1,197	54	848	477	142,476	116,343	22,572	759
Oklahoma	51,306	6,007	5,519	129	19	276	64	45,140	34,201	4,628	159
Oregon	45,678	8,850	8,123	103	38	379	207	36,669	32,449	1,024	159
Pennsylvania	144,748	11,588	2,592	6,029	165	1,700	1,102	131,404	106,894	19,225	1,756
Rhode Island	12,779	2,430	178	680	12	1,460	100	8,584	6,933	1,010	1,765
South Carolina	56,590	4,335	3,032	250	35	672	346	52,176	32,811	18,311	79
South Dakota	11,338	395	252	16	6	83	38	10,933	8,862	140	10
Tennessee	79,642	5,838	4,128	219	37	807	647	73,681	56,330	15,741	123
Texas	381,293	188,214	167,648	1,131	312	10,392	8,731	192,026	136,303	41,664	1,053
Utah	50,670	7,179	5,347	92	24	745	971	43,209	40,702	390	282
Vermont	6,599	75	18	23	6	15	13	6,449	6,270	57	75
Virginia	103,933	11,690	3,327	691	92	6,812	768	92,104	62,988	22,280	139
Washington	81,747	14,255	11,723	309	57	624	1,542	65,143	53,500	3,108	2,349
West Virginia	20,880	151	73	10	5	31	32	20,685	19,831	669	44
Wisconsin	70,146	5,888	4,612	684	37	345	210	64,214	54,239	6,503	44
Wyoming	6,807	700	632	8	—	10	50	6,087	5,673	54	20
Puerto Rico	51,127	—	—	—	—	—	—	—	—	—	51,127
Virgin Islands	1,574	349	1	81	1	113	153	1,157	118	1,010	68
Guam	3,410	51	22	15	—	7	7	3,309	237	28	50
American Samoa	1,714	—	—	—	—	—	—	—	—	—	1,714
Northern Marianas	1,355	—	—	—	—	—	—	—	—	—	1,355

— Quantity zero.

--- Data not available.

<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 (OMB) standards. Fifteen states reported multiple-race data in 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes."

**Table 14. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by race of mother: United States, 2004**

[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. Mean age at first birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of first births by age of mother]

Characteristic	All races	White	Black	American Indian or Alaska Native <sup>1</sup>	Asian or Pacific Islander
Number					
Births . . . . .	4,112,052	3,222,928	616,074	43,927	229,123
Rate					
Birth rate . . . . .	14.0	13.5	16.0	14.0	16.8
Fertility rate . . . . .	66.3	66.1	67.6	58.9	67.1
Total fertility rate . . . . .	2,045.5	2,054.5	2,032.5	1,734.5	1,897.5
Sex ratio <sup>2</sup> . . . . .	1,048	1,050	1,039	1,030	1,058
Percent					
All births					
Births to mothers under 20 years . . . . .	10.3	9.3	17.1	17.9	3.4
4th- and higher-order births . . . . .	11.0	10.4	15.1	19.5	6.4
Births to unmarried mothers . . . . .	35.8	30.5	68.8	62.3	15.5
Mothers born in the 50 states and DC . . . . .	75.8	78.0	84.4	94.7	17.3
Mean					
Age of mother at first birth . . . . .	25.2	25.4	22.7	21.8	28.4

<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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 15. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2004**

[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. Mean age at first birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of first births by age of mother]

Characteristic	All origins <sup>1</sup>	Hispanic					Non-Hispanic		
		Total	Mexican	Puerto Rican	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
Number									
Births . . . . .	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683
Rate									
Birth rate <sup>3</sup> . . . . .	14.0	22.9	24.9	16.1	9.3	22.2	(3)	12.5	11.6
Fertility rate <sup>3</sup> . . . . .	66.3	97.8	106.8	68.4	53.2	89.3	(3)	60.5	58.4
Total fertility rate <sup>3</sup> . . . . .	2,045.5	2,824.5	3,021.0	2,056.5	1,732.5	2,648.0	(3)	1,891.0	1,847.0
Sex ratio <sup>4</sup> . . . . .	1,048	1,042	1,039	1,056	1,082	1,046	1,048	1,050	1,053
All births									
Births to mothers under 20 years . . . . .	10.3	14.3	15.3	17.6	7.8	8.4	16.2	9.1	7.4
4th- and higher-order births . . . . .	11.0	14.0	15.1	12.4	5.1	10.8	11.9	10.1	8.9
Births to unmarried mothers . . . . .	35.8	46.4	45.2	61.0	33.2	47.6	46.6	32.5	24.5
Mothers born in the 50 states and DC . . . . .	75.8	36.8	36.4	67.4	47.1	12.7	73.4	87.5	94.2
Mean									
Age of mother at first birth . . . . .	25.2	23.1	22.5	22.8	26.8	25.2	23.3	25.8	26.2

<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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 16. Live births and observed and seasonally adjusted birth and fertility rates, by month: United States, 2004**

[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>	
		Birth rate	Fertility rate	Birth rate	Fertility rate
Total . . . . .	4,112,052	14.0	66.3	...	...
January . . . . .	332,907	13.4	63.3	14.0	66.1
February . . . . .	315,821	13.6	64.3	13.9	65.7
March . . . . .	346,348	13.9	65.8	14.2	67.3
April . . . . .	333,335	13.8	65.4	14.1	66.6
May . . . . .	337,651	13.6	64.1	13.6	64.4
June . . . . .	344,881	14.3	67.7	14.4	68.0
July . . . . .	359,426	14.4	68.2	13.9	65.7
August . . . . .	355,408	14.2	67.4	13.7	65.0
September . . . . .	356,033	14.7	69.8	14.0	66.3
October . . . . .	348,466	13.9	66.1	13.9	65.7
November . . . . .	335,704	13.9	65.8	14.3	67.8
December . . . . .	346,072	13.8	65.6	14.1	67.2

... 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).

**Table 17. Live births by day of week and index of occurrence by method of delivery: United States, 2004**

Day of week and race of mother	Average number of births	Total <sup>2</sup>	Index of occurrence <sup>1</sup>			
			Method of delivery			
			Cesarean			
Total . . . . .	11,235	100.0	100.0	100.0	100.0	100.0
Sunday . . . . .	7,501	66.8	74.4	48.6	58.2	32.7
Monday . . . . .	11,715	104.3	101.5	110.9	101.4	126.7
Tuesday . . . . .	13,045	116.1	112.7	124.3	120.4	130.5
Wednesday . . . . .	12,858	114.4	111.7	121.0	119.0	124.4
Thursday . . . . .	12,638	112.5	110.4	117.4	115.9	119.8
Friday . . . . .	12,345	109.9	106.0	119.3	114.3	127.6
Saturday . . . . .	8,496	75.6	83.0	57.8	70.3	37.3

<sup>1</sup>Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

<sup>2</sup>Includes method of delivery not stated.

**Table 18. Number, birth rate, and percentage of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2004**

Measure and age of mother	All races <sup>1</sup>	White		Black		American Indian or Alaska Native <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 . . . . .	1,470,189	983,459	562,539	423,950	400,980	27,376	35,404	439,541
Under 15 years . . . . .	6,603	3,573	1,425	2,811	2,715	136	83	2,254
15–19 years . . . . .	342,188	230,758	131,620	98,828	93,940	6,854	5,748	103,258
15 years . . . . .	17,416	10,803	4,656	6,012	5,733	357	244	6,410
16 years . . . . .	38,310	25,050	11,728	11,721	11,140	863	676	13,884
17 years . . . . .	65,222	44,208	23,630	18,626	17,662	1,305	1,083	21,398
18 years . . . . .	96,935	66,077	38,798	27,349	25,950	1,904	1,605	28,398
19 years . . . . .	124,305	84,620	52,808	35,120	33,455	2,425	2,140	33,168
20–24 years . . . . .	566,381	379,427	231,090	164,645	156,394	10,627	11,682	155,010
25–29 years . . . . .	307,576	203,848	109,471	89,601	84,359	5,506	8,621	98,681
30–34 years . . . . .	155,275	103,586	53,222	43,259	40,372	2,685	5,745	52,760
35–39 years . . . . .	72,194	48,614	27,303	19,647	18,367	1,235	2,698	22,183
40 years and over . . . . .	19,972	13,653	8,408	5,159	4,833	333	827	5,395
Rate per 1,000 unmarried women in specified group								
15–44 years <sup>5</sup> . . . . .	46.1	41.6	29.4	67.2	---	---	23.6	95.7
15–19 years . . . . .	34.7	30.1	21.2	61.7	---	---	13.3	67.9
15–17 years . . . . .	20.1	17.1	10.7	37.0	---	---	7.7	43.3
18–19 years . . . . .	57.7	50.4	37.5	100.9	---	---	21.6	110.1
20–24 years . . . . .	72.5	64.1	48.0	119.8	---	---	27.9	138.6
25–29 years . . . . .	68.6	63.9	43.3	91.8	---	---	33.2	143.4
30–34 years . . . . .	47.0	45.7	29.6	52.0	---	---	35.4	109.6
35–39 years . . . . .	23.5	22.6	15.6	25.8	---	---	20.7	56.8
40–44 years <sup>6</sup> . . . . .	6.0	5.6	4.1	6.8	---	---	8.6	13.8
Percent of births to unmarried women								
All ages . . . . .	35.8	30.5	24.5	68.8	69.3	62.3	15.5	46.4
Under 15 years . . . . .	97.4	95.9	96.5	99.4	99.5	97.8	92.2	95.7
15–19 years . . . . .	82.4	77.7	78.0	96.1	96.6	89.0	75.3	77.6
15 years . . . . .	95.3	93.1	94.9	99.6	99.7	97.0	92.8	92.0
16 years . . . . .	91.5	88.4	89.8	98.9	99.1	95.7	88.5	87.4
17 years . . . . .	88.3	84.7	86.7	98.2	98.5	93.5	83.2	82.8
18 years . . . . .	82.7	78.1	79.6	96.5	96.9	88.4	75.5	76.4
19 years . . . . .	75.8	70.3	70.6	93.4	94.0	84.1	67.3	70.3
20–24 years . . . . .	54.8	48.1	44.7	82.2	82.9	70.2	38.1	55.4
25–29 years . . . . .	27.8	23.1	17.3	60.6	61.1	51.4	13.3	38.8
30–34 years . . . . .	16.1	13.3	8.8	43.7	43.6	41.4	7.2	29.7
35–39 years . . . . .	15.2	12.6	9.0	39.3	39.1	41.2	7.2	27.4
40 years and over . . . . .	18.2	15.6	12.1	39.5	39.3	44.1	9.9	29.9

---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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; 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 the 48 states and the District of Columbia, marital status is reported in the birth registration process; 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 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004**

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	15–44 years <sup>1</sup>	Age of mother							
		15–19 years							
		Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
All races <sup>3</sup>									
2004 <sup>4</sup>	46.1	34.7	20.1	57.7	72.5	68.6	47.0	23.5	6.0
2003 <sup>4</sup>	44.9	34.8	20.3	57.6	71.2	65.7	44.0	22.3	5.8
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	71.3	59.5	40.4	20.4	5.3
2000 <sup>4</sup>	44.1	39.0	23.9	62.2	72.2	58.5	39.3	19.7	5.0
1999 <sup>4</sup>	43.3	39.7	25.0	62.3	70.8	56.9	38.1	19.0	4.6
1998 <sup>4</sup>	43.3	40.9	26.5	63.6	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	40.2	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	66.2	68.5	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									
2004 <sup>4</sup>	41.6	30.1	17.1	50.4	64.1	63.9	45.7	22.6	5.6
2003 <sup>4</sup>	40.4	30.1	17.2	50.4	63.0	60.8	42.0	21.2	5.5
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	61.8	54.6	37.2	18.6	4.9
2000 <sup>4</sup>	38.2	32.7	19.7	53.1	61.7	52.9	35.9	17.9	4.5
1999 <sup>4</sup>	37.4	33.2	20.6	52.9	60.2	50.8	34.9	17.4	4.1
1998 <sup>4</sup>	36.9	33.6	21.5	53.1	59.5	48.6	34.1	16.9	4.1
1997 <sup>4</sup>	36.3	33.6	22.0	52.9	57.9	47.0	33.6	16.6	3.9
1996 <sup>4</sup>	37.0	34.0	22.3	53.5	57.9	48.1	35.4	17.7	4.3
1995 <sup>4</sup>	37.0	35.0	23.3	54.7	57.2	47.4	33.7	16.8	4.2
1994 <sup>4</sup>	37.8	35.8	23.9	55.8	57.5	48.6	33.8	17.2	4.3
1993 <sup>4</sup>	35.6	33.3	21.9	52.0	53.8	46.0	31.9	16.3	3.9
1992 <sup>4</sup>	35.0	32.7	21.4	51.2	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 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004—Con.**

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	15–44 years <sup>1</sup>	Age of mother							
		15–19 years							
		Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
Non-Hispanic white									
2004 <sup>4</sup>	29.4	21.2	10.7	37.5	48.0	43.3	29.6	15.6	4.1
2003 <sup>4</sup>	28.6	21.5	11.0	37.9	47.2	40.8	27.8	14.7	4.1
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	42.7	46.3	36.2	24.8	13.0	3.1
1998 <sup>4</sup>	27.9	26.2	15.5	43.1	46.3	35.4	25.0	13.1	3.1
1997 <sup>4</sup>	27.5	26.4	16.2	43.3	44.8	34.4	24.9	12.7	2.9
1996 <sup>4</sup>	28.2	27.0	16.9	43.9	44.5	35.0	26.4	13.8	3.3
1995 <sup>4</sup>	28.1	27.7	17.6	44.6	43.9	34.4	25.1	12.9	3.2
1994 <sup>4</sup>	28.4	28.1	17.9	45.0	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									
2004 <sup>4</sup>	67.2	61.7	37.0	100.9	119.8	91.8	52.0	25.8	6.8
2003 <sup>4</sup>	66.3	62.2	38.1	100.4	118.0	90.4	51.2	25.3	6.5
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>	68.1	69.9	43.8	110.2	122.8	84.1	51.1	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	50.0	115.8	126.8	85.5	49.0	24.2	5.8
1998 <sup>4</sup>	71.6	81.5	55.0	121.5	127.8	86.5	50.5	24.3	6.0
1997 <sup>4</sup>	71.5	84.5	59.0	124.8	124.2	81.4	51.0	24.3	6.5
1996 <sup>4</sup>	72.8	87.5	62.6	127.2	122.6	81.2	53.4	25.2	6.1
1995 <sup>4</sup>	74.5	91.2	67.4	129.2	124.6	82.3	53.3	25.3	6.0
1994 <sup>4</sup>	80.8	99.3	73.9	139.6	135.2	91.3	56.5	26.0	5.9
1993 <sup>4</sup>	83.0	101.2	75.9	140.0	139.9	92.8	56.7	25.7	5.8
1992 <sup>4</sup>	85.7	104.8	77.2	146.4	142.6	96.8	57.3	25.6	5.4
1991 <sup>4</sup>	89.0	107.8	79.9	147.7	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									
2004 <sup>4</sup>	23.6	13.3	7.7	21.6	27.9	33.2	35.4	20.7	8.6
2003 <sup>4</sup>	22.2	13.1	7.5	21.4	26.6	30.7	31.5	19.8	7.9
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 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004—Con.**

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	15–44 years <sup>1</sup>	Age of mother							
		15–19 years		20–24	25–29	30–34	35–39	40–44	
Hispanic <sup>9</sup>	Total	15–17 years	18–19 years	years	years	years	years	years	
2004 <sup>4</sup>	95.7	67.9	43.3	110.1	138.6	143.4	109.6	56.8	13.8
2003 <sup>4</sup>	92.2	66.6	43.0	107.0	133.7	136.0	99.2	54.7	13.3
2002 <sup>4</sup>	87.9	66.1	43.0	105.3	131.4	123.1	88.1	51.3	12.6
2001 <sup>4</sup>	87.8	67.1	44.2	104.3	132.3	120.7	91.4	49.7	12.2
2000 <sup>4</sup>	87.3	68.5	47.0	102.2	130.5	121.6	89.4	46.1	12.2
1999 <sup>4</sup>	84.9	68.6	48.7	99.9	126.1	119.6	84.2	42.4	11.2
1998 <sup>4</sup>	82.8	69.3	49.8	101.2	120.6	115.9	78.2	38.8	12.0
1997 <sup>4</sup>	83.2	69.2	50.7	100.6	122.8	114.8	78.8	40.5	12.1
1996 <sup>4</sup>	86.2	69.3	49.7	102.3	131.6	122.0	84.6	41.2	12.3
1995 <sup>4</sup>	88.8	73.2	52.8	108.6	135.8	122.3	84.1	42.2	12.1
1994 <sup>4</sup>	95.8	77.7	55.7	115.4	144.5	131.7	91.2	47.4	13.9
1993 <sup>4</sup>	91.4	71.1	49.6	108.8	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	107.5	134.2	135.1	88.2	47.6	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. Rate 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 birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. Fifteen states reported multiple-race data for 2004. The multiple-race data are bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary proportions are not available.

**Table 20. Number and percentage of births to unmarried women, by race and Hispanic origin of mother:  
United States, each state and territory, 2004**

[By place of residence]

State	Births to unmarried women				Percent unmarried			
	All races <sup>1</sup>	Non-Hispanic			All races <sup>1</sup>	Non-Hispanic		
		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>
United States <sup>4</sup> .....	1,470,189	562,539	400,980	439,541	35.8	24.5	69.3	46.4
Alabama .....	21,566	7,858	12,692	843	36.2	21.1	70.6	25.1
Alaska .....	3,577	1,149	118	306	34.6	22.4	39.3	34.9
Arizona .....	39,525	9,969	1,726	22,387	42.2	25.2	61.2	54.0
Arkansas .....	14,978	7,607	5,652	1,486	38.8	28.4	77.0	42.4
California .....	187,582	33,345	19,298	122,528	34.4	20.5	63.3	44.5
Colorado .....	18,837	7,787	1,479	9,052	27.5	18.9	52.8	41.6
Connecticut .....	12,891	4,624	3,274	4,727	30.6	17.0	66.7	62.2
Delaware .....	4,811	1,797	2,030	885	42.3	27.9	71.2	58.1
District of Columbia .....	4,436	126	3,634	628	55.9	6.3	77.5	62.9
Florida .....	90,254	31,948	31,705	25,224	41.4	30.4	67.4	43.1
Georgia .....	54,362	15,495	28,702	9,099	39.2	22.6	66.5	45.2
Hawaii .....	6,098	1,021	137	1,196	33.4	23.6	28.4	44.6
Idaho .....	5,099	3,512	34	1,207	22.6	19.2	37.8	37.2
Illinois .....	65,560	21,600	23,821	19,383	36.3	22.1	77.5	45.4
Indiana .....	33,828	22,182	7,464	3,819	38.8	32.5	77.9	52.7
Iowa .....	11,913	9,219	1,064	1,259	31.0	28.1	72.9	44.4
Kansas .....	13,100	8,126	1,967	2,477	33.0	27.8	71.2	45.3
Kentucky .....	19,500	14,688	3,586	1,074	35.0	30.7	75.7	48.9
Louisiana .....	32,117	10,446	20,419	794	49.1	29.7	76.7	40.7
Maine .....	4,748	4,464	77	57	34.1	34.0	35.5	31.7
Maryland .....	26,652	8,088	14,397	3,736	35.7	21.2	59.6	48.9
Massachusetts .....	22,392	11,353	3,835	6,205	28.5	20.4	57.1	63.1
Michigan .....	46,280	24,242	16,455	3,579	35.7	26.6	74.0	45.7
Minnesota .....	20,488	11,970	3,213	2,754	29.0	22.4	57.7	51.6
Mississippi .....	20,705	5,714	14,177	519	48.3	25.5	76.7	46.8
Missouri .....	28,741	17,797	8,689	1,828	37.0	29.4	77.0	47.5
Montana .....	3,951	2,584	24	152	34.3	27.8	51.1	40.8
Nebraska .....	7,954	4,760	1,068	1,516	30.2	24.2	69.5	43.9
Nevada .....	13,978	4,690	1,932	6,234	39.7	29.3	68.8	47.8
New Hampshire.....	3,852	3,338	76	187	26.4	25.9	40.0	40.4
New Jersey .....	34,643	8,165	10,977	14,870	30.1	13.6	64.8	54.4
New Mexico .....	13,865	2,505	245	8,455	48.8	28.3	54.3	55.8
New York .....	94,380	26,527	28,542	35,001	37.8	20.7	67.3	61.6
North Carolina .....	44,178	15,464	18,670	8,671	36.9	22.0	68.1	50.1
North Dakota .....	2,449	1,521	24	59	29.9	22.9	26.4	35.3
Ohio .....	55,663	34,635	17,152	2,998	37.4	29.8	76.0	52.4
Oklahoma .....	19,714	10,713	3,318	2,768	38.4	31.3	71.7	46.1
Oregon .....	14,850	9,333	670	3,935	32.5	28.8	65.4	44.5
Pennsylvania .....	50,983	27,755	14,376	7,074	35.2	26.0	74.8	61.0
Rhode Island .....	4,763	1,869	647	1,474	37.3	27.0	64.1	60.7
South Carolina .....	23,725	8,166	13,407	1,900	41.9	24.9	73.2	43.8
South Dakota .....	3,977	2,254	59	185	35.1	25.4	42.1	46.8
Tennessee .....	30,419	15,505	11,704	2,851	38.2	27.5	74.4	48.8
Texas .....	137,432	32,197	26,746	76,581	36.0	23.6	64.2	40.7
Utah .....	8,843	5,110	178	2,907	17.5	12.6	45.6	40.5
Vermont .....	2,132	2,039	28	26	32.3	32.5	49.1	34.7
Virginia .....	32,203	12,582	13,913	5,142	31.0	20.0	62.4	44.0
Washington .....	24,818	13,737	1,715	6,293	30.4	25.7	55.2	44.1
West Virginia .....	7,272	6,661	513	52	34.8	33.6	76.7	34.4
Wisconsin .....	21,947	12,722	5,326	2,815	31.3	23.5	81.9	47.8
Wyoming .....	2,158	1,580	25	343	31.7	27.9	46.3	49.0
Puerto Rico .....	28,261	---	---	---	55.3	---	---	---
Virgin Islands .....	1,078	34	748	249	68.5	28.8	74.1	71.3
Guam .....	1,932	38	6	13	56.7	16.0	*	*
American Samoa .....	627	---	---	---	36.6	---	---	---
Northern Marianas .....	760	---	---	---	56.1	---	---	---

--- 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 races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." <sup>3</sup>Includes all persons of Hispanic origin of any race. <sup>4</sup>Excludes data for the territories.

**Table 21. Birth rates by age and race of father: United States, 1980–2004**

[Rates are live births per 1,000 men in specified group. Populations 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>										
2004 . . . . .	48.8	17.0	72.4	104.9	102.5	61.7	23.9	7.7	2.4	0.3
2003 . . . . .	48.9	16.9	73.5	105.7	102.2	60.2	23.4	7.6	2.5	0.3
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										
2004 . . . . .	46.7	14.3	67.7	105.0	102.5	60.2	22.2	6.8	2.0	0.2
2003 . . . . .	47.1	14.3	69.2	106.1	102.8	58.9	21.9	6.7	2.1	0.3
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 21. Birth rates by age and race of father: United States, 1980–2004—Con.**

[Rates are live births per 1,000 men in specified group. Populations 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
Black										
2004 . . . . .	61.7	32.7	111.6	122.7	98.7	61.8	30.4	12.7	4.9	0.8
2003 . . . . .	61.0	32.5	111.9	122.3	96.2	59.9	29.6	12.4	4.9	0.9
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>3</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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all men (including Hispanic men) are classified only according to their race; see "Technical Notes." Age of father was not stated for 14 percent of births in 2004.

**Table 22. Number of live births and percent distribution, by weight gain of mother during pregnancy, according to period of gestation, race, and Hispanic origin of mother: Total of 49 reporting states and the District of Columbia, 2004**

Period of gestation <sup>1</sup> and race and Hispanic origin of mother	All births	Weight gain during pregnancy									
		Less than 16 pounds	16–20 pounds	21–25 pounds	26–30 pounds	31–35 pounds	36–40 pounds	41–45 pounds	46 pounds or more	Not stated	
<b>All gestation periods<sup>2</sup></b>											
<b>Number</b>											
All races <sup>3</sup> . . . . .	3,567,209	437,198	356,676	446,736	575,542	452,771	416,190	232,651	440,616	208,829	
Non-Hispanic white <sup>4</sup> . . . . .	2,133,967	218,604	186,930	262,509	353,304	295,225	271,462	157,324	296,047	92,562	
Non-Hispanic black <sup>4</sup> . . . . .	548,294	96,550	63,632	65,193	77,981	54,996	54,031	29,595	66,105	40,211	
Hispanic <sup>5</sup> . . . . .	671,148	99,009	83,467	89,779	107,002	74,356	66,645	33,663	59,802	57,425	
<b>Under 34 weeks</b>											
All races <sup>3</sup> . . . . .	131,658	32,914	18,168	15,731	16,525	10,415	9,393	4,779	10,590	13,143	
Non-Hispanic white <sup>4</sup> . . . . .	65,696	13,867	8,653	8,223	8,910	6,035	5,444	2,933	6,626	5,005	
Non-Hispanic black <sup>4</sup> . . . . .	35,853	11,263	5,081	3,796	3,944	2,265	2,051	1,007	2,335	4,111	
Hispanic <sup>5</sup> . . . . .	23,265	6,182	3,460	2,810	2,797	1,628	1,451	652	1,263	3,022	
<b>34–36 weeks</b>											
All races <sup>3</sup> . . . . .	322,540	46,920	36,437	41,462	49,701	35,731	33,161	18,574	39,490	21,064	
Non-Hispanic white <sup>4</sup> . . . . .	181,912	21,773	17,996	23,420	28,766	22,225	20,576	12,241	25,930	8,985	
Non-Hispanic black <sup>4</sup> . . . . .	62,909	12,306	8,203	7,625	8,849	5,637	5,498	2,902	6,911	4,978	
Hispanic <sup>5</sup> . . . . .	59,959	10,516	8,058	7,943	9,168	5,824	5,366	2,567	5,081	5,436	
<b>37–39 weeks</b>											
All races <sup>3</sup> . . . . .	1,870,770	223,492	188,611	240,851	310,366	243,406	219,514	120,625	221,212	102,693	
Non-Hispanic white <sup>4</sup> . . . . .	1,134,521	114,637	100,873	143,286	192,792	160,198	144,652	81,896	149,320	46,867	
Non-Hispanic black <sup>4</sup> . . . . .	278,435	46,914	32,200	34,073	40,714	29,108	28,076	15,413	33,210	18,727	
Hispanic <sup>5</sup> . . . . .	343,688	49,926	43,246	47,303	56,151	38,850	34,130	16,980	29,335	27,767	
<b>40 weeks and over</b>											
All races <sup>3</sup> . . . . .	1,236,189	133,192	113,151	148,395	198,555	162,901	153,852	88,501	168,998	68,644	
Non-Hispanic white <sup>4</sup> . . . . .	749,228	68,057	59,276	87,437	122,624	106,609	100,650	60,155	113,992	30,428	
Non-Hispanic black <sup>4</sup> . . . . .	169,784	25,853	18,067	19,638	24,398	17,940	18,358	10,245	23,578	11,707	
Hispanic <sup>5</sup> . . . . .	242,945	32,235	28,627	31,655	38,806	27,958	25,634	13,430	24,063	20,537	
<b>All gestation periods<sup>2</sup></b>											
<b>Percent distribution</b>											
All races <sup>3</sup> . . . . .	100.0	13.0	10.6	13.3	17.1	13.5	12.4	6.9	13.1	...	
Non-Hispanic white <sup>4</sup> . . . . .	100.0	10.7	9.2	12.9	17.3	14.5	13.3	7.7	14.5	...	
Non-Hispanic black <sup>4</sup> . . . . .	100.0	19.0	12.5	12.8	15.3	10.8	10.6	5.8	13.0	...	
Hispanic <sup>5</sup> . . . . .	100.0	16.1	13.6	14.6	17.4	12.1	10.9	5.5	9.7	...	
<b>Under 34 weeks</b>											
All races <sup>3</sup> . . . . .	100.0	27.8	15.3	13.3	13.9	8.8	7.9	4.0	8.9	...	
Non-Hispanic white <sup>4</sup> . . . . .	100.0	22.8	14.3	13.5	14.7	9.9	9.0	4.8	10.9	...	
Non-Hispanic black <sup>4</sup> . . . . .	100.0	35.5	16.0	12.0	12.4	7.1	6.5	3.2	7.4	...	
Hispanic <sup>5</sup> . . . . .	100.0	30.5	17.1	13.9	13.8	8.0	7.2	3.2	6.2	...	
<b>34–36 weeks</b>											
All races <sup>3</sup> . . . . .	100.0	15.6	12.1	13.8	16.5	11.9	11.0	6.2	13.1	...	
Non-Hispanic white <sup>4</sup> . . . . .	100.0	12.6	10.4	13.5	16.6	12.9	11.9	7.1	15.0	...	
Non-Hispanic black <sup>4</sup> . . . . .	100.0	21.2	14.2	13.2	15.3	9.7	9.5	5.0	11.9	...	
Hispanic <sup>5</sup> . . . . .	100.0	19.3	14.8	14.6	16.8	10.7	9.8	4.7	9.3	...	
<b>37–39 weeks</b>											
All races <sup>3</sup> . . . . .	100.0	12.6	10.7	13.6	17.6	13.8	12.4	6.8	12.5	...	
Non-Hispanic white <sup>4</sup> . . . . .	100.0	10.5	9.3	13.2	17.7	14.7	13.3	7.5	13.7	...	
Non-Hispanic black <sup>4</sup> . . . . .	100.0	18.1	12.4	13.1	15.7	11.2	10.8	5.9	12.8	...	
Hispanic <sup>5</sup> . . . . .	100.0	15.8	13.7	15.0	17.8	12.3	10.8	5.4	9.3	...	
<b>40 weeks and over</b>											
All races <sup>3</sup> . . . . .	100.0	11.4	9.7	12.7	17.0	14.0	13.2	7.6	14.5	...	
Non-Hispanic white <sup>4</sup> . . . . .	100.0	9.5	8.2	12.2	17.1	14.8	14.0	8.4	15.9	...	
Non-Hispanic black <sup>4</sup> . . . . .	100.0	16.4	11.4	12.4	15.4	11.3	11.6	6.5	14.9	...	
Hispanic <sup>5</sup> . . . . .	100.0	14.5	12.9	14.2	17.4	12.6	11.5	6.0	10.8	...	

... 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; 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. Percentage of births with selected medical or health characteristics, by race of mother: United States, 2004**

Characteristic	All races	White	Black	American Indian or Alaska Native <sup>1</sup>	Asian or Pacific Islander
<b>All births Mother</b>					
Diabetes during pregnancy . . . . .	3.6	3.4	3.4	5.6	5.8
Weight gain of less than 16 lb <sup>2</sup> . . . . .	13.0	11.9	18.8	17.5	10.1
CNM delivery <sup>3</sup> . . . . .	7.5	7.6	7.1	17.6	6.0
Cesarean delivery . . . . .	29.1	28.8	30.8	25.1	28.4
<b>Infant</b>					
Gestational age . . . . .					
Very preterm <sup>4</sup> . . . . .	2.0	1.7	4.0	2.2	1.5
Preterm <sup>5</sup> . . . . .	12.5	11.6	17.7	13.7	10.5
Birthweight . . . . .					
Very low birthweight <sup>6</sup> . . . . .	1.5	1.2	3.1	1.3	1.1
Low birthweight <sup>7</sup> . . . . .	8.1	7.1	13.4	7.5	7.9
4,000 grams or more <sup>8</sup> . . . . .	8.5	9.4	4.8	10.5	5.2
Twin birth <sup>9</sup> . . . . .	32.2	32.1	35.1	24.7	26.5
Triplet/+ birth <sup>10</sup> . . . . .	176.9	196.3	98.2	50.1	140.5

<sup>1</sup>Includes births to Aleuts and Eskimos.<sup>2</sup>Excludes data for California, which did not report weight gain on the birth certificate.<sup>3</sup>Births delivered by certified nurse midwives.<sup>4</sup>Born prior to 32 completed weeks of gestation.<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>Live births in twin deliveries per 1,000 live births.<sup>10</sup>Live births in triplet and other higher-order multiple deliveries per 100,000 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 (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 24. Percentage of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2004**

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
<b>All births Mother</b>										
Diabetes during pregnancy . . . . .	3.6	3.5	3.3	4.4	3.5	3.6	3.6	3.6	3.4	3.4
Weight gain of less than 16 lb <sup>3</sup> . . . . .	13.0	16.1	17.9	13.3	9.0	12.9	14.4	12.3	10.7	19.0
CNM delivery <sup>4</sup> . . . . .	7.5	9.0	8.7	10.1	4.2	9.5	11.7	7.0	7.0	6.9
Cesarean delivery . . . . .	29.1	28.0	27.1	29.8	43.4	30.1	26.7	29.4	29.2	31.0
<b>Infant</b>										
Gestational age . . . . .										
Very preterm <sup>5</sup> . . . . .	2.0	1.8	1.7	2.6	1.7	1.7	1.9	2.1	1.6	4.1
Preterm <sup>6</sup> . . . . .	12.5	12.0	11.8	14.0	12.8	11.7	12.6	12.6	11.5	17.9
Birthweight . . . . .										
Very low birthweight <sup>7</sup> . . . . .	1.5	1.2	1.1	2.0	1.3	1.2	1.3	1.6	1.2	3.1
Low birthweight <sup>8</sup> . . . . .	8.1	6.8	6.4	9.8	7.7	6.7	7.8	8.5	7.2	13.7
4,000 grams or more <sup>9</sup> . . . . .	8.5	7.9	8.1	6.4	8.2	7.8	6.7	8.7	10.0	4.6
Twin births <sup>10</sup> . . . . .	32.2	21.5	19.9	28.7	37.6	23.6	23.5	35.3	36.3	35.6
Triplet/+ births <sup>11</sup> . . . . .	176.9	76.4	71.3	168.2	*	66.2	48.9	207.0	243.4	99.7

<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 weight gain on the birth certificate.<sup>4</sup>Births delivered by certified nurse midwives.<sup>5</sup>Born prior to 32 completed weeks of gestation.<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>Live births in twin deliveries per 1,000 live births.<sup>11</sup>Live births in triplet and other higher order multiple deliveries per 100,000 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 (OMB) standards. 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." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2004**

[Rates are number of live births with specified risk factors complications, or procedures per 1,000 live births in specified group; congenital anomalies are per 100,000 live births]

Risk factor, characteristic, procedure, and anomaly	All births <sup>1</sup>	Factor reported	All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	Not stated <sup>2</sup>
<b>All Races<sup>3</sup></b>										
Risk factors in this pregnancy										
Diabetes . . . . .	4,112,052	146,435	35.8	11.2	20.4	34.1	46.9	61.8	80.9	17,761
Hypertension, pregnancy-associated . . . . .	4,112,052	155,246	37.9	41.4	37.2	37.4	36.1	38.7	48.8	17,761
Hypertension, chronic . . . . .	4,112,052	39,380	9.6	3.5	5.7	8.7	11.8	17.4	26.7	17,761
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor . . . . .	4,112,052	870,019	212.0	212.6	218.4	219.8	207.7	194.0	186.6	8,181
Tocolysis . . . . .	4,112,052	81,391	19.8	22.1	21.2	19.7	18.7	17.9	18.4	10,544
Meconium, moderate/heavy . . . . .	4,112,052	198,250	48.3	54.8	49.7	47.5	46.2	46.3	47.8	11,576
Breech/Malpresentation . . . . .	4,112,052	170,141	41.6	29.5	33.5	40.4	47.8	54.7	65.3	21,111
Precipitous labor . . . . .	4,112,052	78,516	19.2	13.0	17.8	19.3	21.1	22.8	22.0	16,266
Congenital Anomalies <sup>4</sup>										
Anencephaly . . . . .	4,083,668	441	10.9	9.6	11.1	10.3	11.7	10.2	*	20,748
Meningomyelocoele/Spina bifida . . . . .	4,083,668	786	19.3	21.2	21.0	19.5	16.8	18.3	22.1	20,748
Omphalocele/Gastroschisis . . . . .	4,083,668	1,116	27.5	72.4	37.0	20.7	13.3	13.2	21.2	20,748
Cleft lip/palate . . . . .	4,083,668	3,156	77.7	80.6	88.0	74.9	71.4	73.9	69.1	20,748
Down syndrome . . . . .	4,083,668	1,946	47.9	26.9	25.7	26.2	40.7	110.3	348.3	20,748
<b>Non-Hispanic white<sup>5</sup></b>										
Risk factors in this pregnancy										
Diabetes . . . . .	2,296,683	78,502	34.3	13.0	21.5	31.7	41.0	52.6	67.9	9,022
Hypertension, pregnancy-associated . . . . .	2,296,683	99,142	43.3	48.3	44.8	44.5	40.2	40.6	49.4	9,022
Hypertension, chronic . . . . .	2,296,683	22,666	9.9	3.7	6.1	9.1	11.5	15.5	22.2	9,022
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor . . . . .	2,296,683	582,296	254.0	278.9	274.7	265.8	239.7	219.4	208.8	4,608
Tocolysis . . . . .	2,296,683	49,956	21.8	26.9	24.1	21.6	20.3	19.1	19.5	6,200
Meconium, moderate/heavy . . . . .	2,296,683	97,370	42.5	46.3	42.7	41.5	42.0	42.7	44.7	6,635
Breech/Malpresentation . . . . .	2,296,683	108,390	47.4	35.8	38.6	45.6	52.4	58.2	69.1	12,286
Precipitous labor . . . . .	2,296,683	46,660	20.4	13.2	17.9	20.0	22.4	24.8	24.3	9,833
Congenital Anomalies <sup>4</sup>										
Anencephaly . . . . .	2,287,827	240	10.5	*	11.1	9.7	12.0	10.0	*	11,737
Meningomyelocoele/Spina bifida . . . . .	2,287,827	462	20.3	21.3	23.2	20.9	17.9	17.2	*	11,737
Omphalocele . . . . .	2,287,827	619	27.2	98.4	39.5	20.9	11.2	12.6	*	11,737
Cleft lip/palate . . . . .	2,287,827	2,076	91.2	115.6	116.2	85.7	77.5	77.3	75.7	11,737
Down syndrome . . . . .	2,287,827	1,270	55.8	32.0	28.3	28.7	44.4	120.7	379.8	11,737
<b>Non-Hispanic black<sup>5</sup></b>										
Risk factors in this pregnancy										
Diabetes . . . . .	578,772	19,383	33.6	9.8	19.8	36.8	54.9	72.9	93.7	2,449
Hypertension, pregnancy-associated . . . . .	578,772	24,347	42.2	44.7	38.4	40.4	43.9	50.2	59.1	2,449
Hypertension, chronic . . . . .	578,772	10,657	18.5	5.2	9.5	17.9	30.3	48.1	69.1	2,449
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor . . . . .	578,772	107,405	185.8	192.9	187.4	186.4	183.2	171.2	174.2	835
Tocolysis . . . . .	578,772	12,642	21.9	21.9	22.2	22.3	21.7	20.3	19.7	1,086
Meconium, moderate/heavy . . . . .	578,772	36,659	63.5	66.4	60.7	63.1	65.4	65.5	64.8	1,345
Breech/Malpresentation . . . . .	578,772	21,250	36.9	25.8	30.9	37.8	46.4	55.5	64.9	2,730
Precipitous labor . . . . .	578,772	11,747	20.4	15.1	20.5	22.1	22.0	22.9	19.7	1,818

See footnotes at end of table.

**Table 25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2004—Con.**

[Rates are number of live births with specified risk factors complications, or procedures per 1,000 live births in specified group; congenital anomalies are per 100,000 live births]

Risk factor, characteristic, procedure, and anomaly	All births <sup>1</sup>	Factor reported	All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	Not stated <sup>2</sup>
<b>Congenital Anomalies<sup>4</sup></b>										
Anencephaly . . . . .	578,321	62	10.8	*	*	*	*	*	*	2,723
Meningomyelocoele/Spina bifida . . . . .	578,321	105	18.2	*	17.6	21.1	*	*	*	2,723
Omphalocele . . . . .	578,321	206	35.8	43.2	34.1	34.2	33.7	*	*	2,723
Cleft lip/palate . . . . .	578,321	245	42.6	46.2	34.6	44.4	45.6	47.1	*	2,723
Down syndrome . . . . .	578,321	158	27.4	*	14.4	14.6	27.1	62.2	335.7	2,723
<b>Hispanic<sup>6</sup></b>										
<b>Risk factors in this pregnancy</b>										
Diabetes . . . . .	946,349	32,521	34.5	9.3	17.7	33.7	54.2	77.4	108.3	4,074
Hypertension, pregnancy-associated . . . . .	946,349	24,268	25.8	30.5	23.7	23.1	25.5	30.5	42.2	4,074
Hypertension, chronic . . . . .	946,349	4,192	4.4	2.0	2.6	3.8	5.9	10.1	19.9	4,074
<b>Obstetric procedures/Characteristics of labor and/or delivery</b>										
Induction of labor . . . . .	946,349	135,181	143.0	148.8	144.5	141.6	140.9	138.5	138.8	1,175
Tocolysis . . . . .	946,349	14,176	15.0	16.2	15.6	14.8	14.0	14.1	14.5	1,523
Meconium, moderate/heavy . . . . .	946,349	50,081	53.0	56.5	55.1	52.7	49.7	49.0	48.7	1,635
Breech/Malpresentation . . . . .	946,349	29,536	31.3	24.5	26.3	30.6	37.0	45.0	54.8	3,611
Precipitous labor . . . . .	946,349	14,200	15.0	10.6	15.0	16.2	16.5	15.6	15.5	2,360
<b>Congenital Anomalies<sup>4</sup></b>										
Anencephaly . . . . .	931,191	103	11.1	*	12.1	11.2	*	*	*	3,163
Meningomyelocoele/Spina bifida . . . . .	931,191	183	19.7	25.8	20.8	16.0	17.7	*	*	3,163
Omphalocele . . . . .	931,191	230	24.8	55.3	32.9	16.0	13.1	*	*	3,163
Cleft lip/palate . . . . .	931,191	603	65.0	58.3	68.0	65.2	60.6	80.2	*	3,163
Down syndrome . . . . .	931,191	405	43.6	25.0	29.2	28.0	41.1	117.8	315.0	3,163

\* 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 obstetric procedures.

<sup>2</sup>No response reported for specific item.

<sup>3</sup>Includes races not shown.

<sup>4</sup>Excludes data for New Mexico, which did not report congenital anomalies.

<sup>5</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>6</sup>Includes all persons of Hispanic origin of any race.

**Table 26(a). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004**

State	Percent beginning care in first trimester				Percent late or no care			
	All races <sup>2</sup>	Non-Hispanic			All races <sup>2</sup>	Non-Hispanic		
		White <sup>3</sup>	Black <sup>3</sup>	Hispanic <sup>4</sup>		White <sup>3</sup>	Black <sup>3</sup>	Hispanic <sup>4</sup>
Total of reporting area . . . . .	72.9	78.0	58.9	56.5	6.2	4.5	11.4	11.0
Idaho . . . . .	71.6	74.9	70.6	55.6	5.7	4.5	*	11.0
Kentucky . . . . .	74.5	76.0	68.6	56.4	5.4	4.8	8.9	11.0
New York (excluding New York City) . . . . .	77.2	82.3	61.3	61.0	4.4	3.1	9.6	7.3
Pennsylvania. . . . .	73.2	78.4	55.9	56.4	6.7	5.1	12.7	10.8
South Carolina . . . . .	68.0	75.5	60.1	46.8	7.5	5.0	10.0	15.6
Tennessee . . . . .	69.8	76.8	54.2	40.8	8.2	5.1	14.5	23.8
Washington . . . . .	71.4	75.1	66.0	61.0	6.1	4.8	8.8	8.9

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

<sup>1</sup>Care beginning in third 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All of the states shown in this table reported multiple-race data for 2004. These multiple-race data were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

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

NOTE: Excludes data for Florida and New Hampshire, which implemented the 2003 Revision of the U.S. Certificate of Live Birth after January 1, 2004. Also excludes the 41 states, New York City, and the District of Columbia for which data are based on the 1989 Revision of the U.S. Certificate of Live Birth; see "Technical Notes." Prenatal care data based on the 1989 Revision of the U.S. Certificate of Live Birth are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

**Table 26(b). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: 41 states, New York City, and the District of Columbia, 2004**

[By place of residence]

State	Percent beginning care in first trimester				Percent late <sup>1</sup> or no care			
	All races <sup>2</sup>	Non-Hispanic			All races <sup>2</sup>	Non-Hispanic		
		White <sup>3</sup>	Black <sup>3</sup>	Hispanic <sup>4</sup>		White <sup>3</sup>	Black <sup>3</sup>	Hispanic <sup>4</sup>
Total of reporting areas <sup>5</sup> . . . . .	83.9	88.9	76.5	77.5	3.6	2.2	5.7	5.4
Alabama . . . . .	84.0	90.1	77.2	53.4	3.7	1.7	4.5	21.2
Alaska . . . . .	80.7	85.4	85.2	78.1	4.5	3.5	*	5.7
Arizona . . . . .	76.3	87.2	77.8	67.1	7.5	3.1	6.9	11.1
Arkansas . . . . .	82.3	85.4	76.1	71.7	4.4	3.2	6.9	8.3
California . . . . .	87.1	90.7	83.5	85.0	2.6	1.9	3.5	3.1
Colorado . . . . .	80.2	86.2	72.0	69.7	4.5	2.8	6.8	7.3
Connecticut . . . . .	87.2	92.3	77.4	75.6	1.9	1.2	4.5	3.1
Delaware . . . . .	85.1	90.0	81.7	69.5	3.6	2.0	4.3	9.9
District of Columbia . . . . .	77.8	91.8	72.8	68.6	6.0	2.2	8.0	5.9
Georgia . . . . .	83.9	90.3	79.4	70.6	4.0	2.3	5.0	8.6
Hawaii . . . . .	81.8	85.2	87.4	80.2	3.7	3.0	*	3.0
Illinois . . . . .	85.5	90.8	74.2	80.3	2.7	1.5	6.3	3.1
Indiana . . . . .	80.8	84.3	68.5	62.6	4.0	2.9	7.6	8.9
Iowa . . . . .	88.4	90.0	76.3	76.6	2.2	1.9	5.3	4.4
Kansas . . . . .	86.5	89.8	78.3	72.7	2.6	1.8	4.8	5.8
Louisiana . . . . .	85.5	91.5	77.4	84.3	2.9	1.4	5.0	3.1
Maine . . . . .	88.5	88.9	80.2	77.8	1.6	1.6	*	*
Maryland . . . . .	82.3	90.2	74.7	64.1	3.9	1.9	6.4	7.2
Massachusetts . . . . .	89.6	92.2	80.4	82.3	2.2	1.5	5.5	3.6
Michigan . . . . .	85.9	89.8	71.9	78.6	3.0	2.0	7.1	4.4
Minnesota . . . . .	86.3	90.4	74.0	69.9	2.3	1.4	5.2	5.2
Mississippi . . . . .	84.4	90.6	77.6	77.6	2.7	1.4	4.0	7.4
Missouri . . . . .	88.2	90.2	80.4	80.0	2.3	1.8	4.8	3.3
Montana . . . . .	83.2	86.4	93.6	80.2	2.9	1.9	*	*
Nebraska . . . . .	82.9	86.0	72.5	70.9	3.3	2.5	5.8	6.5
Nevada . . . . .	75.0	83.8	68.8	64.6	7.3	4.3	10.6	10.5
New Jersey . . . . .	79.1	88.4	63.3	66.5	4.7	2.3	10.6	6.9
New Mexico . . . . .	69.4	76.5	66.9	67.6	8.3	5.5	7.1	9.1
New York City . . . . .	79.9	88.3	74.1	78.1	4.9	2.1	7.6	5.4
North Carolina . . . . .	84.0	90.4	76.5	69.9	2.9	1.5	4.7	5.6
North Dakota . . . . .	85.7	88.7	81.1	78.8	2.8	1.9	*	*
Ohio . . . . .	87.8	89.9	78.6	79.0	2.4	1.9	4.9	4.2
Oklahoma . . . . .	78.1	82.3	72.2	64.6	4.7	3.7	6.4	7.2
Oregon . . . . .	80.5	84.0	73.6	69.3	4.1	3.3	6.8	6.2
Rhode Island . . . . .	90.0	92.5	82.4	87.5	1.5	1.0	3.3	2.1
South Dakota . . . . .	77.9	83.4	63.6	63.2	4.0	1.9	*	9.6
Texas . . . . .	81.8	88.2	78.4	77.3	4.5	2.6	5.3	5.9
Utah . . . . .	80.0	83.7	60.5	64.6	4.5	3.4	17.3	8.5
Vermont . . . . .	90.0	90.4	71.7	76.8	1.5	1.4	*	*
Virginia . . . . .	85.6	90.5	79.0	71.8	3.4	1.9	5.0	7.3
West Virginia . . . . .	86.0	86.4	76.2	77.2	2.1	2.0	5.3	*
Wisconsin . . . . .	85.3	88.7	76.9	72.0	2.9	2.3	5.1	5.1
Wyoming . . . . .	85.2	87.0	83.3	79.3	3.1	2.6	*	4.2
Puerto Rico . . . . .	83.4	---	---	---	2.4	---	---	---
Virgin Islands . . . . .	64.0	77.1	62.6	60.7	9.1	*	8.0	13.8
Guam . . . . .	60.4	86.0	74.1	74.5	13.5	*	*	*
American Samoa . . . . .	---	---	---	---	---	---	---	---
Northern Marianas . . . . .	33.3	---	---	---	27.6	---	---	---

<sup>1</sup> Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.<sup>2</sup> Data not available.<sup>3</sup> Care beginning in 3d trimester.<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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004; six of these states are shown in this table. The multiple-race data for these states are bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>6</sup> Includes all persons of Hispanic origin of any race.<sup>7</sup> Excludes data for the territories.

NOTE: Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which implemented the 2003 Revision of the U.S. Certificate of Live Birth; see "Technical Notes." Prenatal care data based on the 2003 Revision of the U.S. Certificate of Live Birth are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

**Table 27. Number of live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2004**

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			
<b>All races<sup>1</sup></b>										
Total . . . . .	4,112,052	3,757,438	3,571,457	185,981	325,899	308,113	17,786	19,711	9,004	
In hospital <sup>2</sup> . . . . .	4,075,709	3,753,571	3,568,141	185,430	302,856	298,603	4,253	10,868	8,414	
Not in hospital . . . . .	35,578	3,669	3,127	542	22,662	9,483	13,179	8,681	566	
Freestanding birthing center . . . . .	9,620	867	584	283	8,567	5,645	2,922	176	10	
Clinic or doctor's office . . . . .	469	245	231	14	129	74	55	94	1	
Residence. . . . .	23,150	1,972	1,752	220	13,571	3,591	9,980	7,213	394	
Other . . . . .	2,339	585	560	25	395	173	222	1,198	161	
Not specified . . . . .	765	198	189	9	381	27	354	162	24	
<b>Non-Hispanic white<sup>3</sup></b>										
Total . . . . .	2,296,683	2,104,840	1,981,228	123,612	174,145	160,027	14,118	11,521	6,177	
In hospital <sup>2</sup> . . . . .	2,268,513	2,102,336	1,979,223	123,113	154,712	152,196	2,516	5,536	5,929	
Not in hospital . . . . .	27,525	2,352	1,862	490	19,069	7,811	11,258	5,861	243	
Freestanding birthing center . . . . .	7,625	831	549	282	6,642	4,501	2,141	143	9	
Clinic or doctor's office . . . . .	326	182	174	8	91	52	39	53	—	
Residence. . . . .	18,286	1,112	924	188	12,019	3,145	8,874	4,960	195	
Other . . . . .	1,288	227	215	12	317	113	204	705	39	
Not specified . . . . .	645	152	143	9	364	20	344	124	5	
<b>Non-Hispanic black<sup>3</sup></b>										
Total . . . . .	578,772	534,069	516,143	17,926	40,615	39,809	806	2,603	1,485	
In hospital <sup>2</sup> . . . . .	576,122	533,330	515,426	17,904	39,969	39,401	568	1,470	1,353	
Not in hospital . . . . .	2,594	715	693	22	636	402	234	1,112	131	
Freestanding birthing center . . . . .	378	8	8	—	361	251	110	8	1	
Clinic or doctor's office . . . . .	20	14	13	1	6	4	2	—	—	
Residence. . . . .	1,737	497	484	13	246	127	119	915	79	
Other . . . . .	459	196	188	8	23	20	3	189	51	
Not specified . . . . .	56	24	24	—	10	6	4	21	1	
<b>Hispanic<sup>4</sup></b>										
Total . . . . .	946,349	854,335	819,370	34,965	87,136	85,030	2,106	4,102	776	
In hospital <sup>2</sup> . . . . .	942,741	853,956	819,013	34,943	85,051	84,188	863	3,060	674	
Not in hospital . . . . .	3,589	373	351	22	2,083	842	1,241	1,032	101	
Freestanding birthing center . . . . .	1,314	24	23	1	1,273	673	600	17	—	
Clinic or doctor's office . . . . .	46	18	15	3	19	9	10	9	—	
Residence. . . . .	1,827	220	206	14	756	133	623	785	66	
Other . . . . .	402	111	107	4	35	27	8	221	35	
Not specified . . . . .	19	6	6	—	2	—	2	10	1	

— 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>4</sup>Includes all persons of Hispanic origin of any race.

**Table 28. 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, 1989–2004**

Year and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean <sup>5</sup>	
	Vaginal			Cesarean				Not stated	Total <sup>3</sup>	Primary <sup>4</sup>	
	All births	Total <sup>1</sup>	After previous cesarean	Total <sup>2</sup>	Primary	Repeat					
<b>All races<sup>6</sup></b>											
2004	4,112,052	2,903,341	45,838	1,190,210	740,296	449,846	18,501	29.1	20.6	9.2	
2003	4,089,950	2,949,853	51,602	1,119,388	684,484	434,699	20,709	27.5	19.1	10.6	
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>7,11</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>8,12</sup>	3,798,734	2,793,463	71,019	826,955	521,873	305,082	178,316	22.8	16.1	18.9	
<b>Non-Hispanic white<sup>9</sup></b>											
2004	2,296,683	1,617,994	24,776	667,836	425,558	242,226	10,853	29.2	21.1	9.3	
2003	2,321,904	1,671,414	28,751	637,482	398,368	238,990	13,008	27.6	19.5	10.7	
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>10</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>10</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>7,11</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>8,12</sup>	2,526,367	1,806,753	47,559	556,585	349,858	206,727	163,029	23.6	16.6	18.7	
<b>Non-Hispanic black<sup>9</sup></b>											
2004	578,772	397,877	7,308	178,461	113,202	65,248	2,434	31.0	22.5	10.1	
2003	576,033	405,671	8,109	167,506	103,694	63,802	2,856	29.2	20.7	11.3	
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>10</sup>	657,450	502,669	14,950	143,153	91,086	52,067	11,628	22.2	15.7	22.3	
1991 <sup>10</sup>	666,758	507,522	13,847	142,417	90,664	51,753	16,819	21.9	15.5	21.1	
1990 <sup>7,11</sup>	661,701	503,720	13,157	142,838	91,175	51,663	15,143	22.1	15.7	20.3	
1989 <sup>8,12</sup>	611,269	440,310	10,726	125,290	81,177	44,113	45,669	22.2	15.9	19.6	

See footnotes at end of table.

**Table 28. 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, 1989–2004—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>5</sup>	
	Vaginal			Cesarean			Not stated	Total <sup>3</sup>	Primary <sup>4</sup>	
	All births	Total <sup>1</sup>	After previous cesarean	Total <sup>2</sup>	Primary	Repeat				
<b>Hispanic<sup>13</sup></b>										
2004 . . . . .	946,349	679,118	10,418	263,454	148,667	114,785	3,777	28.0	18.2	8.3
2003 . . . . .	912,329	667,656	11,153	241,159	134,231	106,912	3,514	26.5	17.0	9.4
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>10</sup> . . . . .	643,271	494,338	13,111	133,369	81,211	52,158	15,564	21.2	14.4	20.1
1991 <sup>10</sup> . . . . .	623,085	472,126	11,615	129,752	80,228	49,524	21,207	21.6	14.8	19.0
1990 <sup>7,11</sup> . . . . .	595,073	458,242	10,395	122,969	76,027	46,942	13,862	21.2	14.5	18.1
1989 <sup>8,12</sup> . . . . .	532,249	385,462	8,549	105,268	64,905	40,363	41,519	21.5	14.7	17.5

<sup>1</sup>For 2003 and 2004 includes unknown type of vaginal delivery; see "Technical Notes."<sup>2</sup>For 2003 and 2004 includes unknown type of cesarean delivery; see "Technical Notes."<sup>3</sup>Percent of all live births by cesarean delivery.<sup>4</sup>Number of primary cesareans per 100 live births to women who have not had a previous cesarean.<sup>5</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>6</sup>Includes races other than white and black and origin not stated.<sup>7</sup>Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.<sup>8</sup>Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.<sup>9</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>10</sup>Excludes data for New Hampshire, which did not report Hispanic origin.<sup>11</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>12</sup>Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.<sup>13</sup>Includes all persons of Hispanic origin of any race.

**Table 29. 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, 2004**

Age and race and Hispanic origin of mother	Births by method of delivery						Cesarean delivery rate			Rate of vaginal birth after previous cesarean <sup>5</sup>	
	Vaginal			Cesarean			Not stated	Total <sup>3</sup>	Primary <sup>4</sup>		
	All births	Total <sup>1</sup>	After previous cesarean	Total <sup>2</sup>	Primary	Repeat					
All races <sup>6</sup> . . . . .	4,112,052	2,903,341	45,838	1,190,210	740,316	449,846	18,501	29.1	20.6	9.2	
Under 20 years . . . . .	422,043	334,480	1,016	86,042	75,344	10,689	1,521	20.5	18.4	8.7	
20–24 years . . . . .	1,034,454	780,452	7,894	249,867	167,633	82,216	4,135	24.3	17.8	8.8	
25–29 years . . . . .	1,104,485	793,450	12,707	306,069	188,096	117,964	4,966	27.8	19.4	9.7	
30–34 years . . . . .	965,663	643,434	13,896	317,542	181,453	136,082	4,687	33.0	22.4	9.3	
35–39 years . . . . .	475,606	290,945	8,393	182,160	99,409	82,747	2,501	38.5	26.0	9.2	
40–54 years . . . . .	109,801	60,580	1,932	48,530	28,381	20,148	691	44.5	32.6	8.8	
Non-Hispanic white <sup>7</sup> . . . . .	2,296,683	1,617,994	24,776	667,836	425,576	242,226	10,853	29.2	21.1	9.3	
Under 20 years . . . . .	170,272	134,749	265	34,839	31,316	3,518	684	20.5	18.9	7.0	
20–24 years . . . . .	517,148	391,486	3,134	123,470	86,377	37,079	2,192	24.0	18.2	7.8	
25–29 years . . . . .	631,726	457,120	6,252	171,666	111,704	59,956	2,940	27.3	19.9	9.4	
30–34 years . . . . .	604,040	406,347	8,343	194,671	115,033	79,633	3,022	32.4	22.4	9.5	
35–39 years . . . . .	304,085	189,135	5,474	113,346	63,212	50,131	1,604	37.5	25.6	9.8	
40–54 years . . . . .	69,412	39,157	1,308	29,844	17,934	11,909	411	43.3	32.2	9.9	
Non-Hispanic black <sup>7</sup> . . . . .	578,772	397,877	7,308	178,461	113,202	65,248	2,434	31.0	22.5	10.1	
Under 20 years . . . . .	100,019	77,119	340	22,568	19,620	2,944	332	22.6	20.4	10.4	
20–24 years . . . . .	188,761	136,355	1,898	51,703	33,736	17,963	703	27.5	20.1	9.6	
25–29 years . . . . .	138,093	94,209	2,257	43,261	25,140	18,118	623	31.5	21.5	11.1	
30–34 years . . . . .	92,646	57,656	1,625	34,546	19,702	14,844	444	37.5	26.0	9.9	
35–39 years . . . . .	46,945	26,300	977	20,387	11,451	8,936	258	43.7	31.1	9.9	
40–54 years . . . . .	12,308	6,238	211	5,996	3,553	2,443	74	49.0	37.1	8.0	
Hispanic <sup>8</sup> . . . . .	946,349	679,118	10,418	263,454	148,667	114,785	3,777	28.0	18.2	8.3	
Under 20 years . . . . .	135,400	109,043	369	25,922	22,009	3,913	435	19.2	16.8	8.6	
20–24 years . . . . .	279,746	213,943	2,478	64,797	40,437	24,360	1,006	23.2	16.1	9.2	
25–29 years . . . . .	254,358	182,305	3,356	71,011	36,893	34,118	1,042	28.0	17.1	9.0	
30–34 years . . . . .	177,762	116,054	2,708	60,909	29,338	31,570	799	34.4	20.6	7.9	
35–39 years . . . . .	81,021	48,091	1,249	32,545	15,708	16,836	385	40.4	25.1	6.9	
40–54 years . . . . .	18,062	9,682	258	8,270	4,282	3,988	110	46.1	31.2	6.1	

<sup>1</sup>Includes unknown type of vaginal delivery; see "Technical Notes."<sup>2</sup>Includes unknown type of cesarean delivery; see "Technical Notes."<sup>3</sup>Percent of all live births by cesarean delivery.<sup>4</sup>Number of primary cesareans per 100 live births to women who have not had a previous cesarean.<sup>5</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>6</sup>Includes races other than white and black and origin not stated.<sup>7</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>8</sup>Includes all persons of Hispanic origin of any race.

**Table 30. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2004**

[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>	Non-Hispanic			All races <sup>3</sup>	Non-Hispanic		
		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>
United States <sup>6</sup> .....	29.1	29.2	31.0	28.0	9.2	9.3	10.1	8.3
Alabama .....	31.3	31.8	31.9	24.2	5.8	5.8	5.2	8.5
Alaska .....	20.9	23.2	24.7	21.9	19.2	12.8	*	*
Arizona .....	23.3	25.5	26.2	21.6	7.4	7.2	*	6.0
Arkansas .....	31.0	31.4	33.2	24.9	8.3	6.8	7.9	18.4
California .....	29.3	29.9	33.5	28.6	5.4	5.8	5.7	5.0
Colorado .....	23.8	24.7	25.0	21.9	13.0	12.1	16.0	13.6
Connecticut .....	30.1	30.8	31.8	27.1	9.8	9.2	10.8	10.4
Delaware .....	30.3	31.0	31.3	26.1	11.3	10.4	10.6	14.5
District of Columbia .....	30.2	31.5	30.9	25.1	7.0	*	7.3	*
Florida .....	33.2	32.0	32.9	35.7	7.2	7.3	8.9	5.6
Georgia .....	29.2	30.0	30.5	23.5	7.1	6.6	6.4	9.5
Hawaii .....	24.2	23.5	23.4	24.7	13.5	14.4	*	10.1
Idaho .....	22.2	21.9	27.8	23.3	18.7	18.1	*	20.8
Illinois .....	27.5	28.4	27.8	25.0	11.3	10.6	11.5	12.1
Indiana .....	27.0	26.9	28.6	25.9	8.2	7.9	8.5	10.2
Iowa .....	26.3	26.3	27.4	26.7	9.9	9.7	11.1	10.1
Kansas .....	28.1	28.4	30.3	25.4	7.1	7.1	*	7.4
Kentucky .....	32.1	32.4	30.3	28.2	9.1	8.4	13.4	15.9
Louisiana .....	32.2	33.1	31.0	33.4	4.2	2.9	5.9	*
Maine .....	27.7	27.6	24.0	31.8	6.4	6.5	*	*
Maryland .....	30.4	29.9	32.8	25.8	12.1	11.8	11.9	13.0
Massachusetts .....	30.9	31.8	32.2	26.7	11.0	9.9	12.0	14.4
Michigan .....	27.9	28.0	28.2	25.9	9.5	9.3	9.5	11.7
Minnesota .....	24.3	25.2	25.0	22.0	11.6	9.6	20.4	17.6
Mississippi .....	33.1	34.0	32.7	24.6	5.2	4.2	5.8	*
Missouri .....	28.9	29.2	28.3	25.5	10.1	9.5	11.7	12.3
Montana .....	25.6	24.6	*	30.9	11.8	13.3	*	*
Nebraska .....	29.1	30.0	26.5	26.0	7.8	7.1	11.8	10.2
Nevada .....	29.4	31.4	33.6	25.3	6.3	5.2	5.1	8.4
New Hampshire .....	27.0	27.2	27.5	29.1	11.2	11.3	*	*
New Jersey .....	34.9	35.4	35.6	33.7	11.4	10.8	16.3	9.8
New Mexico .....	21.3	23.0	23.8	21.4	15.8	14.0	*	14.5
New York .....	30.5	31.2	31.9	29.4	14.5	14.3	15.2	14.3
North Carolina .....	28.4	29.3	30.1	22.4	9.9	8.2	10.5	15.1
North Dakota .....	25.2	25.0	26.7	27.4	11.3	11.6	*	*
Ohio .....	26.9	26.8	27.5	26.3	11.5	10.8	14.8	11.2
Oklahoma .....	30.9	31.4	32.2	27.2	5.1	4.8	4.4	6.6
Oregon .....	26.5	26.7	32.2	24.9	11.2	9.4	*	16.5
Pennsylvania .....	27.6	27.9	27.5	25.7	17.7	16.3	24.2	17.8
Rhode Island .....	28.8	31.1	26.8	25.8	11.6	10.2	19.0	14.0
South Carolina .....	31.5	31.8	32.2	27.0	11.5	9.4	13.0	16.9
South Dakota .....	25.5	25.7	25.4	22.3	15.0	15.3	*	*
Tennessee .....	30.2	31.0	29.3	25.5	12.5	10.5	18.4	15.0
Texas .....	31.4	32.6	34.4	29.9	5.8	4.8	5.0	6.5
Utah .....	20.4	19.7	20.9	23.9	19.2	19.1	*	19.7
Vermont .....	24.1	24.1	*	*	18.3	17.8	*	*
Virginia .....	30.3	30.2	31.1	27.3	7.8	7.6	8.9	7.2
Washington .....	27.3	27.2	32.9	25.7	14.4	13.8	13.2	16.9
West Virginia .....	33.3	33.3	32.6	31.1	6.3	6.4	*	*
Wisconsin .....	22.7	23.3	20.5	21.3	13.7	13.2	17.0	13.7
Wyoming .....	24.4	23.7	*	28.4	8.8	9.3	*	*

See footnotes at end of table.

**Table 30. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2004—Con.**

[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>	Non-Hispanic			All races <sup>3</sup>	Non-Hispanic		
		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>
Puerto Rico . . . . .	47.7	*	--	*	--	--	*	*
Virgin Islands . . . . .	25.1	29.1	24.2	26.7	22.6	*	22.0	*
Guam. . . . .	27.0	25.1	*	*	12.1	*	*	*
American Samoa . . . . .	--	--	--	--	--	--	--	--
Northern Marianas . . . . .	21.1	*	--	*	--	--	*	*

<sup>1</sup> Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.<sup>2</sup> Data not available.<sup>3</sup> Percent of all live births by cesarean delivery.<sup>4</sup> Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>5</sup> Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>5</sup>Includes all persons of Hispanic origin of any race.<sup>6</sup>Excludes data for the territories.

NOTE: Data for states which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth in 2003 or 2004 show higher-than-expected VBAC rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard Certificate of Live Birth. Changes in VBAC deliveries for states which have implemented the revised certificates should be interpreted with caution; see "Technical Notes."

**Table 31. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2004**

Birthweight <sup>1</sup> and race and Hispanic origin of mother	All births	Period of gestation <sup>2</sup>										
		Preterm					Term					Postterm
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total weeks	37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over
Number												
All races <sup>3</sup> . . . . .	4,112,052	508,356	30,670	50,975	238,531	188,180	3,308,179	2,130,486	800,506	377,187	252,543	42,974
Less than 500 grams . . . . .	6,282	6,077	5,833	226	16	2	16	11	1	4	5	184
500–999 grams . . . . .	23,433	22,770	16,895	5,239	594	42	206	137	38	31	31	426
1,000–1,499 grams . . . . .	30,925	28,678	3,992	16,643	7,492	551	1,548	1,105	274	169	239	460
1,500–1,999 grams . . . . .	65,691	54,845	960	12,511	35,863	5,511	9,202	7,577	1,076	549	822	822
2,000–2,499 grams . . . . .	205,441	107,375	604	4,461	69,709	32,601	90,703	76,014	10,134	4,555	5,058	2,305
2,500–2,999 grams . . . . .	729,675	136,253	1,043	4,279	61,056	69,875	552,206	425,101	89,843	37,262	33,643	7,573
3,000–3,499 grams . . . . .	1,573,189	101,935	—	5,034	41,626	55,275	1,356,914	904,398	314,963	137,553	98,438	15,902
3,500–3,999 grams . . . . .	1,124,630	39,463	—	2,438	17,495	19,530	990,267	563,402	286,500	140,365	83,773	11,127
4,000–4,499 grams . . . . .	299,081	7,708	—	—	3,758	3,950	262,732	131,238	83,748	47,746	25,617	3,024
4,500–4,999 grams . . . . .	44,889	1,191	—	—	549	642	38,885	18,481	12,432	7,972	4,332	481
5,000 grams or more . . . . .	5,007	183	—	—	93	90	4,265	2,278	1,150	837	466	93
Not stated . . . . .	3,809	1,878	1,343	144	280	111	1,235	744	347	144	119	577
Percent												
Very low birthweight <sup>4</sup> . . . . .	1.5	11.4	91.1	43.5	3.4	0.3	0.1	0.1	0.0	0.1	0.1	2.5
Low birthweight <sup>5</sup> . . . . .	8.1	43.4	96.4	76.9	47.7	20.6	3.1	4.0	1.4	1.4	2.4	9.9
Number												
Non-Hispanic white <sup>6</sup> . . . . .	2,296,683	262,643	12,655	24,590	122,586	102,812	1,883,739	1,211,397	456,217	216,125	138,455	11,844
Less than 500 grams . . . . .	2,404	2,357	2,258	92	6	1	11	8	1	2	2	34
500–999 grams . . . . .	9,988	9,778	7,004	2,482	275	17	100	64	17	19	14	96
1,000–1,499 grams . . . . .	15,136	14,212	1,773	8,381	3,782	276	688	488	130	70	108	128
1,500–1,999 grams . . . . .	33,891	28,866	370	6,653	18,990	2,853	4,394	3,622	495	277	381	250
2,000–2,499 grams . . . . .	103,852	57,548	258	1,935	38,216	17,139	43,281	36,543	4,609	2,129	2,402	621
2,500–2,999 grams . . . . .	360,878	72,726	408	1,644	32,178	38,496	270,410	211,571	41,475	17,364	15,859	1,883
3,000–3,499 grams . . . . .	852,959	51,793	—	2,116	18,813	30,864	745,882	504,508	168,271	73,103	51,107	4,176
3,500–3,999 grams . . . . .	686,535	19,896	—	1,216	8,085	10,595	614,242	352,840	176,025	85,377	49,114	3,282
4,000–4,499 grams . . . . .	196,457	3,910	—	—	1,793	2,117	175,300	87,763	55,847	31,690	16,239	1,008
4,500–4,999 grams . . . . .	29,782	599	—	—	264	335	26,164	12,267	8,433	5,464	2,856	163
5,000 grams or more . . . . .	3,027	82	—	—	33	49	2,622	1,325	746	551	299	24
Not stated . . . . .	1,774	876	584	71	151	70	645	398	167	79	74	179
Percent												
Very low birthweight <sup>4</sup> . . . . .	1.2	10.1	91.4	44.7	3.3	0.3	0.0	0.0	0.0	0.0	0.1	2.2
Low birthweight <sup>5</sup> . . . . .	7.2	43.1	96.6	79.7	50.0	19.7	2.6	3.4	1.2	1.2	2.1	9.7
Number												
Non-Hispanic black <sup>6</sup> . . . . .	578,772	102,967	10,444	12,848	47,158	32,517	438,385	292,300	100,286	45,799	33,564	3,856
Less than 500 grams . . . . .	2,388	2,337	2,249	82	5	1	—	—	—	—	3	48
500–999 grams . . . . .	7,632	7,504	5,785	1,548	158	13	38	24	10	4	10	80
1,000–1,499 grams . . . . .	8,171	7,632	1,122	4,467	1,908	135	401	298	60	43	66	72
1,500–1,999 grams . . . . .	15,280	12,668	323	2,818	8,257	1,270	2,280	1,884	264	132	172	160
2,000–2,499 grams . . . . .	45,907	22,705	184	1,189	14,239	7,093	21,611	17,928	2,569	1,114	1,213	378
2,500–2,999 grams . . . . .	141,219	25,631	321	1,224	11,574	12,512	107,803	82,329	18,133	7,341	6,921	864
3,000–3,499 grams . . . . .	220,105	17,125	—	1,129	7,682	8,314	187,156	123,452	44,351	19,353	14,531	1,293
3,500–3,999 grams . . . . .	110,479	5,633	—	360	2,654	2,619	95,765	54,409	27,622	13,734	8,388	693
4,000–4,499 grams . . . . .	22,980	981	—	—	531	450	19,916	10,140	6,291	3,485	1,936	147
4,500–4,999 grams . . . . .	3,249	154	—	—	74	80	2,805	1,482	819	504	267	23
5,000 grams or more . . . . .	460	33	—	—	20	13	384	237	87	60	35	8
Not stated . . . . .	902	564	460	31	56	17	226	117	80	29	22	90
Percent												
Very low birthweight <sup>4</sup> . . . . .	3.1	17.1	91.7	47.6	4.4	0.5	0.1	0.1	0.1	0.1	0.2	5.3
Low birthweight <sup>5</sup> . . . . .	13.7	51.6	96.8	78.8	52.2	26.2	5.6	6.9	2.9	2.8	4.4	19.6

See footnotes at end of table.

**Table 31. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2004—Con.**

Birthweight <sup>1</sup> and race and Hispanic origin of mother	All births	Period of gestation <sup>2</sup>										
		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	
Hispanic <sup>7</sup> . . . . .	946,349	110,938	5,844	10,511	53,870	40,713	749,757	473,195	187,028	89,534	63,916	21,738
Less than 500 grams . . . . .	1,093	1,007	960	42	5	—	4	2	—	2	—	82
500–999 grams . . . . .	4,523	4,251	3,211	911	120	9	55	38	10	7	6	211
1,000–1,499 grams . . . . .	5,717	5,106	879	2,824	1,306	97	367	256	69	42	44	200
1,500–1,999 grams . . . . .	12,317	9,894	200	2,331	6,354	1,009	1,890	1,534	241	115	211	322
2,000–2,499 grams . . . . .	40,533	20,034	130	1,051	12,894	5,959	18,404	15,186	2,208	1,010	1,117	978
2,500–2,999 grams . . . . .	166,140	28,977	246	1,130	13,482	14,119	125,125	93,787	21,985	9,353	8,395	3,643
3,000–3,499 grams . . . . .	381,659	26,866	—	1,487	12,476	12,903	320,503	208,344	77,449	34,710	25,912	8,378
3,500–3,999 grams . . . . .	259,009	11,667	—	706	5,733	5,228	220,197	122,697	64,935	32,565	21,159	5,986
4,000–4,499 grams . . . . .	63,993	2,401	—	—	1,239	1,162	53,992	26,822	17,229	9,941	6,007	1,593
4,500–4,999 grams . . . . .	9,558	373	—	—	184	189	7,996	3,807	2,606	1,583	950	239
5,000 grams or more . . . . .	1,226	52	—	—	29	23	1,022	585	249	188	100	52
Not stated . . . . .	581	310	218	29	48	15	202	137	47	18	15	54
Percent												
Very low birthweight <sup>4</sup> . . . . .	1.2	9.4	89.8	36.0	2.7	0.3	0.1	0.1	0.0	0.1	0.1	2.3
Low birthweight <sup>5</sup> . . . . .	6.8	36.4	95.6	68.3	38.4	17.4	2.8	3.6	1.4	1.3	2.2	8.3

<sup>0</sup>0 Quantity more than zero but less than 0.05.

— Quantity zero.

<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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>7</sup>Includes all persons of Hispanic origin of any race.

**Table 32. Percentage of live births very preterm and preterm and percentage of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981–2004**

Year	Very preterm <sup>1</sup>				Preterm <sup>2</sup>			
	All races <sup>3</sup>	Non-Hispanic			All races <sup>3</sup>	Non-Hispanic		
		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>
2004	2.01	1.63	4.05	1.77	12.5	11.5	17.9	12.0
2003	1.97	1.60	3.99	1.73	12.3	11.3	17.8	11.9
2002	1.96	1.56	4.04	1.72	12.1	11.0	17.7	11.6
2001	1.95	1.55	4.05	1.69	11.9	10.8	17.6	11.4
2000	1.93	1.51	4.09	1.69	11.6	10.4	17.4	11.2
1999	1.96	1.54	4.18	1.68	11.8	10.5	17.6	11.4
1998	1.96	1.52	4.15	1.72	11.6	10.2	17.6	11.4
1997	1.94	1.49	4.19	1.68	11.4	9.9	17.6	11.2
1996	1.89	1.43	4.17	1.66	11.0	9.5	17.5	10.9
1995	1.89	1.41	4.29	1.66	11.0	9.4	17.8	10.9
1994	1.91	1.39	4.36	1.67	11.0	9.3	18.2	10.9
1993	1.93	1.39	4.45	1.67	11.0	9.1	18.6	11.0
1992 <sup>8</sup>	1.91	1.33	4.50	1.64	10.7	8.7	18.5	10.7
1991 <sup>8</sup>	1.94	1.35	4.65	1.65	10.8	8.7	19.0	11.0
1990 <sup>9</sup>	1.92	1.33	4.63	1.69	10.6	8.5	18.9	11.0
1989 <sup>10</sup>	1.95	1.34	4.68	1.76	10.6	8.4	19.0	11.1
1988	1.96	---	---	---	10.2	---	---	---
1987	1.96	---	---	---	10.2	---	---	---
1986	1.90	---	---	---	10.0	---	---	---
1985	1.88	---	---	---	9.8	---	---	---
1984	1.83	---	---	---	9.4	---	---	---
1983	1.86	---	---	---	9.6	---	---	---
1982	1.84	---	---	---	9.5	---	---	---
1981	1.81	---	---	---	9.4	---	---	---

Year	Very low birthweight <sup>6</sup>				Low birthweight <sup>7</sup>			
	All races <sup>3</sup>	Non-Hispanic			All races <sup>3</sup>	Non-Hispanic		
		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>		White <sup>4</sup>	Black <sup>4</sup>	Hispanic <sup>5</sup>
2004	1.48	1.20	3.15	1.20	8.1	7.2	13.7	6.8
2003	1.45	1.18	3.12	1.16	7.9	7.0	13.6	6.7
2002	1.46	1.17	3.15	1.17	7.8	6.9	13.4	6.5
2001	1.44	1.17	3.08	1.14	7.7	6.8	13.1	6.5
2000	1.43	1.14	3.10	1.14	7.6	6.6	13.1	6.4
1999	1.45	1.15	3.18	1.14	7.6	6.6	13.2	6.4
1998	1.45	1.15	3.11	1.15	7.6	6.6	13.2	6.4
1997	1.42	1.12	3.05	1.13	7.5	6.5	13.1	6.4
1996	1.37	1.08	3.02	1.12	7.4	6.4	13.1	6.3
1995	1.35	1.04	2.98	1.11	7.3	6.2	13.2	6.3
1994	1.33	1.01	2.99	1.08	7.3	6.1	13.3	6.2
1993	1.33	1.00	2.99	1.06	7.2	5.9	13.4	6.2
1992 <sup>8</sup>	1.29	0.94	2.97	1.04	7.1	5.7	13.4	6.1
1991 <sup>8</sup>	1.29	0.94	2.97	1.02	7.1	5.7	13.6	6.1
1990 <sup>9</sup>	1.27	0.93	2.93	1.03	7.0	5.6	13.3	6.1
1989 <sup>10</sup>	1.28	0.93	2.97	1.05	7.0	5.6	13.6	6.2
1988	1.24	---	---	---	6.9	---	---	---
1987	1.24	---	---	---	6.9	---	---	---
1986	1.21	---	---	---	6.8	---	---	---
1985	1.21	---	---	---	6.8	---	---	---
1984	1.19	---	---	---	6.7	---	---	---
1983	1.19	---	---	---	6.8	---	---	---
1982	1.18	---	---	---	6.8	---	---	---
1981	1.16	---	---	---	6.8	---	---	---

--- 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; 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 33. Number and percentage of births delivered preterm, by race and Hispanic origin of mother: United States, each State and territory, 2004**

[By place of residence. Preterm is less than 37 completed weeks of gestation]

State	Number				Percent			
	All races <sup>1</sup>	Non-Hispanic			All races <sup>1</sup>	Non-Hispanic		
		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>		White <sup>2</sup>	Black <sup>2</sup>	
United States <sup>4</sup> .....	508,356	262,643	102,967	110,938	12.5	11.5	17.9	12.0
Alabama .....	9,599	5,193	3,815	462	16.1	14.0	21.3	13.9
Alaska .....	1,084	452	39	82	10.5	8.8	13.2	9.4
Arizona .....	12,450	5,004	519	5,547	13.3	12.6	18.4	13.4
Arkansas .....	5,037	3,247	1,294	386	13.1	12.1	17.7	11.0
California .....	54,158	15,035	4,205	27,714	10.7	9.8	15.1	10.9
Colorado .....	8,429	4,761	484	2,826	12.3	11.6	17.3	13.0
Connecticut .....	4,231	2,493	697	822	10.1	9.2	14.2	10.8
Delaware .....	1,490	772	484	169	13.1	12.0	17.0	11.1
District of Columbia .....	1,141	176	799	134	14.4	8.8	17.1	13.5
Florida .....	29,287	12,461	8,558	7,297	13.4	11.9	18.2	12.5
Georgia .....	17,703	7,795	7,253	1,909	12.8	11.4	16.8	9.5
Hawaii .....	2,210	401	74	326	12.1	9.3	15.3	12.2
Idaho .....	2,477	1,994	8	350	11.0	10.9	*	10.8
Illinois .....	23,553	11,681	5,828	5,033	13.1	11.9	19.0	11.8
Indiana .....	11,483	8,586	1,779	891	13.2	12.6	18.6	12.3
Iowa .....	4,519	3,783	240	341	11.8	11.5	16.5	12.0
Kansas .....	4,667	3,353	466	634	11.8	11.5	16.9	11.6
Kentucky .....	8,026	6,744	871	304	14.4	14.1	18.4	13.8
Louisiana .....	10,165	4,393	5,345	235	15.6	12.5	20.1	12.1
Maine .....	1,475	1,379	31	11	10.6	10.5	14.3	*
Maryland .....	9,910	4,339	4,113	955	13.3	11.4	17.0	12.5
Massachusetts .....	8,829	6,011	1,051	1,144	11.3	10.8	15.7	11.6
Michigan .....	15,954	10,155	4,060	849	12.3	11.2	18.3	10.9
Minnesota .....	7,416	5,445	715	543	10.5	10.2	12.9	10.2
Mississippi .....	7,669	3,309	4,083	163	17.9	14.8	22.1	14.8
Missouri .....	10,075	7,165	2,179	479	13.0	11.9	19.3	12.5
Montana .....	1,336	1,032	9	41	11.6	11.1	*	11.0
Nebraska .....	3,110	2,320	218	396	11.8	11.8	14.2	11.5
Nevada .....	4,716	2,044	530	1,666	13.5	12.8	19.1	12.8
New Hampshire.....	1,470	1,316	28	45	10.1	10.2	14.7	9.7
New Jersey .....	14,293	6,672	3,026	3,479	12.4	11.1	17.9	12.7
New Mexico .....	3,567	1,026	81	1,916	12.6	11.6	18.0	12.7
New York .....	29,271	13,179	6,952	6,921	11.7	10.3	16.4	12.2
North Carolina .....	16,171	8,507	4,996	2,062	13.5	12.1	18.2	11.9
North Dakota .....	1,017	801	12	22	12.4	12.1	*	13.3
Ohio .....	18,639	13,520	3,933	703	12.5	11.6	17.5	12.3
Oklahoma .....	6,499	4,247	764	678	12.7	12.4	16.6	11.3
Oregon .....	4,622	3,251	136	868	10.1	10.0	13.3	9.8
Pennsylvania .....	16,928	11,400	3,188	1,537	11.8	10.7	16.9	13.4
Rhode Island .....	1,508	739	156	332	11.8	10.7	15.5	13.7
South Carolina .....	8,752	4,306	3,785	526	15.5	13.1	20.7	12.1
South Dakota .....	1,270	931	11	33	11.2	10.5	*	8.4
Tennessee .....	11,494	7,685	2,943	660	14.5	13.7	18.9	11.4
Texas .....	52,098	17,533	7,821	25,007	13.7	12.9	18.9	13.3
Utah .....	5,492	4,267	66	858	10.8	10.5	17.0	12.0
Vermont .....	549	509	11	4	8.3	8.1	*	*
Virginia .....	12,572	6,908	3,651	1,283	12.1	11.0	16.4	11.0
Washington .....	8,393	5,259	420	1,545	10.3	9.9	13.6	10.9
West Virginia .....	2,915	2,754	114	20	14.0	13.9	17.1	13.2
Wisconsin .....	7,847	5,687	1,121	635	11.2	10.5	17.2	10.8
Wyoming .....	790	623	5	95	11.6	11.0	*	13.6
Puerto Rico .....	9,119	---	---	---	17.8	---	---	---
Virgin Islands .....	257	11	175	56	16.3	*	17.3	16.0
Guam .....	552	18	2	3	16.2	*	*	*
American Samoa .....	---	---	---	---	---	---	---	---
Northern Marianas .....	166	---	---	---	12.3	---	---	---

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

--- 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." <sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 34. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2004**

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 . . . . .	331,772	8.1	4,112,052	6,282	23,433	30,925	65,691	205,441	729,675	1,573,189	1,124,630	299,081	44,889	5,007	3,809
Under 15 years . . . . .	921	13.6	6,781	30	105	112	158	516	1,742	2,752	1,195	155	10	—	6
15–19 years . . . . .	41,025	9.9	415,262	813	3,098	3,670	7,576	25,868	94,570	169,643	90,246	17,325	1,886	184	383
15 years . . . . .	2,124	11.6	18,274	60	191	219	382	1,272	4,429	7,555	3,507	579	52	5	23
16 years . . . . .	4,476	10.7	41,860	100	409	432	842	2,693	10,185	17,117	8,497	1,397	125	19	44
17 years . . . . .	7,488	10.1	73,846	135	557	665	1,381	4,750	17,232	30,488	15,446	2,809	294	26	63
18 years . . . . .	11,561	9.9	117,237	223	887	1,059	2,120	7,272	26,837	47,919	25,374	4,882	513	42	109
19 years . . . . .	15,376	9.4	164,045	295	1,054	1,295	2,851	9,881	35,887	66,564	37,422	7,658	902	92	144
20–24 years . . . . .	83,790	8.1	1,034,454	1,548	5,771	7,474	15,472	53,525	204,413	413,887	261,656	60,949	7,963	804	992
25–29 years . . . . .	80,172	7.3	1,104,485	1,562	5,612	7,237	15,561	50,200	185,398	424,814	314,761	84,412	12,535	1,360	1,033
30–34 years . . . . .	72,031	7.5	965,663	1,321	5,078	6,871	15,035	43,726	149,798	356,205	287,803	84,037	13,413	1,562	814
35–39 years . . . . .	41,331	8.7	475,606	775	2,873	4,271	8,987	24,425	74,915	168,334	139,334	43,009	7,349	868	466
40–44 years . . . . .	11,209	10.8	103,679	218	814	1,149	2,545	6,483	17,643	35,743	28,321	8,779	1,659	219	106
45–54 years . . . . .	1,293	21.2	6,122	15	82	141	357	698	1,196	1,811	1,314	415	74	10	9
<b>Non-Hispanic white<sup>4</sup></b>															
All ages . . . . .	165,271	7.2	2,296,683	2,404	9,988	15,136	33,891	103,852	360,878	852,959	686,535	196,457	29,782	3,027	1,774
Under 15 years . . . . .	183	12.4	1,477	8	17	22	34	102	317	595	322	55	3	—	2
15–19 years . . . . .	15,013	8.9	168,795	257	1,091	1,396	2,793	9,476	34,207	67,687	41,490	9,113	1,053	88	144
15 years . . . . .	509	10.4	4,908	14	50	48	93	304	1,015	1,978	1,148	223	27	1	7
16 years . . . . .	1,303	10.0	13,055	42	121	130	252	758	2,777	5,211	3,077	611	54	6	16
17 years . . . . .	2,512	9.2	27,258	38	198	245	466	1,565	5,635	11,003	6,563	1,359	159	5	22
18 years . . . . .	4,360	9.0	48,740	73	324	417	825	2,721	10,046	19,594	11,842	2,560	283	20	35
19 years . . . . .	6,329	8.5	74,834	90	398	556	1,157	4,128	14,734	29,901	18,860	4,360	530	56	64
20–24 years . . . . .	37,135	7.2	517,148	511	2,212	3,271	7,005	24,136	92,472	202,622	143,464	35,772	4,795	450	438
25–29 years . . . . .	41,102	6.5	631,726	600	2,439	3,651	8,230	26,182	95,096	237,038	193,841	55,150	8,218	804	477
30–34 years . . . . .	40,878	6.8	604,040	557	2,397	3,767	8,781	25,376	84,135	216,481	192,624	59,165	9,352	983	422
35–39 years . . . . .	23,725	7.8	304,085	351	1,376	2,344	5,320	14,334	43,654	105,311	94,800	30,670	5,141	550	234
40–44 years . . . . .	6,383	9.8	65,389	108	402	612	1,484	3,777	10,237	22,088	19,104	6,214	1,163	147	53
45–54 years . . . . .	852	21.2	4,023	12	54	73	244	469	760	1,137	890	318	57	5	4

See footnotes at end of table.

**Table 34. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2004—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<sup>4</sup></b>															
All ages . . . . .	79,378	13.7	578,772	2,388	7,632	8,171	15,280	45,907	141,219	220,105	110,479	22,980	3,249	460	902
Under 15 years . . . . .	450	16.5	2,729	16	55	53	75	251	783	1,054	405	30	3	—	4
15–19 years . . . . .	14,037	14.4	97,290	378	1,192	1,283	2,633	8,551	27,474	38,204	14,950	2,251	213	29	132
15 years . . . . .	891	15.5	5,753	26	86	92	154	533	1,670	2,312	770	97	3	2	8
16 years . . . . .	1,602	14.3	11,240	38	150	154	304	956	3,312	4,396	1,693	199	18	5	15
17 years . . . . .	2,549	14.2	17,927	62	216	234	459	1,578	5,072	7,144	2,697	401	38	4	22
18 years . . . . .	3,950	14.8	26,778	97	345	363	753	2,392	7,581	10,474	4,024	641	61	7	40
19 years . . . . .	5,045	14.2	35,592	155	395	440	963	3,092	9,839	13,878	5,766	913	93	11	47
20–24 years . . . . .	24,867	13.2	188,761	655	2,199	2,434	4,654	14,925	48,970	73,875	33,713	6,219	761	83	273
25–29 years . . . . .	17,874	13.0	138,093	595	1,836	1,824	3,334	10,285	31,691	52,543	28,563	6,176	898	121	227
30–34 years . . . . .	12,688	13.7	92,646	454	1,402	1,432	2,569	6,831	19,623	33,806	20,310	5,120	800	131	168
35–39 years . . . . .	7,244	15.5	46,945	234	753	865	1,518	3,874	9,991	16,426	10,097	2,575	453	77	82
40–44 years . . . . .	2,075	17.8	11,676	56	188	255	458	1,118	2,565	3,987	2,318	584	114	17	16
45–54 years . . . . .	143	22.6	632	—	7	25	39	72	122	210	123	25	7	2	
<b>Hispanic<sup>5</sup></b>															
All ages . . . . .	64,183	6.8	946,349	1,093	4,523	5,717	12,317	40,533	166,140	381,659	259,009	63,993	9,558	1,226	581
Under 15 years . . . . .	270	11.5	2,356	6	31	35	46	152	593	1,014	415	60	4	—	—
15–19 years . . . . .	10,455	7.9	133,044	146	709	878	1,862	6,860	29,283	57,273	30,158	5,196	540	60	79
15 years . . . . .	654	9.4	6,969	18	47	75	122	392	1,609	3,013	1,437	229	19	2	6
16 years . . . . .	1,393	8.8	15,881	15	126	134	245	873	3,736	6,823	3,355	514	44	7	9
17 years . . . . .	2,168	8.4	25,839	31	133	169	401	1,434	5,842	11,265	5,537	912	83	16	16
18 years . . . . .	2,821	7.6	37,159	46	186	249	467	1,873	8,209	15,965	8,499	1,475	152	12	26
19 years . . . . .	3,419	7.2	47,196	36	217	251	627	2,288	9,887	20,207	11,330	2,066	242	23	22
20–24 years . . . . .	18,000	6.4	279,746	297	1,159	1,485	3,189	11,870	52,220	117,600	73,156	16,322	2,054	231	163
25–29 years . . . . .	15,311	6.0	254,358	268	1,024	1,312	2,997	9,710	41,156	101,901	73,709	18,937	2,824	359	161
30–34 years . . . . .	11,821	6.7	177,762	208	939	1,101	2,445	7,128	27,116	68,056	52,921	14,859	2,532	355	102
35–39 years . . . . .	6,450	8.0	81,021	125	501	704	1,345	3,775	12,675	29,455	23,744	7,137	1,319	180	61
40–44 years . . . . .	1,743	10.1	17,265	41	151	182	401	968	2,935	6,100	4,716	1,437	279	40	15
45–54 years . . . . .	133	16.7	797	2	9	20	32	70	162	260	190	45	6	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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>5</sup>Includes all persons of Hispanic origin of any race.

**Table 35. Number and percentage of births of low birthweight, by race and Hispanic origin of mother: United States, each state and territory, 2004**

[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>	Non-Hispanic			All races <sup>1</sup>	Non-Hispanic		
		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>
United States <sup>4</sup> .....	331,772	165,271	79,378	64,183	8.1	7.2	13.7	6.8
Alabama .....	6,201	3,167	2,708	229	10.4	8.5	15.1	6.8
Alaska .....	618	259	28	47	6.0	5.1	9.3	5.4
Arizona.....	6,710	2,875	337	2,795	7.2	7.3	12.0	6.8
Arkansas.....	3,593	2,164	1,134	212	9.3	8.1	15.5	6.0
California.....	36,454	10,265	3,770	16,769	6.7	6.3	12.4	6.1
Colorado.....	6,130	3,589	408	1,863	9.0	8.7	14.6	8.6
Connecticut .....	3,273	1,808	621	649	7.8	6.7	12.7	8.5
Delaware.....	1,023	479	393	95	9.0	7.4	13.8	6.2
District of Columbia .....	880	112	661	78	11.1	5.6	14.1	7.8
Florida .....	18,633	7,725	6,137	4,095	8.5	7.3	13.1	7.0
Georgia .....	12,930	5,096	6,018	1,215	9.3	7.4	14.0	6.0
Hawaii .....	1,442	267	49	212	7.9	6.2	10.2	7.9
Idaho .....	1,529	1,210	8	228	6.8	6.6	*	7.0
Illinois.....	15,200	7,120	4,482	2,837	8.4	7.3	14.6	6.7
Indiana.....	7,028	5,132	1,302	458	8.1	7.5	13.6	6.3
Iowa .....	2,686	2,263	161	173	7.0	6.9	11.0	6.1
Kansas.....	2,898	2,037	378	346	7.3	7.0	13.7	6.3
Kentucky.....	4,872	4,021	630	159	8.8	8.4	13.3	7.2
Louisiana.....	7,139	2,816	4,031	151	10.9	8.0	15.2	7.7
Maine.....	895	836	19	7	6.4	6.4	*	*
Maryland.....	6,947	2,817	3,195	558	9.3	7.4	13.2	7.3
Massachusetts .....	6,117	4,027	788	844	7.8	7.2	11.8	8.6
Michigan.....	10,828	6,433	3,222	497	8.3	7.1	14.5	6.4
Minnesota.....	4,604	3,201	585	336	6.5	6.0	10.5	6.3
Mississippi.....	4,956	1,951	2,853	82	11.6	8.7	15.5	7.4
Missouri.....	6,429	4,422	1,575	253	8.3	7.3	14.0	6.6
Montana .....	880	707	8	32	7.6	7.6	*	8.6
Nebraska.....	1,854	1,371	181	204	7.0	7.0	11.8	5.9
Nevada.....	2,809	1,252	386	827	8.0	7.8	13.8	6.3
New Hampshire.....	984	882	17	29	6.8	6.9	*	6.3
New Jersey .....	9,528	4,322	2,316	1,980	8.3	7.2	13.7	7.2
New Mexico .....	2,306	708	66	1,243	8.1	8.0	14.7	8.2
New York .....	20,393	8,825	5,516	4,273	8.2	6.9	13.0	7.5
North Carolina.....	10,822	5,405	3,885	1,100	9.0	7.7	14.2	6.4
North Dakota .....	539	424	9	12	6.6	6.4	*	*
Ohio .....	12,637	8,666	3,164	403	8.5	7.5	14.0	7.0
Oklahoma .....	4,117	2,676	599	398	8.0	7.8	13.0	6.6
Oregon .....	2,758	1,947	108	460	6.0	6.0	10.6	5.2
Pennsylvania .....	11,804	7,525	2,567	1,072	8.2	7.1	13.5	9.3
Rhode Island .....	1,025	504	111	201	8.0	7.3	11.0	8.3
South Carolina .....	5,761	2,599	2,791	271	10.2	7.9	15.3	6.3
South Dakota .....	784	607	8	19	6.9	6.9	*	*
Tennessee .....	7,273	4,635	2,146	346	9.2	8.2	13.8	6.0
Texas .....	30,621	10,021	5,772	13,509	8.0	7.4	13.9	7.2
Utah .....	3,379	2,574	42	548	6.7	6.3	10.8	7.6
Vermont .....	423	396	9	5	6.4	6.3	*	*
Virginia .....	8,587	4,401	2,856	753	8.3	7.0	12.8	6.4
Washington .....	5,063	3,054	342	863	6.2	5.7	11.1	6.1
West Virginia .....	1,937	1,813	96	11	9.3	9.1	14.3	*
Wisconsin .....	4,885	3,383	883	377	7.0	6.2	13.6	6.4
Wyoming .....	588	482	7	59	8.6	8.5	*	8.4
Puerto Rico .....	5,856	---	---	---	11.5	---	---	---
Virgin Islands .....	179	9	133	26	11.4	*	13.3	7.5
Guam .....	289	7	1	2	8.5	*	*	*
American Samoa .....	57	---	---	---	3.3	---	---	---
Northern Marianas .....	102	---	---	---	7.6	---	---	---

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

--- 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 36. Number and percentage of births of very low birthweight, by race and Hispanic origin of mother:  
United States, each state and territory, 2004**

[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>	Non-Hispanic			All races <sup>1</sup>	Non-Hispanic		
		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>		White <sup>2</sup>	Black <sup>2</sup>	Hispanic <sup>3</sup>
United States <sup>4</sup> .....	60,640	27,528	18,191	11,333	1.5	1.2	3.1	1.2
Alabama .....	1,168	538	572	42	2.0	1.4	3.2	1.2
Alaska .....	120	43	7	12	1.2	0.8	*	*
Arizona .....	1,077	420	76	501	1.2	1.1	2.7	1.2
Arkansas .....	671	393	216	43	1.7	1.5	2.9	1.2
California .....	6,393	1,665	824	3,020	1.2	1.0	2.7	1.1
Colorado .....	874	494	68	278	1.3	1.2	2.4	1.3
Connecticut .....	647	301	172	144	1.5	1.1	3.5	1.9
Delaware .....	181	78	87	10	1.6	1.2	3.1	*
District of Columbia .....	219	20	180	14	2.8	1.0	3.8	*
Florida .....	3,457	1,209	1,460	668	1.6	1.1	3.1	1.1
Georgia .....	2,512	847	1,333	221	1.8	1.2	3.1	1.1
Hawaii .....	242	53	14	29	1.3	1.2	*	1.1
Idaho .....	254	209	1	33	1.1	1.1	*	1.0
Illinois .....	2,982	1,359	1,011	493	1.7	1.4	3.3	1.2
Indiana .....	1,245	849	281	92	1.4	1.2	2.9	1.3
Iowa .....	499	399	47	43	1.3	1.2	3.2	1.5
Kansas .....	542	380	85	52	1.4	1.3	3.1	0.9
Kentucky .....	888	687	160	31	1.6	1.4	3.4	1.4
Louisiana .....	1,359	406	911	30	2.1	1.2	3.4	1.5
Maine .....	146	129	6	2	1.0	1.0	*	*
Maryland .....	1,486	477	845	111	2.0	1.3	3.5	1.5
Massachusetts .....	1,134	668	217	160	1.4	1.2	3.2	1.6
Michigan .....	2,101	1,161	740	102	1.6	1.3	3.3	1.3
Minnesota .....	801	516	150	59	1.1	1.0	2.7	1.1
Mississippi .....	935	322	585	16	2.2	1.4	3.2	*
Missouri .....	1,169	719	370	56	1.5	1.2	3.3	1.5
Montana .....	126	93	1	3	1.1	1.0	*	*
Nebraska .....	323	246	36	28	1.2	1.3	2.3	0.8
Nevada .....	440	175	79	139	1.3	1.1	2.8	1.1
New Hampshire.....	175	156	4	5	1.2	1.2	*	*
New Jersey .....	1,767	702	541	384	1.5	1.2	3.2	1.4
New Mexico .....	360	117	10	181	1.3	1.3	*	1.2
New York .....	3,916	1,509	1,338	836	1.6	1.2	3.2	1.5
North Carolina .....	2,268	979	989	214	1.9	1.4	3.6	1.2
North Dakota .....	109	82	3	3	1.3	1.2	*	*
Ohio .....	2,309	1,454	734	66	1.6	1.3	3.3	1.2
Oklahoma .....	670	409	129	61	1.3	1.2	2.8	1.0
Oregon .....	491	338	24	87	1.1	1.0	2.3	1.0
Pennsylvania .....	2,303	1,345	637	189	1.6	1.3	3.4	1.6
Rhode Island .....	184	91	19	33	1.4	1.3	*	1.4
South Carolina .....	1,186	470	646	60	2.1	1.4	3.5	1.4
South Dakota .....	136	97	—	1	1.2	1.1	*	*
Tennessee .....	1,139	693	381	41	1.4	1.2	2.4	0.7
Texas .....	5,347	1,674	1,256	2,254	1.4	1.2	3.0	1.2
Utah .....	512	382	4	100	1.0	0.9	*	1.4
Vermont .....	57	50	3	1	0.9	0.8	*	*
Virginia .....	1,602	750	642	138	1.5	1.2	2.9	1.2
Washington .....	861	490	65	158	1.1	0.9	2.1	1.1
West Virginia .....	304	276	20	4	1.5	1.4	3.0	*
Wisconsin .....	854	530	210	74	1.2	1.0	3.2	1.3
Wyoming .....	99	78	2	11	1.5	1.4	*	*
Puerto Rico .....	753	---	---	---	1.5	---	---	---
Virgin Islands .....	32	2	19	6	2.0	*	*	*
Guam .....	48	—	—	—	1.4	*	*	*
American Samoa .....	4	---	---	---	*	---	---	---
Northern Marianas .....	9	---	---	---	*	---	---	---

\* 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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

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

<sup>4</sup>Excludes data for the territories.

**Table 37. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2004**

Plurality and race and Hispanic origin 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	45–54 years
			Total	15–17 years	18–19 years						
All live births											
All races <sup>1</sup>	4,112,052	6,781	415,262	133,980	281,282	1,034,454	1,104,485	965,663	475,606	103,679	6,122
Non-Hispanic white <sup>2</sup>	2,296,683	1,477	168,795	45,221	123,574	517,148	631,726	604,040	304,085	65,389	4,023
Non-Hispanic black <sup>2</sup>	578,772	2,729	97,290	34,920	62,370	188,761	138,093	92,646	46,945	11,676	632
Hispanic <sup>3</sup>	946,349	2,356	133,044	48,689	84,355	279,746	254,358	177,762	81,021	17,265	797
Live births in single deliveries											
All races <sup>1</sup>	3,972,558	6,693	408,634	132,219	276,415	1,010,421	1,069,417	924,160	450,733	97,732	4,768
Non-Hispanic white <sup>2</sup>	2,207,747	1,456	166,197	44,617	121,580	505,466	610,031	574,667	285,988	60,936	3,006
Non-Hispanic black <sup>2</sup>	557,590	2,697	95,204	34,349	60,855	182,229	132,330	88,521	44,801	11,235	573
Hispanic <sup>3</sup>	925,275	2,323	131,316	48,160	83,156	274,838	248,619	172,599	78,204	16,666	710
Live births in twin deliveries											
All races <sup>1</sup>	132,219	85	6,544	1,742	4,802	23,602	33,315	38,751	23,088	5,569	1,265
Non-Hispanic white <sup>2</sup>	83,346	21	2,566	599	1,967	11,457	20,359	27,174	16,672	4,144	953
Non-Hispanic black <sup>2</sup>	20,605	32	2,048	563	1,485	6,420	5,608	3,964	2,056	421	56
Hispanic <sup>3</sup>	20,351	30	1,717	523	1,194	4,827	5,564	4,914	2,643	576	80
Live births in higher order multiple deliveries <sup>4</sup>											
All races <sup>1</sup>	7,275	3	84	19	65	431	1,753	2,752	1,785	378	89
Non-Hispanic white <sup>2</sup>	5,590	—	32	5	27	225	1,336	2,199	1,425	309	64
Non-Hispanic black <sup>2</sup>	577	—	38	8	30	112	155	161	88	20	3
Hispanic <sup>3</sup>	723	3	11	6	5	81	175	249	174	23	7
All multiple births											
Ratio per 1,000 live births											
All races <sup>1</sup>	33.9	13.0	16.0	13.1	17.3	23.2	31.8	43.0	52.3	57.4	221.2
Non-Hispanic white <sup>2</sup>	38.7	14.2	15.4	13.4	16.1	22.6	34.3	48.6	59.5	68.1	252.8
Non-Hispanic black <sup>2</sup>	36.6	11.7	21.4	16.4	24.3	34.6	41.7	44.5	45.7	37.8	93.4
Hispanic <sup>3</sup>	22.3	14.0	13.0	10.9	14.2	17.5	22.6	29.0	34.8	34.7	109.2
Twin births											
All races <sup>1</sup>	32.2	12.5	15.8	13.0	17.1	22.8	30.2	40.1	48.5	53.7	206.6
Non-Hispanic white <sup>2</sup>	36.3	14.2	15.2	13.2	15.9	22.2	32.2	45.0	54.8	63.4	236.9
Non-Hispanic black <sup>2</sup>	35.6	11.7	21.1	16.1	23.8	34.0	40.6	42.8	43.8	36.1	88.6
Hispanic <sup>3</sup>	21.5	12.7	12.9	10.7	14.2	17.3	21.9	27.6	32.6	33.4	100.4
Higher order multiple births <sup>4</sup>											
Ratio per 100,000 live births											
All races <sup>1</sup>	176.9	*	20.2	*	23.1	41.7	158.7	285.0	375.3	364.6	1453.8
Non-Hispanic white <sup>2</sup>	243.4	*	19.0	*	21.8	43.5	211.5	364.0	468.6	472.6	1590.9
Non-Hispanic black <sup>2</sup>	99.7	*	39.1	*	48.1	59.3	112.2	173.8	187.5	171.3	*
Hispanic <sup>3</sup>	76.4	*	*	*	*	29.0	68.8	140.1	214.8	133.2	*

— Quantity zero.

<sup>1</sup> Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.<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 birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>4</sup> Includes all persons of Hispanic origin of any race.<sup>5</sup> Births in greater than twin deliveries.

**Table 38. Numbers and rates of twin and triplet and higher order multiple births by race and Hispanic origin of mother, United States: 1980–2004**

Year and race and Hispanic origin of mother	Total births	Twin births	Triplet/+ births	Twin birth rate <sup>1</sup>	Multiple birth rate <sup>2</sup>	Triplet/+ birth rate <sup>3</sup>
All races <sup>4</sup>						
2004 . . . . .	4,112,052	132,219	7,275	32.2	33.9	176.9
2003 . . . . .	4,089,950	128,665	7,663	31.5	33.3	187.4
2002 . . . . .	4,021,726	125,134	7,401	31.1	33.0	184.0
2001 . . . . .	4,025,933	121,246	7,471	30.1	32.0	185.6
2000 . . . . .	4,058,814	118,916	7,325	29.3	31.1	180.5
1999 . . . . .	3,959,417	114,307	7,321	28.9	30.7	184.9
1998 . . . . .	3,941,553	110,670	7,625	28.1	30.0	193.5
1997 . . . . .	3,880,894	104,137	6,737	26.8	28.6	173.6
1996 . . . . .	3,891,494	100,750	5,939	25.9	27.4	152.6
1995 . . . . .	3,899,589	96,736	4,973	24.8	26.1	127.5
1994 . . . . .	3,952,767	97,064	4,594	24.6	25.7	116.2
1993 . . . . .	4,000,240	96,445	4,168	24.1	25.2	104.2
1992 . . . . .	4,065,014	95,372	3,883	23.5	24.4	95.5
1991 . . . . .	4,110,907	94,779	3,346	23.1	23.9	81.4
1990 . . . . .	4,158,212	93,865	3,028	22.6	23.3	72.8
1989 . . . . .	4,040,958	90,118	2,798	22.3	23.0	69.2
1988 . . . . .	3,909,510	85,315	2,385	21.8	22.4	61.0
1987 . . . . .	3,809,394	81,778	2,139	21.5	22.0	56.2
1986 . . . . .	3,756,547	79,485	1,814	21.2	21.6	48.3
1985 . . . . .	3,760,561	77,102	1,925	20.5	21.0	51.2
1984 . . . . .	3,669,141	72,949	1,653	19.9	20.3	45.1
1983 . . . . .	3,638,933	72,287	1,575	19.9	20.3	43.3
1982 . . . . .	3,680,537	71,631	1,484	19.5	19.9	40.3
1981 . . . . .	3,629,238	70,049	1,385	19.3	19.7	38.2
1980 . . . . .	3,612,258	68,339	1,337	18.9	19.3	37.0
Non-Hispanic white <sup>5</sup>						
2004 . . . . .	2,296,683	83,346	5,590	36.3	38.7	243.4
2003 . . . . .	2,321,904	81,691	5,922	35.2	37.7	255.0
2002 . . . . .	2,298,156	79,949	5,754	34.8	37.3	250.4
2001 . . . . .	2,326,578	77,882	5,894	33.5	36.0	253.3
2000 . . . . .	2,362,968	76,018	5,821	32.2	34.6	246.3
1999 . . . . .	2,346,450	73,964	5,909	31.5	34.0	251.8
1998 . . . . .	2,283,986	71,270	6,206	30.2	32.8	262.8
1997 . . . . .	2,333,363	67,191	5,386	28.8	31.1	230.8
1996 . . . . .	2,358,989	65,523	4,885	27.8	29.8	207.1
1995 . . . . .	2,382,638	62,370	4,050	26.2	27.9	170.0
1994 . . . . .	2,438,855	62,476	3,721	25.6	27.1	152.6
1993 . . . . .	2,472,031	61,525	3,360	24.9	26.2	135.9
1992 <sup>6</sup> . . . . .	2,527,207	60,640	3,115	24.0	25.2	123.3
1991 <sup>6</sup> . . . . .	2,589,878	60,904	2,612	23.5	24.5	100.9
1990 <sup>7</sup> . . . . .	2,626,500	60,210	2,358	22.9	23.8	89.8
Non-Hispanic black <sup>5</sup>						
2004 . . . . .	578,772	20,605	577	35.6	36.6	99.7
2003 . . . . .	576,033	20,010	631	34.7	35.8	109.5
2002 . . . . .	578,335	20,064	591	34.7	35.7	102.2
2001 . . . . .	589,917	19,974	531	33.9	34.8	90.0
2000 . . . . .	604,346	20,173	506	33.4	34.2	83.7
1999 . . . . .	588,981	18,920	561	32.1	33.1	95.2
1998 . . . . .	593,127	18,589	518	31.3	32.2	87.3
1997 . . . . .	581,431	17,472	523	30.0	30.9	90.0
1996 . . . . .	578,099	16,873	425	29.2	29.9	73.5
1995 . . . . .	587,781	16,622	340	28.3	28.9	57.8
1994 . . . . .	619,198	17,934	357	29.0	29.5	57.7
1993 . . . . .	641,273	18,115	314	28.2	28.7	49.0
1992 <sup>6</sup> . . . . .	657,450	18,294	346	27.8	28.4	52.6
1991 <sup>6</sup> . . . . .	666,758	18,243	367	27.4	27.9	55.0
1990 <sup>7</sup> . . . . .	661,701	17,646	306	26.7	27.1	46.2

See footnotes at end of table.

**Table 38. Numbers and rates of twin and triplet and higher order multiple births by race and Hispanic origin of mother, United States: 1980–2004—Con.**

Year and race and Hispanic origin of mother	Total births	Twin births	Triplet/+ births	Twin birth rate <sup>1</sup>	Multiple birth rate <sup>2</sup>	Triplet/+ birth rate <sup>3</sup>
Hispanic <sup>8</sup>						
2004 . . . . .	946,349	20,351	723	21.5	22.3	76.4
2003 . . . . .	912,329	19,472	784	21.3	22.2	85.9
2002 . . . . .	876,642	18,128	737	20.7	21.5	84.1
2001 . . . . .	851,851	17,257	710	20.3	21.1	83.3
2000 . . . . .	815,868	16,470	659	20.2	21.0	80.8
1999 . . . . .	764,339	15,388	583	20.1	20.9	76.3
1998 . . . . .	734,661	15,015	553	20.4	21.2	75.3
1997 . . . . .	709,767	13,821	516	19.5	20.2	72.7
1996 . . . . .	701,339	13,014	409	18.6	19.1	58.3
1995 . . . . .	679,768	12,685	355	18.7	19.2	52.2
1994 . . . . .	665,026	12,206	348	18.4	18.9	52.3
1993 . . . . .	654,418	12,294	321	18.8	19.3	49.1
1992 <sup>6</sup> . . . . .	643,271	11,932	239	18.5	18.9	37.2
1991 <sup>6</sup> . . . . .	623,085	11,356	235	18.2	18.6	37.7
1990 <sup>7</sup> . . . . .	595,073	10,713	235	18.0	18.4	39.5

<sup>1</sup>The number of live births in twin deliveries per 1,000 live births.<sup>2</sup>The number of live births in all multiple deliveries per 1,000 live births.<sup>3</sup>The number of live births in triplet and other higher-order deliveries per 100,000 live births.<sup>4</sup>Includes races other than those shown.<sup>5</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>6</sup>Excludes data for New Hampshire, which did not report Hispanic origin.<sup>7</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>8</sup>Includes all persons of Hispanic origin of any race.

**Table 39. Twin and triplet and higher order multiple birth rates by state: United States and each state, 2002–2004**

Twin			Triplet/+ <sup>1</sup>		
State	Number	Rate per 1,000 live births	State	Number	Rate per 100,000 live births
United States . . . . .	386,018	31.6	United States . . . . .	22,339	182.8
Alabama . . . . .	5,663	31.8	Alabama . . . . .	361	202.8
Alaska . . . . .	802	26.4	Alaska . . . . .	15	*
Arizona . . . . .	7,184	26.4	Arizona. . . . .	499	183.1
Arkansas . . . . .	3,251	28.6	Arkansas. . . . .	111	97.5
California. . . . .	45,616	28.2	California. . . . .	2,376	147.1
Colorado . . . . .	6,403	31.0	Colorado . . . . .	343	166.3
Connecticut . . . . .	5,136	40.5	Connecticut . . . . .	328	258.3
Delaware . . . . .	1,200	35.5	Delaware. . . . .	75	222.0
District of Columbia . . . . .	735	31.9	District of Columbia . . . . .	13	*
Florida . . . . .	18,731	29.5	Florida . . . . .	934	146.9
Georgia . . . . .	12,803	31.4	Georgia . . . . .	613	150.2
Hawaii . . . . .	1,511	28.1	Hawaii . . . . .	77	143.0
Idaho . . . . .	1,930	29.6	Idaho . . . . .	99	151.6
Illinois . . . . .	19,300	35.5	Illinois . . . . .	1,412	259.6
Indiana . . . . .	8,206	31.7	Indiana . . . . .	627	242.4
Iowa . . . . .	3,755	32.9	Iowa . . . . .	205	179.6
Kansas . . . . .	3,603	30.4	Kansas. . . . .	210	177.1
Kentucky . . . . .	5,005	30.3	Kentucky. . . . .	398	240.9
Louisiana. . . . .	6,010	30.8	Louisiana. . . . .	298	152.6
Maine. . . . .	1,353	32.7	Maine. . . . .	54	130.6
Maryland. . . . .	8,322	37.3	Maryland. . . . .	460	206.4
Massachusetts . . . . .	10,805	45.2	Massachusetts . . . . .	737	308.0
Michigan . . . . .	13,297	34.0	Michigan . . . . .	892	228.2
Minnesota . . . . .	6,911	33.1	Minnesota. . . . .	454	217.5
Mississippi . . . . .	3,964	31.3	Mississippi. . . . .	192	151.5
Missouri . . . . .	7,452	32.4	Missouri . . . . .	416	180.8
Montana . . . . .	983	28.9	Montana . . . . .	35	103.0
Nebraska. . . . .	2,454	31.6	Nebraska. . . . .	261	336.2
Nevada. . . . .	2,869	28.3	Nevada. . . . .	143	141.0
New Hampshire. . . . .	1,561	36.0	New Hampshire. . . . .	93	214.3
New Jersey . . . . .	14,327	41.3	New Jersey . . . . .	1,150	331.4
New Mexico . . . . .	1,996	23.8	New Mexico . . . . .	58	69.1
New York . . . . .	27,222	36.1	New York . . . . .	1,840	243.7
North Carolina. . . . .	11,138	31.3	North Carolina. . . . .	556	156.4
North Dakota . . . . .	777	32.5	North Dakota . . . . .	55	230.0
Ohio . . . . .	14,890	33.3	Ohio . . . . .	1,054	235.6
Oklahoma . . . . .	4,101	26.9	Oklahoma . . . . .	145	95.0
Oregon . . . . .	4,067	29.7	Oregon . . . . .	159	116.2
Pennsylvania . . . . .	14,265	32.9	Pennsylvania . . . . .	912	210.4
Rhode Island . . . . .	1,491	38.3	Rhode Island . . . . .	101	259.8
South Carolina . . . . .	5,210	31.2	South Carolina . . . . .	260	155.9
South Dakota . . . . .	1,007	30.5	South Dakota . . . . .	39	118.0
Tennessee . . . . .	7,093	30.1	Tennessee. . . . .	358	151.7
Texas . . . . .	31,370	27.7	Texas. . . . .	1,589	140.5
Utah . . . . .	3,914	26.1	Utah . . . . .	177	118.2
Vermont . . . . .	662	33.8	Vermont . . . . .	32	163.5
Virginia. . . . .	10,053	33.0	Virginia. . . . .	466	152.9
Washington . . . . .	6,987	29.0	Washington . . . . .	267	110.7
West Virginia . . . . .	1,767	28.3	West Virginia . . . . .	49	78.4
Wisconsin . . . . .	6,324	30.3	Wisconsin . . . . .	317	151.9
Wyoming . . . . .	542	27.0	Wyoming. . . . .	24	119.7

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator, see "Technical Notes."

<sup>1</sup>Includes triplet, quadruplet, and other higher order multiple births.

## Technical Notes

### Source of data

Data shown in this report for 2004 are based on 100 percent of the birth certificates filed 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 percentage of records with missing information for maternal and infant characteristics included in this report is shown by state in [Table I](#). Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the “[Technical Notes](#)” for more information.

### The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth

This report includes 2004 data on items that are collected on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 Revision of the U.S. Standard Certificate of Live Birth (revised). The 2003 revision is described in detail elsewhere (4–6). Seven states, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington implemented the revised birth certificate as of January 1, 2004, or in 2003. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven revised states that implemented as of January 1, 2004, represent 14 percent of all births.

Data for educational attainment, prenatal care, and tobacco use, although collected on both the revised and unrevised certificates, are not considered comparable between revisions, and are presented separately in this report. Data on educational attainment, prenatal care, and tobacco use for the two states that revised after January 1, 2004, are excluded from all tabulations. See following discussion of the specific data items.

Data items exclusive to either the 1989 or the 2003 birth certificate revision are not shown in this report. Supplemental 2004 tables for data exclusive to the 1989 revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)). A forthcoming report will present selected information exclusive to the 2003 revision.

### 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 four states (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 under age 10 years or over 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 age 9 years or under and age 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 have been too small historically to compute age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

In 2004, age of mother was not reported on 0.02 percent of the records; for these records age of mother was imputed according to the last record with the same race and total birth order.

### Hispanic origin and race

#### Hispanic origin

Hispanic origin and race are reported separately on the birth certificate. Data for specified Hispanic groups 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 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 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 that include Hispanic origin, 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 characteristics 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 (7,137). Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. In addition, Florida (for births occurring from March 1, 2004, only), Idaho, Kentucky, New Hampshire (for births occurring as of July 19, 2004, only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, permitted respondents to select one or more Hispanic origin categories (7,138). Minnesota, which used the 1989 revision of the U.S. Standard Certificate of Live Birth, also allowed the reporting of multiple Hispanic groups in 2004. These 10 revised states account for 13 percent of Hispanic births in the United States. The percentage of records for which Hispanic origin of the parents was not reported in 2004 is shown by state in [Table I](#). Mothers of a specified Hispanic group (i.e., Mexican, Puerto Rican, Cuban, or Central and South American) in combination with one or more other specified Hispanic group were classified as “other Hispanic.” The percentage of Hispanic mothers in the 10 states reporting more than one Hispanic origin group was 1.5 for 2004.

#### Single, multiple, and bridged race of mother and father

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” (8–10). These documents specify guidelines for collection, tabulation, and presentation of race and ethnicity data within the federal statistical system. The 1997 revised standards

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, plus New York City, and the District of Columbia, 2004**

[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> . . . . .	4,112,052	0.0	0.2	0.4	13.6	16.0	0.8	14.1
Alabama . . . . .	59,510	0.0	0.0	0.0	20.8	21.1	0.1	20.8
Alaska . . . . .	10,338	—	0.9	0.5	9.2	14.2	11.6	20.9
Arizona . . . . .	93,663	0.0	0.0	0.1	14.7	18.2	1.9	16.8
Arkansas . . . . .	38,573	—	0.0	0.5	19.0	20.3	0.3	19.1
California . . . . .	544,843	0.0	0.0	0.4	7.3	8.1	1.4	7.7
Colorado . . . . .	68,503	—	0.0	0.5	8.1	8.8	0.0	8.8
Connecticut . . . . .	42,095	0.0	0.1	0.5	10.6	11.8	0.3	10.9
Delaware . . . . .	11,369	—	0.1	0.3	32.6	33.6	0.7	32.6
District of Columbia . . . . .	7,933	—	0.0	0.0	35.7	44.1	0.4	35.7
Florida <sup>2</sup> . . . . .	218,053	0.0	0.1	0.2	15.8	24.5	0.3	18.4
Georgia . . . . .	138,849	0.0	0.0	0.2	17.0	17.7	1.6	18.4
Hawaii . . . . .	18,281	—	0.1	0.2	8.6	12.3	0.2	8.6
Idaho . . . . .	22,532	0.0	0.0	0.4	9.2	15.2	1.3	12.1
Illinois . . . . .	180,778	0.0	0.0	0.2	13.7	15.2	0.1	15.0
Indiana . . . . .	87,142	0.0	0.1	0.0	13.2	13.2	0.4	13.4
Iowa . . . . .	38,438	—	—	0.0	14.0	15.5	0.3	15.7
Kansas . . . . .	39,669	—	0.0	0.1	10.6	11.1	1.4	12.1
Kentucky . . . . .	55,720	0.0	0.1	0.6	20.1	24.7	0.1	23.3
Louisiana . . . . .	65,369	0.0	0.0	0.0	19.6	19.7	0.2	19.7
Maine . . . . .	13,944	—	0.0	0.0	9.2	12.7	0.5	12.8
Maryland . . . . .	74,628	0.0	0.0	0.1	13.4	19.4	0.1	15.5
Massachusetts . . . . .	78,484	0.0	—	0.9	7.9	9.4	0.7	8.5
Michigan . . . . .	129,776	0.0	0.1	0.2	14.6	16.9	2.7	18.6
Minnesota . . . . .	70,624	—	0.1	0.3	12.1	18.2	1.4	13.9
Mississippi . . . . .	42,827	0.0	0.1	0.1	20.7	20.7	0.1	20.7
Missouri . . . . .	77,765	—	0.0	0.3	18.0	19.9	0.1	18.5
Montana . . . . .	11,519	—	0.1	0.0	9.2	10.6	1.6	11.9
Nebraska . . . . .	26,332	—	—	—	13.2	14.9	2.5	15.6
Nevada . . . . .	35,200	—	0.0	0.5	22.4	24.0	1.0	22.8
New Hampshire <sup>2</sup> . . . . .	14,565	—	0.0	0.2	6.4	8.6	3.5	7.6
New Jersey . . . . .	115,253	0.0	0.1	0.1	7.6	9.0	0.1	7.8
New Mexico . . . . .	28,384	—	0.0	1.6	19.7	19.6	0.0	19.6
New York (excluding NYC) . . . . .	130,879	0.0	0.0	0.1	10.8	16.1	0.2	10.9
New York City . . . . .	119,068	0.0	0.0	0.5	15.4	16.1	0.4	15.6
North Carolina . . . . .	119,847	0.0	—	0.0	16.2	16.3	0.1	16.3
North Dakota . . . . .	8,189	—	—	—	9.3	9.5	2.8	12.1
Ohio . . . . .	148,954	0.4	0.0	0.5	16.2	19.9	0.5	16.9
Oklahoma . . . . .	51,306	—	0.0	0.0	14.6	17.2	0.3	16.8
Oregon . . . . .	45,678	—	—	0.1	10.2	4.9	0.3	4.9
Pennsylvania . . . . .	144,748	0.0	4.6	3.9	6.6	11.0	1.2	5.9
Rhode Island . . . . .	12,779	—	—	0.2	13.0	14.3	13.8	24.1
South Carolina . . . . .	56,590	—	0.0	0.1	29.5	33.8	0.1	0.7
South Dakota . . . . .	11,338	0.0	0.0	0.1	10.4	11.0	0.1	13.4
Tennessee . . . . .	79,642	0.0	1.2	0.3	16.0	22.2	0.2	15.9
Texas . . . . .	381,293	0.0	0.0	0.4	14.3	14.7	0.3	14.5
Utah . . . . .	50,670	0.0	0.0	0.2	9.9	12.9	0.6	10.8
Vermont . . . . .	6,599	—	—	0.4	7.6	10.0	1.1	10.7
Virginia . . . . .	103,933	—	0.0	0.1	15.3	17.0	0.1	15.3
Washington . . . . .	81,747	—	0.1	0.3	9.7	23.6	2.9	15.5
West Virginia . . . . .	20,880	0.0	0.0	0.1	13.0	13.5	0.2	13.4
Wisconsin . . . . .	70,146	0.0	0.0	0.1	30.8	30.9	0.1	30.9
Wyoming . . . . .	6,807	—	0.0	0.1	16.0	16.4	0.3	16.2
Puerto Rico . . . . .	51,127	—	0.1	—	3.2	4.3	---	---
Virgin Islands . . . . .	1,574	—	0.3	—	21.0	22.1	4.3	60.7
Guam . . . . .	3,410	0.1	0.4	0.4	22.3	22.6	1.5	27.8
American Samoa . . . . .	1,714	0.2	—	3.9	36.4	36.5	---	---
Northern Marianas . . . . .	1,355	—	0.5	—	8.9	9.0	---	---

See footnotes at end of table.

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004—Con.**

[By place of residence]

Area	Educational attainment of mother		Live-birth order	Length of gestation	Month prenatal care began		Number of prenatal visits
	Unrevised <sup>3</sup>	Revised <sup>4</sup>			Unrevised <sup>3</sup>	Revised <sup>4</sup>	
Total of reporting areas <sup>1</sup> . . . . .	2.0	---	0.5	1.0	2.5	---	3.6
Alabama . . . . .	0.7	---	0.0	0.1	0.7	---	0.2
Alaska . . . . .	6.7	---	10.4	0.4	6.8	---	10.6
Arizona . . . . .	1.4	---	0.1	0.1	0.1	---	0.7
Arkansas . . . . .	1.9	---	0.2	0.2	2.7	---	2.2
California <sup>5</sup> . . . . .	2.9	---	0.1	6.8	1.7	---	2.7
Colorado . . . . .	1.1	---	0.1	0.0	1.8	---	2.0
Connecticut . . . . .	1.2	---	0.0	0.0	1.5	---	1.0
Delaware . . . . .	3.1	---	0.2	0.1	2.7	---	0.6
District of Columbia . . . . .	8.0	---	0.2	0.2	11.1	---	15.8
Florida <sup>2</sup> . . . . .	---	---	0.7	0.1	---	---	4.5
Georgia . . . . .	3.3	---	0.1	0.1	2.6	---	1.4
Hawaii . . . . .	1.2	---	0.0	0.2	3.4	---	2.8
Idaho . . . . .	---	5.1	0.2	0.1	---	1.3	1.6
Illinois . . . . .	1.6	---	0.3	0.2	5.6	---	5.9
Indiana . . . . .	1.6	---	0.1	0.0	2.3	---	1.8
Iowa . . . . .	0.2	---	0.1	0.1	0.2	---	0.3
Kansas . . . . .	0.4	---	0.0	0.1	0.8	---	0.8
Kentucky . . . . .	---	4.4	0.1	0.0	---	1.9	1.6
Louisiana . . . . .	0.1	---	0.1	0.1	0.3	---	0.3
Maine . . . . .	1.5	---	0.2	0.1	1.2	---	0.3
Maryland . . . . .	1.5	---	0.1	0.1	1.9	---	2.3
Massachusetts . . . . .	0.4	---	0.2	0.2	2.0	---	0.7
Michigan . . . . .	2.6	---	0.4	0.1	3.7	---	4.8
Minnesota . . . . .	1.9	---	0.5	0.2	4.2	---	5.3
Mississippi . . . . .	4.3	---	0.1	0.2	5.2	---	3.6
Missouri . . . . .	1.2	---	0.5	0.2	2.3	---	4.0
Montana . . . . .	0.6	---	0.1	0.1	0.8	---	0.5
Nebraska . . . . .	0.1	---	0.0	0.0	0.2	---	0.3
Nevada . . . . .	2.7	---	1.3	0.6	7.7	---	10.3
New Hampshire <sup>2</sup> . . . . .	---	---	0.5	0.3	---	---	2.8
New Jersey . . . . .	2.2	---	0.1	0.1	2.0	---	1.0
New Mexico . . . . .	3.2	---	1.0	0.3	6.0	---	6.3
New York (excluding NYC) . . . . .	---	7.5	2.0	0.1	---	4.5	6.0
New York City . . . . .	4.5	---	0.0	0.0	5.9	---	0.7
North Carolina . . . . .	0.5	---	0.0	0.0	1.0	---	0.8
North Dakota . . . . .	0.3	---	0.1	0.2	1.1	---	0.8
Ohio . . . . .	2.4	---	0.3	0.1	4.9	---	9.1
Oklahoma . . . . .	0.5	---	0.2	0.2	2.2	---	2.2
Oregon . . . . .	2.9	---	0.0	0.0	1.6	---	0.2
Pennsylvania . . . . .	---	3.0	1.3	0.8	---	6.7	9.6
Rhode Island . . . . .	2.5	---	2.0	0.1	6.0	---	10.7
South Carolina . . . . .	---	5.3	0.0	0.1	---	1.2	0.8
South Dakota . . . . .	0.1	---	0.0	0.0	0.4	---	0.4
Tennessee . . . . .	---	0.8	0.9	0.5	---	9.6	8.2
Texas . . . . .	1.4	---	0.7	0.3	1.5	---	3.8
Utah . . . . .	1.8	---	0.3	0.0	2.6	---	2.8
Vermont . . . . .	5.9	---	0.2	0.0	8.3	---	0.6
Virginia . . . . .	2.3	---	0.0	0.0	1.2	---	1.7
Washington . . . . .	---	3.2	2.8	0.3	---	17.1	16.2
West Virginia . . . . .	2.5	---	0.0	0.1	3.8	---	0.7
Wisconsin . . . . .	0.4	---	0.0	0.0	0.3	---	0.5
Wyoming . . . . .	1.1	---	0.0	0.0	0.8	---	0.5
Puerto Rico . . . . .	0.3	---	0.1	0.0	0.2	---	0.1
Virgin Islands . . . . .	1.0	---	1.3	—	0.1	---	2.6
Guam . . . . .	1.4	---	2.3	0.1	1.1	---	1.5
American Samoa . . . . .	---	---	—	—	---	---	—
Northern Marianas . . . . .	8.1	---	5.4	0.7	4.4	---	4.0

See footnotes at end of table.

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004—Con.**

[By place of residence]

Area	Birthweight	5-minute apgar score	Weight	Tobacco use		Method of delivery <sup>6</sup>
				Unrevised <sup>3</sup>	Revised <sup>4</sup>	
Total of reporting areas <sup>1</sup> . . . . .	0.1	0.5	5.9	1.1	---	0.4
Alabama . . . . .	0.1	0.2	1.6	0.6	---	0.7
Alaska . . . . .	0.3	0.9	8.7	1.4	---	0.3
Arizona . . . . .	0.1	0.4	12.5	1.7	---	0.4
Arkansas . . . . .	0.1	3.2	8.9	1.5	---	0.5
California . . . . .	0.0	---	---	---	---	0.0
Colorado . . . . .	0.0	0.3	3.0	0.2	---	0.0
Connecticut . . . . .	0.0	0.2	1.1	0.7	---	0.2
Delaware . . . . .	0.1	0.2	1.1	2.5	---	0.0
District of Columbia . . . . .	0.1	0.6	13.7	0.1	---	0.1
Florida <sup>2</sup> . . . . .	0.0	0.3	8.5	---	---	0.2
Georgia . . . . .	0.0	0.4	6.5	1.4	---	0.6
Hawaii . . . . .	0.1	0.5	13.3	0.1	---	0.5
Idaho . . . . .	0.0	0.6	8.1	---	3.8	0.2
Illinois . . . . .	0.0	0.3	6.4	0.3	---	0.6
Indiana . . . . .	0.4	0.3	2.2	1.2	---	0.6
Iowa . . . . .	0.1	0.3	0.7	0.1	---	0.8
Kansas . . . . .	0.0	0.8	0.2	0.1	---	0.3
Kentucky . . . . .	0.2	0.6	2.0	---	4.3	0.3
Louisiana . . . . .	0.1	0.4	4.4	0.2	---	0.2
Maine . . . . .	0.1	0.2	0.9	1.2	---	0.3
Maryland . . . . .	0.0	0.3	3.1	0.4	---	0.4
Massachusetts . . . . .	0.2	0.2	0.9	0.3	---	0.3
Michigan . . . . .	0.1	0.3	7.1	2.9	---	0.6
Minnesota . . . . .	0.0	0.3	10.4	2.3	---	0.9
Mississippi . . . . .	0.1	0.4	5.7	0.4	---	0.6
Missouri . . . . .	0.0	0.6	4.2	4.1	---	0.8
Montana . . . . .	0.1	0.1	1.3	1.0	---	0.3
Nebraska . . . . .	0.0	0.1	3.1	0.1	---	0.3
Nevada . . . . .	0.0	1.5	8.9	2.2	---	0.9
New Hampshire <sup>2</sup> . . . . .	0.2	0.4	8.7	---	---	0.5
New Jersey . . . . .	0.0	0.2	0.9	1.8	---	0.8
New Mexico . . . . .	0.3	3.7	11.2	1.7	---	0.4
New York (excluding NYC) . . . . .	0.1	0.5	6.8	---	6.8	0.5
New York City . . . . .	0.0	0.2	2.0	4.2	---	0.2
North Carolina . . . . .	0.0	0.3	2.6	0.4	---	0.6
North Dakota . . . . .	0.2	0.3	2.3	0.5	---	2.3
Ohio . . . . .	0.0	0.2	3.8	0.9	---	0.8
Oklahoma . . . . .	0.1	0.9	3.6	0.9	---	1.9
Oregon . . . . .	0.0	0.4	1.9	2.5	---	0.7
Pennsylvania . . . . .	0.4	1.2	13.0	---	4.1	0.1
Rhode Island . . . . .	0.1	0.4	13.7	2.7	---	0.2
South Carolina . . . . .	0.0	0.2	1.8	---	5.1	0.0
South Dakota . . . . .	0.0	0.2	0.8	0.1	---	0.6
Tennessee . . . . .	0.4	3.2	8.4	---	1.0	0.0
Texas . . . . .	0.1	---	8.1	0.2	---	0.9
Utah . . . . .	0.0	0.2	4.0	1.0	---	0.5
Vermont . . . . .	0.3	0.2	2.0	6.2	---	0.1
Virginia . . . . .	0.1	0.1	3.2	1.1	---	0.6
Washington . . . . .	0.4	0.4	16.6	---	3.2	0.0
West Virginia . . . . .	0.0	0.2	2.2	1.9	---	0.3
Wisconsin . . . . .	0.0	0.4	2.2	0.2	---	0.0
Wyoming . . . . .	0.0	0.3	1.9	0.5	---	0.3

See footnotes at end of table.

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004—Con.**

[By place of residence]

Area	Birthweight	5-minute apgar score	Weight	Tobacco use		Method of delivery <sup>6</sup>
				Unrevised <sup>3</sup>	Revised <sup>4</sup>	
Puerto Rico . . . . .	0.0	0.1	0.0	—	---	0.0
Virgin Islands . . . . .	0.6	1.6	13.0	1.5	---	1.7
Guam . . . . .	0.1	0.6	2.8	1.0	---	0.2
American Samoa . . . . .	—	---	---	---	---	---
Northern Marianas . . . . .	0.4	1.5	---	6.4	---	3.4

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>Florida and New Hampshire implemented the 2003 U.S. Standard Certificate of Live Birth in 2004, but after January 1, 2004.<sup>3</sup>Includes data based on the 1989 U.S. Standard Certificate of Live birth; excludes data based on the 2003 U.S. Standard Certificate of Live Birth.<sup>4</sup>Includes data based on the 2003 U.S. Standard Certificate of Live birth; excludes data based on the 1989 U.S. Standard Certificate of Live Birth.<sup>5</sup>California reports date last normal menses began but does not report clinical estimate of gestation.<sup>6</sup>Not stated levels for states which implemented the 2003 U.S. Standard Certificate of Live Birth are derived from the item "Final route and method of delivery."

NOTE: For levels of missing data for checkbox items see Technical Appendix of the United States, 2004.

incorporated two major changes designed to reflect the changing racial and ethnic profile 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 1977 standards required federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native (AIAN), Asian or Pacific Islander (API), Black, and White. 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. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. 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 1997 revised standards. 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 all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see "Population denominators"). In order to compute rates, it is necessary to bridge population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

For the 2004 data year, multiple race was reported by Florida (for births occurring from March 1, 2004, only), Idaho, Kentucky, New Hampshire (for births occurring from July 19, 2004, only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as California, Hawaii, Michigan (for births at selected facilities only), Minnesota, Ohio, and Utah, which used the 1989 revision of the U.S. Standard Certificate of

Live Birth. These 15 states, which account for 43.0 percent of births in the U.S. in 2004, reported 1.8 percent of the mothers as multiracial, with levels varying from 0.5 percent (New Hampshire) to 34.4 percent (Hawaii). Data from the vital records of the remaining 35 states, the District of Columbia, and New York City followed the 1977 OMB standards in which a single race is reported (8,9). In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards, compared with the minimum of five races for the 1997 standards.

In order to provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to bridge the responses of those who reported more than one race to a single race. The bridging procedure for multiple-race mothers and fathers is based on the procedure used to bridge the multiracial population estimates (see "Population denominators") (10,11). Multiple race is imputed to a single race (one of the following: AIAN, API, black, or white) according to the combination of races, Hispanic origin, sex, and age indicated on the birth certificate of the mother or father. The imputation procedure is described in detail elsewhere (12,13).

As noted previously, the bridging procedure imputes multiple race of mothers to one of the four minimum races stipulated in the 1977 OMB standards, that is, AIAN, API, black, or white. Mothers of a specified API subgroup (i.e., Chinese, Japanese, Hawaiian, or Filipino) in combination with another race (i.e., AIAN, black, or white) or another API subgroup cannot be imputed to a single API subgroup. API mothers are disproportionately represented in the 15 states reporting multiple race (54.8 percent in 2004). For this report, data are not shown for the specified API subgroups because the bridging technique cannot be applied in this detail (14). However, data for the API subgroups, reported alone or in combination with other races or API subgroups, are available in the 2004 Natality public-use data file. In addition, a report on births in 2003 and 2004 to multiple-race women is forthcoming.

Race of mother is reported by 35 states, the District of Columbia, and New York City in at least eight single-race categories: White, Black, American Indian or Alaska Native, Chinese, Japanese, Hawaiian,

Filipino, and "other Asian or Pacific Islander" (API). Of these, six States (Illinois, Missouri, New Jersey, Texas, Virginia, and West Virginia) and New York City report data on the expanded API subgroups included in the "other API category" (Asian Indian, Korean, Samoan, Vietnamese, Guamanian, and remaining API). Finally, the 15 states which report multiple-race data (California, Florida, Hawaii, Idaho, Kentucky, Michigan, Minnesota, New Hampshire, New York State (excluding New York City), Ohio, Pennsylvania, South Carolina, Tennessee, Utah, and Washington) report a minimum of 14 categories (White, Black, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Hawaiian, Guamanian, Samoan, and other Pacific Islander). For this report, as discussed above, the multiple-race combinations (for example, White and AIAN or Black and Chinese) were bridged to one of four broad categories (bridged White, bridged Black, bridged AIAN, and bridged API). Detailed data on race (single multiple) as reported in the 15 states are available on the 2004 natality public-use file.

In 2004, race of mother was not reported for 0.9 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 0.7 percent of births in 2004.

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. The reasons for this change are summarized in the Technical Appendix (7).

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

## **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 2004, a birth is inferred as nonmarital if either of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of states have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment, therefore, is the most reliable indicator that the birth is nonmarital in the states not reporting this information directly; this is now the key indicator in the nonreporting states. Details of the changes in reporting procedures are described in previous reports (34,139).

The mother's marital status was not reported in 2004 on 0.04 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.

## **Education**

In this report, data on educational attainment of the mother based on the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). The revised item asks for the highest degree or level of school completed at the time of birth (e.g., high school diploma, bachelor's degree, etc.), whereas the 1989 standard certificate item asks for the highest grade (i.e., year) completed at the time of birth. This change in format has resulted in data that are not comparable among revisions. Information on educational attainment for Florida and New Hampshire, which revised in 2004, but after January 1, are excluded from all tabulations. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

## **Tobacco use**

In this report, data on tobacco use during pregnancy based on the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). The revised certificate asks for the number of cigarettes smoked at different intervals before and during pregnancy. In comparison, the 1989 standard certificate asked for "Tobacco use during pregnancy," "yes/no," and the average number of cigarettes per day with no specificity on timing during pregnancy. As a result, revised data are not comparable to unrevised data and are presented separately. California did not report tobacco use in 2004; tobacco use data are also excluded for the two states Florida and New Hampshire, which revised in 2004, but after January 1, 2004. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

## **Prenatal care**

Data on the month that prenatal care began based on the 2003 U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). Substantive changes in both question wording and the sources for this information have resulted in data that are not comparable among revisions. The wording of the prenatal care item was modified to "Date of first prenatal visit" from "Month prenatal care began." In addition, the 2003 revision process resulted in recommendations that the prenatal care information be gathered from the prenatal care or medical records, whereas the 1989 revision did not recommend a source for these data. Prenatal care data are excluded for the two states Florida and New Hampshire, which revised in 2004, but after January 1. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

## **Method of delivery**

Several rates are computed for method of delivery. The overall cesarean delivery rate or *total cesarean* rate is computed as the

percentage 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 the sum of primary cesareans and vaginal births without previous cesarean. The rate for *vaginal birth after previous cesarean* (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean delivery.

Despite substantive changes between the 1989 and 2003 revisions of the birth certificate to the method of delivery item, data for revised and unrevised states are combined for all national figures shown in this report. The numbers and percentages of total vaginal and total cesarean deliveries (e.g., the total cesarean delivery rate) appear to be very consistent between revisions. However, information on whether the delivery is a VBAC, primary cesarean, or repeat cesarean appears to be less comparable. In brief, data from revised states show higher-than-expected VBAC and primary cesarean rates and lower-than-expected repeat cesarean rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard Certificate of Live Birth. The changes to the method of delivery item appear to have a small impact (2 to 3 percent) on the national primary and VBAC rates shown in this report. However, comparisons of VBAC, primary, and repeat cesarean deliveries data based on revised and unrevised data for individual states should be interpreted with caution.

## 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 post conception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages that are clearly inconsistent with the infant's plurality and birthweight (see below), but reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations (140,141).

The U.S. Standard Certificate of Live Birth includes an item, "clinical estimate of gestation," that 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 5.9 percent of the births in 2004 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for 1,302 births or 0.04 percent of all birth records in 2004. The levels of the adjustments in 2004 data were similar to those

for earlier years (7). Despite these edits substantial incongruities in these data persist; research is ongoing to address these data deficiencies.

## Birthweight

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. Equivalents of the gram weights in terms of pounds and ounces are as follows:

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

## Computations of percentages, 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 percentages, percent distributions, and medians were computed. The percentage of records with missing information for each item is shown by state in [Table I](#). 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 2004 shown in [Tables A, B, 1, 3–5, 7–9, 11, 14, 15](#), and [21](#) are based on populations estimated from the 2000 census, as of July 1, 2004. These populations are shown in [Tables II](#) and [III](#). The population estimates have been provided by the U.S. Census Bureau (16) and are based on the 2000 census counts by age, race, and sex, which have been modified to be consistent with the Office of Management and Budget (OMB) racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere (10,11,142,143).

Birth and fertility rates by state shown in [Tables B](#) and [11](#) are based on state-level population estimates projected from the 2000 census provided by the U.S. Census Bureau (16). 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 16](#) are based on monthly population estimates also based on the 2004 estimates. Rates for unmarried women shown in [Tables 18](#) and [19](#) are based on distributions of the population by marital status averaged over a 3-year period for 2003–05 as reported by the U.S. Census Bureau in the March Current Population Survey for each year (35–37), which have been adjusted to July 2004 population levels (16) by the Division of Vital Statistics, NCHS (34,139). Birth and fertility rates for the Hispanic population, shown in [Tables 5, 7, 8, 9](#), and [15](#), are based on estimates

**Table II. Estimated total population by race, and estimated female population by age and race: United States, 2004**

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian or Alaska Native	Asian or Pacific Islander
Total population . . . . .	293,655,404	238,268,102	38,600,765	3,148,484	13,638,053
Female population					
15–44 years . . . . .	62,033,402	48,758,090	9,115,649	745,279	3,414,384
10–14 years . . . . .	10,314,017	7,970,814	1,749,557	149,173	444,473
15–19 years . . . . .	10,094,408	7,882,326	1,623,541	146,719	441,822
15–17 years . . . . .	6,074,126	4,730,761	991,660	88,794	262,911
18–19 years . . . . .	4,020,282	3,151,565	631,881	57,925	178,911
20–24 years . . . . .	10,168,314	7,948,811	1,569,086	137,971	512,446
25–29 years . . . . .	9,566,092	7,424,518	1,427,396	115,539	598,639
30–34 years . . . . .	10,129,814	7,877,175	1,458,754	111,792	682,093
35–39 years . . . . .	10,481,803	8,290,818	1,472,528	111,698	606,759
40–44 years . . . . .	11,592,971	9,334,442	1,564,344	121,560	572,625
45–49 years . . . . .	11,204,882	9,126,191	1,442,853	111,542	524,296

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 (OMB) standards. The multiple-race population estimates were bridged to the single-race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 16.

**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, 2004**

[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 . . . . .	41,322,073	27,239,634	3,796,668	1,615,256	8,670,410	252,333,331	199,775,516	36,921,613
Female population								
15–44 years . . . . .	9,675,716	6,342,530	895,458	280,672	2,157,027	52,357,686	39,792,952	8,690,960
10–14 years . . . . .	1,849,239	1,287,209	192,908	47,645	321,475	8,464,778	6,270,957	1,661,367
15–19 years . . . . .	1,610,907	1,063,976	169,131	36,712	341,085	8,483,501	6,398,834	1,550,705
15–17 years . . . . .	978,802	643,799	101,899	25,850	207,252	5,095,324	3,830,286	946,674
18–19 years . . . . .	632,105	420,177	67,232	10,862	133,833	3,388,177	2,568,548	604,031
20–24 years . . . . .	1,692,204	1,152,713	140,572	32,568	366,353	8,476,110	6,383,764	1,495,431
25–29 years . . . . .	1,746,376	1,187,946	149,086	42,753	366,575	7,819,716	5,804,787	1,350,322
30–34 years . . . . .	1,707,611	1,143,451	149,322	46,282	368,555	8,422,203	6,289,881	1,384,303
35–39 years . . . . .	1,531,559	958,065	144,142	61,685	367,660	8,950,244	6,868,928	1,405,377
40–44 years . . . . .	1,387,059	836,379	143,205	60,672	346,799	10,205,912	8,046,758	1,504,822
45–49 years . . . . .	1,124,013	632,549	121,460	53,200	316,809	10,080,869	8,082,874	1,394,156

<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 (OMB) standards. The multiple-race population estimates were bridged to the single-race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 144.

of the total Hispanic population as of July 1, 2004 (16). 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 (137,144).

The populations by race 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 (9). 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 (API) persons were collected as a single group (8). Except for 15 states, 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 for the unrevised states 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 largely incompatible with the population data collected in the 2000 census (the denominators for the rates).

To produce birth and fertility rates for 1991–2004, 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 API (27,143). 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 standards, 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 (10,16,27). 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.

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 Indian or Alaska Natives (AIAN), 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 (0.8 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 (145,146). The population estimates for some Hispanic subgroups, especially Cubans, often 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 14 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, 4, and 7 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.

## 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 (i.e., the comparison of numbers, rates, and percentages over time, for different areas, or among 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 can be estimated from the actual figures, according to certain statistical assumptions.

The confidence interval is the range of values for the number of births, birth rates, or percentage 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 percentages can be estimated from the actual number of vital events. Procedures differ for rates and percentages 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 (147). Confidence limits are estimated using the following formulas:

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

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

where

$$B = \text{number of births}$$

$L$  = the value in [Table IV](#) that corresponds to the number  $B$

$U$  = the value in [Table IV](#) that corresponds to the number  $B$

### Example

Suppose that the number of first births to American Indian or Alaska Native (AIAN) 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 AIAN 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

$$B = \text{number of births}$$

### 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](#).

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

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

where

$$R = \text{birth rate}$$

$L$  = 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 AIAN women aged 40–44 years was 0.50 per thousand, 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 AIAN 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

$$R = \text{birth rate}$$

$$B = \text{number of births}$$

**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**

N	L	U	N	L	U
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			

### 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 percentages

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

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

where

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

For natality data, these conditions will be met except for very rare events in small subgroups. If the conditions are not met, the variation in the percentage 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

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

### Example

Suppose that the percentage 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 percentage 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 indeed statistically significant.

### Example

Suppose that the first birth rate for AIAN 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 AIAN women aged 40–44 years 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 (148). 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:

$$1.96 \times \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}}$$

$$= 1.96 \times \sqrt{([1.166/1,535] + [2.403/14,108])}$$

$$\begin{aligned}
 &= 1.96 \times \sqrt{0.00076 + 0.00017} \\
 &= 1.96 \times \sqrt{0.00093} \\
 &= 1.96 \times 0.03 \\
 &= 0.06
 \end{aligned}$$

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 percentages

When testing the difference between two percentages, both percentages 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 percentages meet these conditions then the difference between the two percentages 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 percentages.

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

where

$B_1$  = number of births in the denominator of the first percentage

$B_2$  = number of births in the denominator of the second percentage

$$p = \frac{B_1 \times p_1 + B_2 \times p_2}{B_1 + B_2}$$

$p_1$  = the first percent divided by 100

$p_2$  = the second percent divided by 100

## Example

Is the percentage 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 percentages (calculations not shown). The difference between the two percentages 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 percentages (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 (138).

## Testing differences between two means

A previous report details the formula and procedure in testing differences between two means in which both means are based on 100 or more cases (31).

## Definitions of medical terms

Maternal and infant health characteristics available from both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth are presented in this report. The definitions below are based on those developed for the 2003 revision of the U.S. Standard Certificate of Live Birth (149). These definitions are similar to, but not the same as those developed for the 1989 revision of the U.S. Standard Certificate of Live Birth. For definitions used for the 1989 revision see "Births: Final Data for 2003." (4).

## Risk factors in this pregnancy

*Diabetes*—Glucose intolerance requiring treatment.

*Hypertension, pregnancy-associated*—Diagnosis in this pregnancy of elevation of blood pressure above normal for age, gender, and physiological condition.

*Hypertension, chronic*—Diagnosis prior to the onset of this pregnancy of elevation of blood pressure above normal for age, gender, and physiological condition.

## Obstetric procedures and characteristics of labor and delivery

*Induction of labor*—Initiation of uterine contractions by medical or surgical means for the purpose of delivery before the spontaneous onset of labor (i.e., before labor has begun).

*Tocolysis*—Administration of any agent with the intent to inhibit preterm uterine contractions to extend the length of the pregnancy.

*Meconium, moderate/heavy*—Staining of the amniotic fluid caused by passage of fetal bowel contents during labor and/or at delivery that is more than enough to cause a greenish color change of an otherwise clear fluid.

*Breech/Malpresentation*—Presenting part of the fetus listed as breech, complete breech, frank breech, footling breech.

*Precipitous labor*—Labor lasting less than 3 hours.

## Congenital anomalies

*Anencephaly*—Partial or complete absence of the brain and skull.

*Meningomyecele/Spina bifida*—Meningomyelocele is herniation of meninges and spinal cord tissue. Meningocele (herniation of meninges without spinal cord tissue) should also be included in this category. Both open and closed (covered with skin) lesions should be included. Spina bifida is herniation of the meninges and/or spinal cord tissue through a bony defect of spine closure.

*Omphalocele/Gastroschisis*—Omphalocele is a defect in the anterior abdominal wall, accompanied by herniation of some abdominal organs through a widened umbilical ring into the umbilical stalk. Gastroschisis is an abnormality of the anterior abdominal wall, lateral to the umbilicus, resulting in herniation of the abdominal contents directly into the amniotic cavity.

*Cleft lip/palate*—Cleft lip is incomplete closure of the lip. It may be unilateral, bilateral, or median. Cleft palate is incomplete fusion of the palatal shelves. It may be limited to the soft palate, or it may extend into the hard palate.

*Down's syndrome*—The most common chromosomal defect (trisomy 21).

## Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics include mean age of mother (31); Hispanic origin births (137,150); twin births (151); trends in teenage and young teen births (15); cesarean deliveries (81,152), attendant at birth, place of delivery, and obstetric procedures (153); births to unmarried mothers (34,139); trends in pregnancies and pregnancy rates (19,20), trends in smoking (154); trends in characteristics of births by state (32); birth outcome (155,156); and trends in reproduction and intrinsic rates (157).

**Contents**

Abstract.....	1
Highlights .....	2
Introduction .....	3
The 1989 and the 2003 Revisions of the U.S. Certificate of Live Birth.....	3
Methods .....	4
Demographic Characteristics .....	5
Births and birth rates .....	5
Sex ratio.....	9
Month of birth .....	10
Day of the week of birth .....	10
Births to unmarried women.....	10
Age of father .....	12
Educational attainment.....	12
Maternal Lifestyle and Health Characteristics .....	14
Weight gain in pregnancy.....	14
Risk factors in this pregnancy .....	14
Tobacco use during pregnancy .....	14
Medical Services Utilization .....	16
Prenatal care.....	16
Obstetric procedures .....	17
Characteristics of labor and delivery.....	17
Attendant at birth and place of delivery .....	18
Method of delivery .....	19
Infant Health Characteristics .....	21
Period of gestation .....	21
Birthweight .....	23
Apgar score.....	24
Congenital anomalies .....	24
Multiple births .....	25
References.....	27
List of Detailed Tables .....	31
Guide to Tables in Births: Final Data for 2004 .....	33
Technical Notes.....	88

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

Centers for Disease Control and Prevention  
 National Center for Health Statistics  
 3311 Toledo Road  
 Hyattsville, MD 20782

OFFICIAL BUSINESS  
 PENALTY FOR PRIVATE USE, \$300

To receive this publication regularly, contact  
 the National Center for Health Statistics by  
 calling 1-866-441-NCHS (6247)  
 E-mail: [nchsquery@cdc.gov](mailto:nchsquery@cdc.gov)  
 Internet: [www.cdc.gov/nchs](http://www.cdc.gov/nchs)

06-0148 (9/2006)  
 CS106009  
 T26562  
 DHHS Publication No. (PHS) 2006-1120

**Copyright information**

All material appearing in this report is in the public domain and may be reproduced or copied without permission; citation as to source, however, is appreciated.

**Suggested citation**

Martin JA, Hamilton BE, Sutton PD, et al. Births: Final data for 2004. National vital statistics reports; vol 55 no 1. Hyattsville, MD: National Center for Health Statistics. 2006.

**National Center for Health Statistics**

Director  
 Edward J. Sondik, Ph.D.  
 Acting Co-Deputy Directors  
 Jennifer H. Madans, Ph.D.  
 Michael H. Sadagursky

**Division of Vital Statistics**

Director, Charles J. Rothwell

MEDIA MAIL  
 POSTAGE & FEES PAID  
 CDC/NCHS  
 PERMIT NO. G-284

Table R-1. Number and rate of live births by pregnancy risk factors and by age, race and Hispanic origin of mother: Total of reporting areas, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004

[Rates are number of live births with specified risk factor per 1,000 live births in specified group]										
Risk factor and race of mother	All births 1	Factor reported	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2	
<b>All births</b>										
Diabetes	571,858	28,033	51.2	21.3	33.6	50.3	63.0	81.5	98.7	24,489
Prepregnancy (Diagnosis prior to this pregnancy)	571,858	3,950	7.2	2.9	5.5	7.1	8.3	11.1	14.0	24,489
Gestational (Diagnosis in this pregnancy)	571,858	24,083	44.0	18.4	28.1	43.2	54.7	70.4	84.7	24,489
Hypertension	571,858	32,615	59.6	57.9	53.9	58.4	60.2	68.0	90.2	24,489
Prepregnancy (Chronic)	571,858	7,659	14.0	5.7	9.2	12.7	17.0	23.9	32.8	24,489
Gestational (PIH, preeclampsia)	571,858	24,956	45.6	52.1	44.7	45.6	43.2	44.1	57.4	24,489
Eclampsia	---	---	---	---	---	---	---	---	---	---
Previous preterm birth	571,858	14,332	26.2	10.0	25.9	28.4	28.1	30.6	29.6	24,489
Other previous poor pregnancy outcome (includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)	571,858	19,977	36.5	14.2	29.4	35.9	41.6	53.9	70.6	24,489
Pregnancy resulted from fertility treatment	571,858	7,430	13.6	*	1.5	10.4	21.6	32.9	52.7	24,489
Mother had a previous cesarean delivery <sup>3</sup>	571,858	55,795	101.1	22.2	75.1	97.9	128.4	160.4	163.8	20,000

- Quantity zero.

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

--Data not available; see "Technical Notes."

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

2 No response reported for pregnancy risk factor item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

3 Differences in not stated levels for this risk factor compared with other risk factors is the result of editing procedures.

Table R-2. Number and rate of live births by obstetric procedure and by age, race and Hispanic origin of mother:  
 Total of reporting areas, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina,  
 Tennessee, and Washington, 2004

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

Obstetric procedure and race of mother	All births <sup>1</sup>	Procedure reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All births										
Cervical cerclage	571,858	2,425	4.4	2.4	3.5	4.4	5.4	6.1	6.2	25,522
Tocolysis	571,858	13,357	24.4	29.2	25.9	24.3	22.8	21.7	20.2	25,522
External cephalic version	571,858	1,839	3.4	3.4	3.6	3.2	3.3	3.1	4.4	25,522
Percent successful <sup>3</sup>	571,858	1,073	58.3	62.3	61.4	55.8	59.2	52.6	53.2	25,522

- Quantity zero.

\* 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 obstetric procedures.

<sup>2</sup>No response reported for obstetric procedure item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

<sup>3</sup>Percent successful external cephalic version is number of successful external cephalic versions per 100 live births to women with attempted external cephalic version in specified group.

Table R-3. Number and rate of live births by characteristics of labor and delivery by age, race and Hispanic origin of mother: Total of reporting areas, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004

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

Labor and delivery characteristic and race of mother	All births <sup>1</sup>	Characteristic reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All births										
Induction of labor	571,858	145,649	265.2	275.5	274.7	274.2	256.2	240.1	238.6	22,734
Augmentation of labor	571,858	135,407	246.6	306.7	268.0	247.1	225.5	204.8	189.3	22,734
Non-vertex presentation	571,858	15,765	28.7	18.4	21.7	27.2	34.2	39.7	50.5	22,734
Steroids for fetal lung maturation received by mother prior to delivery	571,858	6,882	12.5	14.8	12.5	12.1	11.9	12.4	15.2	22,734
Antibiotics received by mother during labor	571,858	103,275	188.1	226.7	195.7	185.0	177.3	172.4	169.0	22,734
Clinical chorioamnionitis/maternal temperature $\geq$ 38°C	571,858	5,606	10.2	15.8	11.0	9.7	9.4	7.1	7.7	22,734
Meconium, moderate/heavy	571,858	29,173	53.1	60.6	53.3	52.3	51.4	51.3	55.6	22,734
Fetal intolerance of labor	571,858	36,547	66.6	79.1	67.2	65.6	63.3	62.7	69.8	22,734
Epidural or spinal anesthesia during labor	571,858	373,674	680.5	689.3	659.8	671.1	701.1	697.1	679.6	22,734

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

1 Total number of births to residents of areas reporting specified labor and delivery characteristic.

2 No response reported for labor and delivery characteristic item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

Table R-4. Abnormal conditions of the newborn by age, race and Hispanic origin of mother: Total of reporting areas, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004

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

Abnormal condition and race of mother	All births <sup>1</sup>	Condition reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All births										
Assisted ventilation required immediately following delivery	571,858	28,738	52.5	58.6	52.5	50.8	50.4	53.6	60.6	24,333
Assisted ventilation required for more than six hours	571,858	7,038	12.9	14.9	12.8	12.6	11.9	13.6	14.7	24,333
NICU admission	571,858	36,004	65.8	68.4	62.4	61.9	65.8	75.2	84.7	24,333
Surfactant replacement	571,858	2,348	4.3	4.8	4.4	4.2	4.0	4.4	4.4	24,333
Antibiotics for suspected neonatal sepsis	571,858	12,263	22.4	27.6	23.0	21.3	21.0	22.1	22.9	24,333
Seizure/serious neurologic dysfunction	571,858	311	0.6	0.9	0.5	0.6	0.4	0.5	*	24,333
Significant birth injury	571,858	498	0.9	1.1	0.9	1.0	1.0	0.7	*	24,333

- Quantity zero.

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

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

2 No response reported for abnormal condition of the newborn item.

Table R-5. Number and rate of live births by method of delivery and by race and Hispanic origin of mother:  
 Total of reporting areas, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina,  
 Tennessee and Washington, 2004.

[Rates are number of live births per 100 live births in specified group]

	All births <sup>1</sup>	Reported	Percent
	All Races		
Attempted forceps/unsuccessful	571,858	1,895	0.4
Not stated	571,858	32,364	5.7
Attempted vacuum extraction/unsuccessful	571,858	4,626	0.9
Not stated	571,858	36,021	6.3
Fetal presentation at birth			
Cephalic	571,858	507,793	93.1
Breech	571,858	21,471	3.9
Other	571,858	16,380	3.0
Not stated	571,858	26,214	4.6
Final route and method of delivery			
Vaginal/Spontaneous	571,858	354,479	64.3
Vaginal/Forceps	571,858	6,569	1.2
Vaginal/Vacuum	571,858	27,702	5.0
Cesarean	571,858	162,357	29.5
Not stated	571,858	20,751	3.6
Cesarean/trial of labor attempted	571,858	56,683	36.2
Not stated	571,858	25,685	14.1

<sup>1</sup>Total number of births to residents of areas reporting the specified item

Table R-6. Number and rate of live births by congenital anomaly of the newborn and by age of mother: Total of reporting areas, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004

[Rates are number of live births with specified anomaly per 100,000 live births in specified group]

Congenital anomaly	All births <sup>1</sup>	Congenital anomaly reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All births										
Anencephaly	571,858	76	13.9	*	14.6	13.6	*	*	*	25,709
Menigomyelocele/spina bifida	571,858	100	18.3	*	14.6	19.1	*	*	*	25,709
Cyanotic congenital heart disease	571,858	440	80.6	46.3	85.5	74.9	72.8	109.5	162.6	25,709
Congenital diaphragmatic hernia	571,858	84	15.4	*	16.1	15.7	16.9	*	*	25,709
Omphalocele	571,858	57	10.4	*	*	*	*	*	*	25,709
Gastroschisis	571,858	140	25.6	89.0	50.5	*	*	*	*	25,709
Limb reduction defect	571,858	185	33.9	40.8	44.6	40.2	22.2	*	*	25,709
Cleft lip with or without cleft palate	571,858	364	66.6	81.5	75.3	62.6	55.2	62.6	*	25,709
Cleft palate alone	571,858	182	33.3	*	33.6	36.8	32.2	*	*	25,709
Down syndrome	571,858	388	71.0	46.3	34.4	40.2	52.1	189.3	480.6	25,709
Suspected chromosomal disorder	571,858	321	58.8	48.2	51.2	47.0	47.5	101.7	205.0	25,709
Hypospadias	571,858	511	93.6	87.1	92.1	96.7	86.6	106.4	*	25,709

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

1 Total number of births to residents of areas reporting specified congenital anomaly.

2 No response reported for congenital anomaly of the newborn item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

Table U-1. Number of live births by drinking status and percent drinkers by age of mother: Total of 40 reporting States, New York City and the District of Columbia, 2004

Drinking status	All ages	Age of mother									
		Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
			Total	15-17 years	18-19 years						
All births		Number									
Total	2,762,733	4,842	286,886	93,197	193,689	710,122	749,343	638,524	304,435	68,581	
Drinker	19,971	17	1,436	421	1,015	4,401	4,387	5,065	3,553	1,112	
Nondrinker	2,711,059	4,774	283,190	92,106	191,084	699,171	736,230	624,807	296,545	66,342	
Not stated	31,703	51	2,260	670	1,590	6,550	8,726	8,652	4,337	1,127	
All births		Percent									
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Drinker	0.7	*	0.5	0.5	0.5	0.6	0.6	0.8	1.2	1.6	
Nondrinker	99.3	99.6	99.5	99.5	99.5	99.4	99.4	99.2	98.8	98.4	

NOTES: Excludes data for California, which did not require reporting of alcohol use during pregnancy.

Also excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which implemented the 2003 Revision to the U.S. Standard

Certificate of Live Birth which does not include an item on alcohol use; see "Technical Notes" of "Births: Final Data for 2004."

Table U-2. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 2004

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

Medical risk factor and race of mother	All births 1	Medical risk factor reported	Age of mother							Not stated 2
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
<b>All races 3</b>										
Anemia 4	3,307,576	74,605	22.8	32.2	27.7	20.9	18.2	17.8	18.6	29,677
Cardiac disease 4	3,307,576	12,411	3.8	2.1	2.8	3.5	4.6	5.7	6.8	29,677
Acute or chronic lung disease 4	3,307,576	36,938	11.3	13.6	11.6	10.8	10.4	10.7	12.7	29,677
Diabetes	4,112,052	146,435	35.8	11.2	20.4	34.1	46.9	61.8	80.9	17,761
Genital herpes 4,5	2,926,283	25,553	8.8	6.0	7.9	8.1	9.5	12.2	12.9	26,114
Hydramnios/Oligohydramnios 4	3,307,576	45,205	13.8	14.6	13.8	13.3	13.4	14.1	17.6	29,677
Hemoglobinopathy 4	3,307,576	2,784	0.8	1.1	0.9	0.8	0.7	0.9	0.9	29,677
Hypertension, chronic	4,112,052	39,380	9.6	3.5	5.7	8.7	11.8	17.4	26.7	17,761
Hypertension, pregnancy-associated	4,112,052	155,246	37.9	41.4	37.2	37.4	36.1	38.7	48.8	17,761
Eclampsia	4,112,052	11,190	2.7	3.6	2.8	2.5	2.5	2.8	3.8	17,761
Incompetent cervix 4	3,307,576	9,419	2.9	1.4	2.0	2.8	3.7	4.3	5.2	29,677
Previous infant 4000+ grams 4	3,307,576	29,691	9.1	1.1	5.0	9.4	12.8	14.9	17.5	29,677
Previous preterm or small-for-gestational-age infant 4	3,307,576	35,926	11.0	3.6	10.2	11.7	12.4	13.9	14.5	29,677
Renal disease 4	3,307,576	8,642	2.6	2.8	2.9	2.8	2.3	2.2	2.1	29,677
Rh sensitization 4,6	3,267,907	19,425	6.0	4.7	5.5	6.0	6.6	6.8	6.8	29,647
Uterine bleeding 4,5	2,926,283	13,984	4.8	3.6	4.4	4.8	5.1	5.7	6.7	26,114
<b>White</b>										
Anemia 4	2,590,115	51,071	19.9	28.4	23.8	18.4	16.4	16.1	16.7	23,318
Cardiac disease 4	2,590,115	10,118	3.9	2.1	2.8	3.6	4.8	5.9	7.1	23,318
Acute or chronic lung disease 4	2,590,115	27,253	10.6	11.8	10.6	10.3	10.3	10.7	12.5	23,318
Diabetes	3,222,928	109,811	34.2	11.3	20.1	32.1	43.6	57.4	75.5	13,490
Genital herpes 4,5	2,265,477	19,410	8.6	5.5	7.2	7.7	9.6	13.0	13.7	20,372
Hydramnios/Oligohydramnios 4	2,590,115	34,093	13.3	14.0	13.4	12.8	12.9	13.6	16.9	23,318
Hemoglobinopathy 4	2,590,115	1,019	0.4	0.3	0.3	0.4	0.4	0.6	0.6	23,318
Hypertension, chronic	3,222,928	26,628	8.3	3.0	4.9	7.6	10.2	14.2	21.1	13,490
Hypertension, pregnancy-associated	3,222,928	122,862	38.3	40.5	37.6	38.5	36.8	38.4	47.7	13,490
Eclampsia	3,222,928	8,239	2.6	3.1	2.6	2.3	2.4	2.7	3.6	13,490
Incompetent cervix 4	2,590,115	6,298	2.5	1.2	1.6	2.2	3.2	3.9	4.6	23,318
Previous infant 4000+ grams 4	2,590,115	26,360	10.3	1.3	5.5	10.5	14.3	16.8	19.9	23,318
Previous preterm or small-for-gestational-age infant 4	2,590,115	27,793	10.8	3.4	9.7	11.4	12.4	13.8	14.6	23,318
Renal disease 4	2,590,115	7,473	2.9	3.3	3.3	3.1	2.5	2.4	2.2	23,318
Rh sensitization 4,6	2,554,943	17,400	6.9	5.4	6.2	6.8	7.6	7.8	7.8	23,295
Uterine bleeding 4,5	2,265,477	11,310	5.0	3.7	4.5	5.0	5.4	5.8	6.9	20,372
<b>Black</b>										
Anemia 4	479,652	17,889	37.6	40.7	41.4	35.8	33.3	32.0	31.6	4,423
Cardiac disease 4	479,652	1,593	3.4	1.9	2.6	3.4	4.8	5.5	6.0	4,423
Acute or chronic lung disease 4	479,652	7,669	16.1	19.1	16.2	15.9	14.7	13.7	14.3	4,423
Diabetes	616,074	20,923	34.1	9.9	20.1	37.0	55.7	74.2	95.4	2,709
Genital herpes 4,5	437,311	5,138	11.9	7.5	11.4	13.5	14.4	13.0	11.8	3,890
Hydramnios/Oligohydramnios 4	479,652	7,826	16.5	16.2	15.1	15.9	18.4	18.6	22.8	4,423
Hemoglobinopathy 4	479,652	1,594	3.4	3.5	3.5	3.5	3.0	3.0	2.7	4,423
Hypertension, chronic	616,074	10,995	17.9	5.1	9.2	17.2	29.2	46.4	68.9	2,709
Hypertension, pregnancy-associated	616,074	25,522	41.6	44.2	37.8	39.5	43.5	49.5	58.7	2,709
Eclampsia	616,074	2,361	3.8	4.5	3.4	3.6	3.9	4.1	5.6	2,709
Incompetent cervix 4	479,652	2,603	5.5	1.9	3.6	6.4	9.3	8.9	9.9	4,423
Previous infant 4000+ grams 4	479,652	1,763	3.7	0.5	2.4	4.4	6.6	6.8	7.0	4,423
Previous preterm or small-for-gestational-age infant 4	479,652	5,885	12.4	4.2	12.1	14.9	15.7	16.0	14.8	4,423
Renal disease 4	479,652	734	1.5	1.3	1.6	1.6	1.5	2.0	4,423	
Rh sensitization 4,6	476,810	1,596	3.4	3.0	3.4	3.3	3.6	3.7	3.8	4,417
Uterine bleeding 4,5	437,311	1,786	4.1	3.2	4.0	4.0	4.7	5.2	6.2	3,890

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

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

2 No response reported for the medical risk factor item.

3 Includes races other than white and black.

4 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth.

5 Texas does not report this risk factor.

6 Kansas does not report this risk factor.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U-3. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother:  
United States, 2004

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

Complication and race of mother	All births 1	Complication reported	Age of mother							
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
<b>All races 3</b>										
Febrile 4	3,307,576	49,620	15.1	20.6	15.7	14.9	14.4	12.1	10.1	25,185
Meconium, moderate/heavy	4,112,052	198,250	48.3	54.8	49.7	47.5	46.2	46.3	47.8	11,576
Premature rupture of membrane 4	3,307,576	64,483	19.6	21.1	18.8	19.0	19.6	21.0	23.0	25,185
Abruption placenta 4	3,307,576	17,045	5.2	5.2	5.1	4.8	5.0	6.0	7.8	25,185
Placenta previa 4	3,307,576	10,822	3.3	1.0	1.8	2.8	4.4	6.4	9.1	25,185
Other excessive bleeding 4	3,307,576	18,598	5.7	5.3	5.3	5.4	5.9	6.3	8.2	25,185
Seizures during labor 4	3,307,576	964	0.3	0.6	0.3	0.2	0.2	0.3	0.3	25,185
Precipitous labor	4,112,052	78,516	19.2	13.0	17.8	19.3	21.1	22.8	22.0	16,266
Prolonged labor 4	3,307,576	22,825	7.0	8.7	7.2	6.8	6.5	6.1	7.0	25,185
Dysfunctional labor 4	3,307,576	88,251	26.9	29.3	26.3	26.1	26.5	27.6	30.7	25,185
Breech/Malpresentation	4,112,052	170,141	41.6	29.5	33.5	40.4	47.8	54.7	65.3	21,111
Cephalopelvic disproportion 4	3,307,576	48,080	14.6	16.5	14.0	14.6	14.6	14.6	14.8	25,185
Cord prolapse 4	3,307,576	5,682	1.7	1.4	1.6	1.8	1.8	2.0	2.5	25,185
Anesthetic complication 4,5	2,926,283	1,538	0.5	0.4	0.5	0.5	0.6	0.6	0.7	25,070
Fetal distress 4,5	2,926,283	108,232	37.3	42.3	37.1	35.6	36.0	38.3	44.7	25,070
<b>White</b>										
Febrile 4	2,590,115	37,313	14.5	20.4	15.6	14.2	13.4	11.4	9.6	19,762
Meconium, moderate/heavy	3,222,928	145,501	45.3	50.4	46.6	44.4	43.5	43.9	45.5	8,682
Premature rupture of membrane 4	2,590,115	48,437	18.8	19.7	17.8	18.3	19.1	20.3	22.5	19,762
Abruption placenta 4	2,590,115	12,725	5.0	4.9	4.9	4.6	4.8	5.8	7.5	19,762
Placenta previa 4	2,590,115	8,238	3.2	1.0	1.7	2.8	4.2	6.0	8.5	19,762
Other excessive bleeding 4	2,590,115	14,604	5.7	5.5	5.4	5.4	5.9	6.2	8.2	19,762
Seizures during labor 4	2,590,115	686	0.3	0.5	0.3	0.2	0.2	0.2	*	19,762
Precipitous labor	3,222,928	60,327	18.8	12.0	16.8	18.8	21.0	22.8	22.4	12,546
Prolonged labor 4	2,590,115	17,891	7.0	8.9	7.4	6.7	6.4	6.2	7.2	19,762
Dysfunctional labor 4	2,590,115	67,028	26.1	28.8	25.9	25.3	25.3	26.7	30.2	19,762
Breech/Malpresentation	3,222,928	137,099	42.8	30.8	34.2	41.3	48.8	55.4	66.0	16,142
Cephalopelvic disproportion 4	2,590,115	38,273	14.9	17.0	14.6	15.0	14.4	14.6	15.1	19,762
Cord prolapse 4	2,590,115	4,406	1.7	1.4	1.5	1.7	1.8	1.9	2.7	19,762
Anesthetic complication 4,5	2,265,477	1,207	0.5	0.4	0.5	0.5	0.6	0.7	0.6	19,669
Fetal distress 4,5	2,265,477	80,205	35.7	40.1	36.0	34.0	34.3	36.8	43.5	19,669
<b>Black</b>										
Febrile 4	479,652	6,842	14.4	20.7	14.4	12.9	12.3	10.8	8.3	3,603
Meconium, moderate/heavy	616,074	39,234	63.8	67.0	61.1	63.6	65.7	65.4	64.3	1,561
Premature rupture of membrane 4	479,652	10,723	22.5	23.9	21.2	21.4	23.1	25.7	26.7	3,603
Abruption placenta 4	479,652	3,190	6.7	6.1	6.3	6.7	7.3	7.7	10.4	3,603
Placenta previa 4	479,652	1,451	3.0	1.0	1.9	3.1	4.7	7.0	8.9	3,603
Other excessive bleeding 4	479,652	2,128	4.5	3.5	3.8	4.5	5.1	6.7	7.7	3,603
Seizures during labor 4	479,652	220	0.5	0.9	0.4	0.3	0.4	*	*	3,603
Precipitous labor	616,074	12,558	20.5	15.0	20.5	22.3	22.1	22.9	19.8	2,101
Prolonged labor 4	479,652	2,815	5.9	7.5	5.7	5.5	5.7	4.8	6.7	3,603
Dysfunctional labor 4	479,652	13,162	27.6	29.4	26.0	26.6	29.6	29.6	27.9	3,603
Breech/Malpresentation	616,074	22,690	37.0	25.9	31.1	37.9	46.5	55.8	65.1	3,229
Cephalopelvic disproportion 4	479,652	5,267	11.1	14.2	11.1	9.9	10.2	10.1	8.0	3,603
Cord prolapse 4	479,652	857	1.8	1.3	1.7	2.0	1.9	2.5	2.0	3,603
Anesthetic complication 4,5	437,311	227	0.5	0.4	0.4	0.6	0.7	0.7	*	3,592
Fetal distress 4,5	437,311	19,729	45.5	48.6	42.1	42.9	48.7	51.0	55.9	3,592

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

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

2 No response reported for the complications item.

3 Includes races other than white and black.

4 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth.

5 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 standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U-4. 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, 2004

Medical risk factor and complication	All births to mothers with specified condition and/or procedure	Cesarean delivery rate		Rate of vaginal birth after previous cesarean 3
		Total 1	Primary 2	
<b>Medical risk factors</b>				
Anemia 4	74,605	29.0	19.8	10.4
Cardiac disease 4	12,411	34.8	25.2	9.3
Acute or chronic lung disease 4	36,938	31.9	22.9	10.0
Diabetes	146,435	44.3	32.9	6.8
Genital herpes 4,5	25,553	37.7	30.6	13.3
Hydramnios/Oligohydramnios 4	45,205	42.3	36.1	7.9
Hemoglobinopathy 4	2,784	33.2	24.4	9.2
Hypertension, chronic	39,380	49.6	39.2	6.3
Hypertension, pregnancy-associated	155,246	45.1	39.2	6.1
Eclampsia	11,190	55.9	50.1	3.9
Incompetent cervix 4	9,419	43.0	35.2	12.3
Renal disease 4	8,642	31.3	22.8	11.1
Rh sensitization 4,6	19,425	30.0	20.7	9.3
Uterine bleeding 4,5	13,984	39.0	30.6	11.1
<b>Complications of labor and/or delivery</b>				
Febrile 4	49,620	33.2	32.0	35.0
Meconium, moderate/heavy	198,250	24.7	21.6	27.8
Premature rupture of membrane 4	64,483	32.6	28.3	18.9
Abruptio placenta 4	17,045	65.0	60.5	7.8
Placenta previa 4	10,822	82.3	78.1	1.9
Other excessive bleeding 4	18,598	36.7	29.1	13.8
Seizures during labor 4	964	56.8	53.8	*
Precipitous labor (less than 3 hours)	78,516	3.1	2.2	70.3
Prolonged labor (more than 20 hours) 4	22,825	38.8	38.2	44.2
Dysfunctional labor 4	88,251	74.1	72.9	8.5
Breech/Malpresentation	170,141	87.1	85.6	2.6
Cephalopelvic disproportion 4	48,080	96.1	96.0	2.2
Cord prolapse 4	5,682	65.4	63.5	8.4
Anesthetic complication 4,5	1,538	45.3	36.7	9.9
Fetal distress 4,5	108,232	64.7	63.2	12.3

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

1 Percent of all live births by cesarean delivery.

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

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

4 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth; see "Technical Notes" of "Births: Final Data for 2004."

5 Texas does not report this risk factor or complication.

6 Kansas does not report this risk factor.

Table U-5. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: Total of 41 States, New York City and the District of Columbia, 2004

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

Abnormal condition and race of mother	All births 1	Abnormal condition reported	Age of mother							Not stated 2
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
<b>All races 3</b>										
Anemia	3,307,576	3,025	0.9	1.0	0.8	0.9	0.9	1.1	1.4	28,688
Birth injury 4	2,899,951	7,783	2.7	3.2	3.0	2.6	2.6	2.3	2.4	28,354
Fetal alcohol syndrome 5	3,237,430	95	0.0	*	*	0.0	*	0.1	*	28,597
Hyaline membrane disease/RDS	3,307,576	18,920	5.8	6.3	5.9	5.6	5.5	5.6	7.4	28,688
Meconium aspiration syndrome	3,307,576	4,425	1.3	1.7	1.5	1.3	1.2	1.3	1.5	28,688
Assisted ventilation less than 30 minutes 6	3,188,508	57,124	18.0	18.2	16.9	17.3	18.8	20.0	21.3	23,631
Assisted ventilation 30 minutes or longer 6	3,188,508	28,625	9.0	10.4	8.8	8.6	8.7	9.6	11.9	23,631
Seizures	3,307,576	1,466	0.4	0.6	0.5	0.4	0.4	0.4	0.5	28,688
<b>White</b>										
Anemia	2,590,115	2,232	0.9	0.8	0.8	0.9	1.1	1.3	22,404	
Birth injury 4	2,241,773	6,501	2.9	3.6	3.4	2.8	2.7	2.4	2.6	22,125
Fetal alcohol syndrome 5	2,530,127	53	0.0	*	*	*	*	*	*	22,323
Hyaline membrane disease/RDS	2,590,115	14,934	5.8	6.0	5.9	5.8	5.6	5.7	7.2	22,404
Meconium aspiration syndrome	2,590,115	3,354	1.3	1.7	1.4	1.3	1.1	1.2	1.3	22,404
Assisted ventilation less than 30 minutes 6	2,522,361	46,080	18.4	18.1	16.9	17.5	19.5	20.8	22.7	19,281
Assisted ventilation 30 minutes or longer 6	2,522,361	22,000	8.8	10.0	8.4	8.3	8.6	9.5	11.6	19,281
Seizures	2,590,115	1,165	0.5	0.6	0.5	0.5	0.4	0.4	0.5	22,404
<b>Black</b>										
Anemia	479,652	578	1.2	1.2	1.0	1.3	1.4	1.4	2.3	4,154
Birth injury 4	435,738	644	1.5	1.8	1.5	1.3	1.5	1.4	*	4,113
Fetal alcohol syndrome 5	473,051	20	0.0	*	*	*	*	*	*	4,146
Hyaline membrane disease/RDS	479,652	3,087	6.5	7.1	6.1	6.3	6.5	6.4	9.8	4,154
Meconium aspiration syndrome	479,652	763	1.6	1.6	1.5	1.4	2.0	1.9	*	4,154
Assisted ventilation less than 30 minutes 6	444,615	8,251	18.7	19.0	17.6	18.5	19.6	20.6	20.4	2,849
Assisted ventilation 30 minutes or longer 6	444,615	5,241	11.9	11.8	10.7	11.9	13.1	13.8	14.5	2,849
Seizures	479,652	210	0.4	0.6	0.4	0.4	0.4	*	*	4,154

\* 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.

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

2 No response reported for the abnormal condition item.

3 Includes races other than white and black.

4 Nebraska and Texas do not report this condition.

5 Wisconsin does not report this condition.

6 New York City does not report this condition.

Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth; see "Technical Notes" of "Births: Final Data for 2004."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U-6. Live births by 5-minute Apgar score, by race of mother: Total of 48 States and the District of Columbia, 2004

Race of mother	Total	5-minute Apgar score											
		0	1	2	3	4	5	6	7	8	9	10	Not stated
All races <sup>1,2</sup>	3,185,916	1,741	6,404	3,254	3,540	4,914	8,975	19,394	51,225	256,912	2,636,686	176,437	16,434
White	2,456,960	1,104	3,784	2,031	2,377	3,411	6,356	13,918	38,502	200,239	2,027,066	146,285	11,887
Black	541,684	547	2,342	1,093	1,019	1,302	2,253	4,603	10,444	44,421	448,200	21,771	3,689

1 Includes races other than white and black.

2 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 standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U -7. Live births to mothers with selected obstetric procedures and rates: United States, 41 states  
New York City and the District of Columbia, 2004

[Rates are number of live births with specified obstetric procedure\* per 1,000 live births in specified group]

Medical risk factor and race of mother	All births 1	Procedure reported	Rate	Not stated 2
All races				
Amniocentesis 3	3,307,576	48,806	14.9	21,795
Electronic fetal monitoring 3	3,307,576	2,807,236	854.4	21,795
Stimulation of labor	3,307,576	537,564	163.6	21,795
Ultrasound 3	3,307,576	2,208,687	672.2	21,795

\* for information on obstetric procedures induction of labor and tocolysis, see Births: "Final Data for 2004," table 25

1 Total number of births to residents of areas reporting specified obstetric procedure.

2 No response reported.

3 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."