

**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
```



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 02 03 04 05 06 07 08 09 10 11 12	January February March April May June July August September October November December
21-28	8	FILLER	<b>Filler</b>			Blank	
29	1	DOB_WK	<b>Weekday</b>		U,R	1 2 3 4 5 6 7	Sunday Monday Tuesday Wednesday Thursday Friday Saturday
30-31	2	OSTATE	<b>Occurrence State</b>		U,R		
			<u>United States</u>			AK AL	Alaska 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

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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

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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	<b>Filler</b>			Blank	
37-39	3	OCNTYFIPS	<b>Occurrence FIPS County</b>		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
							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.
						999	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 1	Reported age not used Reported age used
89-90	2	MAGER	<b>Mother's Single Year of Age</b>		U,R	12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	10-12 years 13 years 14 years 15 years 16 years 17 years 18 years 19 years 20 years 21 years 22 years 23 years 24 years 25 years 26 years 27 years 28 years 29 years 30 years 31 years 32 years 33 years 34 years 35 years 36 years 37 years 38 years 39 years 40 years 41 years 42 years 43 years 44 years 45 years 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).

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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

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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

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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

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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

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
114-116	3	MRCNTYFIPS	<b>Mother's County of Residence (FIPS)</b>		U,R	000 001-999	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 00001-99999	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 <u>United States</u></b>		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

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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- 9360	A complete list of MSA's and their component counties is available in the Geographic Code Outline, which follows the record layout.
						9999	Area of less than 100,000
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

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
137	1	RECTYPE	<b>Record Type</b>		U,R	1 2	RESIDENT: State and county of occurrence and residence are the same. NONRESIDENT: State and county of occurrence and residence are different.
138	1	RESTATUS	<b>Residence Status</b> <u>United States</u>		U,R	1 2 3 4	RESIDENT: State and county of occurrence and residence are the same. INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different. INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 US states or District of Columbia. 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 2 3 4	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.) INTRATERRITORY NONRESIDENT: Territory of occurrence and residence are the same but county is different. INTERTERRITORY RESIDENT: Territory of occurrence and residence are different but both are US Territories. 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 02 03 04 05 06 07 08 09 10 11 12 13	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

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
						14	Other Pacific Islander – single race
						21	White – bridged multiple race
						22	Black – bridged multiple race
						23	American Indian / Alaskan Native – bridged multiple race
						24	Asian / Pacific Islander – bridged multiple race
						Blank	Not on certificate
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

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
			<u>Guam</u>			01 02 03 04 05 06 07 08 58 Blank	White Black American Indian / Alaskan Native Chinese Japanese Hawaiian (includes part Hawaiian) Filipino Other Asian or Pacific Islander Gumanian Not on certificate
			<u>All other Outlying Areas of the United States</u>			01 02 03 04 05 06 07 08 Blank	White Black American Indian / Alaskan Native Chinese Japanese Hawaiian (includes part Hawaiian) Filipino Other Asian or Pacific Islander Not on certificate
143	1	MRACEREC	<b>Mother'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 2 3 4	White Black American Indian / Alaskan Native Asian / Pacific Islander
			<u>Puerto Rico</u>			1 2 0	White Black Other (not classified as White or Black)
144	1	MRACEIMP	<b>Mother's Race Imputed Flag</b>		U,R	Blank 1 2	Mother's race not imputed Unknown race imputed 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.				
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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  1 2 3 9	Yes No Unknown or not Stated  Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated
			<u>Puerto Rico</u>				
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

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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.				

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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 Blank	Father's combined age in years or not stated 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 Blank	Father's combined age in years or not stated 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

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
						Blank	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 2 3 4 9	White Black American Indian / Alaskan Native Asian / Pacific Islander Unknown or not stated
			<u>Puerto Rico</u>			1 2 9 0	White Black Unknown or not stated 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 1 2 3 4 5 9	Non-Hispanic Mexican Puerto Rican Cuban Central American Other and Unknown Hispanic Origin unknown or not stated
196	1	FRACEHISP	<b>Father's Race/Hispanic Origin</b>	570	U,R	1 2 3 4 5 6 7	Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Non-Hispanic White Non-Hispanic Black

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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	Gumanian

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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 99	Number of children still living Unknown or not stated
206-207	2	PRIORDEAD	<b>Prior Births Now Dead</b>		U,R	00-30 99	Number of children dead Unknown or not stated
208-209	2	PRIORTERM	<b>Prior Other Terminations</b>		U,R	00-30 99	Number other terminations Unknown or not stated
210-211	2	LBO	<b>Live Birth Order</b>		U,R	01-31  99	Sum of all previous live births (now living and now dead) plus current birth Unknown or not stated
212	1	LBO_REC	<b>Live Birth Order Recode</b>		U,R	1-7 8 9	Live birth order Live birth order of 8 or more 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  99	Sum of all previous pregnancies plus current birth Unknown or not stated

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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>Moht 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

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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

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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	Inadequate
						2	Intermediate
						3	Adequate
						4	Adequate +
						5	Unknown
						Blank	Not on certificate
276-277	2	WTGAIN	<b>Weight Gain</b>	648	U,R	00-97	Weight gain in pounds
						98	98 pounds and over
						99	Unknown or not stated
278	1	WTGAIN_REC	<b>Weight Gain Recode</b>	648	U,R	1	Less than 16 pounds
						2	16 to 20 pounds
						3	21 to 25 pounds
						4	26 to 30 pounds
						5	31 to 35 pounds
						6	36 to 40 pounds
						7	41 to 45 pounds
						8	46 or more pounds
						9	Unknown or not stated
279	1	U_APNCU	<b>Adequacy of Prenatal Care Utilization Index</b>	669	U	1	Inadequate
						2	Intermediate
						3	Adequate
						4	Adequate +
						5	Unknown
						Blank	Not on certificate
280	1	DFPC_IMP	<b>Day of Date First Prenatal Care Imputed</b>		R	Blank	Day of date first prenatal care not imputed
						1	Day of date first prenatal care imputed

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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

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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

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						U Blank	Unknown or not stated 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><u>Risk Factors</u></b> The checkbox items below follow this structure: The version is all 1989 Standard unless otherwise noted.				1 2 9 Blank	Yes No Unknown Not on certificate
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,R		
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		

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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 N U Blank	Yes No Unknown or not stated 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 2 9 Blank	Yes No Unknown or not stated 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 N U Blank	Yes No Unknown or not stated 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		

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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		

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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			

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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

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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>		U,R	00-98 99	0 through 98 <sup>th</sup> week of gestation Unknown or not stated

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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

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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>					
		The checkbox items below follow this structure:					
						Y	Yes, Complication reported
						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>					
		The checkbox items below follow this structure:					
						1	Complication reported
						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		
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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 N U Blank	Yes, anomaly reported No, anomaly not reported Unknown 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

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504-525	22	<b><u>Congenital Anomalies of the Newborn</u></b> The checkbox items below follow this structure: The version is all 1989 Standard unless otherwise noted.				1	Anomaly reported
						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_OMPHA	<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_CELFTLP	<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

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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_INFT	<b>Infertility Treatment</b>		R		
591	1	F_RF_INFT_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		

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

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

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732	1	F_U_PRIMAC	<b>Primary C-Section</b>		U		
733	1	F_U_REPEAC	<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 Atrseia / Stenosis</b>		U		
760	1	F_UCA_TRACHEO	<b>Tracheo-Esophageal Fistula</b>		U		
761	1	F_UCA_OMPHALO	<b>Omphalocele / Gastroschisis</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>Diaphramatic 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	

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
1088-1111	24	<b><u>Mother's Race Edited</u></b>			R**	100-999	Mother's Race Edited Code A00-R99 (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> .)
1088	3	MRACE1E					
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	Father's Race Edited Code A00-R99 (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> .)
1422	3	FRACE1E					
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

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## 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 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	Place
CA						California	
	001	201	1			Alameda	CA 001 0 5775
				002	4	Alameda	00562
				003	6	Albany	00674
				025	3	Berkeley	06000
				073	5	Dublin	20018
				090	3	Fremont	26000
				103	3	Hayward	33000
				135	4	Livermore	41992
				173	5	Newark	50916
				179	2	Oakland	53000
				199	6	Piedmont	56938
				204	4	Pleasanton	57792
				242	4	San Leandro	68084
				287	4	Union City	81204
				999	9	Balance of county	99999
	002	000	2	999	9	Alpine	003 9 0000
	003	000	2	999	9	Amador	005 5 0000
	004	056	1			Butte	007 3 1620
				042	4	Chico	13014
				184	6	Oroville	54386
				193	5	Paradise	55520
				999	9	Balance of county	99999
	005	000	2	999	9	Calaveras	009 5 0000
	006	000	2	999	9	Colusa	011 6 0000
	007	201	1			Contra Costa	013 1 5775
				006	4	Antioch	02252
				312	6	Brentwood	08142
				317	6	Clayton	13882
				052	3	Concord	16000
				064	5	Danville	17988
				077	6	El Cerrito	21796
				105	6	Hercules	33308
				118	6	Lafayette	39122
				151	5	Martinez	46114
				167	6	Moraga	49187
				336	5	Oakley	53070
				183	6	Orinda	54232
				200	6	Pinole	57288
				201	4	Pittsburg	57456
				203	5	Pleasant Hill	57764
				218	4	Richmond	60620
				247	5	San Pablo	68294
				249	5	San Ramon	68378
				295	4	Walnut Creek	83346
				999	9	Balance of county	99999
	008	000	2	999	9	Del Norte	015 5 0000
	009	239	1			El Dorado	017 3 6920
				270	6	South Lake Tahoe	73108
				999	9	Balance of county	99999
	010	104	1			Fresno	019 1 2840
				047	4	Clovis	14218
				318	6	Coalinga	14274
				091	2	Fresno	27000
				337	6	Parlier	55856
				216	6	Reedley	60242
				238	6	Sanger	67056
				264	6	Selma	70882
				999	9	Balance of county	99999
	011	000	2	999	9	Glenn	021 5 0000
	012	000	2			Humboldt	023 3 0000
				009	6	Arcata	02476
				083	5	Eureka	23042
				319	6	Fortuna	25296
				999	9	Balance of county	99999
	013	000	2			Imperial	025 3 0000
				027	6	Brawley	08058
				032	5	Calexico	09710
				076	5	El Centro	21782
				999	9	Balance of county	99999
	014	000	2	999	9	Inyo	027 6 0000
	015	020	1			Kern	029 1 0680
				308	6	Arvin	02924
				016	3	Bakersfield	03526
				066	5	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	999	9		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	999	9		Modoc		049	9	0000	
	026	000	2	999	9		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	9		Plumas		063	6	0000	
	033	233	1				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	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	236	1	San Francisco, coext. with San Francisco	075 1 7360
	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	999	9		Sierra		091	9	0000	
	047	000	2	999	9		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	999	9		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	999	9		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	
				999	Balance of county					99999
	057	307	1		Yolo		113	3	9270	
				065	Davis					18100
				301	West Sacramento					84816
				303	Woodland					86328
				999	Balance of county					99999
	058	310	1		Yuba		115	4	9340	
				152	Marysville					46170
				999	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	999	9		Windham		015	3	0000	

Vital Statistics Codes					FIPS Codes						
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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 Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
DC	001	296	1	001	1	District of Columbia	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	9	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	9	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			Bulloch		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	Glascok	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	Screven	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
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	999	9	Lemhi		059	9	0000	
	031	000	2	999	9	Lewis		061	9	0000	
	032	000	2	999	9	Lincoln		063	9	0000	
	033	000	2			Madison		065	5	0000	
				009	6	Rexburg					67420
				999	9	Balance of county					99999
	034	000	2	999	9	Minidoka		067	6	0000	
	035	000	2			Nez Perce		069	5	0000	
				005	5	Lewiston					46540
				999	9	Balance of county					99999
	036	000	2	999	9	Oneida		071	9	0000	
	037	000	2	999	9	Owyhee		073	6	0000	
	038	000	2	999	9	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	999	9	Shoshone		079	6	0000	
	041	000	2	999	9	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	999	9	Valley		085	9	0000	
	044	000	2	999	9	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	9	Alexander		003	9	0000	
	003	000	2	999	9	Bond		005	6	0000	
	004	237	1			Boone		007	5	6880	
				011	6	Belvidere					05092
				245	6	Loves Park, part					45031
				999	9	Balance of county					99999
	005	000	2	999	9	Brown		009	9	0000	
	006	000	2	999	9	Bureau		011	5	0000	
	007	000	2	999	9	Calhoun		013	9	0000	
	008	000	2	999	9	Carroll		015	6	0000	
	009	000	2	999	9	Cass		017	6	0000	
	010	048	1			Champaign		019	3	1400	
				032	4	Champaign					12385
				139	6	Rantoul village					62783
				160	5	Urbana					77005
				999	9	Balance of county					99999
	011	000	2			Christian		021	5	0000	
				158	6	Taylorville					74574
				999	9	Balance of county					99999
	012	000	2	999	9	Clark		023	6	0000	
	013	000	2	999	9	Clay		025	6	0000	
	014	243	1			Clinton		027	5	7040	
				031	6	Centralia, part					12164
				999	9	Balance of county					99999
	015	000	2			Coles		029	4	0000	
				033	6	Charleston					12567
				105	6	Mattoon					47553
				999	9	Balance of county					99999
	016	055	1			Cook		031	0	1600	
				003	6	Alsip village					01010
				005	4	Arlington Heights village, part					02154
				206	6	Barrington village, part					03844
				007	5	Bartlett village, part					04013
				010	6	Bellwood village					04975
				012	6	Bensenville village, part					05248
				013	4	Berwyn					05573
				016	6	Blue Island					06704
				020	6	Bridgeview village					08225
				021	6	Brookfield village					08576
				022	5	Buffalo Grove village, part					09447
				023	5	Burbank					09642
				231	6	Burr Ridge village, part					09980
				025	5	Calumet City					10487
				034	0	Chicago, part					14000
				035	5	Chicago Heights					14026
				036	6	Chicago Ridge village					14065
				037	4	Cicero					14351
				039	6	Country Club Hills					16691
				041	6	Crestwood village					17497
				046	6	Deerfield village, part					18992
				048	4	Des Plaines					19642
				050	5	Dolton village					20292
				057	4	Elgin, part					23074
				058	5	Elk Grove Village village, part					23256
				240	5	Elmhurst, part					23620
				060	5	Elmwood Park village					23724
				061	4	Evanston					24582
				062	6	Evergreen Park village					24634
				064	6	Forest Park village					26935
				241	6	Frankfort village, part					27624
				065	6	Franklin Park village					27702
				071	5	Glenview village					29938
				074	5	Hanover Park village, part					32746
				075	5	Harvey					33383
				076	6	Hazel Crest village					33695
				078	6	Hickory Hills					34514
				080	6	Hinsdale village, part					35307
				081	5	Hoffman Estates village, part					35411
				082	6	Homewood village					35879
				085	6	Justice village					38830
				089	6	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		Bloomington 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	Belleville					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	Schuyler		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	Place
IL				Illinois			IL
	099					Will, con.	197 1 1600
		084	3			Joliet, part	38570
		233	6			Lemont village, part	42795
		216	6			Lockport	44225
		246	6			Matteson village, part	47540
		218	6			Mokena village	49854
		116	3			Naperville, part	51622
		220	6			New Lenox village	52584
		247	4			Orland Park village, part	56640
		132	6			Park Forest village, part	57732
		223	6			Plainfield village	60287
		146	6			Romeoville village	65442
		234	6			Sauk Village village, part	67769
		159	5			Tinley Park village, part	75484
		175	5			Woodridge village, part	83245
		999	9			Balance of county	99999
	100	000	2			Williamson	199 4 0000
		077	6			Herrin	34358
		102	6			Marion	46916
		999	9			Balance of county	99999
	101	237	1			Winnebago	201 2 6880
		098	6			Loves Park, part	45031
		100	6			Machesney Park village	45726
		143	3			Rockford	65000
		999	9			Balance of county	99999
	102	213	1			Woodford	203 5 6120

Vital Statistics Codes					FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area	Names	St	Cnty	P/S	P/MSA	Place
IN							Indiana	IN				
	001	102	1	999	9		Adams		001	5	2760	
	002	102	1				Allen		003	2	2760	
				015	3		Fort Wayne					25000
				047	6		New Haven					52992
				999	9		Balance of county					99999
	003	000	2				Bartholomew		005	4	0000	
				007	5		Columbus					14734
				999	9		Balance of county					99999
	004	000	2	999	9		Benton		007	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	999	9		Jasper		073	5	0000	
	038	000	2	999	9		Jay		075	6	0000	
	039	000	2				Jefferson		077	5	0000	
				037	6		Madison					45990
				999	9		Balance of county					99999
	040	000	2	999	9		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	999	9		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	999	9		Marshall		099	5	0000	
	051	000	2	999	9		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	999	9		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						Iowa	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			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	
				999	9	Balance of county					99999
	051	000	2	999	9	Jefferson		101	6	0000	
	052	131	1			Johnson		103	3	3500	
				009	6	Coralville					16230
				017	4	Iowa City					38595
				999	9	Balance of county					99999
	053	000	2	999	9	Jones		105	6	0000	
	054	000	2	999	9	Keokuk		107	6	0000	
	055	000	2	999	9	Kossuth		109	6	0000	
	056	000	2			Lee		111	5	0000	
				015	6	Fort Madison					28605
				018	6	Keokuk					40845
				999	9	Balance of county					99999
	057	047	1			Linn		113	3	1360	
				007	3	Cedar Rapids					12000
				019	5	Marion					49485
				999	9	Balance of county					99999
	058	000	2	999	9	Louisa		115	6	0000	
	059	000	2	999	9	Lucas		117	9	0000	
	060	000	2	999	9	Lyon		119	6	0000	
	061	000	2	999	9	Madison		121	6	0000	
	062	000	2			Mahaska		123	6	0000	
				024	6	Oskaloosa					59925
				999	9	Balance of county					99999
	063	000	2	999	9	Marion		125	5	0000	
	064	000	2			Marshall		127	5	0000	
				020	5	Marshalltown					49755
				999	9	Balance of county					99999
	065	000	2	999	9	Mills		129	6	0000	
	066	000	2	999	9	Mitchell		131	6	0000	
	067	000	2	999	9	Monona		133	6	0000	
	068	000	2	999	9	Monroe		135	9	0000	
	069	000	2	999	9	Montgomery		137	6	0000	
	070	000	2			Muscatine		139	5	0000	
				022	6	Muscatine					55110
				999	9	Balance of county					99999
	071	000	2	999	9	O'Brien		141	6	0000	
	072	000	2	999	9	Osceola		143	9	0000	
	073	000	2	999	9	Page		145	6	0000	
	074	000	2	999	9	Palo Alto		147	6	0000	
	075	000	2			Plymouth		149	6	0000	
				037	4	Sioux City, part					73335
				999	9	Balance of county					99999
	076	000	2	999	9	Pocahontas		151	9	0000	
	077	075	1			Polk		153	2	2120	
				032	6	Altoona					01630
				002	5	Ankeny					02305
				034	6	Clive, part					14520
				012	3	Des Moines					21000
				028	5	Urbandale, part					79950
				030	5	West Des Moines, part					83910
				999	9	Balance of county					99999
	078	206	1			Pottawattamie		155	4	5920	
				010	4	Council Bluffs					16860
				999	9	Balance of county					99999
	079	000	2	999	9	Poweshiek		157	6	0000	
	080	000	2	999	9	Ringgold		159	9	0000	
	081	000	2	999	9	Sac		161	6	0000	
	082	069	1			Scott		163	3	1960	
				003	5	Bettendorf					06355
				011	4	Davenport					19000
				999	9	Balance of county					99999
	083	000	2	999	9	Shelby		165	6	0000	
	084	000	2	999	9	Sioux		167	5	0000	
	085	000	2			Story		169	4	0000	
				001	4	Ames					01855
				999	9	Balance of county					99999
	086	000	2	999	9	Tama		171	6	0000	
	087	000	2	999	9	Taylor		173	9	0000	
	088	000	2	999	9	Union		175	6	0000	
	089	000	2	999	9	Van Buren		177	9	0000	
	090	000	2			Wapello		179	5	0000	
				025	6	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	
				999 9	Balance of county					99999
	091	075	1		Warren		181	5	2120	
				016 6	Indianola					38280
				999 9	Balance of county					99999
	092	000	2	999 9	Washington		183	6	0000	
	093	000	2	999 9	Wayne		185	9	0000	
	094	000	2		Webster		187	5	0000	
				014 5	Fort Dodge					28515
				999 9	Balance of county					99999
	095	000	2	999 9	Winnebago		189	6	0000	
	096	000	2	999 9	Winneshiek		191	6	0000	
	097	265	1		Woodbury		193	3	7720	
				026 4	Sioux City, part					73335
				999 9	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	Place
KS						Kansas	
	046					Johnson, con.	
				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
Kentucky					Kentucky						
KY							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	
				999	9	Balance of county					99999
	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
Kentucky											
KY	099	000	2	999	9	Powell	KY	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	
				008	6	Crowley					18650
				009	6	Eunice, part					24565
				999	9	Balance of parish					99999
	002	000	2	999	9	Allen		003	5	0000	
	003	024	1	999	9	Ascension		005	4	0760	
	004	000	2	999	9	Assumption		007	6	0000	
	005	000	2	999	9	Avoyelles		009	5	0000	
	006	000	2	999	9	Beauregard		011	5	0000	
	007	000	2	999	9	Bienville		013	6	0000	
	008	264	1			Bossier		015	4	7680	
				007	4	Bossier City					08920
				026	3	Shreveport, part					70000
				999	9	Balance of parish					99999
	009	264	1			Caddo		017	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	9	Caldwell		021	6	0000	
	012	000	2	999	9	Cameron		023	9	0000	
	013	000	2	999	9	Catahoula		025	6	0000	
	014	000	2	999	9	Claiborne		027	6	0000	
	015	000	2	999	9	Concordia		029	6	0000	
	016	000	2	999	9	De Soto		031	5	0000	
	017	024	1			East Baton Rouge		033	2	0760	
				003	6	Baker					03985
				005	3	Baton Rouge					05000
				035	6	Zachary					83405
				999	9	Balance of parish					99999
	018	000	2	999	9	East Carroll		035	9	0000	
	019	000	2	999	9	East Feliciana		037	6	0000	
	020	000	2	999	9	Evangeline		039	5	0000	
	021	000	2	999	9	Franklin		041	6	0000	
	022	000	2	999	9	Grant		043	6	0000	
	023	000	2			Iberia		045	4	0000	
				021	5	New Iberia					54035
				999	9	Balance of parish					99999
	024	000	2	999	9	Iberville		047	5	0000	
	025	000	2	999	9	Jackson		049	6	0000	
	026	196	1			Jefferson		051	2	5560	
				010	6	Gretna					31915
				014	4	Kenner					39475
				031	6	Westwego					81165
				999	9	Balance of parish					99999
	027	000	2			Jefferson Davis		053	5	0000	
				013	6	Jennings					38355
				999	9	Balance of parish					99999
	028	151	1			Lafayette		055	3	3880	
				015	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	9	La Salle		059	6	0000	
	031	000	2			Lincoln		061	5	0000	
				025	6	Ruston					66655
				999	9	Balance of parish					99999
	032	024	1	999	9	Livingston		063	4	0760	
	033	000	2	999	9	Madison		065	6	0000	
	034	000	2			Morehouse		067	5	0000	
				004	6	Bastrop					04685
				999	9	Balance of parish					99999
	035	000	2			Natchitoches		069	5	0000	
				020	6	Natchitoches					53545
				999	9	Balance of parish					99999
	036	196	1	022	2	Orleans, coext. with New Orleans city		071	2	5560	55000
	037	187	1			Ouachita		073	3	5200	
				018	4	Monroe					51410
				030	6	West Monroe					80955
				999	9	Balance of parish					99999
	038	196	1	999	9	Plaquemines		075	5	5560	

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	
				001	6	Auburn					02060
				005	5	Lewiston					38740
				999	9	Balance of county					99999
	002	000	2	999	9	Aroostook		003	4	0000	
	003	219	1			Cumberland		005	2	6403	
				006	4	Portland					60545
				009	6	South Portland					71990
				011	6	Westbrook					82105
				999	9	Balance of county					99999
	004	000	2	999	9	Franklin		007	5	0000	
	005	000	2	999	9	Hancock		009	4	0000	
	006	000	2			Kennebec		011	3	0000	
				002	6	Augusta					02100
				010	6	Waterville					80740
				999	9	Balance of county					99999
	007	000	2	999	9	Knox		013	5	0000	
	008	000	2	999	9	Lincoln		015	5	0000	
	009	000	2	999	9	Oxford		017	4	0000	
	010	022	1			Penobscot		019	3	0733	
				003	5	Bangor					02795
				999	9	Balance of county					99999
	011	000	2	999	9	Piscataquis		021	6	0000	
	012	000	2	999	9	Sagadahoc		023	5	0000	
	013	000	2	999	9	Somerset		025	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	
				004	6	Biddeford					04860
				008	6	Saco					64675
				999	9	Balance of county					99999

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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				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	999	9		Dukes		007	6	0000	
	005	037	1				Essex		009	1	1123	
				003	6		Amesbury town					01185
				005	5		Andover town					01465
				010	5		Beverly					05595
				022	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	999	9		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	
				006	6		Auburn Hills					04105
				011	6		Berkley					07660
				012	6		Beverly Hills village					08160
				014	6		Birmingham					08640
				015	5		Bloomfield township					09110
				020	6		Clawson					16160
				031	6		Farmington					27380
				032	4		Farmington Hills					27440
				033	6		Ferndale					27880
				049	6		Hazel Park					37420
				123	5		Independence township					40400
				060	5		Madison Heights					50560
				074	5		Novi					59440
				075	5		Oak Park					59920
				078	4		Pontiac					65440
				128	6		Rochester					69020
				084	4		Rochester Hills					69035
				087	4		Royal Oak					70040
				093	4		Southfield					74900
				129	6		South Lyon					75100
				100	4		Troy					80700
				103	4		Waterford township					84240
				105	4		West Bloomfield township					85480
				130	5		White Lake township					86860
				131	6		Wixom					88140
				999	9		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	999	9		Red Lake	125	9		0000	
	064	000	2	999	9		Redwood	127	6		0000	
	065	000	2	999	9		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	999	9		Rock	133	9		0000	
	068	000	2	999	9		Roseau	135	6		0000	
	069	080	1				St. Louis	137	3		2240	
				021	4		Duluth					17000
				032	6		Hibbing					28790
				999	9		Balance of county					99999
	070	183	1				Scott	139	4		5120	
				054	6		Prior Lake					52594
				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	999	9		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	999	9		Stevens	149	6		0000	
	076	000	2	999	9		Swift	151	6		0000	
	077	000	2	999	9		Todd	153	6		0000	
	078	000	2	999	9		Traverse	155	9		0000	
	079	000	2	999	9		Wabasha	157	6		0000	
	080	000	2	999	9		Wadena	159	6		0000	
	081	000	2	999	9		Waseca	161	6		0000	
	082	183	1				Washington	163	3		5120	
				019	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	999	9		Watsonwan	165	6		0000	
	084	000	2	999	9		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	999	9		Yellow Medicine	173	6		0000	



Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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			Amite		005	6	0000	
	004	000	2			Attala		007	6	0000	
	005	000	2			Benton		009	9	0000	
	006	000	2			Bolivar		011	5	0000	
				006	6	Cleveland					14260
				999	9	Balance of county					99999
	007	000	2			Calhoun		013	6	0000	
	008	000	2			Carrroll		015	6	0000	
	009	000	2			Chickasaw		017	6	0000	
	010	000	2			Choctaw		019	9	0000	
	011	000	2			Claiborne		021	6	0000	
	012	000	2			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			Copiah		029	5	0000	
	016	000	2			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			Franklin		037	9	0000	
	020	000	2			George		039	6	0000	
	021	000	2			Greene		041	6	0000	
	022	000	2			Grenada		043	6	0000	
				013	6	Grenada					29460
				999	9	Balance of county					99999
	023	030	1			Hancock		045	5	0920	
	024	030	1			Harrison		047	3	0920	
				001	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			Holmes		051	6	0000	
	027	000	2			Humphreys		053	6	0000	
	028	000	2			Issaquena		055	9	0000	
	029	000	2			Itawamba		057	6	0000	
	030	030	1			Jackson		059	3	0920	
				010	6	Gautier					26860
				022	6	Moss Point					49240
				024	6	Ocean Springs					53520
				026	5	Pascagoula					55360
				999	9	Balance of county					99999
	031	000	2			Jasper		061	6	0000	
	032	000	2			Jefferson		063	9	0000	
	033	000	2			Jefferson Davis		065	6	0000	
	034	000	2			Jones		067	4	0000	
				018	6	Laurel					39640
				999	9	Balance of county					99999
	035	000	2			Kemper		069	6	0000	
	036	000	2			Lafayette		071	5	0000	
				025	6	Oxford					54840
				999	9	Balance of county					99999
	037	123	1			Lamar		073	5	3285	
				015	5	Hattiesburg, part					31020
				999	9	Balance of county					99999
	038	000	2			Lauderdale		075	4	0000	
				021	5	Meridian					46640

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	
				999	9		Balance of county					99999
	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	
				032	5		Tupelo					74840
				999	9		Balance of county					99999
	042	000	2				Leflore	083	5		0000	
				012	6		Greenwood					29340
				999	9		Balance of county					99999
	043	000	2	999	9		Lincoln	085	5		0000	
	044	000	2				Lowndes	087	4		0000	
				008	5		Columbus					15380
				999	9		Balance of county					99999
	045	133	1				Madison	089	4		3560	
				004	6		Canton					11100
				017	3		Jackson, part					36000
				039	6		Madison					44520
				029	6		Ridgeland					62520
				999	9		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	
				031	6		Starkville					70240
				999	9		Balance of county					99999
	054	000	2	999	9		Panola	107	5		0000	
	055	000	2				Pearl River	109	5		0000	
				028	6		Picayune					57160
				999	9		Balance of county					99999
	056	000	2	999	9		Perry	111	6		0000	
	057	000	2				Pike	113	5		0000	
				020	6		McComb					43280
				999	9		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	
				002	6		Brandon					08300
				017	3		Jackson, part					36000
				027	6		Pearl					55760
				999	9		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	
				016	6		Indianola					34740
				999	9		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	
				033	5		Vicksburg					76720
				999	9		Balance of county					99999
	076	000	2				Washington	151	4		0000	
				011	5		Greenville					29180
				999	9		Balance of county					99999
	077	000	2	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	
				034	6		Yazoo City					81520



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	
				052	3		Springfield, part					70000
				999	9		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	6		West Plains					78928
				999	9		Balance of county					99999
	047	000	2	999	9		Iron		093	6	0000	
	048	145	1				Jackson		095	1	3760	
				006	5		Blue Springs					06652
				021	6		Grandview					28324
				024	3		Independence, part					35000
				028	2		Kansas City, part					38000
				032	4		Lee's Summit, part					41348
				042	5		Raytown					60788
				999	9		Balance of county					99999
	049	142	1				Jasper		097	3	3710	
				009	6		Carthage					11656
				027	5		Joplin, part					37592
				999	9		Balance of county					99999
	050	243	1				Jefferson		099	3	7040	
				001	6		Arnold					01972
				999	9		Balance of county					99999
	051	000	2				Johnson		101	5	0000	
				054	6		Warrensburg					77092
				999	9		Balance of county					99999
	052	000	2	999	9		Knox		103	9	0000	
	053	000	2				Laclede		105	5	0000	
				069	6		Lebanon					41168
				999	9		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	6		Hannibal, part					30214
				999	9		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	6		Sikeston, part					67790
				999	9		Balance of county					99999
	073	142	1				Newton		145	4	3710	
				027	5		Joplin, part					37592
				071	6		Neosho					51572
				999	9		Balance of county					99999
	074	000	2				Nodaway		147	6	0000	
				036	6		Maryville					46640
				999	9		Balance of county					99999
	075	000	2	999	9		Oregon		149	6	0000	
	076	000	2	999	9		Osage		151	6	0000	
	077	000	2	999	9		Ozark		153	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	6		Sedalia					66440
				999	9		Balance of county					99999
	081	000	2				Phelps		161	5	0000	
				044	6		Rolla					62912

Vital Statistics Codes				FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	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					FIPS Codes						
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	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	Dundy		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		
				999	9	Balance of county					99999	
	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		
				009	6	Norfolk					34615	
				999	9	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		
				003	6	Columbus					10110	
				999	9	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		
				002	5	Bellevue					03950	
				014	6	La Vista					26385	
				012	6	Papillion					38295	
				999	9	Balance of county					99999	
	078	000	2	999	9	Saunders	155	6		0000		
	079	000	2			Scotts Bluff	157	5		0000		
				013	6	Scottsbluff					44245	
				999	9	Balance of county					99999	
	080	000	2	999	9	Seward	159	6		0000		
	081	000	2	999	9	Sheridan	161	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
Nevada											
NV							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	Place
NJ	001	017	1			New Jersey	
						Atlantic	
				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	
				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	
				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	
				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	Place
NJ						New Jersey	
	005	017	1			Cape May	
				114	6	Ocean City	54360
				999	9	Balance of county	99999
	006	293	1			Cumberland	
				012	6	Bridgeton	07600
				095	5	Millville	46680
				165	4	Vineland	76070
				999	9	Balance of county	99999
	007	198	1			Essex	
				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	
				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	
				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	
				999	9	Balance of county	99999
	011	284	1			Mercer	
				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	
				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				Salem		033	4	6160	
	018	181	1				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	Albuquerque					02000
				019	4	Rio Rancho, part					63460
				999	9	Balance of county					99999
	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	999	9		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	999	9		Chenango		017	4	0000	
	009	000	2				Clinton		019	4	0000	
				073	6		Plattsburgh					58574
				999	9		Balance of county					99999
	010	000	2	999	9		Columbia		021	4	0000	
	011	000	2				Cortland		023	5	0000	
				019	6		Cortland					18388
				999	9		Balance of county					99999
	012	000	2	999	9		Delaware		025	5	0000	
	013	081	1				Dutchess		027	2	2281	
				006	6		Beacon					05100
				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	999	9		Essex		031	5	0000	
	016	000	2	999	9		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	999	9		Greene		039	5	0000	
	020	000	2	999	9		Hamilton		041	9	0000	
	021	289	1	999	9		Herkimer		043	4	8680	
	022	000	2				Jefferson		045	3	0000	
				096	5		Watertown					78608
				999	9		Balance of county					99999
	023	000	2	999	9		Lewis		049	5	0000	
	024	236	1	999	9		Livingston		051	4	6840	
	025	276	1				Madison		053	4	8160	
				066	6		Oneida					54837
				999	9		Balance of county					99999
	026	236	1				Monroe		055	1	6840	
				009	5		Brighton town					08246
				015	5		Chili town					15462

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			Orleans	073 5 6840
	036	276	1			Oswego	075 3 8160
				028	6	Fulton	27815
				069	6	Oswego	55574
				999	9	Balance of county	99999
	037	000	2			Otsego	077 4 0000
				067	6	Oneonta	54881
				999	9	Balance of county	99999
	038	197	1			Putnam	079 4 5600
				014	5	Carmel town	12529
				999	9	Balance of county	99999
	039	004	1			Rensselaer	083 3 0160
				092	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	999	9		Schoharie		095	5	0160	
	045	000	2	999	9		Schuyler		097	6	0000	
	046	000	2				Seneca		099	5	0000	
				031	6		Geneva, part					28640
				999	9		Balance of county					99999
	047	000	2				Steuben		101	4	0000	
				018	6		Corning					18256
				999	9		Balance of county					99999
	048	193	1				Suffolk		103	0	5380	
				004	6		Babylon village					03408
				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	999	9		Sullivan		105	4	0000	
	050	031	1	999	9		Tioga		107	4	0960	
	051	000	2				Tompkins		109	4	0000	
				041	5		Ithaca					38077
				999	9		Balance of county					99999
	052	000	2				Ulster		111	3	0000	
				045	6		Kingston					39727
				999	9		Balance of county					99999
	053	109	1				Warren		113	4	2975	
				033	6		Glens Falls					29333
				112	5		Queensbury town					60356
				999	9		Balance of county					99999
	054	109	1	999	9		Washington		115	4	2975	
	055	236	1	999	9		Wayne		117	4	6840	
	056	197	1				Westchester		119	1	5600	
				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	999	9		Wyoming		121	5	0000	
	058	000	2	999	9		Yates		123	6	0000	

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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	999	9	Alexander		003	5	3290	
	003	000	2	999	9	Alleghany		005	6	0000	
	004	000	2	999	9	Anson		007	5	0000	
	005	000	2	999	9	Ashe		009	6	0000	
	006	000	2	999	9	Avery		011	6	0000	
	007	000	2	999	9	Beaufort		013	5	0000	
	008	000	2	999	9	Bertie		015	6	0000	
	009	000	2	999	9	Bladen		017	5	0000	
	010	305	1	999	9	Brunswick		019	4	9200	
	011	014	1			Buncombe		021	3	0480	
				003	4	Asheville					02140
				999	9	Balance of county					99999
	012	124	1			Burke		023	4	3290	
				023	5	Hickory, part					31060
				036	6	Morganton					44400
				999	9	Balance of county					99999
	013	051	1			Cabarrus		025	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	999	9	Carteret		031	4	0000	
	017	000	2	999	9	Caswell		033	6	0000	
	018	124	1			Catawba		035	3	3290	
				023	5	Hickory, part					31060
				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	999	9	Cherokee		039	6	0000	
	021	000	2	999	9	Chowan		041	6	0000	
	022	000	2	999	9	Clay		043	9	0000	
	023	000	2			Cleveland		045	4	0000	
				044	6	Shelby					61200
				999	9	Balance of county					99999
	024	000	2	999	9	Columbus		047	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	999	9	Currituck		053	6	5720	
	028	000	2	999	9	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	999	9	Davie		059	5	3120	
	031	000	2	999	9	Duplin		061	5	0000	
	032	226	1			Durham		063	3	6640	
				008	5	Chapel Hill, part					11800
				011	3	Durham, part					19000
				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	Northampton		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	999	9	Fulton		051	5	8400	
	027	000	2	999	9	Gallia		053	5	0000	
	028	059	1	999	9	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	9		Morrow	117	5		0000	
	060	000	2				Muskingum	119	4		0000	
				154	5		Zanesville					88084
				999	9		Balance of county					99999
	061	000	2	999	9		Noble	121	6		0000	
	062	000	2	999	9		Ottawa	123	5		0000	
	063	000	2	999	9		Paulding	125	6		0000	
	064	000	2	999	9		Perry	127	5		0000	
	065	064	1				Pickaway	129	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	9		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				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				Williams	171	5		0000	
	087	282	1				Wood	173	3		8400	
				018	5		Bowling Green					07972
				054	6		Fostoria, part					28014
				106	6		Perrysburg					62148
				999	9		Balance of county					99999
	088	000	2				Wyandot	175	6		0000	

Vital Statistics Codes					FIPS Codes						
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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	
						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						Oregon	OR				
	027	244	1			Polk		053	4	7080	
				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		Caln 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	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	999	9	Clarion	031 5 0000
	017	000	2	999	9	Clearfield	033 4 0000
	018	000	2	999	9	Clinton	035 5 0000
	019	259	1			Columbia	037 4 7560
				009	6	Berwick borough	05888
				013	6	Bloomsburg	07128
				999	9	Balance of county	99999
	020	000	2			Crawford	039 4 0000
				069	6	Meadville	48360
				999	9	Balance of county	99999
	021	121	1			Cumberland	041 3 3240
				020	6	Carlisle borough	11272
				031	6	East Pennsboro township	21680
				038	6	Hampden township	32296
				057	6	Lower Allen township	44832
				122	6	Upper Allen township	78736
				999	9	Balance of county	99999
	022	121	1			Dauphin	043 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	999	9	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	999	9	Fulton	057 6 0000
	030	000	2	999	9	Greene	059 5 0000
	031	000	2	999	9	Huntingdon	061 5 0000
	032	000	2			Indiana	063 4 0000
				048	6	Indiana borough	36816
				999	9	Balance of county	99999
	033	000	2	999	9	Jefferson	065 5 0000
	034	000	2	999	9	Juniata	067 6 0000
	035	259	1			Lackawanna	069 3 7560
				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	Place
PA						Pennsylvania	
	036					Lancaster, con.	PA 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
	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	999	9	Snyder		109	5	0000	
	056	141	1	999	9	Somerset		111	4	3680	
	057	000	2	999	9	Sullivan		113	9	0000	
	058	000	2	999	9	Susquehanna		115	5	0000	
	059	000	2	999	9	Tioga		117	5	0000	
	060	000	2	999	9	Union		119	5	0000	
	061	000	2			Venango		121	4	0000	
				089	6	Oil City					56456
				999	9	Balance of county					99999
	062	000	2			Warren		123	5	0000	
				133	6	Warren					81000
				999	9	Balance of county					99999
	063	217	1			Washington		125	3	6280	
				134	6	Washington					81328
				999	9	Balance of county					99999
	064	000	2	999	9	Wayne		127	5	0000	
	065	217	1			Westmoreland		129	2	6280	
				037	6	Greensburg					31200
				045	5	Hempfield township					33792
				049	6	Jeannette					37784
				058	6	Lower Burrell					44864
				078	6	Municipality of Murrysville borough					52332
				082	6	New Kensington					53736
				087	5	North Huntingdon township					55128
				999	9	Balance of county					99999
	066	259	1	999	9	Wyoming		131	5	7560	
	067	308	1			York		133	2	9280	
				039	6	Hanover borough					32448
				158	6	Penn township					58888
				109	6	Springettsbury township					72992
				112	6	Spring Garden township					73168
				147	5	York					87048
				999	9	Balance of county					99999

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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	SC				
	001	000	2	999	9	Abbeville		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		Elizabethton					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	999	9	Smith	159	6	0000		
081	000	2	999	9	Stewart	161	6	0000		
082	140	1			Sullivan	163	3	3660		
				004	6 Bristol					08540
				023	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	999	9	Tipton	167	4	4920		
085	000	2	999	9	Trousdale	169	9	0000		
086	140	1	999	9	Unicoi	171	6	3660		
087	148	1	999	9	Union	173	6	3840		
088	000	2	999	9	Van Buren	175	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	999	9	Wayne	181	6	0000		
092	000	2			Weakley	183	5	0000		
				052	6 Martin					46240
				999	9 Balance of county					99999
093	000	2	999	9	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	TX				
	001	000	2			Anderson		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			Angelina		005	4	0000	
				098	5	Lufkin					45072
				999	9	Balance of county					99999
	004	000	2	999	9	Aransas		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	999	9	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	999	9	Hall	191	9		0000	
097	000		2	999	9	Hamilton	193	9		0000	
098	000		2	999	9	Hansford	195	9		0000	
099	000		2	999	9	Hardeman	197	9		0000	
100	025		1	999	9	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	999	9	Hartley	205	9		0000	
104	000		2	999	9	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	999	9	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	999	9	Hill	217	5		0000	
110	000		2			Hockley	219	6		0000	
				093	6	Levelland					42448
				999	9	Balance of county					99999
111	103		1	999	9	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	Place
TX						Texas	
	112					Hopkins, con.	
				999	9	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						Texas	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						Texas	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	Eules					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	999	9		Terrell	443	9	0000		
	223	000	2	999	9		Terry	445	6	0000		
	224	000	2	999	9		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	999	9		Trinity	455	6	0000		
	229	000	2	999	9		Tyler	457	6	0000		
	230	167	1	999	9		Upshur	459	5	4420		
	231	000	2	999	9		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	999	9		Van Zandt	467	5	0000		
	235	292	1				Victoria	469	4	8750		
				162	4		Victoria					75428
				999	9		Balance of county					99999
	236	000	2				Walker	471	4	0000		
				077	5		Huntsville					35528
				999	9		Balance of county					99999
	237	127	1				Waller	473	5	3360		
				243	6		Katy, part					38476
				999	9		Balance of county					99999
	238	000	2	999	9		Ward	475	6	0000		
	239	000	2				Washington	477	5	0000		
				022	6		Brenham					10156
				999	9		Balance of county					99999
	240	157	1				Webb	479	3	4080		
				091	3		Laredo					41464
				999	9		Balance of county					99999
	241	000	2				Wharton	481	5	0000		
				050	6		El Campo					22864
				999	9		Balance of county					99999
	242	000	2	999	9		Wheeler	483	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	999	9		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	999	9		Wilson	493	5	7240		
	248	000	2	999	9		Winkler	495	9	0000		
	249	000	2	999	9		Wise	497	5	0000		
	250	000	2	999	9		Wood	499	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
TX						Texas		TX				
	251	000	2	999	9	Yoakum			501	9	0000	
	252	000	2	999	9	Young			503	6	0000	
	253	000	2	999	9	Zapata			505	6	0000	
	254	000	2	999	9	Zavala			507	6	0000	

Vital Statistics Codes					FIPS Codes						
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
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 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					Vermont	VT				
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	Burlington					10675
				003	South Burlington					66175
				999	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	Rutland					61225
				999	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	Greensville	081	6	0000		
057	000	2	999	9	Halifax	083	5	0000		
057	000	2	999	9	South Boston city	083	5	0000	99999	
058	200	1	013	3	Hampton city	650	3	5720	35000	
059	232	1	999	9	Hanover	085	4	6760		
060	000	2	014	5	Harrisonburg city	660	5	0000	35624	
061	232	1	999	9	Henrico	087	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						Virginia	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		Belleveue					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	WV				
	001	000	2	999	9		Barbour		001	6	0000	
	002	296	1				Berkeley		003	4	8840	
				007	6		Martinsburg					52060
				999	9		Balance of county					99999
	003	000	2	999	9		Boone		005	5	0000	
	004	000	2	999	9		Braxton		007	6	0000	
	005	273	1				Brooke		009	5	8080	
				014	6		Weirton, part					85156
				999	9		Balance of county					99999
	006	128	1				Cabell		011	4	3400	
				006	4		Huntington, part					39460
				999	9		Balance of county					99999
	007	000	2	999	9		Calhoun		013	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
WI							Wisconsin	WI				
	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	Vilas	125	6	0000		
065	000	2				Walworth	127	4	0000		
				061	6	Whitewater, part					86925
				999	9	Balance of county					99999
066	000	2		999	9	Washburn	129	6	0000		
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  
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Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
001	TX	221	Abilene, TX, MSA Texas Taylor	0040	TX	441
002	OH	067 077	Akron, OH, PMSA Ohio Portage Summit	0080	OH	133 153
003	GA	047 088	Albany, GA, MSA Georgia Dougherty Lee	0120	GA	095 177
004	NY	001 027 039 042 043 044	Albany-Schenectady-Troy, NY, MSA New York Albany Montgomery Rensselaer Saratoga Schenectady Schoharie	0160	NY	001 057 083 091 093 095
005	NM	001 024 033	Albuquerque, NM, MSA New Mexico Bernalillo Sandoval Valencia	0200	NM	001 043 061
006	LA	040	Alexandria, LA, MSA Louisiana Rapides	0220	LA	079
007	PA	013 039 048	Allentown-Bethlehem-Easton, PA, MSA Pennsylvania Carbon Lehigh Northampton	0240	PA	025 077 095
008	PA	007	Altoona, PA, MSA Pennsylvania Blair	0280	PA	013
009	TX	188 191	Amarillo, TX, MSA Texas Potter Randall	0320	TX	375 381
010	AK	003	Anchorage, AK, MSA Alaska Anchorage	0380	AK	020
011	MI	046 047 081	Ann Arbor, MI, PMSA Michigan Lenawee Livingston Washtenaw	0440	MI	091 093 161

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



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

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

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

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

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

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

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

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095	SC	021	Florence, SC, MSA South Carolina Florence	2655	SC	041
096	CO	035	Fort Collins-Loveland, CO, MSA Colorado Larimer	2670	CO	069
097	FL	006	Fort Lauderdale, FL, PMSA Florida Broward	2680	FL	011
098	FL	036	Fort Myers-Cape Coral, FL, MSA Florida Lee	2700	FL	
099	FL	043 056	Fort Pierce-Port St. Lucie, FL, MSA Florida Martin St. Lucie	2710	FL	085 111
100	AR	017 066	Fort Smith, AR-OK, MSA Arkansas Crawford Sebastian	2720	AR	033 131
	OK	068	Oklahoma Sequoyah		OK	135
101	FL	046	Fort Walton Beach, FL, MSA Florida Okaloosa	2750	FL	091
102	IN	001 002 017 035 090 092	Fort Wayne, IN, MSA Indiana Adams Allen De Kalb Huntington Wells Whitley	2760	IN	001 003 033 069 179 183
103	TX	111 126 184 220	Fort Worth-Arlington, TX, PMSA Texas Hood Johnson Parker Tarrant	2800	TX	221 251 367 439
104	CA	010 020	Fresno, CA, MSA California Fresno Madera	2840	CA	019 039
105	AL	028	Gadsden, AL, MSA Alabama Etowah	2880	AL	055
106	FL	001	Gainesville, FL, MSA Florida Alachua	2900	FL	001
107	TX	084	Galveston-Texas City, TX, PMSA Texas Galveston	2920	TX	167



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108	IN		Gary, IN, PMSA	2960	IN	
		045	Indiana			089
		064	Lake Porter			127
109	NY		Glens Falls, NY, MSA	2975	NY	
		053	New York			113
		054	Warren Washington			115
110	NC		Goldsboro, NC, MSA	2980	NC	
		096	North Carolina Wayne			191
111	MN		Grand Forks, ND-MN, MSA	2985	MN	
		060	Minnesota			119
	ND	018	Polk North Dakota Grand Forks		ND	
112	MI		Grand Rapids-Muskegon-Holland, MI, MSA	3000	MI	
		003	Michigan			005
		041	Allegan			081
		061	Kent			121
		070	Muskegon Ottawa			139
113	MT		Great Falls, MT, MSA	3040	MT	
		007	Montana Cascade			013
114	CO		Greeley, CO, PMSA	3060	CO	
		062	Colorado Weld			123
115	WI		Green Bay, WI, MSA	3080	WI	
		005	Wisconsin Brown			009
116	NC		Greensboro--Winston-Salem--High Point, NC, MSA	3120	NC	
		001	North Carolina			001
		029	Alamance			057
		030	Davidson			059
		034	Davie			067
		041	Forsyth			081
		076	Guilford			151
		085	Randolph			169
		099	Stokes Yadkin			197
117	NC		Greenville, NC, MSA	3150	NC	
		074	North Carolina Pitt			147
118	SC		Greenville-Spartanburg-Anderson, SC, MSA	3160	SC	
		004	South Carolina			007
		011	Anderson			021
		023	Cherokee			045
		039	Greenville			077
		042	Pickens Spartanburg			083
119	MD		Hagerstown, MD, PMSA	3180	MD	
		022	Maryland Washington			043

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120	OH		Hamilton-Middletown, OH, PMSA	3200	OH	
		009	Ohio Butler			017
121	PA		Harrisburg-Lebanon-Carlisle, PA, MSA	3240	PA	
		021	Pennsylvania Cumberland			041
		022	Dauphin			043
		038	Lebanon			075
		050	Perry			099
122	CT		Hartford, CT, NECMA	3283	CT	
		002	Connecticut Hartford			003
		004	Middlesex			007
		007	Tolland			013
123	MS		Hattiesburg, MS, MSA	3285	MS	
		018	Mississippi Forrest			035
		037	Lamar			073
124	NC		Hickory-Morganton, NC, MSA	3290	NC	
		002	North Carolina Alexander			003
		012	Burke			023
		014	Caldwell			027
		018	Catawba			
125	HI		Honolulu, HI, MSA	3320	HI	
		002	Hawaii Honolulu			003
126	LA		Houma, LA, MSA	3350	LA	
		029	Louisiana Lafourche			057
		055	Terrebonne			109
127	TX		Houston, TX, PMSA	3360	TX	
		036	Texas 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	
		010	Kentucky 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	
		042	Alabama Limestone			083
		045	Madison			089

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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

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

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

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

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175			McAllen-Edinburg-Mission, TX, MSA	4880		
	TX		Texas		TX	
		108	Hidalgo			215
176			Medford-Ashland, OR, MSA	4890		
	OR		Oregon		OR	
		015	Jackson			029
177			Melbourne-Titusville-Palm Bay, FL, MSA	4900		
	FL		Florida		FL	
		005	Brevard			009
178			Memphis, TN-AR-MS, MSA	4920		
	AR		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			Merced, CA, MSA	4940		
	CA		California		CA	
		024	Merced			047
180			Miami, FL, PMSA	5000		
	FL		Florida		FL	
		013	Dade			025
181			Middlesex-Somerset-Hunterdon, NJ, PMSA	5015		
	NJ		New Jersey		NJ	
		010	Hunterdon			019
		012	Middlesex			023
		018	Somerset			035
182			Milwaukee-Waukesha, WI, PMSA	5080		
	WI		Wisconsin		WI	
		041	Milwaukee			079
		046	Ozaukee			089
		067	Washington			131
		068	Waukesha			133
183			Minneapolis-St. Paul, MN-WI, MSA	5120		
	MN		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			Mobile, AL, MSA	5160		
	AL		Alabama		AL	
		002	Baldwin			003
		049	Mobile			097

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185	CA		Modesto, CA, MSA	5170	CA	
		050	California Stanislaus			099
186	NJ		Monmouth-Ocean, NJ, PMSA	5190	NJ	
		013	New Jersey Monmouth			025
		015	Ocean			029
187	LA		Monroe, LA, MSA	5200	LA	
		037	Louisiana Ouachita			073
188	AL		Montgomery, AL, MSA	5240	AL	
		001	Alabama Autauga			001
		026	Elmore			051
		051	Montgomery			101
189	IN		Muncie, IN, MSA	5280	IN	
		018	Indiana Delaware			035
190	SC		Myrtle Beach, SC, MSA	5330	SC	
		026	South Carolina Horry			051
191	FL		Naples, FL, MSA	5345	FL	
		011	Florida Collier			021
192	TN		Nashville, TN, MSA	5360	TN	
		011	Tennessee 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	
		028	New York Nassau			059
		048	Suffolk			103
194	CT		New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT, NECMA	5483	CT	
		001	Connecticut Fairfield			001
		005	New Haven			009
195	CT		New London-Norwich, CT, NECMA	5523	CT	
		006	Connecticut New London			011
196	LA		New Orleans, LA, MSA	5560	LA	
		026	Louisiana 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



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

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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			Orange County, CA, PMSA	5945		
	CA		California		CA	
		030	Orange			059
208			Orlando, FL, MSA	5960		
	FL		Florida		FL	
		035	Lake			069
		048	Orange			095
		049	Osceola			097
		059	Seminole			117
209			Owensboro, KY, MSA	5990		
	KY		Kentucky		KY	
		030	Daviess			059
210			Panama City, FL, MSA	6015		
	FL		Florida		FL	
		003	Bay			005
211			Parkersburg-Marietta, WV-OH, MSA	6020		
	OH		Ohio		OH	
		084	Washington			167
	WV		West Virginia		WV	
		054	Wood			107
212			Pensacola, FL, MSA	6080		
	FL		Florida		FL	
		017	Escambia			033
		057	Santa Rosa			113
213			Peoria-Pekin, IL, MSA	6120		
	IL		Illinois		IL	
		072	Peoria			143
		090	Tazewell			179
		102	Woodford			203
214			Philadelphia, PA-NJ, PMSA	6160		
	NJ		New Jersey		NJ	
		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			Phoenix-Mesa, AZ, MSA	6200		
	AZ		Arizona		AZ	
		008	Maricopa			013
		012	Pinal			021
216			Pine Bluff, AR, MSA	6240		
	AR		Arkansas		AR	
		035	Jefferson			069

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

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228	PA	006	Reading, PA, MSA Pennsylvania Berks	6680	PA	011
229	CA	045	Redding, CA, MSA California Shasta	6690	CA	089
230	NV	016	Reno, NV, MSA Nevada Washoe	6720	NV	031
231	WA	003 011	Richland-Kennewick-Pasco, WA, MSA Washington Benton Franklin	6740	WA	005 021
232	VA	023 027 030 037 053 059 061 064 086 096 100 102 108	Richmond-Petersburg, VA, MSA Virginia Charles City Chesterfield Colonial Heights city Dinwiddie Goochland Hanover Henrico Hopewell city New Kent Petersburg city Powhatan Prince George Richmond city	6760	VA	036 041 570 053 075 085 087 670 127 730 145 149 760
233	CA	033 036	Riverside-San Bernardino, CA, PMSA California Riverside San Bernardino	6780	CA	065 071
234	VA	014 109 110 114	Roanoke, VA, MSA Virginia Botetourt Roanoke Roanoke city Salem city	6800	VA	023 161 770 775
235	MN	055	Rochester, MN, MSA Minnesota Olmsted	6820	MN	109
236	NY	018 024 026 033 035 055	Rochester, NY, MSA New York Genesee Livingston Monroe Ontario Orleans Wayne	6840	NY	037 051 055 069 073 117
237	IL	004 071 101	Rockford, IL, MSA Illinois Boone Ogle Winnebago	6880	IL	007 141 201

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238	NC		Rocky Mount, NC, MSA	6895	NC	
		033	North Carolina			065
		064	Edgecombe			127
			Nash			
239	CA		Sacramento, CA, PMSA	6920	CA	
		009	California			017
		031	El Dorado			061
		034	Placer			067
			Sacramento			
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

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

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 Puerto Rico - con.

261	PA	043	Sharon, PA, MSA Pennsylvania Mercer	7610	PA	085
262	WI	060	Sheboygan, WI, MSA Wisconsin Sheboygan	7620	WI	117
263	TX	091	Sherman-Denison, TX, MSA Texas Grayson	7640	TX	181
264	LA	008 009 060	Shreveport-Bossier City, LA, MSA Louisiana Bossier Caddo Webster	7680	LA	015 017 119
265	IA NE	097 022	Sioux City, IA-NE, MSA Iowa Woodbury Nebraska Dakota	7720	IA NE	193 043
266	SD	041 049	Sioux Falls, SD, MSA South Dakota Lincoln Minnehaha	7760	SD	083 099
267	IN	071	South Bend, IN, MSA Indiana St. Joseph	7800	IN	141
268	WA	032	Spokane, WA, MSA Washington Spokane	7840	WA	063
269	IL	065 084	Springfield, IL, MSA Illinois Menard Sangamon	7880	IL	129 167
270	MO	022 039 113	Springfield, MO, MSA Missouri Christian Greene Webster	7920	MO	043 077 225
271	MA	007 008	Springfield, MA, NECMA Massachusetts Hampden Hampshire	8003	MA	013 015
272	PA	014	State College, PA, MSA Pennsylvania Centre	8050	PA	027
273	OH WV	041 005 015	Steubenville-Weirton, OH-WV, MSA Ohio Jefferson West Virginia Brooke Hancock	8080	OH WV	081 009 029

Primary and Metropolitan Statistical Areas Established in 1990  
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274	CA	039	Stockton-Lodi, CA, MSA California San Joaquin	8120	CA	077
275	SC	043	Sumter, SC, MSA South Carolina Sumter	8140	SC	085
276	NY	005 025 032 036	Syracuse, NY, MSA New York Cayuga Madison Onondaga Oswego	8160	NY	011 053 067 075
277	WA	027	Tacoma, WA, PMSA Washington Pierce	8200	WA	053
278	FL	020 037	Tallahassee, FL, MSA Florida Gadsden Leon	8240	FL	039 073
279	FL	027 029 051 052	Tampa-St. Petersburg-Clearwater, FL, MSA Florida Hernando Hillsborough Pasco Pinellas	8280	FL	053 057 101 103
280	IN	011 083 084	Terre Haute, IN, MSA Indiana Clay Vermillion Vigo	8320	IN	021 165 167
281	AR	046	Texarkana, TX-Texarkana, AR, MSA Arkansas Miller	8360	AR	091
	TX	019	Texas Bowie		TX	037
282	OH	026 048 087	Toledo, OH, MSA Ohio Fulton Lucas Wood	8400	39	051 095 173
283	KS	089	Topeka, KS, MSA Kansas Shawnee	8440	KS	177
284	NJ	011	Trenton, NJ, PMSA New Jersey Mercer	8480	NJ	021
285	AZ	011	Tucson, AZ, MSA Arizona Pima	8520	AZ	019



Primary and Metropolitan Statistical Areas Established in 1990  
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 United States  
 Puerto Rico - con.

286	OK		Tulsa, OK, MSA	8560	OK	
		019	Oklahoma			037
		057	Creek			113
		066	Osage			131
		072	Rogers			143
		073	Tulsa			145
			Wagoner			
287	AL		Tuscaloosa, AL, MSA	8600	AL	
		063	Alabama			125
			Tuscaloosa			
288	TX		Tyler, TX, MSA	8640	TX	
		212	Texas			423
			Smith			
289	NY		Utica-Rome, NY, MSA	8680	NY	
		021	New York			043
		031	Herkimer			065
			Oneida			
290	CA		Vallejo-Fairfield-Napa, CA, PMSA	8720	CA	
		028	California			055
		048	Napa			095
			Solano			
291	CA		Ventura, CA, PMSA	8735	CA	
		056	California			111
			Ventura			
292	TX		Victoria, TX, MSA	8750	TX	
		235	Texas			469
			Victoria			
293	NJ		Vineland-Millville-Bridgeton, NJ, PMSA	8760	NJ	
		006	New Jersey			011
			Cumberland			
294	CA		Visalia-Tulare-Porterville, CA, MSA	8780	CA	
		054	California			107
			Tulare			
295	TX		Waco, TX, MSA	8800	TX	
		155	Texas			309
			McLennan			
296	DC		Washington, DC-MD-VA-WV, PMSA	8840	DC	
		001	Dist. of Columbia			001
	MD		District of Columbia		MD	
		005	Maryland			009
		009	Calvert			017
		011	Charles			021
		016	Frederick			031
		017	Montgomery			033
	VA		Prince George's		VA	
		003	Virginia			510
		008	Alexandria city			013
		028	Arlington			043
		033	Clarke			047
		040	Culpeper			059
		041	Fairfax			600
		042	Fairfax city			610
		043	Falls Church city			661
		049	Fauquier			630
		068	Fredericksburg city			099
			King George			

Primary and Metropolitan Statistical Areas Established in 1990  
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 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  
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 United States  
 Puerto Rico - con.

307	CA	057	Yolo, CA, PMSA California Yolo	9270	CA	113
308	PA	067	York, PA, MSA Pennsylvania York	9280	PA	133
309	OH	015	Youngstown-Warren, OH, MSA Ohio Columbiana	9320	OH	029
		050	Mahoning			099
		078	Trumbull			155
310	CA	051	Yuba City, CA, MSA California Sutter	9340	CA	101
		058	Yuba			115
311	AZ	015	Yuma, AZ, MSA Arizona Yuma	9360	AZ	027

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

Vital Statistics Codes					Area Names	FIPS Codes			
St	Cnty	P/MSA	M/NM	City		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 Geographic Code Outline For Puerto Rico,  
 Virgin Islands, Guam, American Samoa and Northern Marianas  
 Effective with 2004 Data

Vital Statistics Codes					Area Names	FIPS Codes			
St	Cnty	P/MSA	M/NM	City		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 Geographic Code Outline For Puerto Rico,  
 Virgin Islands, Guam, American Samoa and Northern Marianas  
 Effective with 2004 Data

Vital Statistics Codes				FIPS Codes		
St	Cnty	P/MSA	M/NM	City	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  
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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	Utua	141 0000
073	006	1	999	Vega Alta	143 7440
074	006	1	999	Vega Baja	145 7440

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

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
PR					Puerto Rico	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					Virgin Islands	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					Guam	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					American Samoa	AS			
000	000	2			American Samoa	000	0000		
			000		American Samoa				99999
MP					Northern Marianas	MP			
000	000	2			Northern Marianas	000	0000		
			000		Northern Marianas				99999





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	BOUVET 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
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CS	COSTA RICA
CT	CENTRAL AFRICAN REPUBLIC
CU	CUBA
CV	CAPE VERDE
CW	COOK ISLANDS
CY	CYPRUS
CZ	CZECHOSLOVAKIA
DA	DENMARK
DJ	DJIBOUTI
DM	DAHOMY [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 ELLICE 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**

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3311 Toledo Road, Room 5420  
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Internet: [www.cdc.gov/nchs](http://www.cdc.gov/nchs)

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## **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**

### **Natality statistics**

Since 1985, natality statistics for all states and the District of Columbia have been based on information from the total file of records. The information is received on 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. natality data are limited to births occurring within the United States, including those occurring to U.S. residents and nonresidents. Births to nonresidents of the United States have been excluded from all tabulations by place of residence beginning in 1970 (for further discussion see “Classification by occurrence and residence”). Births occurring to U.S. citizens outside the United States are not included in the natality 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
- 10-minute Apgar score
- mother's height
- infections present (5 items)
- whether infant was alive at time of report
- matching number for plural births
- source of payment for delivery
- WIC food receipt
- maternal morbidity (7 items)
- whether infant was breastfed at 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 understate 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/natality/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:

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

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  $B$ :*

$$\text{Lower limit} = R - \left(1.96 \times \left(R / \sqrt{B}\right)\right)$$

$$\text{Upper limit} = R + \left(1.96 \times \left(R / \sqrt{B}\right)\right)$$

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:

$$\begin{aligned}
 &= 1.96 \times \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}} \\
 &= 1.96 \times \sqrt{\left(\frac{1.166}{1,535}\right) + \left(\frac{2.403}{14,108}\right)} \\
 &= 1.96 \times \sqrt{0.00076 + 0.00017} \\
 &= 1.96 \times \sqrt{0.00093} \\
 &= 1.96 \times 0.03 \\
 &= 0.06
 \end{aligned}$$

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:

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

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

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.

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

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

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

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

<b>25. OF HISPANIC ORIGIN?</b> (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.) 25a. <input type="checkbox"/> No <input type="checkbox"/> Yes Specify: _____ 25b. <input type="checkbox"/> No <input type="checkbox"/> Yes Specify: _____		<b>26. RACE—American Indian, Black, White, etc.</b> (Specify below) 26a. _____ 26b. _____		<b>27. EDUCATION</b> (Specify only highest grade completed) Elementary/Secondary (0-12)   College (1-4 or 5+) 27a. _____ 27b. _____	
<b>28. PREGNANCY HISTORY</b> (Complete each section)			<b>29. MOTHER MARRIED?</b> (At birth, conception, or any time between) (Yes or no)		<b>30. DATE LAST NORMAL MENSES BEGAN</b> (Month, Day, Year)
<b>LIVE BIRTHS</b> (Do not include this child)		<b>OTHER TERMINATIONS</b> (Spontaneous and induced at any time after conception)		<b>31. MONTH OF PREGNANCY PRENATAL CARE BEGAN—First, Second, Third, etc.</b> (Specify)	
<b>28a. Now Living</b> Number _____ <input type="checkbox"/> None	<b>28b. Now Dead</b> Number _____ <input type="checkbox"/> None	<b>28d.</b> Number _____ <input type="checkbox"/> None	<b>32. PRENATAL VISITS—Total Number</b> (If none, so state)		<b>33. BIRTH WEIGHT</b> (Specify unit)
<b>28c. DATE OF LAST LIVE BIRTH</b> (Month, Year)		<b>28e. DATE OF LAST OTHER TERMINATION</b> (Month, Year)		<b>34. CLINICAL ESTIMATE OF GESTATION</b> (Weeks)	
<b>36. APGAR SCORE</b>			<b>37a. MOTHER TRANSFERRED PRIOR TO DELIVERY?</b> <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred from: _____		
<b>36a. 1 Minute</b>	<b>36b. 5 Minutes</b>	<b>37b. INFANT TRANSFERRED?</b> <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred to: _____			
<b>38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY</b> (Check all that apply)		<b>40. COMPLICATIONS OF LABOR AND/OR DELIVERY</b> (Check all that apply)		<b>43. CONGENITAL ANOMALIES OF CHILD</b> (Check all that apply)	
Anemia (Hct. <30/Hgb. <10) ..... 01 <input type="checkbox"/> Cardiac disease ..... 02 <input type="checkbox"/> Acute or chronic lung disease ..... 03 <input type="checkbox"/> Diabetes ..... 04 <input type="checkbox"/> Genital herpes ..... 05 <input type="checkbox"/> Hydramnios/Oligohydramnios ..... 06 <input type="checkbox"/> Hemoglobinopathy ..... 07 <input type="checkbox"/> Hypertension, chronic ..... 08 <input type="checkbox"/> Hypertension, pregnancy-associated ..... 09 <input type="checkbox"/> Eclampsia ..... 10 <input type="checkbox"/> Incompetent cervix ..... 11 <input type="checkbox"/> Previous infant 4000+ grams ..... 12 <input type="checkbox"/> Previous preterm or small-for-gestational-age infant ..... 13 <input type="checkbox"/> Renal disease ..... 14 <input type="checkbox"/> Rh sensitization ..... 15 <input type="checkbox"/> Uterine bleeding ..... 16 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 17 <input type="checkbox"/> (Specify) _____		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) _____	
<b>38b. OTHER RISK FACTORS FOR THIS PREGNANCY</b> (Complete all items)		<b>41. METHOD OF DELIVERY</b> (Check all that apply)		<b>42. ABNORMAL CONDITIONS OF THE NEWBORN</b> (Check all that apply)	
Tobacco use during pregnancy ..... Yes <input type="checkbox"/> No <input type="checkbox"/> Average number cigarettes per day _____ Alcohol use during pregnancy ..... Yes <input type="checkbox"/> No <input type="checkbox"/> Average number drinks per week _____ Weight gained during pregnancy _____ lbs.		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"/>		Anemia (Hct. <39/Hgb. <13) ..... 01 <input type="checkbox"/> Birth injury ..... 02 <input type="checkbox"/> Fetal alcohol syndrome ..... 03 <input type="checkbox"/> Hyaline membrane disease/RDS ..... 04 <input type="checkbox"/> Meconium aspiration syndrome ..... 05 <input type="checkbox"/> Assisted ventilation <30 min ..... 06 <input type="checkbox"/> Assisted ventilation ≥30 min ..... 07 <input type="checkbox"/> Seizures ..... 08 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 09 <input type="checkbox"/> (Specify) _____	
<b>39. OBSTETRIC PROCEDURES</b> (Check all that apply)					
Amniocentesis ..... 01 <input type="checkbox"/> Electronic fetal monitoring ..... 02 <input type="checkbox"/> Induction of labor ..... 03 <input type="checkbox"/> Stimulation of labor ..... 04 <input type="checkbox"/> Tocolysis ..... 05 <input type="checkbox"/> Ultrasound ..... 06 <input type="checkbox"/> None ..... 00 <input type="checkbox"/> Other ..... 07 <input type="checkbox"/> (Specify) _____					

DEPARTMENT OF HEALTH AND HUMAN SERVICES - PUBLIC HEALTH SERVICE - CENTERS FOR DISEASE CONTROL  
 NATIONAL CENTER FOR HEALTH STATISTICS - 1989 REVISION

**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)
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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: _____		12. DATE CERTIFIED MM / DD / YYYY	13. DATE FILED BY REGISTRAR MM / DD / YYYY
	TITLE: 9 MD 9 DO 9 HOSPITAL ADMIN. 9 CNM/CM 9 OTHER MIDWIFE 9 OTHER (Specify) _____			

**INFORMATION FOR ADMINISTRATIVE USE**

<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) 9 Yes 9 No	16. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? 9 Yes 9 No	17. FACILITY ID. (NPI)
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18. MOTHER'S SOCIAL SECURITY NUMBER: _____	19. FATHER'S SOCIAL SECURITY NUMBER: _____
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**INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY**

<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)  <input type="checkbox"/> 8th grade or less  <input type="checkbox"/> 9th - 12th grade, no diploma  <input type="checkbox"/> High school graduate or GED completed  <input type="checkbox"/> Some college credit but no degree  <input type="checkbox"/> Associate degree (e.g., AA, AS)  <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)  <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)  <input type="checkbox"/> 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)  <input type="checkbox"/> No, not Spanish/Hispanic/Latina  <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana  <input type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____	22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be)  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____
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<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)  <input type="checkbox"/> 8th grade or less  <input type="checkbox"/> 9th - 12th grade, no diploma  <input type="checkbox"/> High school graduate or GED completed  <input type="checkbox"/> Some college credit but no degree  <input type="checkbox"/> Associate degree (e.g., AA, AS)  <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)  <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)  <input type="checkbox"/> 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)  <input type="checkbox"/> No, not Spanish/Hispanic/Latino  <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano  <input type="checkbox"/> Yes, Puerto Rican  <input type="checkbox"/> Yes, Cuban  <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____	25. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be)  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____
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Mother's Name \_\_\_\_\_  
 Mother's Medical Record No. \_\_\_\_\_

26. PLACE WHERE BIRTH OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Birth: Planned to deliver at home? 9 Yes 9 No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> 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: _____
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<b>MOTHER</b>	29a. DATE OF FIRST PRENATAL CARE VISIT MM / DD / YYYY <input type="checkbox"/> No Prenatal Care		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. # of cigarettes    # of packs Three Months Before Pregnancy _____ OR _____ First Three Months of Pregnancy _____ OR _____ Second Three Months of Pregnancy _____ OR _____ Third Trimester of Pregnancy _____ OR _____	
	35a. Now Living Number _____ <input type="checkbox"/> None	35b. Now Dead Number _____ <input type="checkbox"/> None	36a. Other Outcomes Number _____ <input type="checkbox"/> None		38. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Private Insurance <input type="checkbox"/> Medicaid <input type="checkbox"/> Self-pay <input type="checkbox"/> Other (Specify) _____	
35c. DATE OF LAST LIVE BIRTH MM / YYYY		36b. DATE OF LAST OTHER PREGNANCY OUTCOME MM / YYYY		39. DATE LAST NORMAL MENSES BEGAN MM / DD / YYYY		
40. MOTHER'S MEDICAL RECORD NUMBER						

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

**NEWBORN INFORMATION**

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

Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth									
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 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 <sup>6</sup>
			Unrevised <sup>3</sup>	Revised <sup>4</sup>	
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							
	Risk Factors in this Pregnancy				Characteristics of Labor and Delivery			
	Diabetes	P.A. Hypertension	Chronic Hypertension	Eclampsia	Menconium	Breech	Precipitous Labor	
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	Anen-cephalus	Spina Bifida	Ompalocele/Gastroschisis	Cleft Lip/Palate	Down Syndrome	
Total of reporting areas <sup>1</sup>	0.2	0.3	1.2	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	Items based on the 2003 US. Standard Certificate of Live Birth					
	Pregnancy Risk Factors	Obstetric Procedures	Onset of Labor	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 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 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.

1/ Alaska included beginning 1959 and Hawaii, 1960.

2/ 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
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

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>Females15-44 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.

## 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.

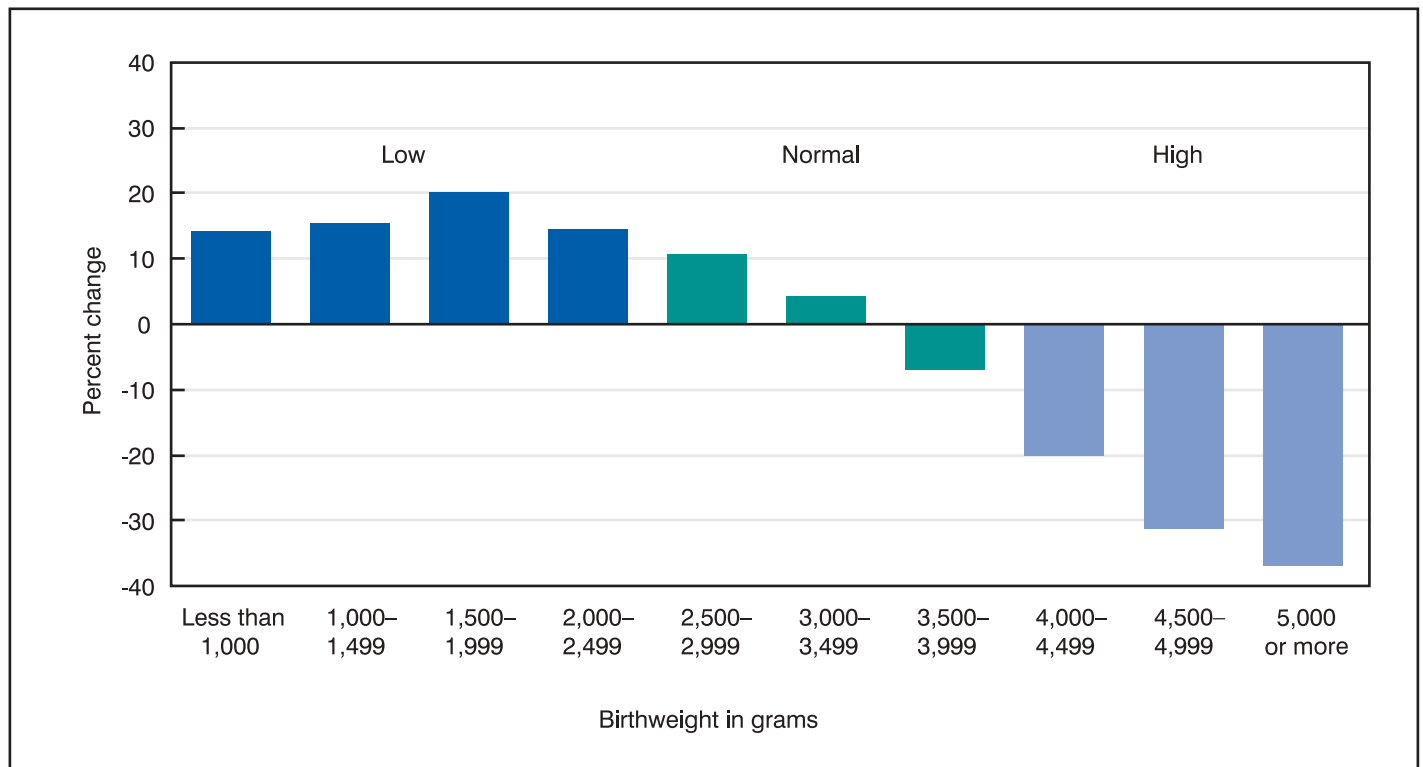


Figure 1. Percentage change in birthweight by 500 gram intervals: United States, 1990 and 2004

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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 nonsmokers.

- **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 birthweight 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/natality/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

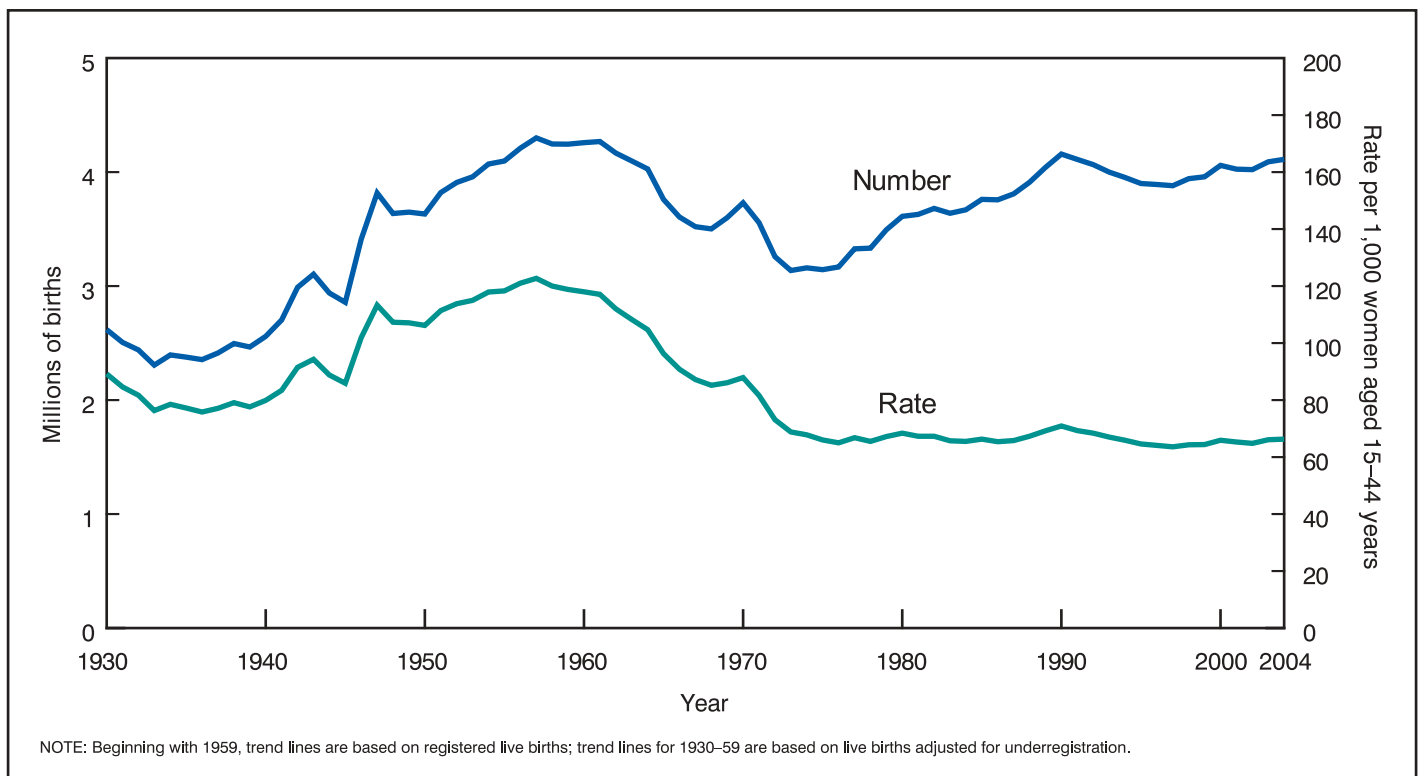


Figure 2. Live births and fertility rates: United States, 1930–2004

**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	2004	2003	2002	1991	Percent change, 2003–04	Percent change, 1991–2004
<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.

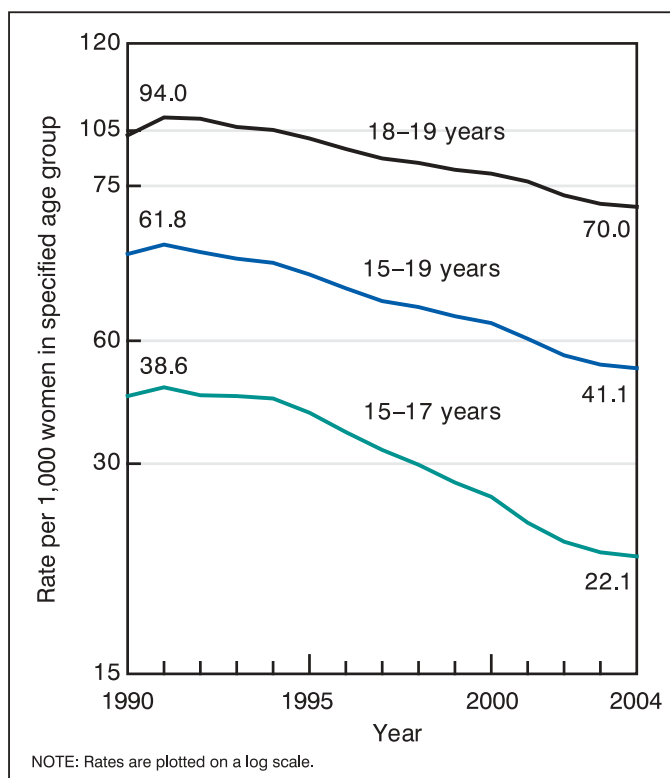
<sup>3</sup>Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."

<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**

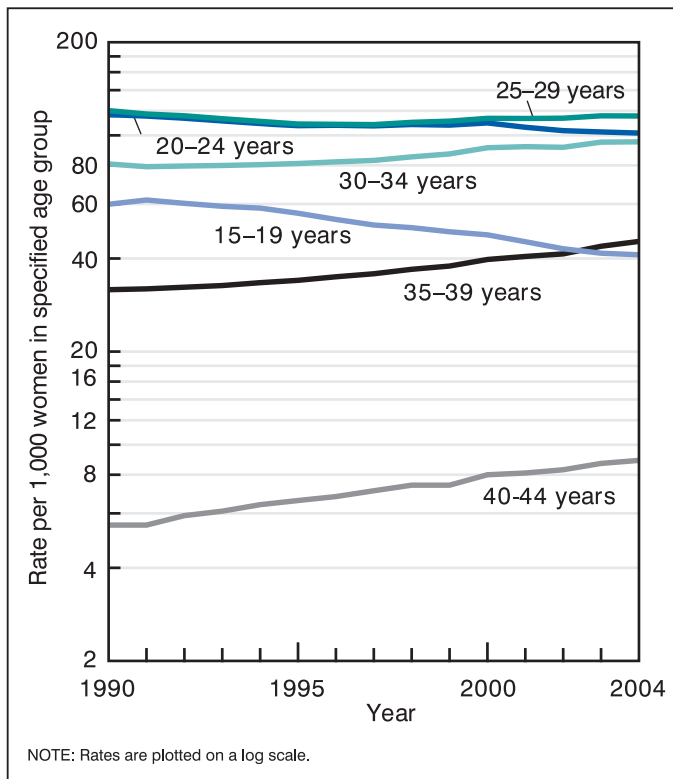
Birth rates for teenagers 15–17 and 18–19 years each dropped 1 percent in 2004, to 22.1 and 70.0 per 1,000, respectively. Overall since 1991, the rate for teenagers 15–17 years fell 43 percent, whereas the rate for older teenagers declined 26 percent. Births to 15–17-year-olds fell to 133,980, the fewest 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

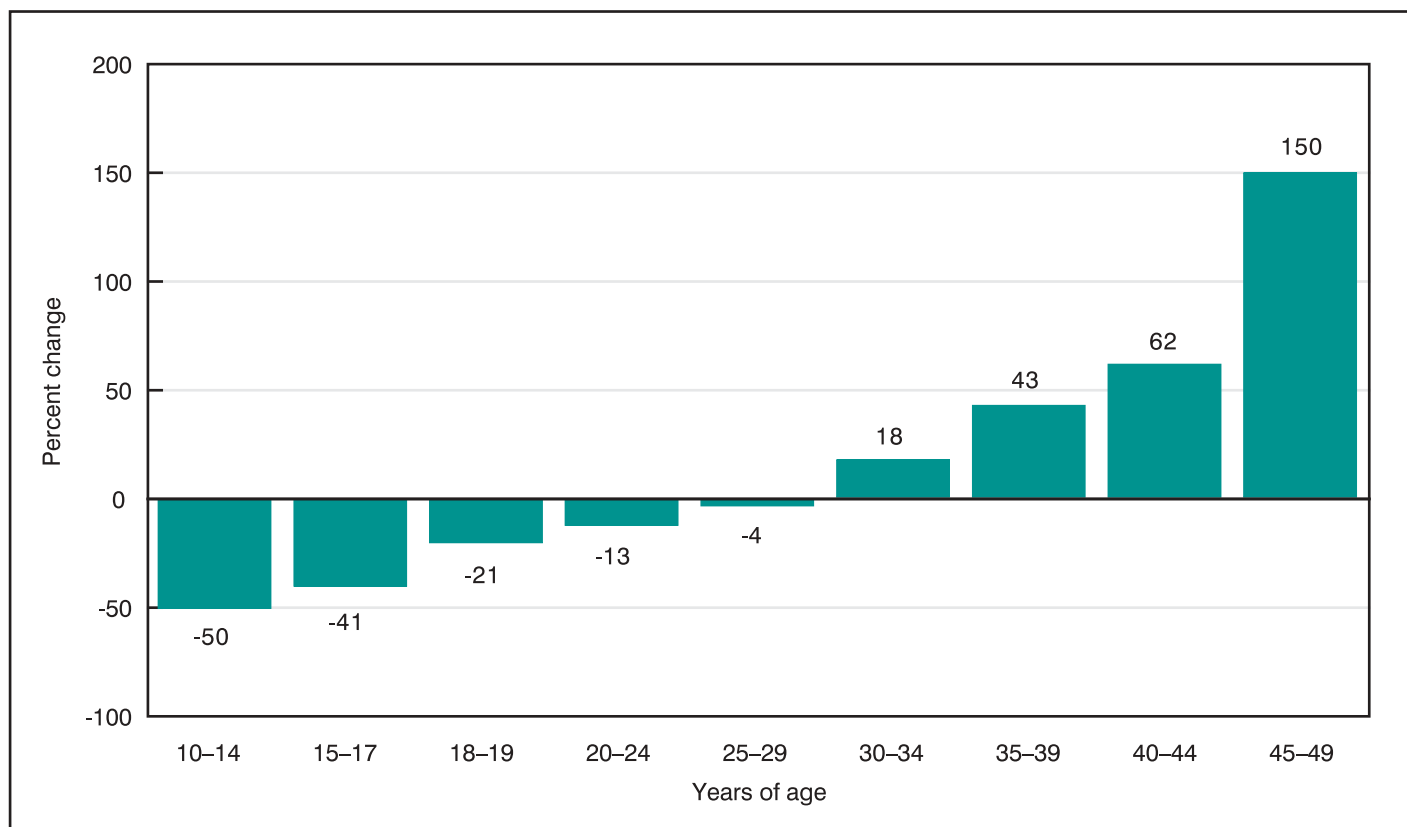
mid-1990s, many private and public efforts have focused teenagers' attention on the importance of pregnancy prevention through abstinence and responsible behavior (25,26).

**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)

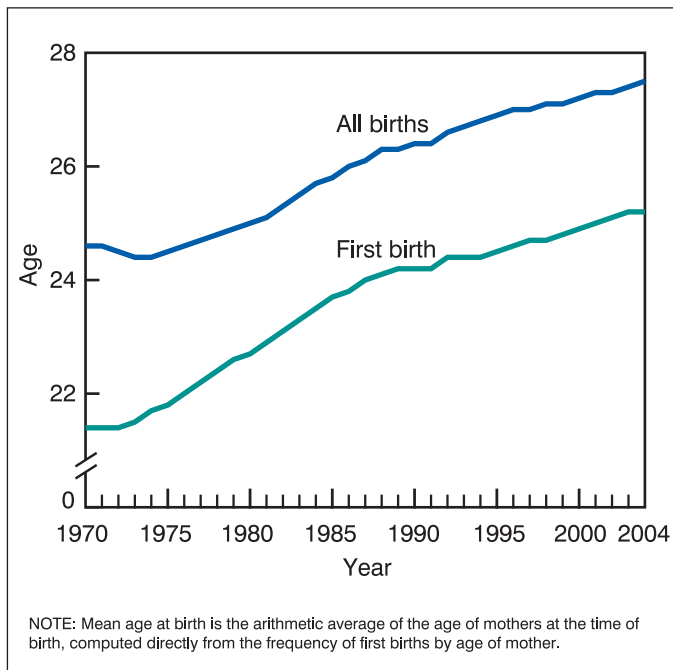
(Tables 3 and 7). The first birth rate dropped steadily between 1990 (29.0) and 1997 (25.9), and has since fluctuated moderately (Table 9).

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 women) in Utah, to a low of 1,711.0 (1.7 births per women) 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.

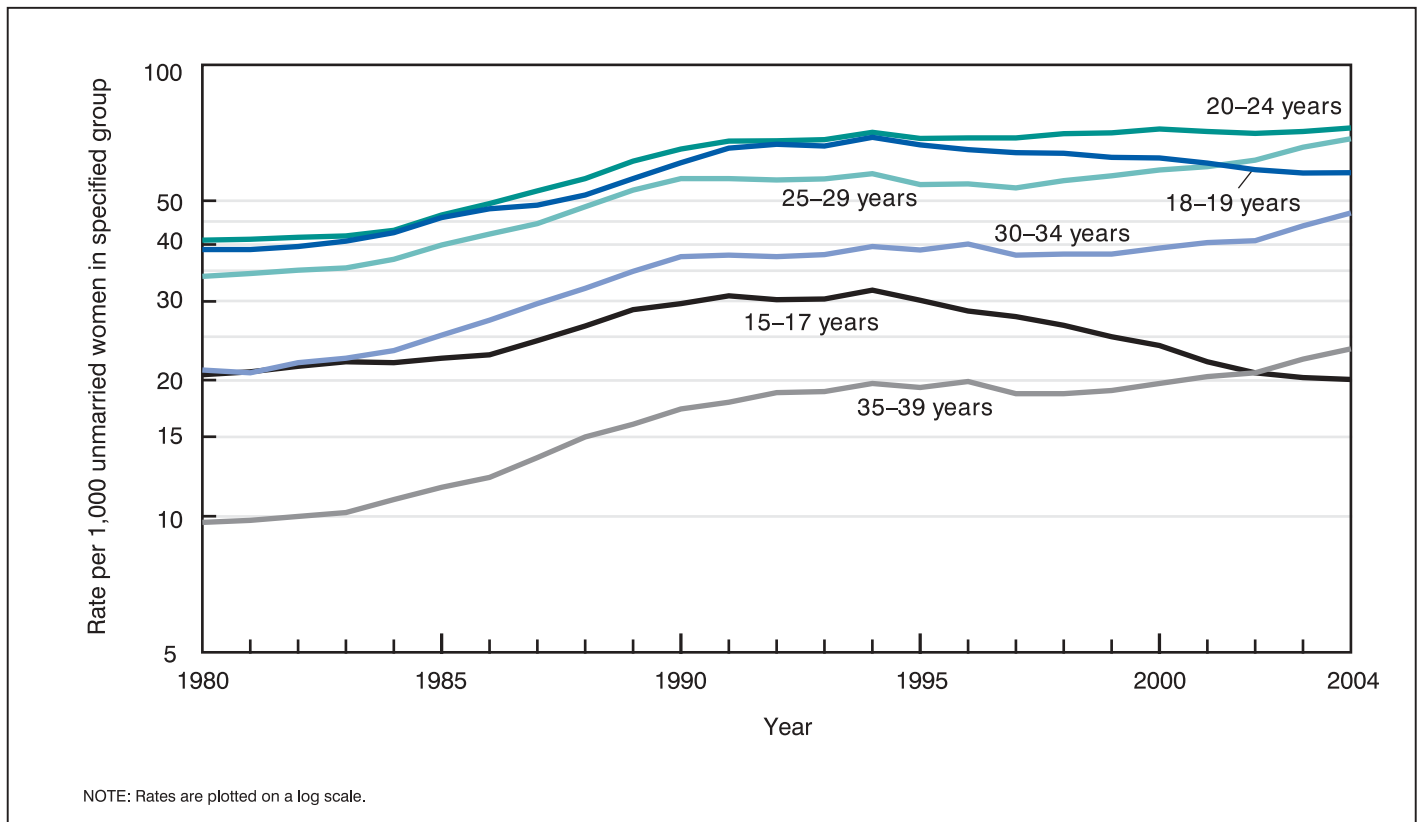
**Table C. Number, rate, and percentage of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–2004**

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>	2004 <sup>3</sup>	2003 <sup>3</sup>	2004 <sup>4</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).

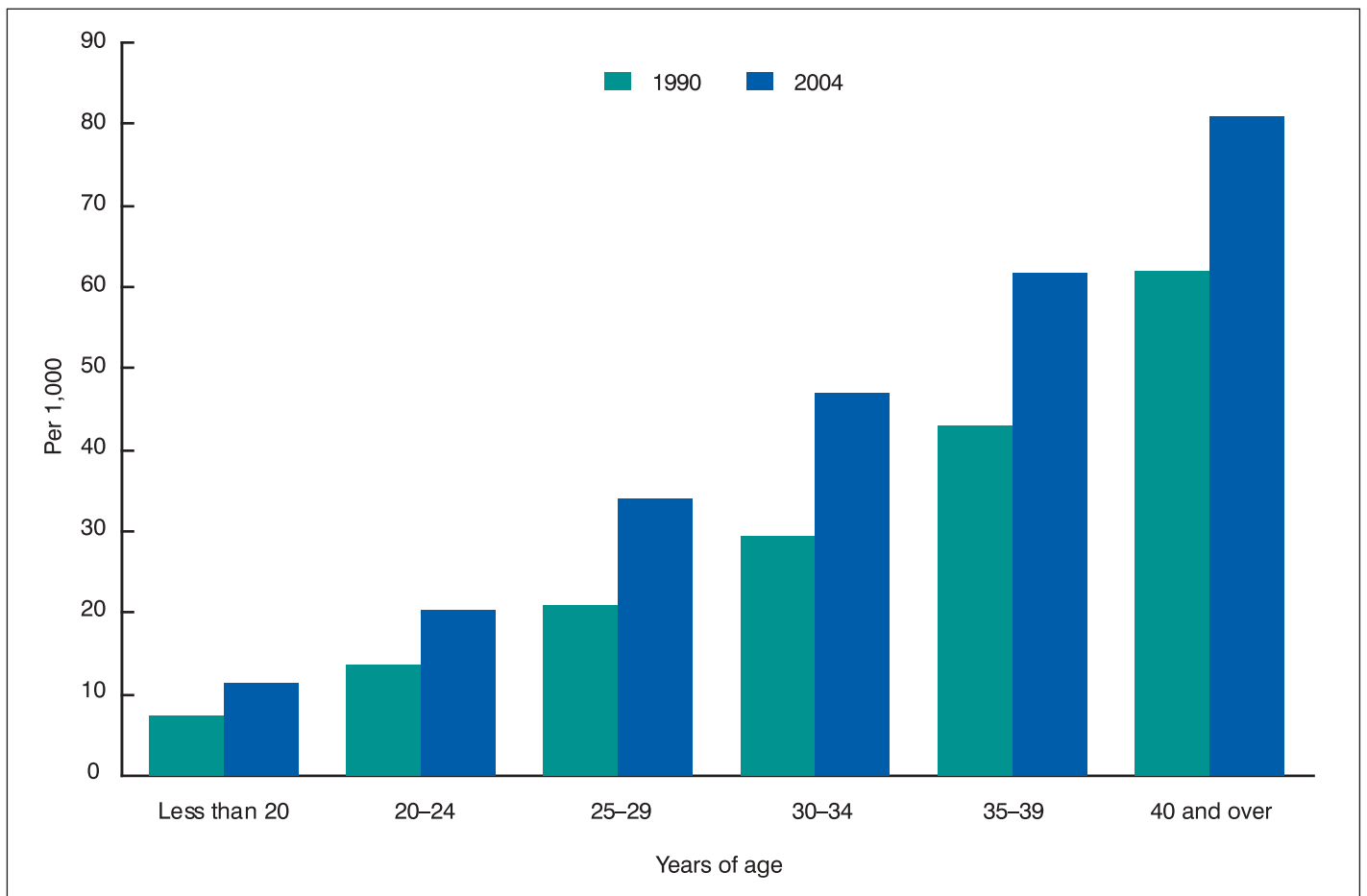
Rates for chronic hypertension are more than seven times higher for mothers aged 40 years and over than for those under 20 years of age (26.7 compared with 3.5 per 1,000). However, rates for pregnancy-related hypertension tend to be highest for both the oldest and youngest mothers.

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 longstanding 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>		Revised <sup>2</sup>
	2004 <sup>3</sup>	2003 <sup>3</sup>	2004 <sup>4</sup>
All races and origins <sup>5</sup>			
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
Non-Hispanic white			
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
Non-Hispanic black			
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
American Indian total <sup>6,7</sup>			
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
Asian or Pacific Islander total <sup>7</sup>			
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
Hispanic <sup>8</sup>			
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

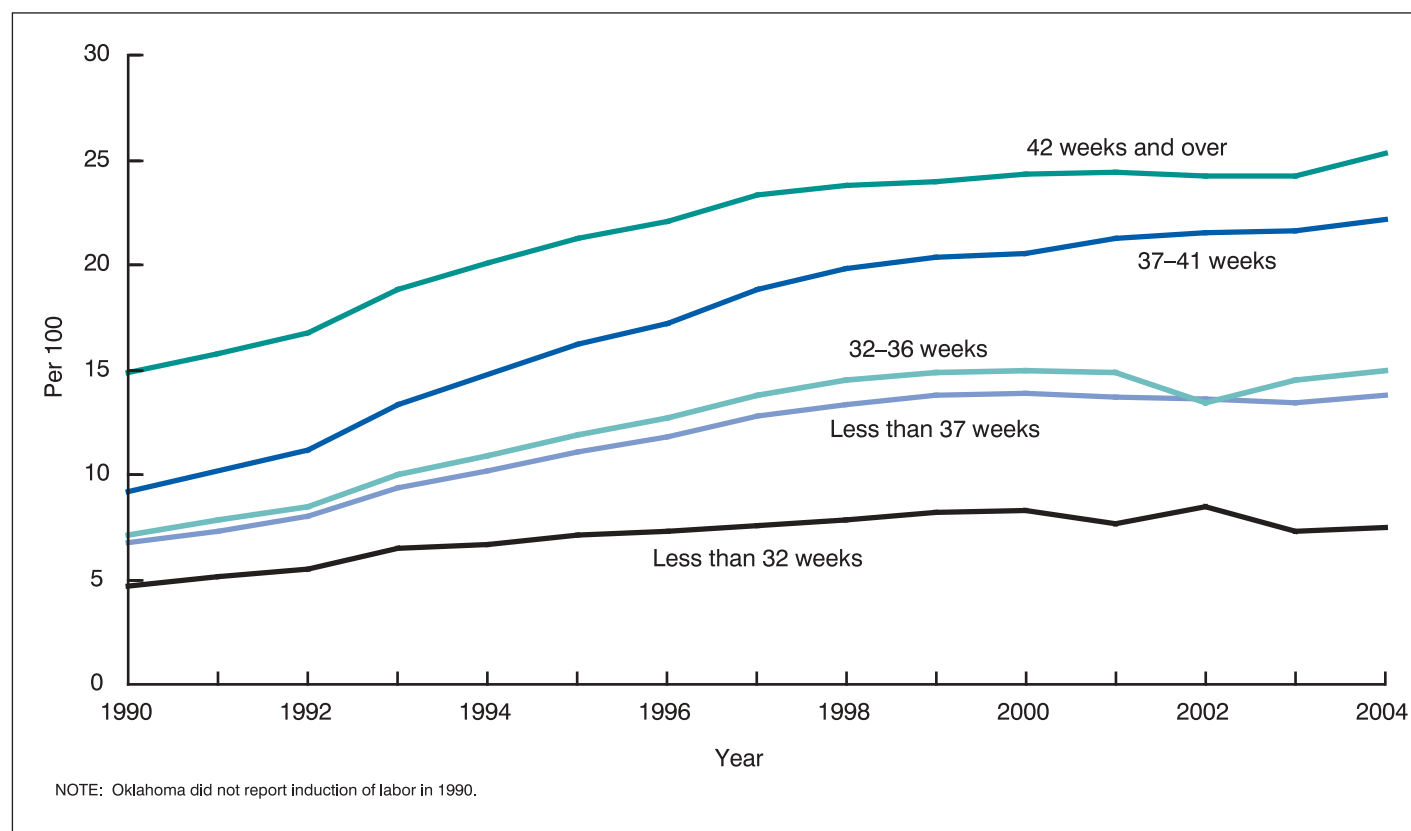
<sup>1</sup>Includes origin not stated.

<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).

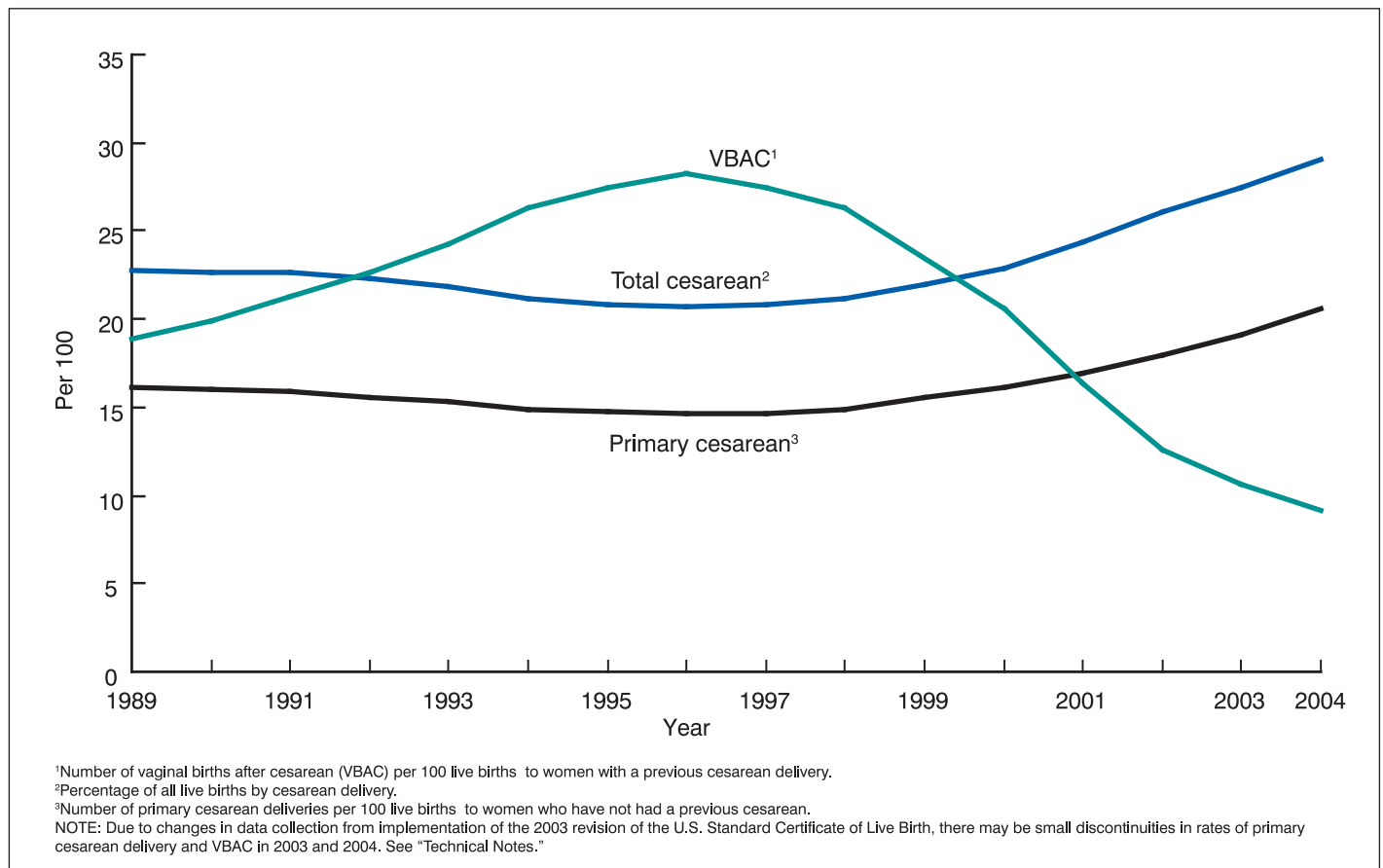


Figure 10. Total and primary cesarean rate and vaginal birth after cesarean rate: United States, 1989–2004

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.](#)”

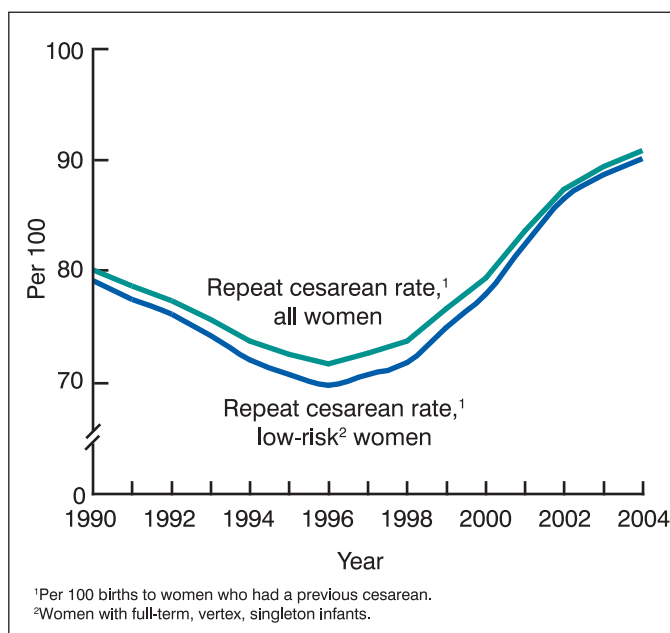
The primary cesarean rate for 2004 (20.6 per 100 live births to women who had no previous cesarean) was 8 percent higher than in 2003 (19.1). This rate has increased by an average of 5 percent each year during 1998–2003, and was 41 percent higher than the low reported for 1996–97 (14.6). The trends for 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](#).”

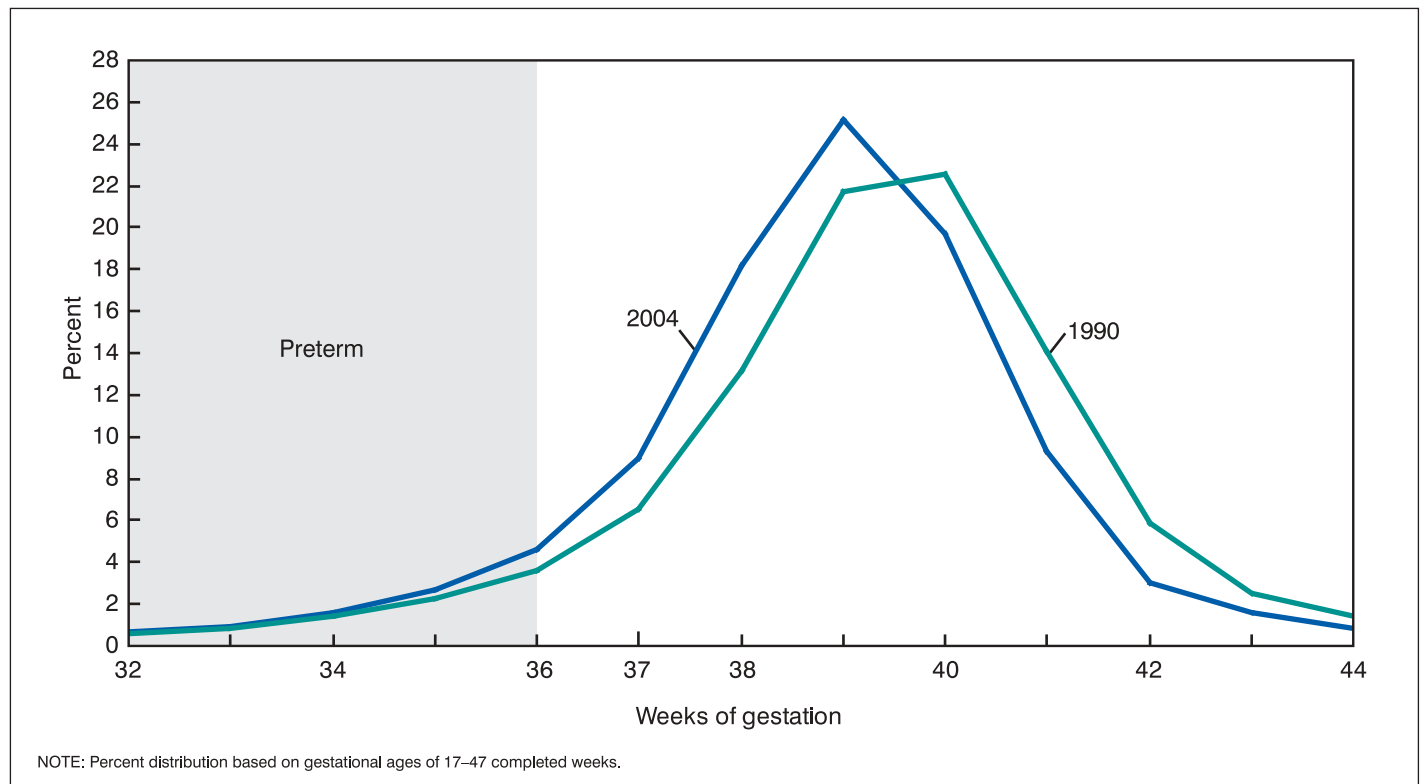
## Infant Health Characteristics

### 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).

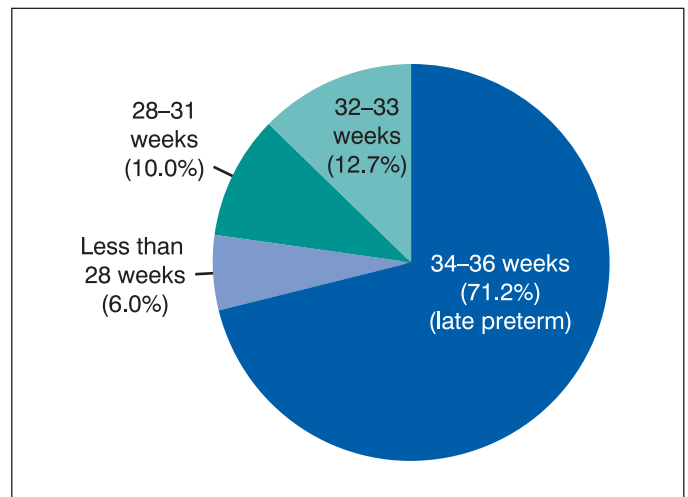


Figure 13. Percent distribution of preterm births: United States, 2004

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

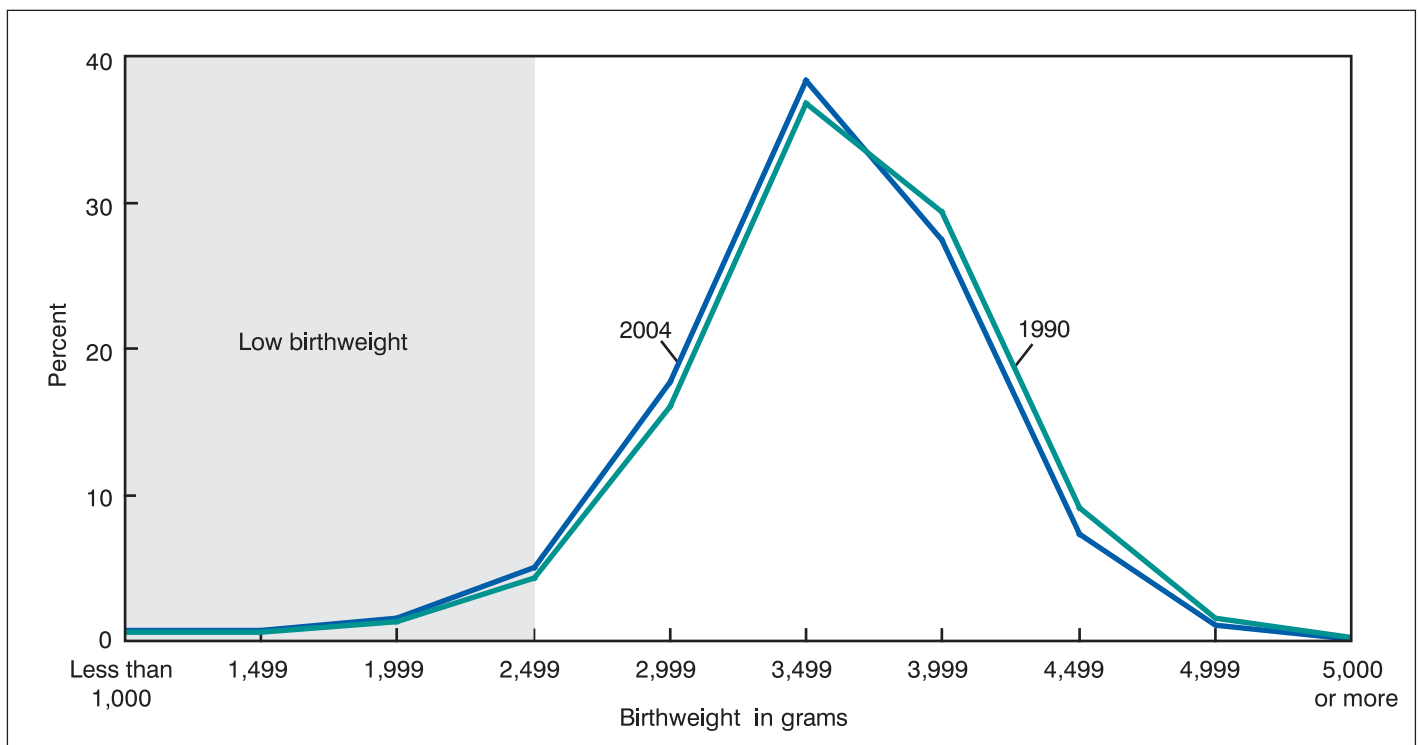


Figure 14. Percent distribution of births by birthweight: United States, 1990 and 2004



**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

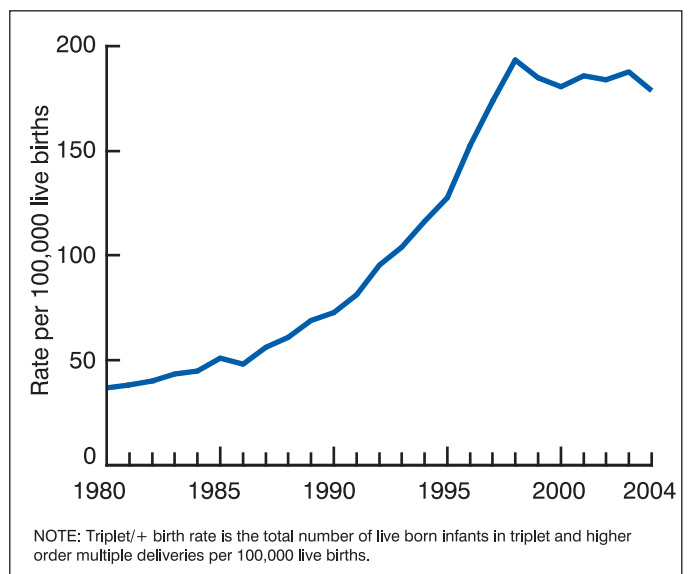
The twin birth rate rose 2 percent for 2004, to 32.2 twins per 1,000 total births, another record high. The twinning rate has climbed 42 percent since 1990 (from 22.6), and 70 percent since 1980 (18.9). The number of live births in twin deliveries rose to 132,219, nearly double the number reported for 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 triplets/+ 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).

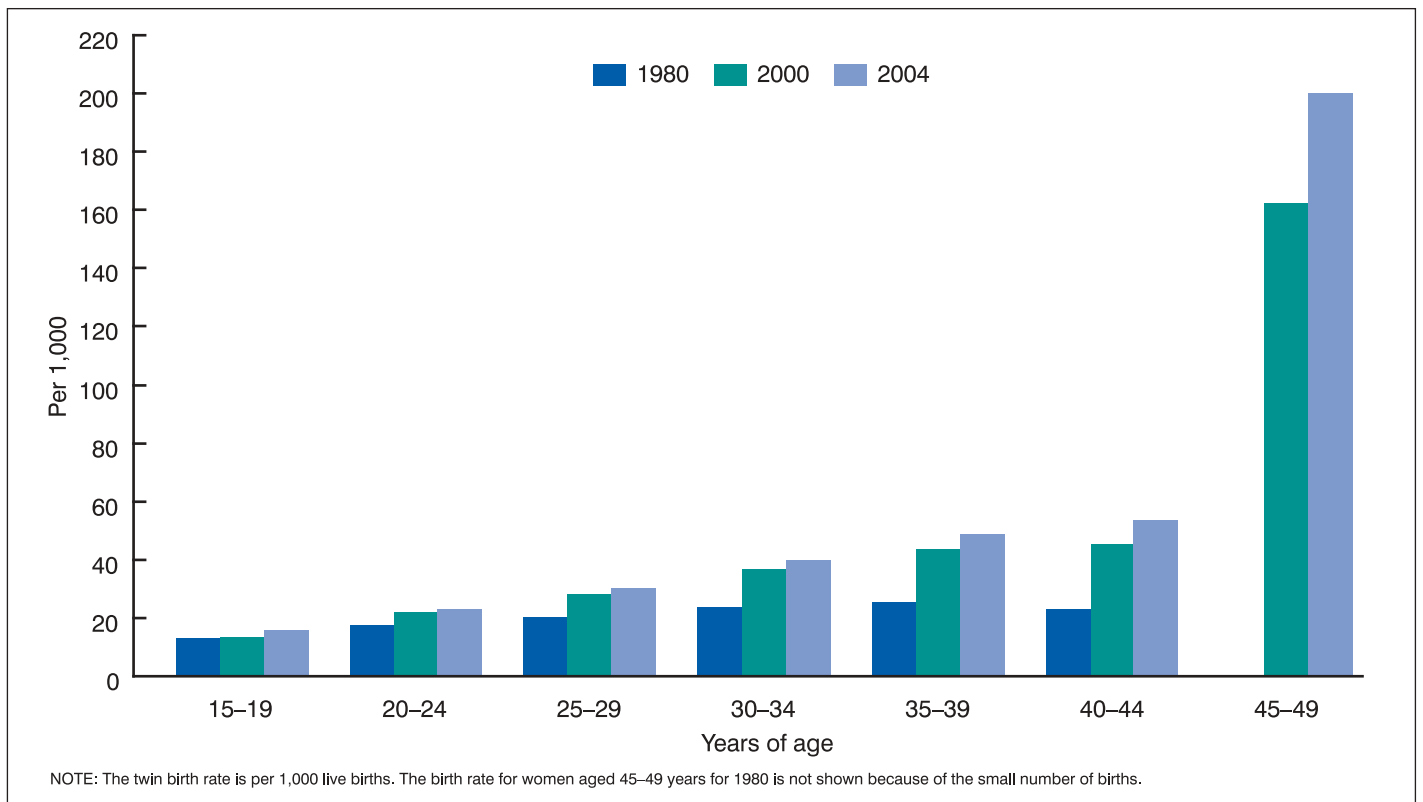
Twinning rates increased between 2003 and 2004 among non-Hispanic white (36.3 in 2004), non-Hispanic black (35.6), and Hispanic women (21.5); the increase for Hispanic women was not statistically significant. Triplet/+ births declined among non-Hispanic white (243.4 per 100,000 for 2004), non-Hispanic 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).

Twinning 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.

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# 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
Geographic area:																					
States <sup>1</sup> . . . . .											11	12	13							20	
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	14	15	16	17	18		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 . . . . .					<sup>3</sup> 5	<sup>3</sup> 6	<sup>3</sup> 7	<sup>3</sup> 8	<sup>4</sup> 9	<sup>4</sup> 10			<sup>3</sup> 13		<sup>3</sup> 15			<sup>5</sup> 18	<sup>6</sup> 19	<sup>4</sup> 20	
Live-birth order . . . . .		2	3			6	7		9	10				14	15						
Method of delivery . . . . .																	17				
Month of birth . . . . .															16						
Multiple births . . . . .																					
Obstetric procedures . . . . .																					
Place of delivery . . . . .																					
Prenatal care . . . . .																					
Race of father . . . . .																					<sup>7</sup> 21
Race of mother . . . . .	<sup>2</sup> 1	<sup>2</sup> 2	<sup>2</sup> 3	<sup>2</sup> 4	<sup>3</sup> 5	<sup>3</sup> 6	<sup>3</sup> 7	<sup>3</sup> 8	<sup>4</sup> 9	<sup>4</sup> 10		<sup>2</sup> 12	<sup>3</sup> 13	<sup>2</sup> 14	<sup>3</sup> 15			<sup>5</sup> 18	<sup>6</sup> 19	<sup>4</sup> 20	
Risk factors in this pregnancy . . . . .																					
Sex of child . . . . .														14	15						
Teenage mothers . . . . .											11			14	15						
Unmarried mothers . . . . .														14	15			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 . . . . .																		
Gestational age . . . . .	22	23	24							31	32	33						
Hispanic origin of mother . . . . .	<sup>4</sup> 22		<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						20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
			Total	15 years	16 years	17 years	18 years	19 years							
All races . . . . .	4,112,052	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										
	15–44 years	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
All races . . . . .	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									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
<b>All races<sup>2</sup></b>											
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
<b>White</b>											
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									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
<b>Black</b>											
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
<b>American Indian<sup>5</sup></b>											
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									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>1</sup>
			Total	15–17 years	18–19 years						
Asian or Pacific Islander											
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	Hispanic							Non-Hispanic		
	All origin <sup>1</sup>	Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
<b>Number</b>										
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
<b>Birth rate</b>										
2004 <sup>6</sup>	14.0	22.9	24.9	16.1	9.3	22.2	( <sup>6</sup> )	12.5	11.6	15.8
2003 <sup>6</sup>	14.1	22.9	24.7	15.1	9.9	23.0	( <sup>6</sup> )	12.7	11.8	15.9
2002 <sup>6</sup>	13.9	22.6	24.2	16.5	10.0	22.4	( <sup>6</sup> )	12.6	11.7	16.1
2001 <sup>6</sup>	14.1	23.0	24.8	17.8	10.3	21.8	( <sup>6</sup> )	12.8	11.8	16.6
2000 <sup>6</sup>	14.4	23.1	25.0	18.1	9.7	21.8	( <sup>6</sup> )	13.2	12.2	17.3
1999 <sup>6</sup>	14.2	22.5	24.2	18.0	9.4	21.7	( <sup>6</sup> )	13.0	12.1	17.1
1998 <sup>6</sup>	14.3	22.7	24.6	17.9	9.7	21.7	( <sup>6</sup> )	13.2	12.2	17.5
1997 <sup>6</sup>	14.2	23.0	25.3	17.2	10.0	21.3	( <sup>6</sup> )	13.1	12.2	17.4
1996 <sup>6</sup>	14.4	23.8	26.2	17.2	10.6	22.5	( <sup>6</sup> )	13.3	12.3	17.6
1995 <sup>6</sup>	14.6	24.1	25.8	19.0	10.8	24.2	( <sup>6</sup> )	13.5	12.5	18.2
1994 <sup>6</sup>	15.0	24.7	26.1	20.8	10.7	24.9	( <sup>6</sup> )	13.9	12.8	19.5
1993 <sup>6</sup>	15.4	25.4	26.8	21.5	10.5	26.3	( <sup>6</sup> )	14.3	13.1	20.7
1992 <sup>6,7</sup>	15.8	26.1	27.4	22.9	10.1	27.5	( <sup>6</sup> )	14.8	13.4	21.6
1991 <sup>6,7</sup>	16.2	26.5	27.6	23.3	9.8	28.3	( <sup>6</sup> )	15.2	13.9	22.4
1990 <sup>4,6</sup>	16.7	26.7	28.7	21.6	10.9	27.5	( <sup>6</sup> )	15.7	14.4	23.0
1989 <sup>5,6</sup>	16.3	26.2	25.7	23.7	10.0	28.3	( <sup>6</sup> )	15.4	14.2	22.8
<b>Fertility rate</b>										
2004 <sup>6</sup>	66.3	97.8	106.8	68.4	53.2	89.3	( <sup>6</sup> )	60.5	58.4	67.0
2003 <sup>6</sup>	66.1	96.9	105.5	61.6	61.7	91.2	( <sup>6</sup> )	60.5	58.5	67.1
2002 <sup>6</sup>	64.8	94.4	102.8	65.4	59.0	86.1	( <sup>6</sup> )	59.6	57.4	67.4
2001 <sup>6</sup>	65.3	96.0	105.7	72.2	56.7	82.7	( <sup>6</sup> )	60.1	57.7	69.1
2000 <sup>6</sup>	65.9	95.9	105.1	73.5	49.3	85.1	( <sup>6</sup> )	61.1	58.5	71.4
1999 <sup>6</sup>	64.4	93.0	101.5	71.1	47.0	84.8	( <sup>6</sup> )	60.0	57.7	69.9
1998 <sup>6</sup>	64.3	93.2	103.2	69.7	46.5	83.5	( <sup>6</sup> )	60.0	57.6	70.9
1997 <sup>6</sup>	63.6	94.2	106.6	65.8	53.1	80.6	( <sup>6</sup> )	59.3	56.8	70.3
1996 <sup>6</sup>	64.1	97.5	110.7	66.5	55.1	84.2	( <sup>6</sup> )	59.6	57.1	70.7
1995 <sup>6</sup>	64.6	98.8	109.9	71.3	52.2	89.1	( <sup>6</sup> )	60.2	57.5	72.8
1994 <sup>6</sup>	65.9	100.7	109.9	78.2	53.6	93.2	( <sup>6</sup> )	61.6	58.2	77.5
1993 <sup>6</sup>	67.0	103.3	110.9	79.8	53.9	101.5	( <sup>6</sup> )	62.7	58.9	81.5
1992 <sup>6,7</sup>	68.4	106.1	113.3	87.9	49.4	104.7	( <sup>6</sup> )	64.2	60.0	84.5
1991 <sup>6,7</sup>	69.3	106.9	114.9	87.9	47.6	105.5	( <sup>6</sup> )	65.2	60.9	87.0
1990 <sup>4,6</sup>	71.0	107.7	118.9	82.9	52.6	102.7	( <sup>6</sup> )	67.1	62.8	89.0
1989 <sup>5,6</sup>	69.2	104.9	106.6	86.6	49.8	95.8	( <sup>6</sup> )	65.7	60.5	84.8

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

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

<sup>3</sup>Excludes data for New Hampshire, which did not report Hispanic origin.

<sup>4</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>5</sup>Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

<sup>6</sup>Rates for the Central and South American population includes other and unknown Hispanic.

<sup>7</sup>Rates are estimated for the United States based on birth data for 49 States and the District of Columbia. Births for New Hampshire that did not report Hispanic origin, are included in the rates for non-Hispanic women; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (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	Age of mother														
	All ages	Under 15 years	15-19 years						20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years
			Total	15 years	16 years	17 years	18 years	19 years							
<b>Hispanic</b>															
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	-
<b>Mexican</b>															
Total	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	-
<b>Puerto Rican</b>															
Total	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	-	-
<b>Cuban</b>															
Total	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	-	-
<b>Central and South American</b>															
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	Age of mother														
	All ages	Under 15 years	15–19 years						20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
			Total	15 years	16 years	17 years	18 years	19 years							
Other and unknown															
Hispanic . . . . .	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	–	–	–	–	–	10	61	68	54	22	1	–
8th child and over . . . . .	150	–	–	–	–	–	–	–	1	21	52	52	21	3	–
Not stated . . . . .	357	–	63	6	6	12	20	19	96	83	67	36	12	–	–
Non-Hispanic															
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 . . . . .															
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 . . . . .															
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	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	Age of mother										
	15–44 years <sup>1</sup>	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
			Total	15–17 years	18–19 years						
<b>Hispanic</b>											
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	*
<b>Non-Hispanic<sup>4</sup></b>											
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	Age of mother										
	15–44 years <sup>1</sup>	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
			Total	15–17 years	18–19 years						
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>	Age of mother									
			10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
				Total	15–17 years	18–19 years						
<b>All origins</b>												
2004	2,045.5	66.3	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
2003	2,042.5	66.1	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7	0.5
2002	2,013.0	64.8	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5
2001	2,034.0	65.3	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1	0.5
2000	2,056.0	65.9	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0	0.5
1999	2,007.5	64.4	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4	0.4
1998	1,999.0	64.3	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4	0.4
1997	1,971.0	63.6	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1	0.4
1996	1,976.0	64.1	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8	0.3
1995	1,978.0	64.6	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6	0.3
1994	2,001.5	65.9	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4	0.3
1993	2,019.5	67.0	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1	0.3
1992	2,046.0	68.4	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9	0.3
1991	2,062.5	69.3	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5	0.2
1990	2,081.0	70.9	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	69.2	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
<b>Hispanic</b>												
2004	2,824.5	97.8	1.3	82.6	49.7	133.5	165.3	145.6	104.1	52.9	12.4	0.7
2003	2,785.5	96.9	1.3	82.3	49.7	132.0	163.4	144.4	102.0	50.8	12.2	0.7
2002	2,718.0	94.4	1.4	83.4	50.7	133.0	164.3	139.4	95.1	47.8	11.5	0.7
2001	2,748.5	96.0	1.6	86.4	52.8	135.5	163.5	140.4	97.6	47.9	11.6	0.7
2000	2,730.0	95.9	1.7	87.3	55.5	132.6	161.3	139.9	97.1	46.6	11.5	0.6
1999	2,649.0	93.0	1.9	86.8	56.9	129.5	157.3	135.8	92.3	44.5	10.6	0.6
1998	2,652.5	93.2	1.9	87.9	58.5	131.5	159.3	136.1	90.5	43.4	10.8	0.6
1997	2,680.5	94.2	2.1	89.6	61.1	132.4	162.6	137.5	89.6	43.4	10.7	0.6
1996	2,772.0	97.5	2.4	94.6	64.2	140.0	170.2	140.7	91.3	43.9	10.7	0.6
1995	2,798.5	98.8	2.6	99.3	68.3	145.4	171.9	140.4	90.5	43.7	10.7	0.6
1994	2,839.0	100.7	2.6	101.3	69.9	147.5	175.7	142.4	91.1	43.4	10.7	0.6
1993	2,894.5	103.3	2.6	101.8	68.5	151.1	180.0	146.0	93.2	44.1	10.6	0.6
1992 <sup>3</sup>	2,957.5	106.1	2.5	103.3	68.9	153.9	185.2	148.8	94.8	45.3	11.0	0.6
1991 <sup>3</sup>	2,963.5	106.9	2.4	104.6	69.2	155.5	184.6	150.0	95.1	44.7	10.7	0.6
1990 <sup>4</sup>	2,959.5	107.7	2.4	100.3	65.9	147.7	181.0	153.0	98.3	45.3	10.9	0.7
1989 <sup>5</sup>	2,903.5	104.9	2.3	100.8	---	---	184.4	146.6	92.1	43.5	10.4	0.6
<b>Mexican</b>												
2004	3,021.0	106.8	1.4	95.5	58.4	152.4	180.0	153.5	106.2	54.3	12.6	0.7
2003	2,957.5	105.5	1.5	93.2	56.9	148.8	176.9	151.5	104.7	50.2	12.8	0.7
2002	2,879.5	102.8	1.5	94.5	58.6	147.5	176.9	144.5	97.9	47.5	12.3	0.8
2001	2,928.5	105.7	1.7	95.4	59.3	147.0	177.0	146.4	101.9	50.0	12.6	0.7
2000	2,906.5	105.1	1.9	95.4	60.6	146.7	174.9	144.7	102.3	49.2	12.2	0.7
1999	2,823.0	101.5	2.1	94.3	60.8	145.6	170.8	141.4	97.4	47.2	10.7	0.7
1998	2,878.0	103.2	2.1	96.4	62.9	149.2	176.5	147.4	94.9	46.9	10.8	0.6
1997	2,957.0	106.6	2.3	103.4	71.3	151.6	180.9	150.0	95.3	47.4	11.5	0.6
1996	3,052.0	110.7	2.6	112.2	77.7	161.6	185.3	154.7	96.5	46.4	12.0	0.7
1995	3,033.5	109.9	2.7	115.9	79.1	170.7	190.4	146.6	93.0	45.5	11.9	0.7
1994	3,024.0	109.9	2.7	109.2	73.6	163.3	189.1	153.6	92.5	45.3	11.7	0.7
1993	3,041.5	110.9	2.5	103.6	68.4	156.6	187.9	159.5	97.2	45.5	11.3	0.8
1992 <sup>3</sup>	3,107.0	113.3	2.4	105.1	---	---	196.6	160.2	97.1	47.4	11.8	0.8
1991 <sup>3</sup>	3,103.5	114.9	2.5	108.3	70.0	164.7	192.4	156.1	99.7	49.1	11.9	0.7
1990 <sup>4</sup>	3,214.0	118.9	2.5	108.0	69.7	162.2	200.3	165.3	104.4	49.1	12.4	0.8
1989 <sup>5</sup>	2,916.5	106.6	2.0	94.5	---	---	184.3	153.7	96.1	41.0	11.1	0.6

See footnotes at end of table.

**Table 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>	Age of mother									
			10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
				Total	15–17 years	18–19 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>	Age of mother									
			10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years <sup>2</sup>
				Total	15–17 years	18–19 years						
<b>Non-Hispanic<sup>7</sup></b>												
<b>Total<sup>6</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.

<sup>1</sup> 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>2</sup> Fertility rates computed by relating total births, regardless of age of mother, to women 15–44 years.

<sup>3</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
<b>All races<sup>1,2</sup></b>								
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>3</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
<b>Non-Hispanic white<sup>2,4</sup></b>								
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
<b>Non-Hispanic black<sup>2,4</sup></b>								
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	Unknown or not stated
<b>All races<sup>1</sup></b>									
2004 . . . . .	27.5	25.2	28.0	29.4	30.4	31.4	32.9	35.9	27.6
2003 . . . . .	27.4	25.2	28.0	29.3	30.4	31.4	33.0	35.8	27.9
2002 . . . . .	27.3	25.1	27.9	29.2	30.3	31.4	32.9	35.9	27.7
2001 . . . . .	27.3	25.0	27.8	29.2	30.3	31.4	32.9	35.9	27.0
2000 . . . . .	27.2	24.9	27.7	29.2	30.3	31.4	32.9	35.8	27.4
1995 . . . . .	26.9	24.5	27.5	29.1	30.1	31.2	32.6	35.4	27.1
1990 . . . . .	26.4	24.2	26.9	28.3	29.4	30.6	32.1	35.1	27.4
1985 . . . . .	25.8	23.7	26.3	27.9	29.3	30.6	32.5	35.7	26.1
1980 <sup>2</sup> . . . . .	25.0	22.7	25.4	27.3	29.0	30.6	32.7	36.0	23.9
<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	28.7
2003 . . . . .	28.2	26.2	28.8	30.1	31.2	32.3	33.9	37.0	28.8
2002 . . . . .	28.2	26.1	28.7	30.1	31.2	32.3	33.9	37.1	28.6
2001 . . . . .	28.1	26.0	28.6	30.1	31.3	32.4	33.9	37.0	28.2
2000 . . . . .	28.0	25.9	28.6	30.0	31.3	32.4	34.0	37.0	28.9
1995 . . . . .	27.6	25.4	28.3	29.9	31.2	32.4	33.9	36.7	28.5
1990 <sup>4</sup> . . . . .	27.1	25.0	27.6	29.1	30.3	31.6	33.2	36.2	28.5
<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	25.7
2003 . . . . .	25.6	22.7	25.9	27.5	28.6	29.7	31.3	34.0	26.3
2002 . . . . .	25.4	22.6	25.8	27.3	28.5	29.6	31.2	34.1	26.5
2001 . . . . .	25.3	22.4	25.7	27.2	28.3	29.6	31.2	34.1	26.4
2000 . . . . .	25.2	22.3	25.5	27.1	28.2	29.5	31.0	33.9	26.0
1995 . . . . .	24.8	21.9	25.3	27.0	28.0	29.3	30.8	33.2	25.4
1990 <sup>4</sup> . . . . .	24.4	21.7	24.6	26.3	27.4	28.7	30.3	33.3	26.0
<b>Hispanic<sup>5</sup></b>									
2004 . . . . .	26.2	23.1	26.2	28.5	30.1	31.5	33.1	35.5	25.8
2003 . . . . .	26.1	23.1	26.1	28.4	30.0	31.4	33.1	35.4	25.8
2002 . . . . .	26.0	23.0	26.0	28.3	29.9	31.4	33.1	35.7	25.7
2001 . . . . .	25.9	22.8	25.9	28.2	29.9	31.4	33.1	35.7	24.4
2000 . . . . .	25.7	22.7	25.8	28.1	29.8	31.3	33.0	35.5	24.2
1995 . . . . .	25.4	22.4	25.5	27.8	29.6	31.1	32.8	35.5	24.2
1990 <sup>4</sup> . . . . .	25.3	22.4	25.2	27.4	29.1	30.6	32.3	35.3	26.1

<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	Origin of mother											
	All origins	Hispanic						Non-Hispanic				Not stated
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>1</sup>	White	Black		
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	Cuban	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	578,772
								Rate		
Birth rate <sup>3</sup> . . . . .	14.0	22.9	24.9	16.1	9.3	22.2	(3)	12.5	11.6	15.8
Fertility rate <sup>3</sup> . . . . .	66.3	97.8	106.8	68.4	53.2	89.3	(3)	60.5	58.4	67.0
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	2,020.0
Sex ratio <sup>4</sup> . . . . .	1,048	1,042	1,039	1,056	1,082	1,046	1,048	1,050	1,053	1,038
								Percent		
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	17.3
4th- and higher-order births . . . . .	11.0	14.0	15.1	12.4	5.1	10.8	11.9	10.1	8.9	15.3
Births to unmarried mothers . . . . .	35.8	46.4	45.2	61.0	33.2	47.6	46.6	32.5	24.5	69.3
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	87.4
								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	22.7

<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	Index of occurrence <sup>1</sup>				
		Total <sup>2</sup>	Vaginal	Method of delivery		
				Total	Primary	Repeat
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 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	Age of mother								
	15–44 years <sup>1</sup>	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
		Total	15–17 years	18–19 years					
All races <sup>3</sup>									
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	Age of mother								
	15–44 years <sup>1</sup>	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
		Total	15–17 years	18–19 years					
<b>Non-Hispanic white</b>									
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	---
<b>Black total</b>									
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
<b>Asian or Pacific Islander total</b>									
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	Age of mother								
	15–44 years <sup>1</sup>	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years <sup>2</sup>
		Total	15–17 years	18–19 years					
Hispanic <sup>9</sup>									
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 populations 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>4</sup> . . . . .	77.2	40.7	129.1	134.4	99.0	59.6	29.6	13.5	6.0	1.2
1982 <sup>4</sup> . . . . .	79.5	40.3	133.4	141.2	103.6	61.1	29.6	13.9	6.0	1.2
1981 <sup>4</sup> . . . . .	80.4	38.9	138.4	145.6	104.3	61.3	29.7	13.3	5.7	1.2
1980 <sup>4</sup> . . . . .	83.0	40.1	145.3	152.8	109.6	62.0	31.2	13.6	5.9	1.1

<sup>1</sup>Rates computed by relating total births, regardless of age of father, to men aged 15–54 years.

<sup>2</sup>Rates computed by relating births of fathers under 20 years of age to men aged 15–19 years.

<sup>3</sup>Includes races other than white and black.

<sup>4</sup>Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (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
All gestation periods <sup>2</sup>		Number								
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
Under 34 weeks										
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
34–36 weeks										
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
37–39 weeks										
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
40 weeks and over										
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
All gestation periods <sup>2</sup>		Percent distribution								
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	...
Under 34 weeks										
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	...
34–36 weeks										
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	...
37–39 weeks										
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	...
40 weeks and over										
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	Origin of mother				
	All races	White	Black	American Indian or Alaska Native <sup>1</sup>	Asian or Pacific Islander
<b>All births</b>					
<b>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>					
<b>Gestational age . . . . .</b>					
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
<b>Birthweight . . . . .</b>					
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	Origin of mother									
	All origins <sup>1</sup>	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black
<b>All births</b>										
<b>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>										
<b>Gestational age . . . . .</b>										
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
<b>Birthweight . . . . .</b>										
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>										
<b>Risk factors in this pregnancy</b>										
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
<b>Obstetric procedures/Characteristics of labor and/or delivery</b>										
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
<b>Congenital Anomalies<sup>4</sup></b>										
Anencephaly . . . . .	4,083,668	441	10.9	9.6	11.1	10.3	11.7	10.2	*	20,748
Meningomyelocele/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>										
<b>Risk factors in this pregnancy</b>										
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
<b>Obstetric procedures/Characteristics of labor and/or delivery</b>										
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
<b>Congenital Anomalies<sup>4</sup></b>										
Anencephaly . . . . .	2,287,827	240	10.5	*	11.1	9.7	12.0	10.0	*	11,737
Meningomyelocele/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>										
<b>Risk factors in this pregnancy</b>										
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
<b>Obstetric procedures/Characteristics of labor and/or delivery</b>										
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
Meningomyelocele/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
Meningomyelocele/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		Hispanic <sup>4</sup>	All races <sup>2</sup>	Non-Hispanic		Hispanic <sup>4</sup>
		White <sup>3</sup>	Black <sup>3</sup>			White <sup>3</sup>	Black <sup>3</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	---	---	---

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

--- Data not available.

<sup>1</sup>Care beginning in 3d trimester.<sup>2</sup>Includes races other than white and black and origin not stated.<sup>3</sup>Race and Hispanic origin are reported separately on 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>4</sup>Includes all persons of Hispanic origin of any race.<sup>5</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>
	All births	Vaginal		Cesarean			Not stated	Total <sup>3</sup>	Primary <sup>4</sup>	
		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	3,100,710	90,690	905,077	569,195	335,882	104,939	22.6	15.9	21.3
1990 <sup>7</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</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>
	All births	Vaginal			Cesarean			Total <sup>3</sup>	Primary <sup>4</sup>	
		Total <sup>1</sup>	After previous cesarean	Total <sup>2</sup>	Primary	Repeat	Not stated			
Hispanic <sup>13</sup>										
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>
	All births	Vaginal			Cesarean			Total <sup>3</sup>	Primary <sup>4</sup>	
		Total <sup>1</sup>	After previous cesarean	Total <sup>2</sup>	Primary	Repeat	Not stated			
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		Hispanic <sup>5</sup>	All races <sup>3</sup>	Non-Hispanic		Hispanic <sup>5</sup>
		White <sup>4</sup>	Black <sup>4</sup>			White <sup>4</sup>	Black <sup>4</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		Hispanic <sup>5</sup>	All races <sup>3</sup>	Non-Hispanic		Hispanic <sup>5</sup>
		White <sup>4</sup>	Black <sup>4</sup>			White <sup>4</sup>	Black <sup>4</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	*	---	*	---	---	*	*

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

--- Data not available.

<sup>1</sup>Percent of all live births by cesarean delivery.<sup>2</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on 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>										Not stated
		Preterm					Term				Postterm	
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total 37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over	
Number												
All races <sup>3</sup>	4,112,052	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	Period of gestation <sup>2</sup>												
	All births	Preterm					Term				Postterm		Not stated
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total 37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over		
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	

0.0 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		Hispanic <sup>5</sup>	All races <sup>3</sup>	Non-Hispanic		Hispanic <sup>5</sup>
		White <sup>4</sup>	Black <sup>4</sup>			White <sup>4</sup>	Black <sup>4</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		Hispanic <sup>5</sup>	All races <sup>3</sup>	Non-Hispanic		Hispanic <sup>5</sup>
		White <sup>4</sup>	Black <sup>4</sup>			White <sup>4</sup>	Black <sup>4</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>	Hispanic <sup>3</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		Hispanic <sup>3</sup>	All races <sup>1</sup>	Non-Hispanic		Hispanic <sup>3</sup>
		White <sup>2</sup>	Black <sup>2</sup>			White <sup>2</sup>	Black <sup>2</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	Age of mother										
	All ages	Under 15 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–54 years
			Total	15–17 years	18–19 years						
All live births											
	Number										
All races <sup>1</sup>	4,112,052	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.

\* 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>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>
<b>All races<sup>4</sup></b>						
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
<b>Non-Hispanic white<sup>5</sup></b>						
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
<b>Non-Hispanic black<sup>5</sup></b>						
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

$B$  = 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

$B$  = 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

$R$  = 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

$R$  = birth rate

$B$  = 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

- $B$  = 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 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

- $p$  = percent divided by 100
- $q = 1 - p$
- $B$  = number of births in the denominator

### 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

$$\begin{aligned}
 B &= \text{number of births in the denominator} \\
 p &= \text{percent divided by 100} \\
 q &= 1 - p
 \end{aligned}$$

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

$$\begin{aligned}
 B_1 &= \text{number of births in the denominator of the first percentage} \\
 B_2 &= \text{number of births in the denominator of the second percentage}
 \end{aligned}$$

$$p = \frac{B_1 \times p_1 + B_2 \times p_2}{B_1 + B_2}$$

$$p_1 = \text{the first percent divided by 100}$$

$$p_2 = \text{the second percent divided by 100}$$

## 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.

*Meningomycele/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).

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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

U.S. DEPARTMENT OF  
 HEALTH & HUMAN SERVICES

Centers for Disease Control and Prevention  
 National Center for Health Statistics  
 3311 Toledo Road  
 Hyattsville, MD 20782

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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	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
All births										
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 $\geq 38^{\circ}\text{C}$	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
Menigocele/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
Number										
All births										
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
Percent										
All births										
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	
All races 3										
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
White										
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
Black										
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	1.6	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 <sup>1</sup>	Complication reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races <sup>3</sup>										
Febrile <sup>4</sup>	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 <sup>4</sup>	3,307,576	64,483	19.6	21.1	18.8	19.0	19.6	21.0	23.0	25,185
Abruptio placenta <sup>4</sup>	3,307,576	17,045	5.2	5.2	5.1	4.8	5.0	6.0	7.8	25,185
Placenta previa <sup>4</sup>	3,307,576	10,822	3.3	1.0	1.8	2.8	4.4	6.4	9.1	25,185
Other excessive bleeding <sup>4</sup>	3,307,576	18,598	5.7	5.3	5.3	5.4	5.9	6.3	8.2	25,185
Seizures during labor <sup>4</sup>	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 <sup>4</sup>	3,307,576	22,825	7.0	8.7	7.2	6.8	6.5	6.1	7.0	25,185
Dysfunctional labor <sup>4</sup>	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 <sup>4</sup>	3,307,576	48,080	14.6	16.5	14.0	14.6	14.6	14.6	14.8	25,185
Cord prolapse <sup>4</sup>	3,307,576	5,682	1.7	1.4	1.6	1.8	1.8	2.0	2.5	25,185
Anesthetic complication <sup>4,5</sup>	2,926,283	1,538	0.5	0.4	0.5	0.5	0.6	0.6	0.7	25,070
Fetal distress <sup>4,5</sup>	2,926,283	108,232	37.3	42.3	37.1	35.6	36.0	38.3	44.7	25,070
White										
Febrile <sup>4</sup>	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 <sup>4</sup>	2,590,115	48,437	18.8	19.7	17.8	18.3	19.1	20.3	22.5	19,762
Abruptio placenta <sup>4</sup>	2,590,115	12,725	5.0	4.9	4.9	4.6	4.8	5.8	7.5	19,762
Placenta previa <sup>4</sup>	2,590,115	8,238	3.2	1.0	1.7	2.8	4.2	6.0	8.5	19,762
Other excessive bleeding <sup>4</sup>	2,590,115	14,604	5.7	5.5	5.4	5.4	5.9	6.2	8.2	19,762
Seizures during labor <sup>4</sup>	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 <sup>4</sup>	2,590,115	17,891	7.0	8.9	7.4	6.7	6.4	6.2	7.2	19,762
Dysfunctional labor <sup>4</sup>	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 <sup>4</sup>	2,590,115	38,273	14.9	17.0	14.6	15.0	14.4	14.6	15.1	19,762
Cord prolapse <sup>4</sup>	2,590,115	4,406	1.7	1.4	1.5	1.7	1.8	1.9	2.7	19,762
Anesthetic complication <sup>4,5</sup>	2,265,477	1,207	0.5	0.4	0.5	0.5	0.6	0.7	0.6	19,669
Fetal distress <sup>4,5</sup>	2,265,477	80,205	35.7	40.1	36.0	34.0	34.3	36.8	43.5	19,669
Black										
Febrile <sup>4</sup>	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 <sup>4</sup>	479,652	10,723	22.5	23.9	21.2	21.4	23.1	25.7	26.7	3,603
Abruptio placenta <sup>4</sup>	479,652	3,190	6.7	6.1	6.3	6.7	7.3	7.7	10.4	3,603
Placenta previa <sup>4</sup>	479,652	1,451	3.0	1.0	1.9	3.1	4.7	7.0	8.9	3,603
Other excessive bleeding <sup>4</sup>	479,652	2,128	4.5	3.5	3.8	4.5	5.1	6.7	7.7	3,603
Seizures during labor <sup>4</sup>	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 <sup>4</sup>	479,652	2,815	5.9	7.5	5.7	5.5	5.7	4.8	6.7	3,603
Dysfunctional labor <sup>4</sup>	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 <sup>4</sup>	479,652	5,267	11.1	14.2	11.1	9.9	10.2	10.1	8.0	3,603
Cord prolapse <sup>4</sup>	479,652	857	1.8	1.3	1.7	2.0	1.9	2.5	2.0	3,603
Anesthetic complication <sup>4,5</sup>	437,311	227	0.5	0.4	0.4	0.6	0.7	0.7	*	3,592
Fetal distress <sup>4,5</sup>	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.

<sup>1</sup> Total number of births to residents of areas reporting specified complication.

<sup>2</sup> No response reported for the complications item.

<sup>3</sup> Includes races other than white and black.

<sup>4</sup> 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.

<sup>5</sup> Texas does not report this complication.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget 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	
Medical risk factors				
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
Complications of labor and/or delivery				
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 <sup>1</sup>	Abnormal condition reported	Age of mother							Not stated <sup>2</sup>
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races <sup>3</sup>										
Anemia	3,307,576	3,025	0.9	1.0	0.8	0.9	0.9	1.1	1.4	28,688
Birth injury <sup>4</sup>	2,899,951	7,783	2.7	3.2	3.0	2.6	2.6	2.3	2.4	28,354
Fetal alcohol syndrome <sup>5</sup>	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 <sup>6</sup>	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 <sup>6</sup>	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
White										
Anemia	2,590,115	2,232	0.9	0.8	0.8	0.8	0.9	1.1	1.3	22,404
Birth injury <sup>4</sup>	2,241,773	6,501	2.9	3.6	3.4	2.8	2.7	2.4	2.6	22,125
Fetal alcohol syndrome <sup>5</sup>	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 <sup>6</sup>	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 <sup>6</sup>	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
Black										
Anemia	479,652	578	1.2	1.2	1.0	1.3	1.4	1.4	2.3	4,154
Birth injury <sup>4</sup>	435,738	644	1.5	1.8	1.5	1.3	1.5	1.4	*	4,113
Fetal alcohol syndrome <sup>5</sup>	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 <sup>6</sup>	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 <sup>6</sup>	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 1,2	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."