Public Use Data File Documentation

1997 Detail Natality

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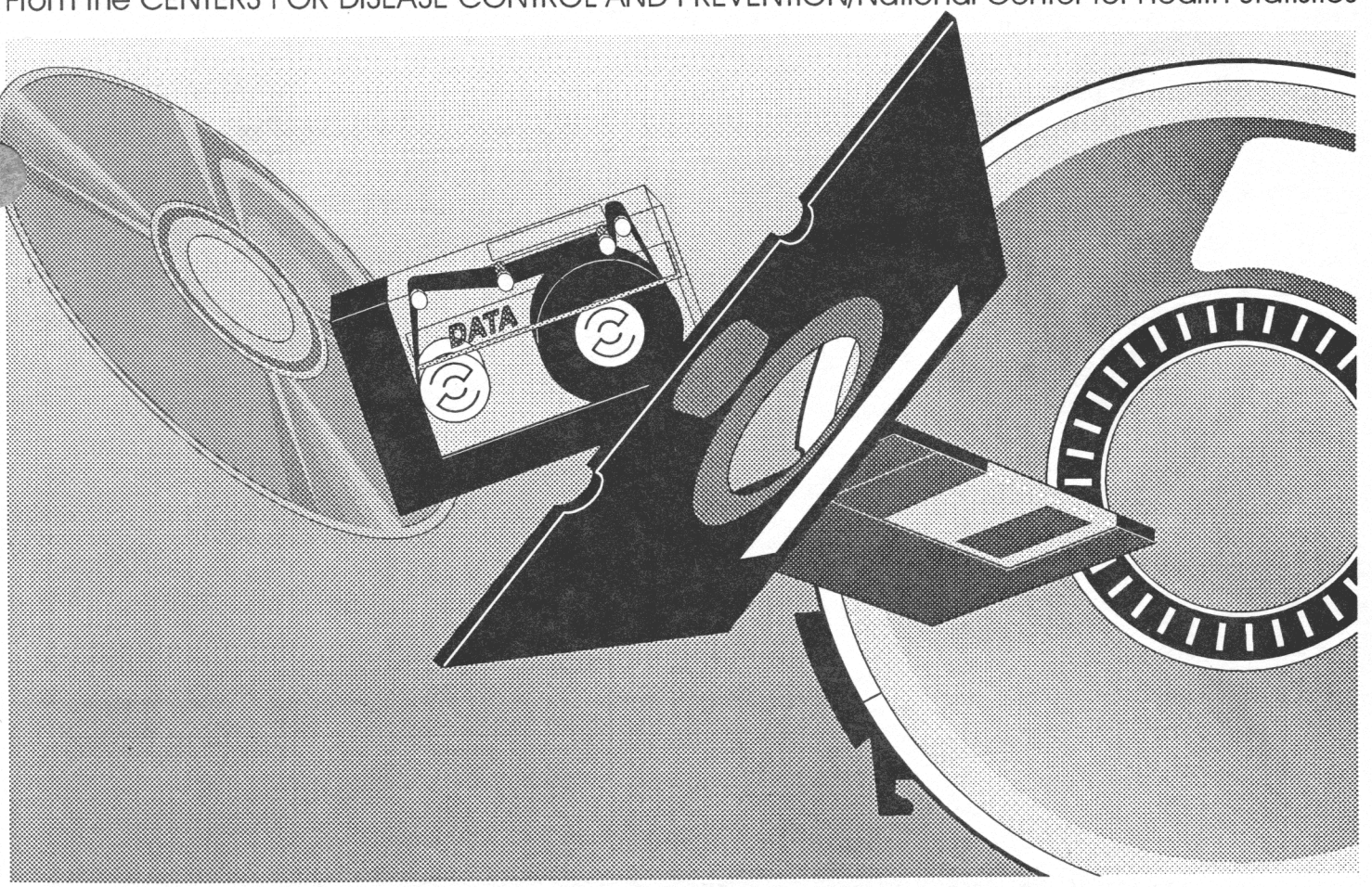
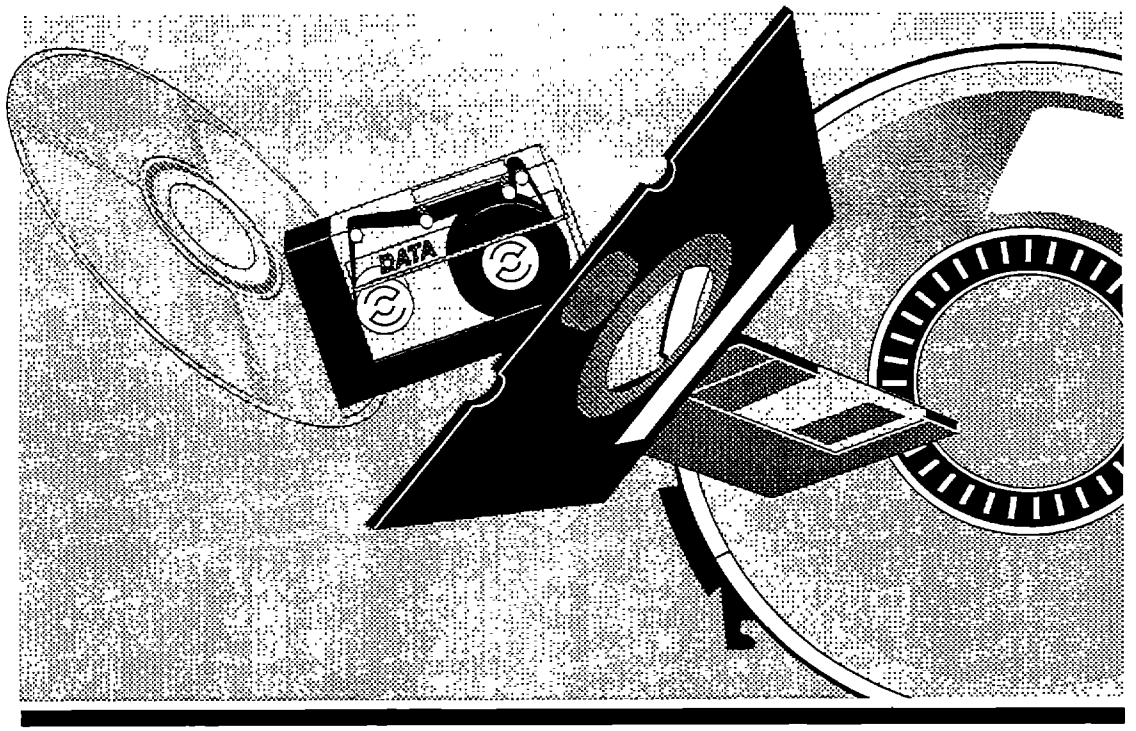


U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

CENTERS FOR DISEASE CONTROL AND PREVENTION

Public Use Data File Documentation

1997 Detail Natality



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

Hyattsville, Maryland
May 1999

DOCUMENTATION OF THE DETAIL NATALITY TAPE FILE FOR 1997 DATA

SPECIAL NOTICE

EFFECTIVE WITH 1997 DATA AMERICAN SAMOA RECORDS ARE INCLUDED IN THE TERRITORIES PUBLIC-USE FILE.

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

Public Use Data Tape Documentation - Natality Detail 1997 Data

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

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

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

Questions concerning the Technical Appendix or substantive questions concerning the natality data should be directed to the Reproductive Statistics Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 820, Hyattsville, MD 20782 (301-436-8954).

Documentation of the Detail Natality Data File for 1997 Data

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

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

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

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

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

Included in this document are:

1. List of data elements and tape locations.
2. Machine/File/Data Characteristics.
3. Detail Record Layout.
4. Geographic Code Outline.
5. Metropolitan Statistical Areas as adapted for use by NCHS/DVS.
6. Technical Appendix.
7. Table 1. Counts of Births by occurrence and residence for each State
8. Report of Final Natality Statistics, 1997

SYMBOLS USED IN TABLES

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

List of Data Elements and Tape Locations

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

List of Data Elements and Tape Locations

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

Machine/File/Data Characteristics:

ALL DATA SETS:

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

U.S. DATA SET:

1. Record count:			
2. Data counts:	ALL BIRTHS:		
	a.	By occurrence:	3,884,329
	b.	By residence:	3,880,894
	c.	To foreign residents:	3,435

PUERTO RICO, VIRGIN ISLANDS, AND GUAM DATA SET:

1.	Record count:		72,289

PUERTO RICO:

2.	Data counts:	ALL BIRTHS:	
	a.	By occurrence:	64,214
	b.	By residence:	64,109

VIRGIN ISLANDS:

1.	Record count:		
.	Data counts:	ALL BIRTHS:	
	a.	By occurrence:	2,127
	b.	By residence:	2,017

GUAM:

1.	Record count:		
2.	Data counts:	ALL BIRTHS:	
	a.	By occurrence:	4,314
	b.	By residence:	4,308

AMERICAN SAMOA:

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

1997
Detail Natality Record

Tape Location	Field Size	Item and Code Outline
1-4	4	**DATAYEAR** **Year Birth of Child (Data Year)** 1997 ... 1997
5	1	**RECTYPE** **Record Type** 1 ... Resident: State and county of occurrence and residence are the same. 2 ... Nonresident: State and/or county of occurrence and residence are different.
6	1	**RESTATUS** **Resident Status** **United States occurrence** 1 ... RESIDENTS: State and county of occurrence and residence are the same. 2 ... INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different. 3 ... INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the U.S. 4 ... FOREIGN RESIDENTS: State of occurrence is one of the 50 States or the District of Columbia, but place of residence of mother is outside of the U.S. **Puerto Rico occurrence** 1 ... RESIDENTS: Territory and county equivalent of occurrence and residence are the same. 2 ... INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. 4 ... FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.

Tape Location	Field Size	Item and Code Outline
6	1	**RESTATUS** **Resident Status (Cont'd)** **Virgin Islands occurrence** 1 ... RESIDENTS: Territory and county equivalent of occurrence and residence are the same. 2 ... INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. 4 ... FOREIGN RESIDENTS: Occurred in the Virgin Islands to a resident of any other place. **Guam occurrence** 1 ... RESIDENTS: Occurred in Guam to a resident of Guam or to a resident of the U.S. 4 ... FOREIGN RESIDENTS: Occurred in Guam to a resident of any place other than Guam or of the U.S. **American Samoa occurrence** 1 ... RESIDENTS: Territory and county equivalent of occurrence and residence are the same. 2 ... INTRATERRITORY NONRESIDENTS: Territory of occurrence and residence are the same, but county equivalent is different. 4 ... FOREIGN RESIDENTS: Occurred in the American Samoa to a resident of any other place.

Tape Location	Field Size	Item and Code Outline
7	1	**RECWT** **Record Weight** 1 ... Constant - as of the 1985 data year, this file contains data on a 100-percent basis from all reporting areas.
8	1	**PLDEL** **Place or Facility of Birth** 1 ... Hospital 2 ... Freestanding Birthing Center 3 ... Clinic or Doctor's Office 4 ... A Residence 5 ... Other 9 ... Unknown or Not Stated
9	1	**PLDEL3** **Place or Facility of Birth Recode** 1 ... In Hospital 2 ... Not in a Hospital 3 ... Unknown or Not Stated
10	1	**BIRATTND** **Attendant at Birth** 1 ... Doctor of Medicine (M.D.) 2 ... Doctor of Osteopathy (D.O.) 3 ... Certified Nurse Midwife (C.N.M.) 4 ... Other Midwife 5 ... Other 9 ... Unknown or Not Stated
11-26	16	**NOCCUR** **Place of Occurrence**
11-13	3	**RDSSCOCC** **Region, Division, and State Subcode of Occurrence**
11	1	**REGNOCC** **Region of Occurrence**
12	1	**DIVOCC** **Division of Occurrence**

Tape Location	Field Size	Item and Code Outline
13	1	**STSUBOCC** **State Subcode of Occurrence**

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

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

1 ... NORTHEAST
- 1 ... New England
  - 1 ... Maine
  - 2 ... New Hampshire
  - 3 ... Vermont
  - 4 ... Massachusetts
  - 5 ... Rhode Island
  - 6 ... Connecticut
- 2 ... Middle Atlantic
  - 1 ... New York
  - 2 ... New Jersey
  - 3 ... Pennsylvania

2 ... MIDWEST
- 3 ... East North Central
  - 1 ... Ohio
  - 2 ... Indiana
  - 3 ... Illinois
  - 4 ... Michigan
  - 5 ... Wisconsin
- 4 ... West North Central
  - 1 ... Minnesota
  - 2 ... Iowa
  - 3 ... Missouri
  - 4 ... North Dakota
  - 5 ... South Dakota
  - 6 ... Nebraska
  - 7 ... Kansas

3 ... SOUTH
- 5 ... South Atlantic
  - 1 ... Delaware
  - 2 ... Maryland
  - 3 ... District of Columbia
  - 4 ... Virginia
  - 5 ... West Virginia
  - 6 ... North Carolina
  - 7 ... South Carolina

Tape Location	Field Size	Item and Code Outline
13	1	**STSUBOCC** **State Subcode of Occurrence** 8 ... Georgia 9 ... Florida 6 ... East South Central 1 ... Kentucky 2 ... Tennessee 3 ... Alabama 4 ... Mississippi 7 ... West South Central 1 ... Arkansas 2 ... Louisiana 3 ... Oklahoma 4 ... Texas 4 ... WEST 8 ... Mountain 1 ... Montana 2 ... Idaho 3 ... Wyoming 4 ... Colorado 5 ... New Mexico 6 ... Arizona 7 ... Utah 8 ... Nevada 9 ... Pacific 1 ... Washington 2 ... Oregon 3 ... California 4 ... Alaska 5 ... Hawaii
14-15	2	**STNATEXP** **Expanded State of Occurrence** This item is designed to separately identify New York city records from other New York State records. **United States** 01 ... Alabama 02 ... Alaska 03 ... Arizona 04 ... Arkansas 05 ... California 06 ... Colorado 07 ... Connecticut 08 ... Delaware 09 ... District of Columbia

Tape Location	Field Size	Item and Code Outline
14-15	2	**STNATEXP**
		Expanded State of Occurrence (Cont'd)
		United States
		10 ... Florida
		11 ... Georgia
		12 ... Hawaii
		13 ... Idaho
		14 ... Illinois
		15 ... Indiana
		16 ... Iowa
		17 ... Kansas
		18 ... Kentucky
		19 ... Louisiana
		20 ... Maine
		21 ... Maryland
		22 ... Massachusetts
		23 ... Michigan
		24 ... Minnesota
		25 ... Mississippi
		26 ... Missouri
		27 ... Montana
		28 ... Nebraska
		29 ... Nevada
		30 ... New Hampshire
		31 ... New Jersey
		32 ... New Mexico
		33 ... New York
		34 ... New York city
		35 ... North Carolina
		36 ... North Dakota
		37 ... Ohio
		38 ... Oklahoma
		39 ... Oregon
		40 ... Pennsylvania
		41 ... Rhode Island
		42 ... South Carolina
		43 ... South Dakota
		44 ... Tennessee
		45 ... Texas
		46 ... Utah
		47 ... Vermont
		48 ... Virginia
		49 ... Washington
		50 ... West Virginia
		51 ... Wisconsin
		52 ... Wyoming
		Puerto Rico
		53 ... Puerto Rico

Tape Location	Field Size	Item and Code Outline		
		Virgin Islands		
		54	...	Virgin Islands
		Guam		
		55	...	Guam
		American Samoa		
		62	...	American Samoa
16-17	2	**STATENAT** **State of Occurrence**		
		United States		
		01	...	Alabama
		02	...	Alaska
		03	...	Arizona
		04	...	Arkansas
		05	...	California
		06	...	Colorado
		07	...	Connecticut
		08	...	Delaware
		09	...	District of Columbia
		10	...	Florida
		11	...	Georgia
		12	...	Hawaii
		13	...	Idaho
		14	...	Illinois
		15	...	Indiana
		16	...	Iowa
		17	...	Kansas
		18	...	Kentucky
		19	...	Louisiana
		20	...	Maine
		21	...	Maryland
		22	...	Massachusetts
		23	...	Michigan
		24	...	Minnesota
		25	...	Mississippi
		26	...	Missouri
		27	...	Montana
		28	...	Nebraska
		29	...	Nevada
		30	...	New Hampshire
		31	...	New Jersey
		32	...	New Mexico
		33	...	New York
		34	...	North Carolina
		35	...	North Dakota
		36	...	Ohio
		37	...	Oklahoma

Tape Location	Field Size	Item and Code Outline		
16-17	2	**STATENAT** State of Occurrence (Cont'd) United States		
		38	...	Oregon
		39	...	Pennsylvania
		40	...	Rhode Island
		41	...	South Carolina
		42	...	South Dakota
		43	...	Tennessee
		44	...	Texas
		45	...	Utah
		46	...	Vermont
		47	...	Virginia
		48	...	Washington
		49	...	West Virginia
		50	...	Wisconsin
		51	...	Wyoming
		Puerto Rico		
		52	...	Puerto Rico
		Virgin Islands		
		53	...	Virgin Islands
		Guam		
		54	...	Guam
		American Samoa		
		61	...	American Samoa
18-20	3	**CNTYNAT** County of Occurrence		
		001-nnn	...	Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both and State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document.
		999	...	County of less than 100,000 population

on	Field Size	Item and Code Outline
5	5	**FIPSOCC** **Federal Information Processing Standards (FIPS) Geographic Codes (Occurrence)** Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. **Some Geographic codes have changed to reflect the results of the 1990 Census.**
	2	**STOCCFIP** **State of Occurrence (FIPS)** **United States** 01 ... Alabama 02 ... Alaska 04 ... Arizona 05 ... Arkansas 06 ... California 08 ... Colorado 09 ... Connecticut 10 ... Delaware 11 ... District of Columbia 12 ... Florida 13 ... Georgia 15 ... Hawaii 16 ... Idaho 17 ... Illinois 18 ... Indiana 19 ... Iowa 20 ... Kansas 21 ... Kentucky 22 ... Louisiana 23 ... Maine 24 ... Maryland 25 ... Massachusetts 26 ... Michigan 27 ... Minnesota 28 ... Mississippi 29 ... Missouri 30 ... Montana 31 ... Nebraska 32 ... Nevada 33 ... New Hampshire 34 ... New Jersey

Tape Location	Field Size	Item and Code Outline
21-22	2	**STOCCFIP** State of Occurrence (FIPS) (Cont'd)

United States

35	...	New Mexico
36	...	New York
37	...	North Carolina
38	...	North Dakota
39	...	Ohio
40	...	Oklahoma
41	...	Oregon
42	...	Pennsylvania
44	...	Rhode Island
45	...	South Carolina
46	...	South Dakota
47	...	Tennessee
48	...	Texas
49	...	Utah
50	...	Vermont
51	...	Virginia
53	...	Washington
54	...	West Virginia
55	...	Wisconsin
56	...	Wyoming

Puerto Rico

72	...	Puerto Rico

Virgin Islands

78	...	Virgin Islands

Guam

66	...	Guam

American Samoa

60	...	American Samoa

Tape Location	Field Size	Item and Code Outline
23-25	3	**CNTOCFIP** **County of Occurrence (FIPS)** 001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document. 999 ... County of less than 100,000 population
26	1	**CNTOCPOP** **Population Size of County of Occurrence** Based on the results of the 1990 Census 0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 9 ... County of less than 100,000

Tape Location	Field Size	Item and Code Outline
27-58	32	**NRESID** **Place of Residence** Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. **Some Geographic codes have changed to reflect the results of the 1990 Census.**
27-29	3	**RDSCRES** **Region, Division, and State Subcode of Residence**
27	1	**REGNRES** **Region of Residence**
28	1	**DIVRES** **Division of Residence**
29	1	**STSUBRES** **State Subcode of Residence** States are coded within Division and the code structure is designed to sequence the States as they appear in NCHS publications. **APPLICABLE TO U.S. ONLY** 000 ... Foreign Residents 1 ... NORTHEAST 1 ... New England 1 ... Maine 2 ... New Hampshire 3 ... Vermont 4 ... Massachusetts 5 ... Rhode Island 6 ... Connecticut 2 ... Middle Atlantic 1 ... New York 2 ... New Jersey 3 ... Pennsylvania 2 ... MIDWEST 3 ... East North Central 1 ... Ohio 2 ... Indiana 3 ... Illinois 4 ... Michigan 5 ... Wisconsin

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

Tape Location	Field Size	Item and Code Outline
29	1	**STSUBRES** **State Subcode of Residence (Cont'd)** **APPLICABLE TO U.S. ONLY** 9 ... Pacific 1 ... Washington 2 ... Oregon 3 ... California 4 ... Alaska 5 ... Hawaii
30-31	2	**STRESEXP** **Expanded State of Residence** This item is designed to separately identify New York City records from other New York State records. **United States occurrence** 01 ... Alabama 02 ... Alaska 03 ... Arizona 04 ... Arkansas 05 ... California 06 ... Colorado 07 ... Connecticut 08 ... Delaware 09 ... District of Columbia 10 ... Florida 11 ... Georgia 12 ... Hawaii 13 ... Idaho 14 ... Illinois 15 ... Indiana 16 ... Iowa 17 ... Kansas 18 ... Kentucky 19 ... Louisiana 20 ... Maine 21 ... Maryland 22 ... Massachusetts 23 ... Michigan 24 ... Minnesota 25 ... Mississippi 26 ... Missouri 27 ... Montana 28 ... Nebraska 29 ... Nevada

Tape Location	Field Size	Item and Code Outline
30-31	2	**STRESEXP** **Expanded State of Residence (Cont'd)**

United States occurrence

30	...	New Hampshire
31	...	New Jersey
32	...	New Mexico
33	...	New York
34	...	New York City
35	...	North Carolina
36	...	North Dakota
37	...	Ohio
38	...	Oklahoma
39	...	Oregon
40	...	Pennsylvania
41	...	Rhode Island
42	...	South Carolina
43	...	South Dakota
44	...	Tennessee
45	...	Texas
46	...	Utah
47	...	Vermont
48	...	Virginia
49	...	Washington
50	...	West Virginia
51	...	Wisconsin
52	...	Wyoming
53-58,60,62	...	Foreign Residents
53	...	Puerto Rico
54	...	Virgin Islands
55	...	Guam
62	...	American Samoa
56	...	Canada
57	...	Cuba
58	...	Mexico
60	...	Remainder of the world

Puerto Rico occurrence

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

Tape Location	Field Size	Item and Code Outline
30-31	2	**STRESEXP** **Expanded State of Residence (Cont'd)** **Virgin Islands occurrence** 54 ... Virgin Islands 01-53,55-58,60,62.. Foreign residents: Refer to U.S. for specific code structure. **Guam occurrence** 55 ... Guam 01-52 ... U.S. resident is also considered a resident of Guam. 53-54,56-58,60,62.. Foreign residents: Refer to U.S. for specific code structure. **American Samoa occurrence** 62 ... American Samoa 01-52 ... U.S. resident is also considered a resident of American Samoa 53-58,60 .. Foreign residents: Refer to U.S. for specific code structure.
32-33	2	**STATERES** **State of Residence** **United States occurrence** 01 ... Alabama 02 ... Alaska 03 ... Arizona 04 ... Arkansas 05 ... California 06 ... Colorado 07 ... Connecticut 08 ... Delaware 09 ... District of Columbia 10 ... Florida 11 ... Georgia 12 ... Hawaii 13 ... Idaho 14 ... Illinois 15 ... Indiana 16 ... Iowa 17 ... Kansas 18 ... Kentucky 19 ... Louisiana 20 ... Maine

Tape Location	Field Size	Item and Code Outline
32-33	2	**STATERES** **State of Residence (Cont'd)**

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

Puerto Rico occurrence

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

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

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

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

Tape Location	Field Size	Item and Code Outline
42-43	2	**STRESFIP** **State of Residence (FIPS) (Cont'd)**

33 ... New Hampshire
34 ... New Jersey
35 ... New Mexico
36 ... New York
37 ... North Carolina
38 ... North Dakota
39 ... Ohio
40 ... Oklahoma
41 ... Oregon
42 ... Pennsylvania
44 ... Rhode Island
45 ... South Carolina
46 ... South Dakota
47 ... Tennessee
48 ... Texas
49 ... Utah
50 ... Vermont
51 ... Virginia
53 ... Washington
54 ... West Virginia
55 ... Wisconsin
56 ... Wyoming

Puerto Rico occurrence

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

Virgin Islands occurrence

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

Guam occurrence

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

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

Tape Location	Field Size	Item and Code Outline
52-53	2	**CMSA** **CMSA of Residence (FIPS)** Consolidated Metropolitan Statistical Areas are groupings of certain Primary Metropolitan Statistical Areas and are defined by the U.S. Office of Management and Budget (OMB) as of June 30, 1990. **All AREAS** 00 ... Not a CMSA **United States occurrence** 07 ... Boston-Worcester-Lawrence, MA-NH-ME CT, CMSA 14 ... Chicago-Gary-Kenosha, IL-IN-WI, CMSA 21 ... Cincinnati-Hamilton, OH-KY-IN, CMSA 28 ... Cleveland-Akron, OH, CMSA 31 ... Dallas-Fort Worth, TX, CMSA 34 ... Denver-Boulder-Greeley, CO, CMSA 35 ... Detroit-Ann Arbor-Flint, MI, CMSA 42 ... Houston-Galveston-Brazoria, TX, CMSA 49 ... Los Angeles-Riverside-Orange County, CA, CMSA 56 ... Miami-Fort Lauderdale, FL, CMSA 63 ... Milwaukee-Racine, WI, CMSA 70 ... New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, CMSA 77 ... Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA 79 ... Portland-Salem, OR-WA, CMSA 82 ... Sacramento-Yolo, CA, CMSA 84 ... San Francisco-Oakland-San Jose, CA, CMSA 91 ... Seattle-Tacoma-Bremerton, WA, CMSA 97 ... Washington-Baltimore, DC-MD-VA-WV, CMSA **Puerto Rico occurrence** 87 ... San Juan-Caguas-Arecibo,PR,CMSA

Tape Location	Field Size	Item and Code Outline
54-57	4	**SMSARFIP** **PMSA/MSA of Residence (FIPS)** Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Management and Budget as of 1990. For New England, the New England County Metropolitan Areas (NECMA's) are used. Further back in this document is a list of PMSA's, MSA's, NECMA's, and their component counties. 0000 ... Nonmetropolitan counties or foreign residents 0040-9360 ... Code range 9999 ... Area of less than 100,000 population
58	1	**CNTRSPOP** **Population Size of County of Residence** Based on the results of the 1990 Census. 0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 9 ... County of less than 100,000 Z ... Foreign resident
59-67	9	**R1A** **Reserved Positions**
68	1	**MAGERFLG** **Reported Age of Mother Used Flag** This position is flagged whenever the mother's reported age is used. The reported age is used, if valid, when age could not be computed or when the computed age is outside the 10-54 code range. Blank ... Reported age is not used 1 ... Reported age is used

Tape Location	Field Size	Item and Code Outline
69	1	**MAGEIMP** **Age of Mother Imputation Flag** Blank ... Age is not imputed 1 ... Age is imputed
70-71	2	**DMAGE** **Age of Mother** This item is: a) computed using dates of birth of mother and of delivery; b) reported; or c) imputed. This is the age item used in NCHS publications. 10-54 ... Age in single years
72-73	2	**MAGE36** **Age of Mother Recode 36** 01 ... Under 15 years 02 ... 15 years 03 ... 16 years 04 ... 17 years 05 ... 18 years 06 ... 19 years 07 ... 20 years 08 ... 21 years 09 ... 22 years 10 ... 23 years 11 ... 24 years 12 ... 25 years 13 ... 26 years 14 ... 27 years 15 ... 28 years 16 ... 29 years 17 ... 30 years 18 ... 31 years 19 ... 32 years 20 ... 33 years 21 ... 34 years 22 ... 35 years 23 ... 36 years 24 ... 37 years 25 ... 38 years 26 ... 39 years 27 ... 40 years 28 ... 41 years 29 ... 42 years 30 ... 43 years

Tape Location	Field Size	Item and Code Outline
72-73	2	**MAGE36** **Age of Mother Recode 36 (Cont'd)** 31 ... 44 years 32 ... 45 years 33 ... 46 years 34 ... 47 years 35 ... 48 years 36 ... 49 years 37 ... 50 years 38 ... 51 years 39 ... 52 years 40 ... 53 years 41 ... 54 years
74-75	2	**MAGE12** **Age of Mother Recode 12** 01 ... Under 15 years 03 ... 15 years 04 ... 16 years 05 ... 17 years 06 ... 18 years 07 ... 19 years 08 ... 20 - 24 years 09 ... 25 - 29 years 10 ... 30 - 34 years 11 ... 35 - 39 years 12 ... 40 - 44 years 13 ... 45 - 49 years 14 ... 50 - 54 years
76	1	**MAGE8** **Age of Mother Recode 8** 1 ... Under 15 years 2 ... 15 - 19 years 3 ... 20 - 24 years 4 ... 25 - 29 years 5 ... 30 - 34 years 6 ... 35 - 39 years 7 ... 40 - 44 years 8 ... 45 - 49 years 9 ... 50 - 54 years

Tape Location	Field Size	Item and Code Outline
77	1	**ORMOTH** **Hispanic Origin of Mother** Hispanic origin is reported by all areas except Puerto Rico, and American Samoa 0 ... Non-Hispanic 1 ... Mexican 2 ... Puerto Rican 3 ... Cuban 4 ... Central or South American 5 ... Other and unknown Hispanic 9 ... Origin unknown or not stated
78	1	**ORRACEM** **Hispanic Origin and Race of Mother Recode** Hispanic origin is reported by all areas except Puerto Rico, and American Samoa 1 ... Mexican 2 ... Puerto Rican 3 ... Cuban 4 ... Central or South American 5 ... Other and unknown Hispanic 6 ... Non-Hispanic White 7 ... Non-Hispanic Black 8 ... Non-Hispanic other races 9 ... Origin unknown or not stated
79	1	**MRACEIMP** **Race of Mother Imputation Flag** Blank ... Race is not imputed 1 ... Unknown race is imputed 2 ... All other races, formerly code 09, is imputed

Tape Location	Field Size	Item and Code Outline
80-81	2	**MRACE** **Race of Mother**

United States occurrence

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

01	...	White
02	...	Black
03	...	American Indian (includes Aleuts and Eskimos)
04	...	Chinese
05	...	Japanese
06	...	Hawaiian (includes part-Hawaiian)
07	...	Filipino
18	...	Asian Indian
28	...	Korean
38	...	Samoan
48	...	Vietnamese
58	...	Guamanian
68	...	Other Asian or Pacific Islander in areas reporting codes 18-58
78	...	Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately

Puerto Rico occurrence

01	...	White
02	...	Black
00	...	Other races

Virgin Islands occurrence

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

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

Tape Location	Field Size	Item and Code Outline
83-84	2	**DMEDUC** **Education of Mother (Cont'd)** 13 ... 1 year of college 14 ... 2 years of college 15 ... 3 years of college 16 ... 4 years of college 17 ... 5 or more years of college 99 ... Not stated
85	1	**MEDUC6** **Education of Mother Recode** 1 ... 0 - 8 years 2 ... 9 - 11 years 3 ... 12 years 4 ... 13 - 15 years 5 ... 16 years and over 6 ... Not stated
86	1	**DMARIMP** **Marital Status of Mother Imputation Flag** Blank ... Marital Status is not imputed 1 ... Marital Status is imputed
87	1	**DMAR** **Marital Status of Mother** Marital status is not reported by all areas. See reporting flags. **United States/Virgin Island/Guam/American Samoa** 1 ... Married 2 ... Unmarried 9 ... Unknown or not stated **Puerto Rico** 1 ... Married 2 ... Unmarried parents living together 3 ... Unmarried parents not living together 9 ... Unknown or not stated

Tape Location	Field Size	Item and Code Outline
88-89	2	**MPLBIR** **Place of Birth of Mother**

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

Tape Location	Field Size	Item and Code Outline
88-89	2	**MPLBIR** **Place of Birth of Mother (Cont'd)** 44 ... Texas 45 ... Utah 46 ... Vermont 47 ... Virginia 48 ... Washington 49 ... West Virginia 50 ... Wisconsin 51 ... Wyoming 52 ... Puerto Rico 53 ... Virgin Islands 54 ... Guam 61 ... American Samoa 55 ... Canada 56 ... Cuba 57 ... Mexico 59 ... Remainder of the World 99 ... Not classifiable
90	1	**MPLBIRR** **Place of Birth of Mother Recode** 1 ... Native born 2 ... Foreign born 3 ... Unknown or not stated
91-92	2	**DMAGERPT** **Reported Age of Mother** 10-54 ... Age in single years 99 ... Unknown or not stated
93	1	**ADEQUACY** **Adequacy Of Care Recode (Kessner Index)** This recode is based on a modified Kessner criterion. Month Prenatal Care Began, Number of Prenatal Visits, and Gestation are the items used to generate this recode. 1 ... Adequate 2 ... Intermediate 3 ... Inadequate 4 ... Unknown

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

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

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

Tape Location	Field Size	Item and Code Outline
114-121	8	**LMPDATE** **Date Last Normal Menses Began**
114-115	2	**LMPMON** **Month Last Normal Menses Began** 01 ... January 02 ... February 03 ... March 04 ... April 05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December 99 ... Unknown or not stated month of LMP
116-117	2	**LMPDAY** **Day Last Normal Menses Began** 01-31 ... As applicable to month of LMP 99 ... Unknown or not stated day of LMP
118-121	4	**LMPYR** **Year Last Normal Menses Began** 1996 ... 1996 1997 ... 1997 9999 ... Unknown or not stated year of LMP
122-127	6	**R8** Item was dropped in 1994
128-130	3	**DISLLB** **Interval Since Last Live Birth** This item is computed from date of birth of this child and date of last live birth. **Item is dropped since 1996 data**
131-132	2	**ISLLB10** **Interval Since Last Live Birth Recode** **Item is dropped since 1996 data**

Tape Location	Field Size	Item and Code Outline
133-137	5	**Imputed Birthweight** Created beginning with 1995 data
133	1	**BWIMP** **Imputed Birthweight Flag** Blank ... Birthweight is not imputed 1 ... Birthweight is imputed
134-137	4	**Imputed Birthweight** 0227-8165 ... Number of grams
138-152	15	**R2** **Reserved Positions**
153	1	**FAGERFLG** **Reported Age of Father Used Flag** This position is flagged whenever the father's reported age in years is used. The reported age is used, if valid, when age derived from date of birth is not available or when it is less than 10. Blank ... Reported age is not used 1 ... Reported age is used
154-155	2	**DFAGE** **Age of Father** This item is either computed from date of birth of father and of child or is the reported age. This is the age item used in NCHS publications. 10-98 ... Age in single years 99 ... Unknown or not stated
156-157	2	**FAGE11** **Age of Father Recode** 01 ... Under 15 years 02 ... 15 - 19 years 03 ... 20 - 24 years 04 ... 25 - 29 years 05 ... 30 - 34 years 06 ... 35 - 39 years 07 ... 40 - 44 years 08 ... 45 - 49 years

Tape Location	Field Size	Item and Code Outline
156-157	2	**FAGE11** **Age of Father Recode (Cont'd)** 09 ... 50 - 54 years 10 ... 55 - 98 years 11 ... Not stated
158	1	**ORFATH** **Hispanic Origin of Father** Hispanic origin of father is reported by all areas except Puerto Rico, and American Samoa 0 ... Non - Hispanic 1 ... Mexican 2 ... Puerto Rican 3 ... Cuban 4 ... Central or South American 5 ... Other and unknown Hispanic 9 ... Origin unknown or not stated
159	1	**ORRACEF** **Hispanic Origin and Race of Father Recode** Hispanic origin of father is reported by all areas except Puerto Rico, and American Samoa 1 ... Mexican 2 ... Puerto Rican 3 ... Cuban 4 ... Central or South American 5 ... Other and unknown Hispanic 6 ... Non - Hispanic White 7 ... Non - Hispanic Black 8 ... Non - Hispanic other or unknown race 9 ... Origin unknown or not stated
160-161	2	**FRACE** **Race of Father** **United States occurrence** Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been Changed to 99. 01 ... White 02 ... Black

Tape Location	Field Size	Item and Code Outline
160-161	2	**FRACE**

Race of Father (Cont'd)

03	...	American Indian (includes Aleuts and Eskimos)
04	...	Chinese
05	...	Japanese
06	...	Hawaiian (includes part-Hawaiian)
07	...	Filipino
18	...	Asian Indian
28	...	Korean
38	...	Samoan
48	...	Vietnamese
58	...	Guamanian
68	...	Other Asian or Pacific Islander in areas reporting codes 18-58
78	...	Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately
99	...	Unknown or Not Stated

Puerto Rico occurrence

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

Virgin Islands occurrence

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

Guam occurrence

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

Tape Location	Field Size	Item and Code Outline
160-161	2	**FRACE** **Race of Father (Cont'd)** 99 ... Unknown or Not Stated **American Samoa occurrence** 01 ... White 02 ... Black 03 ... American Indian (includes Aleuts and Eskimos) 04 ... Chinese 05 ... Japanese 06 ... Hawaiian (includes part-Hawaiian) 07 ... Filipino 08 ... Other Asian or Pacific Islander 99 ... Unknown or Not Stated
162	1	**FRACE4** **Race of Father Recode** 1 ... White 2 ... Races other than White, Black, or unknown 3 ... Black 4 ... Unknown or not stated
163-165	3	**R2A** **Reserved positions** Item was dropped in 1995
166-167	2	**DFAGERPT** **Reported Age of Father** 10-98 ... Age in single years 99 ... Unknown or not stated
168	1	**FRACEIMP** **Race of Father Imputation Flag** (Unknown race of father is not imputed. However, the all other races code is changed to unknown.) Blank ... Race is not changed 3 ... All other races, formerly code 09, is changed to code 99
169	1	**R3** **Reserved Position**

Tape Location	Field Size	Item and Code Outline
170	1	**CDOBMIMP** **Month of Birth of Child Imputation Flag** Blank ... Month is not imputed 1 ... Month is imputed
171	1	**RB** **Reserved Position**
172-173	2	**BIRMON** **Month of Birth** 01 ... January 02 ... February 03 ... March 04 ... April 05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December
174-175	2	**RC** **Reserved Positions**
176-179	4	**BIRYR** **Year of Birth** 1997 ... 1997
180	1	**WEEKDAY** **Day of Week Child Born** 1 ... Sunday 2 ... Monday 3 ... Tuesday 4 ... Wednesday 5 ... Thursday 6 ... Friday 7 ... Saturday

Tape Location	Field Size	Item and Code Outline
170	1	**CDOBMIMP** **Month of Birth of Child Imputation Flag** Blank ... Month is not imputed 1 ... Month is imputed
171	1	**RB** **Reserved Position**
172-173	2	**BIRMON** **Month of Birth** 01 ... January 02 ... February 03 ... March 04 ... April 05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December
174-175	2	**RC** **Reserved Positions**
176-179	4	**BIRYR** **Year of Birth** 1997 ... 1997
180	1	**WEEKDAY** **Day of Week Child Born** 1 ... Sunday 2 ... Monday 3 ... Tuesday 4 ... Wednesday 5 ... Thursday 6 ... Friday 7 ... Saturday

Tape Location	Field Size	Item and Code Outline
181	1	**GESTESTM** **Clinical Estimate of Gestation Used Flag** This position is flagged whenever the clinical estimate of gestation is used. It is used when gestation could not be computed or when the computed gestation is outside the 17-47 code range. Blank ... Clinical Estimate is not used 1 ... Clinical Estimate is used
182	1	**GESTIMP** **Gestation Imputation Flag** Blank ... Gestation is not imputed 1 ... Gestation is imputed
183-184	2	**DGESTAT** **Gestation - Detail in Weeks** This item is: a) computed using dates of birth of child and last normal menses; b) imputed from LMP date; c) the clinical estimate; or d) unknown when there is insufficient data to impute or no valid clinical estimate. This is the gestation item used in NCHS publications. 17-47 ... 17th through 47th week of gestation 99 ... Unknown
185-186	2	**GESTAT10** **Gestation Recode 10** 01 ... Under 20 weeks 02 ... 20 - 27 weeks 03 ... 28 - 31 weeks 04 ... 32 - 35 weeks 05 ... 36 weeks 06 ... 37 - 39 weeks 07 ... 40 weeks 08 ... 41 weeks 09 ... 42 weeks and over 10 ... Not stated

1997
Detail Natality Record

Tape Location	Field Size	Item and Code Outline
187	1	**GESTAT3** **Gestation Recode 3** 1 ... Under 37 weeks 2 ... 37 weeks and over 3 ... Not stated
188	1	**CSEXIMP** **Sex Imputation Flag** Blank ... Sex is not imputed 1 ... Sex is imputed
189	1	**CSEX** **Sex** 1 ... Male 2 ... Female
190-192	3	**RD** **Reserved Positions**
193-196	4	**DBIRWT** **Birth Weight - Detail in Grams** 0227-8165 ... Number of grams 9999 ... Not stated birth weight
197-198	2	**BIRWT12** **Birth Weight Recode 12** 01 ... 499 grams or less 02 ... 500 - 999 grams 03 ... 1000 - 1499 grams 04 ... 1500 - 1999 grams 05 ... 2000 - 2499 grams 06 ... 2500 - 2999 grams 07 ... 3000 - 3499 grams 08 ... 3500 - 3999 grams 09 ... 4000 - 4499 grams 10 ... 4500 - 4999 grams 11 ... 5000 - 8165 grams 12 ... Not stated

Tape Location	Field Size	Item and Code Outline
199	1	**BIRWT4** **Birth Weight Recode 4** 1 ... 1499 grams or less 2 ... 1500 - 2499 grams 3 ... 2500 - grams or more 4 ... Unknown or not stated
200	1	**PLURIMP** **Plurality Imputation Flag** Blank ... Plurality is not imputed 1 ... Plurality is imputed
201	1	**DPLURAL** **Plurality** 1 ... Single 2 ... Twin 3 ... Triplet 4 ... Quadruplet 5 ... Quintuplet or higher
202-204	3	**R6** **Reserved positions** Item was dropped in 1995
205-206	2	**FMAPS** **Five Minute Apgar Score** Apgar Score is not reported by all areas. See reporting flags. 00-10 ... A score of 0-10 99 ... Unknown or not stated
207	1	**FMAPSR** **Five Minute Apgar Score Recode** Apgar Score is not reported by all areas. See reporting flags. 1 ... A score of 0-3 2 ... A score of 4-6 3 ... A score of 7-8 4 ... A score of 9-10 5 ... Not stated

Tape Location	Field Size	Item and Code Outline
208-209	2	**CLINGEST** **Clinical Estimate of Gestation** Clinical estimate is not reported by all areas. See reporting flags. 17-47 ... Estimated gestation in weeks 99 ... Unknown or not stated
210-216	7	**R4** **Reserved Positions**
217-306	90	**MEDINFO** **Medical and Health Data** Some States do not report an entire item while other States do not report all of the categories within an item. If an item is not reported, it is indicated by code zero in the appropriate reporting flag. If a category within an item is not reported it is indicated by code 8 in the position for that category.
217-222	6	**DELMETH** **Method of Delivery** Each method is assigned a separate position, and the code structure for each method (position) is: 1 ... The method was used 2 ... The method was not used 8 ... Method not on certificate 9 ... Method unknown or not stated
217	1	**VAGINAL** **Vaginal**
218	1	**VBAC** **Vaginal birth after previous C-section**
219	1	**PRIMAC** **Primary C -section**
220	1	**REPEAC** **Repeat C -section**

Tape Location	Field Size	Item and Code Outline
221	1	**FORCEP** **Forceps**
222	1	**VACUUM** **Vacuum**
223	1	**R5** **Reserved Position**
224	1	**DELMETH5** **Method of Delivery Recode** 1 ... Vaginal (excludes vaginal after previous C-section) 2 ... Vaginal birth after previous C-section 3 ... Primary C -section 4 ... Repeat C -section 5 ... Not stated
225-241	17	**MEDRISK** **Medical Risk Factors** Each risk factor is assigned a separate position, and the code structure for each risk factor (position) is: 1 ... Factor reported 2 ... Factor not reported 8 ... Factor not on certificate 9 ... Factor not classifiable
225	1	**ANEMIA** **Anemia (Hct.<30/Hgb.<10)**
226	1	**CARDIAC** **Cardiac disease**
227	1	**LUNG** **Acute or chronic lung disease**
228	1	**DIABETES** **Diabetes**
229	1	**HERPES** **Genital herpes**
230	1	**HYDRA** **Hydramnios/Oligohydramnios**

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

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

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

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

Tape Location	Field Size	Item and Code Outline
268	1	**PROLONG** Prolonged labor (>20 hours)
269	1	**DYSFUNC** Dysfunctional labor
270	1	**BREECH** Breech/Malpresentation
271	1	**CEPHALO** Cephalopelvic disproportion
272	1	**CORD** Cord prolapse
273	1	**ANESTHE** Anesthetic complications
274	1	**DISTRESS** Fetal distress
275	1	**OTHERLB** Other Complication of Labor and/or Delivery
276-284	9	**NEWBORN** Abnormal Conditions of the Newborn Each condition is assigned a separate position, and the code structure for each condition (position) is: 1 ... Condition reported 2 ... Condition not reported 8 ... Condition not on certificate 9 ... Condition not classifiable
276	1	**NANEMIA** Anemia (Hct.<39/Hgb.<13)
277	1	**INJURY** Birth injury
278	1	**ALCOSYN** Fetal alcohol syndrome
279	1	**HYALINE** Hyaline membrane disease

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

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

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

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

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

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

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

Tape Location	Field Size	Item and Code Outline
350	1	**POPSMAS** **PMSA/MSA Population Size** Based on 1990 Census county population counts 1 ... Area of 250,000 or more 2 ... Area of 100,000 to 250,000 9 ... Area of less than 100,000 or nonmetropolitan area Z ... Foreign resident

Vital Statistics Geographic Code Outline for the United States

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in the United States. When an event occurs to a nonresident of the United States, residence data are coded only to the "State" level; several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes, the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. Codes are effective with the 1997 data year and are based on the 1990 Census.

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

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

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

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

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

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

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

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

FIPS: For an explanation of FIPS codes, reference should be made to various National Institute of Standards 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 NCHS: 03 014; FIPS: 04 025.

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

Effective With 1997 Data.

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
	001	188	1			Autauga		001	5	5240	
				035	6	Prattville, part					62328
				999	9	Balance of county					99999
	002	184	1			Baldwin		003	4	5160	
				010	6	Daphne					19648
				999	9	Balance of county					99999
	003	000	2			Barbour		005	5	0000	
				014	6	Eufaula					24568
				999	9	Balance of county					99999
	004	000	2	999	9	Bibb		007	6	0000	
	005	032	1	999	9	Blount		009	5	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	5	Anniston					01852
				024	6	Jacksonville					38272
				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	
				040	6	Sheffield					69648
				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			De Kalb		049	4	0000	
				017	6	Fort Payne					27616
				999	9	Balance of county					99999
	026	188	1			Elmore		051	5	5240	
				035	6	Prattville, part					62328
				999	9	Balance of county					99999
	027	000	2	999	9	Escambia		053	5	0000	
	028	105	1			Etowah		055	4	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	6	0000	
	032	000	2	999	9	Greene		063	6	0000	
	033	000	2	999	9	Hale		065	6	0000	
	034	000	2	999	9	Henry		067	6	0000	
	035	077	1			Houston		069	4	2180	
				012	4	Dothan, part					21184
				999	9	Balance of county					99999
	036	000	2			Jackson		071	5	0000	
				038	6	Scottsboro					68736
				999	9	Balance of county					99999
	037	032	1			Jefferson		073	1	1000	
				007	5	Bessemer					05980
				008	2	Birmingham, part					07000
				015	6	Fairfield					25120
				020	6	Homewood					35800
				021	5	Hoover, part					35896
				022	6	Hueytown					36448

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

Effective With 1997 Data.

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
	063					Tuscaloosa, con.		125	3	8600	
				044	4	Tuscaloosa					77256
				999	9	Balance of county					99999
	064	000	2			Walker		127	4	0000	
				025	6	Jasper					38416
				999	9	Balance of county					99999
	065	000	2	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
02						Alaska	02			
	001	000	2	999	9	Aleutians East	013	6	0000	
	002	000	2	999	9	Aleutians West	016	6	0000	
	003	010	1	001	3	Anchorage, coext. with Anchorage city	020	3	0380	03000
	004	000	2	999	9	Bethel	050	6	0000	
	005	000	2	999	9	Bristol Bay	060	6	0000	
	006	000	2	999	9	Dillingham	070	6	0000	
	007	000	2			Fairbanks North Star	090	4	0000	
				002	5	Fairbanks				24230
				999	9	Balance of area				99999
	008	000	2	999	9	Haines	100	6	0000	
	009	000	2	003	5	Juneau, coext. with Juneau city	110	5	0000	36400
	010	000	2	999	9	Kenai Peninsula	122	5	0000	
	011	000	2	999	9	Ketchikan Gateway	130	6	0000	
	012	000	2	999	9	Kodiak Island	150	6	0000	
	013	000	2	999	9	Lake and Peninsula	164	6	0000	
	014	000	2	999	9	Matanuska-Susitna	170	5	0000	
	015	000	2	999	9	Nome	180	6	0000	
	016	000	2	999	9	North Slope	185	6	0000	
	017	000	2	999	9	Northwest Arctic	188	6	0000	
	018	000	2	999	9	Prince of Wales-Outer Ketchikan	201	6	0000	
	019	000	2	999	9	Sitka	220	6	0000	
	020	000	2	999	9	Skagway-Hoonah-Angoon	232	6	0000	
	021	000	2	999	9	Southeast Fairbanks	240	6	0000	
	022	000	2	999	9	Valdez-Cordova	261	6	0000	
	023	000	2	999	9	Wade Hampton	270	6	0000	
	024	000	2	999	9	Wrangell-Petersburg	280	6	0000	
	025	000	2	999	9	Yakutat	282	6	0000	
	026	000	2	999	9	Yukon-Koyukuk	290	6	0000	

Effective With 1997 Data.

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	001	201	1			Alameda		001	0	5775	
				002	4	Alameda					00562
				003	6	Albany					00674
				025	3	Berkeley					06000
				073	6	Dublin					20018
				090	3	Fremont					26000
				103	3	Hayward					33000
				135	4	Livermore					41992
				173	5	Newark					50916
				179	2	Oakland					53000
				199	6	Piedmont					56938
				204	4	Pleasanton					57792
				242	4	San Leandro					68084
				287	4	Union City					81204
				999	9	Balance of county					99999
	002	000	2	999	9	Alpine		003	6	0000	
	003	000	2	999	9	Amador		005	5	0000	
	004	056	1			Butte		007	3	1620	
				042	5	Chico					13014
				184	6	Oroville					54386
				193	5	Paradise					55520
				999	9	Balance of county					99999
	005	000	2	999	9	Calaveras		009	5	0000	
	006	000	2	999	9	Colusa		011	6	0000	
	007	201	1			Contra Costa		013	1	5775	
				006	4	Antioch					02252
				052	3	Concord					16000
				064	5	Danville					17988
				077	6	El Cerrito					21796
				105	6	Hercules					33308
				118	6	Lafayette					39122
				151	5	Martinez					46114
				167	6	Moraga Town					49196
				183	6	Orinda					54232
				200	6	Pinole					57288
				201	5	Pittsburg					57456
				203	5	Pleasant Hill					57764
				218	4	Richmond					60620
				247	5	San Pablo					68294
				249	5	San Ramon					68378
				295	4	Walnut Creek					83346
				999	9	Balance of county					99999
	008	000	2	999	9	Del Norte		015	6	0000	
	009	239	1			El Dorado		017	3	6920	
				270	6	South Lake Tahoe					73108
				999	9	Balance of county					99999
	010	104	1			Fresno		019	1	2840	
				047	4	Clovis					14218
				091	2	Fresno					27000
				216	6	Reedley					60242
				238	6	Sanger					67056
				264	6	Selma					70882
				999	9	Balance of county					99999
	011	000	2	999	9	Glenn		021	6	0000	
	012	000	2			Humboldt		023	3	0000	
				009	6	Arcata					02476
				083	5	Eureka					23042
				999	9	Balance of county					99999
	013	000	2			Imperial		025	3	0000	
				027	6	Brawley					08058
				032	6	Calexico					09710
				076	5	El Centro					21782
				999	9	Balance of county					99999
	014	000	2	999	9	Inyo		027	6	0000	
	015	020	1			Kern		029	1	0680	
				016	3	Bakersfield					03526
				066	6	Delano					18394
				219	5	Ridgecrest					60704
				296	6	Wasco					83542
				999	9	Balance of county					99999
	016	000	2			Kings		031	3	0000	
				053	6	Corcoran					16224
				100	5	Hanford					31960
				134	6	Lemoore					41152

Vital Statistics Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	016					Kings, con.		031	3	0000	
				999	9	Balance of county					99999
	017	000	2			Lake		033	4	0000	
				046	6	Clearlake					13945
				999	9	Balance of county					99999
	018	000	2	999	9	Lassen		035	5	0000	
	019	168	1			Los Angeles		037	0	4480	
				001	6	Agoura Hills					00394
				004	4	Alhambra					00884
				008	5	Arcadia					02462
				011	6	Artesia					02896
				015	5	Azusa					03386
				017	4	Baldwin Park					03666
				020	5	Bell					04870
				021	4	Bellflower					04982
				022	5	Bell Gardens					04996
				026	5	Beverly Hills					06308
				030	4	Burbank					08954
				038	4	Carson					11530
				041	4	Cerritos					12552
				045	5	Claremont					13756
				050	6	Commerce					14974
				051	4	Compton					15044
				057	5	Covina					16742
				058	6	Cudahy					17498
				059	5	Culver City					17568
				068	4	Diamond Bar					19192
				071	4	Downey					19766
				072	6	Duarte					19990
				078	3	El Monte					22230
				080	6	El Segundo					22412
				093	5	Gardena					28168
				096	3	Glendale					30000
				097	5	Glendora					30014
				101	6	Hawaiian Gardens					32506
				102	4	Hawthorne					32548
				106	6	Hermosa Beach					33364
				112	4	Huntington Park					36056
				115	3	Inglewood					36546
				117	6	La Canada Flintridge					39003
				123	4	Lakewood					39892
				125	5	La Mirada					40032
				126	4	Lancaster					40130
				128	5	La Puente					40340
				131	5	La Verne					40830
				132	5	Lawndale					40886
				138	6	Lomita					42468
				140	2	Long Beach					43000
				143	0	Los Angeles					44000
				146	4	Lynwood					44574
				148	5	Manhattan Beach					45400
				153	5	Maywood					46492
				161	5	Monrovia					48648
				163	4	Montebello					48816
				165	4	Monterey Park					48914
				176	4	Norwalk					52526
				188	4	Palmdale					55156
				192	6	Palos Verdes Estates					55380
				194	5	Paramount					55618
				195	3	Pasadena					56000
				198	4	Pico Rivera					56924
				205	3	Pomona					58072
				210	5	Rancho Palos Verdes					59514
				214	4	Redondo Beach					60018
				223	4	Rosemead					62896
				234	5	San Dimas					66070
				235	6	San Fernando					66140
				237	5	San Gabriel					67042
				245	6	San Marino					68224
				253	3	Santa Clarita					69088
				255	6	Santa Fe Springs					69154
				257	4	Santa Monica					70000
				265	6	Sierra Madre					71806
				268	6	South El Monte					72996

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	039					San Joaquin, con.		077	2	8120	
				149	5	Manteca					45484
				274	3	Stockton					75000
				281	5	Tracy					80238
				999	9	Balance of county					99999
	040	252	1			San Luis Obispo		079	3	7460	
				010	6	Arroyo Grande					02868
				012	6	Atascadero					03064
				079	6	El Paso de Robles					22300
				099	6	Grover City					31400
				243	5	San Luis Obispo					68154
				999	9	Balance of county					99999
	041	250	1			San Mateo		081	1	7360	
				023	6	Belmont					05108
				031	5	Burlingame					09066
				062	4	Daly City					17918
				074	6	East Palo Alto					20956
				088	5	Foster City					25338
				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
	043	251	1			Santa Clara		085	0	7400	
				034	5	Campbell					10340
				060	5	Cupertino					17610
				095	5	Gilroy					29504
				142	5	Los Altos					43280
				145	5	Los Gatos					44112
				158	4	Milpitas					47766
				169	6	Morgan Hill					49278
				170	4	Mountain View					49670
				191	4	Palo Alto					55282
				240	1	San Jose					68000
				252	4	Santa Clara					69084
				261	5	Saratoga					70280
				276	3	Sunnyvale					77000
				999	9	Balance of county					99999
	044	254	1			Santa Cruz		087	3	7485	
				035	6	Capitola					11040
				254	5	Santa Cruz					69112
				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	6	0000	
	047	000	2	999	9	Siskiyou		093	5	0000	
	048	290	1			Solano		095	2	8720	
				024	6	Benicia					05290
				070	6	Dixon					19402
				084	4	Fairfield					23182
				275	6	Suisun City					75630
				289	4	Vacaville					81554
				290	3	Vallejo					81666
				999	9	Balance of county					99999
	049	256	1			Sonoma		097	2	7500	
				197	5	Petaluma					56784
				222	5	Rohnert Park					62546
				259	3	Santa Rosa					70098
				999	9	Balance of county					99999
	050	185	1			Stanislaus		099	2	5170	
				040	5	Ceres					12524

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

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

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

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

Effective With 1997 Data.

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

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
	050					Palm Beach, con.		099	1	8960	
				043	6	Jupiter					35875
				047	5	Lake Worth					39075
				068	6	North Palm Beach					49600
				079	6	Palm Beach Gardens					54075
				090	5	Riviera Beach					60975
				092	6	Royal Palm Beach					62100
				113	4	West Palm Beach					76600
				999	9	Balance of county					99999
	051	279	1			Pasco		101	2	8280	
				062	6	New Port Richey					48500
				999	9	Balance of county					99999
	052	279	1			Pinellas		103	1	8280	
				012	4	Clearwater					12875
				025	5	Dunedin					18575
				034	6	Gulfport					28175
				048	4	Largo					39425
				083	5	Pinellas Park					56975
				093	6	Safety Harbor					62425
				096	3	St. Petersburg					63000
				108	6	Tarpon Springs					71150
				999	9	Balance of county					99999
	053	154	1			Polk		105	2	3980	
				004	6	Bartow					03675
				035	6	Haines City					28400
				046	4	Lakeland					38250
				115	6	Winter Haven					78275
				999	9	Balance of county					99999
	054	000	2			Putnam		107	4	0000	
				077	6	Palatka					53875
				999	9	Balance of county					99999
	055	135	1			St. Johns		109	4	3600	
				094	6	St. Augustine					62500
				999	9	Balance of county					99999
	056	099	1			St. Lucie		111	3	2710	
				030	5	Fort Pierce					24300
				088	4	Port St. Lucie					58725
				999	9	Balance of county					99999
	057	212	1	999	9	Santa Rosa		113	4	6080	
	058	257	1			Sarasota		115	2	7510	
				069	6	North Port					49675
				098	4	Sarasota					64175
				111	6	Venice					73900
				999	9	Balance of county					99999
	059	208	1			Seminole		117	2	5960	
				001	5	Altamonte Springs					00950
				011	6	Casselberry					11050
				053	6	Longwood					41250
				076	6	Oviedo					53575
				097	5	Sanford					63650
				117	6	Winter Springs					78325
				999	9	Balance of county					99999
	060	000	2	999	9	Sumter		119	5	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
				023	6	DeLand					16875
				026	6	Edgewater					19825
				038	6	Holly Hill					31350
				063	6	New Smyrna Beach					48625
				075	5	Ormond Beach					53150
				087	5	Port Orange					58575
				100	6	South Daytona					67325
				999	9	Balance of county					99999
	065	000	2	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
11						Georgia	13			
	001	000	2	999	9	Appling	001	6	0000	
	002	000	2	999	9	Atkinson	003	6	0000	
	003	000	2	999	9	Bacon	005	6	0000	
	004	000	2	999	9	Baker	007	6	0000	
	005	000	2			Baldwin	009	5	0000	
				029	6	Milledgeville				51492
				999	9	Balance of county				99999
	006	000	2	999	9	Banks	011	6	0000	
	007	016	1	999	9	Barrow	013	5	0520	
	008	016	1			Bartow	015	4	0520	
				010	6	Cartersville				13688
				999	9	Balance of county				99999
	009	000	2	999	9	Ben Hill	017	6	0000	
	010	000	2	999	9	Berrien	019	6	0000	
	011	172	1			Bibb	021	3	4680	
				027	3	Macon, part				49000
				999	9	Balance of county				99999
	012	000	2	999	9	Bleckley	023	6	0000	
	013	000	2	999	9	Brantley	025	6	0000	
	014	000	2	999	9	Brooks	027	6	0000	
	015	258	1	999	9	Bryan	029	6	7520	
	016	000	2			Bulloch	031	5	0000	
				038	6	Statesboro				73256
				999	9	Balance of county				99999
	017	000	2	999	9	Burke	033	6	0000	
	018	000	2	999	9	Butts	035	6	0000	
	019	000	2	999	9	Calhoun	037	6	0000	
	020	000	2	999	9	Camden	039	5	0000	
	021	000	2	999	9	Candler	043	6	0000	
	022	016	1			Carroll	045	4	0520	
				009	6	Carrollton				13492
				999	9	Balance of county				99999
	023	053	1	999	9	Catoosa	047	5	1560	
	024	000	2	999	9	Charlton	049	6	0000	
	025	258	1			Chatham	051	3	7520	
				035	3	Savannah				69000
				999	9	Balance of county				99999
	026	063	1	999	9	Chattahoochee	053	6	1800	
	027	000	2	999	9	Chattooga	055	6	0000	
	028	016	1	999	9	Cherokee	057	4	0520	
	029	015	1			Clarke	059	4	0500	
				004	5	Athens				03432
				999	9	Balance of county				99999
	030	000	2	999	9	Clay	061	6	0000	
	031	016	1			Clayton	063	3	0520	
				011	6	College Park, part				17776
				021	6	Forest Park				30536
				999	9	Balance of county				99999
	032	000	2	999	9	Clinch	065	6	0000	
	033	016	1			Cobb	067	2	0520	
				028	5	Marietta				49756
				036	5	Smyrna				71492
				999	9	Balance of county				99999
	034	000	2			Coffee	069	5	0000	
				017	6	Douglas				23872
				999	9	Balance of county				99999
	035	000	2			Colquitt	071	5	0000	
				030	6	Moultrie				53060
				999	9	Balance of county				99999
	036	018	1	999	9	Columbia	073	4	0600	
	037	000	2	999	9	Cook	075	6	0000	
	038	016	1			Coweta	077	4	0520	
				031	6	Newnan				55020
				999	9	Balance of county				99999
	039	000	2	999	9	Crawford	079	6	0000	
	040	000	2			Crisp	081	6	0000	
				013	6	Cordele				19616
				999	9	Balance of county				99999
	041	053	1	999	9	Dade	083	6	1560	
	042	000	2	999	9	Dawson	085	6	0000	
	043	000	2			Decatur	087	5	0000	
				007	6	Bainbridge				04896
				999	9	Balance of county				99999
	044	016	1			De Kalb	089	1	0520	
				005	2	Atlanta, part				04000

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	089	000	2			Liberty		179	4	0000	
				024	6	Hinesville					38964
				999	9	Balance of county					99999
	090	000	2	999	9	Lincoln		181	6	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	6	0500	
	098	000	2	999	9	Marion		197	6	0000	
	099	000	2	999	9	Meriwether		199	6	0000	
	100	000	2	999	9	Miller		201	6	0000	
	101	000	2	999	9	Mitchell		205	6	0000	
	102	000	2	999	9	Monroe		207	6	0000	
	103	000	2			Montgomery		209	6	0000	
				042	6	Vidalia, part					79388
				999	9	Balance of county					99999
	104	000	2	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					19000
				999	9	Balance of county					99999
	107	016	1			Newton		217	5	0520	
				014	6	Covington					20064
				999	9	Balance of county					99999
	108	015	1	999	9	Oconee		219	6	0500	
	109	000	2	999	9	Oglethorpe		221	6	0000	
	110	016	1	999	9	Paulding		223	5	0520	
	111	172	1	999	9	Peach		225	6	4680	
	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	6	0000	
	117	000	2	999	9	Putnam		237	6	0000	
	118	000	2	999	9	Quitman		239	6	0000	
	119	000	2	999	9	Rabun		241	6	0000	
	120	000	2	999	9	Randolph		243	6	0000	
	121	018	1			Richmond		245	3	0600	
				006	5	Augusta					04196
				999	9	Balance of county					99999
	122	016	1	999	9	Rockdale		247	4	0520	
	123	000	2	999	9	Schley		249	6	0000	
	124	000	2	999	9	Screven		251	6	0000	
	125	000	2	999	9	Seminole		253	6	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	6	0000	
	128	000	2	999	9	Stewart		259	6	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	6	0000	
	131	000	2	999	9	Taliaferro		265	6	0000	
	132	000	2	999	9	Tattnall		267	6	0000	
	133	000	2	999	9	Taylor		269	6	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	6	0000	
				042	6	Vidalia, part					79388
				999	9	Balance of county					99999

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

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

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

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
15						Indiana	18			
	035	102	1			Huntington	069	5	2760	
				026	6	Huntington				35302
				999	9	Balance of county				99999
	036	000	2			Jackson	071	5	0000	
				054	6	Seymour				68832
				999	9	Balance of county				99999
	037	000	2	999	9	Jasper	073	6	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	6	0000	
	041	130	1			Johnson	081	4	3480	
				017	6	Franklin				25450
				021	5	Greenwood				29898
				999	9	Balance of county				99999
	042	000	2			Knox	083	5	0000	
				060	6	Vincennes				79208
				999	9	Balance of county				99999
	043	000	2			Kosciusko	085	4	0000	
				062	6	Warsaw				80306
				999	9	Balance of county				99999
	044	000	2	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	6	Hobart				34114
				032	6	Lake Station				41535
				040	5	Merrillville				48528
				044	6	Munster				51912
				053	6	Schererville				68220
				999	9	Balance of county				99999
	046	000	2			La Porte	091	3	0000	
				033	6	La Porte				42246
				041	5	Michigan City				48798
				999	9	Balance of county				99999
	047	000	2			Lawrence	093	5	0000	
				002	6	Bedford				04114
				999	9	Balance of county				99999
	048	130	1			Madison	095	3	3480	
				001	4	Anderson				01468
				999	9	Balance of county				99999
	049	130	1			Marion	097	1	3480	
				003	6	Beech Grove				04204
				027	1	Indianapolis				36000
				034	5	Lawrence				42426
				057	6	Speedway				71828
				999	9	Balance of county				99999
	050	000	2	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	
	057	000	2	999	9	Noble	113	5	0000	
	058	057	1	999	9	Ohio	115	6	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	

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

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

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

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

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

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

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

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
21						Maryland	24			
	001	066	1			Allegany	001	4	1900	
				007	6	Cumberland				21325
				999	9	Balance of county				99999
	002	021	1			Anne Arundel	003	2	0720	
				002	5	Annapolis				01600
				999	9	Balance of county				99999
	003	021	1	999	9	Baltimore	005	1	0720	
	004	021	1	003	1	Baltimore city	510	1	0720	04000
	005	296	1	999	9	Calvert	009	4	8840	
	006	000	2	999	9	Caroline	011	5	0000	
	007	021	1			Carroll	013	3	0720	
				018	6	Westminster				83100
				999	9	Balance of county				99999
	008	304	1	999	9	Cecil	015	4	9160	
	009	296	1	999	9	Charles	017	3	8840	
	010	000	2			Dorchester	019	5	0000	
				005	6	Cambridge				12400
				999	9	Balance of county				99999
	011	296	1			Frederick	021	3	8840	
				008	5	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
				999	9	Balance of county				99999
	014	021	1	999	9	Howard	027	3	0720	
	015	000	2	999	9	Kent	029	6	0000	
	016	296	1			Montgomery	031	1	8840	
				009	5	Gaithersburg				31175
				015	5	Rockville				67675
				017	6	Takoma Park, part				76650
				999	9	Balance of county				99999
	017	296	1			Prince George's	033	1	8840	
				004	5	Bowie				08775
				006	6	College Park				18750
				010	6	Greenbelt				34775
				012	6	Hyattsville				41250
				013	6	Laurel				45900
				014	6	New Carrollton				55400
				017	6	Takoma Park, part				76650
				999	9	Balance of county				99999
	018	021	1	999	9	Queen Anne's	035	5	0720	
	019	000	2	999	9	St. Mary's	037	4	0000	
	020	000	2	999	9	Somerset	039	6	0000	
	021	000	2	999	9	Talbot	041	5	0000	
	022	119	1			Washington	043	3	3180	
				011	5	Hagerstown				36075
				999	9	Balance of county				99999
	023	000	2			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
22						Massachusetts	25				
	001	023	1			Barnstable		001	3	0743	
				008	5	Barnstable town					03635
				031	5	Falmouth town					23105
				999	9	Balance of county					99999
	002	218	1			Berkshire		003	3	6323	
				062	6	North Adams					46225
				067	5	Pittsfield					53960
				999	9	Balance of county					99999
	003	037	1			Bristol		005	1	1123	
				007	5	Attleboro					02690
				023	5	Dartmouth town					16425
				029	6	Fairhaven town					22130
				030	4	Fall River					23000
				059	4	New Bedford					45000
				064	5	North Attleborough town					46575
				077	6	Somerset town					62430
				083	5	Taunton					69170
				999	9	Balance of county					99999
	004	000	2	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	6	Danvers town					16250
				035	5	Gloucester					26150
				036	4	Haverhill					29405
				041	4	Lawrence					34550
				046	4	Lynn					37490
				047	6	Lynnfield town					37560
				049	6	Marblehead town					38400
				054	5	Methuen town					40675
				060	6	Newburyport					45245
				066	5	Peabody					52490
				074	5	Salem					59105
				075	5	Saugus town					60015
				082	6	Swampscott town					68645
				999	9	Balance of county					99999
	006	000	2	999	9	Franklin		011	4	0000	
	007	271	1			Hampden		013	2	8003	
				002	5	Agawam town					00800
				020	4	Chicopee					13660
				027	6	East Longmeadow town					19645
				038	5	Holyoke					30840
				044	6	Longmeadow town					36300
				079	3	Springfield					67000
				090	5	Westfield					76030
				091	5	West Springfield town					77850
				999	9	Balance of county					99999
	008	271	1			Hampshire		015	3	8003	
				004	5	Amherst town					01325
				026	6	Easthampton town					19330
				063	5	Northampton					46330
				999	9	Balance of county					99999
	009	037	1			Middlesex		017	0	1123	
				006	5	Arlington town					01605
				009	6	Belmont town					05070
				011	5	Billerica town					05805
				016	6	Burlington town					09840
				017	4	Cambridge					11000
				018	5	Chelmsford town					13135
				025	5	Dracut town					17475
				028	5	Everett					21990
				033	4	Framingham town					24925
				039	6	Hudson town					31540
				043	5	Lexington town					35215
				045	3	Lowell					37000
				048	4	Malden					37875
				050	5	Marlborough					38715
				051	6	Maynard town					39625
				052	4	Medford					39835
				053	5	Melrose					40115
				057	5	Natick town					43895
				061	4	Newton					45560
				071	6	Reading town					56130

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

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

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

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
	041	000	2			Lee		081	4	0000	
				032	5	Tupelo					74840
				999	9	Balance of county					99999
	042	000	2			Leflore		083	5	0000	
				012	6	Greenwood					29340
				999	9	Balance of county					99999
	043	000	2			Lincoln		085	5	0000	
				003	6	Brookhaven					08820
				999	9	Balance of county					99999
	044	000	2			Lowndes		087	4	0000	
				008	6	Columbus					15380
				999	9	Balance of county					99999
	045	133	1			Madison		089	4	3560	
				004	6	Canton					11100
				017	3	Jackson, part					36000
				029	6	Ridgeland					62520
				999	9	Balance of county					99999
	046	000	2	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	6	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	6	0000	
	059	000	2	999	9	Prentiss		117	6	0000	
	060	000	2	999	9	Quitman		119	6	0000	
	061	133	1			Rankin		121	4	3560	
				002	6	Brandon					08300
				017	3	Jackson, part					36000
				027	6	Pearl					55760
				999	9	Balance of county					99999
	062	000	2	999	9	Scott		123	6	0000	
	063	000	2	999	9	Sharkey		125	6	0000	
	064	000	2	999	9	Simpson		127	6	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	6	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	6	0000	
	073	000	2	999	9	Union		145	6	0000	
	074	000	2	999	9	Walthall		147	6	0000	
	075	000	2			Warren		149	5	0000	
				033	6	Vicksburg					76720
				999	9	Balance of county					99999
	076	000	2			Washington		151	4	0000	
				011	5	Greenville					29180
				999	9	Balance of county					99999
	077	000	2	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
				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
26						Missouri	29				
	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	6	0000	
	004	000	2			Audrain		007	6	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	6	0000	
	014	000	2			Callaway		027	5	0000	
				019	6	Fulton					26182
				025	5	Jefferson City, part					37000
				999	9	Balance of county					99999
	015	000	2	999	9	Camden		029	5	0000	
	016	000	2			Cape Girardeau		031	4	0000	
				008	5	Cape Girardeau					11242
				999	9	Balance of county					99999
	017	000	2	999	9	Carroll		033	6	0000	
	018	000	2	999	9	Carter		035	6	0000	
	019	145	1			Cass		037	4	3760	
				004	6	Belton					04384
				028	2	Kansas City, part					38000
				032	5	Lee's Summit, part					41348
				999	9	Balance of county					99999
	020	000	2	999	9	Cedar		039	6	0000	
	021	000	2	999	9	Chariton		041	6	0000	
	022	270	1	999	9	Christian		043	5	7920	
	023	000	2	999	9	Clark		045	6	0000	
	024	145	1			Clay		047	3	3760	
				015	6	Excelsior Springs, part					23086
				020	5	Gladstone					27190
				024	3	Independence, part					35000
				028	2	Kansas City, part					38000
				033	6	Liberty					42032
				999	9	Balance of county					99999
	025	145	1	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	6	0000	
	030	000	2	999	9	Dallas		059	6	0000	
	031	000	2	999	9	Daviess		061	6	0000	
	032	000	2	999	9	De Kalb		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	6	0000	
	039	270	1			Greene		077	3	7920	
				052	3	Springfield					70000
				999	9	Balance of county					99999
	040	000	2	999	9	Grundy		079	6	0000	
	041	000	2	999	9	Harrison		081	6	0000	

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
26						Missouri	29			
	087					Ralls, con.	173	6	0000	
				999	9	Balance of county				99999
	088	000	2			Randolph	175	6	0000	
				038	6	Moberly				49034
				999	9	Balance of county				99999
	089	145	1			Ray	177	6	3760	
				015	6	Excelsior Springs, part				23086
				999	9	Balance of county				99999
	090	000	2	999	9	Reynolds	179	6	0000	
	091	000	2	999	9	Ripley	181	6	0000	
	092	243	1			St. Charles	183	3	7040	
				039	6	O'Fallon				54074
				046	4	St. Charles				64082
				049	5	St. Peters				65126
				999	9	Balance of county				99999
	093	000	2	999	9	St. Clair	185	6	0000	
	094	000	2	999	9	Ste. Genevieve	186	6	0000	
	095	000	2			St. Francois	187	5	0000	
				016	6	Farmington				23752
				999	9	Balance of county				99999
	096	243	1			St. Louis	189	1	7040	
				002	6	Ballwin				03160
				003	6	Bellefontaine Neighbors				04222
				005	6	Berkeley				04906
				007	6	Bridgeton				08398
				010	5	Chesterfield				13600
				011	6	Clayton				14572
				013	6	Crestwood				17218
				014	6	Creve Coeur				17272
				017	6	Ferguson				23986
				018	4	Florissant				24778
				023	6	Hazelwood				31276
				026	6	Jennings				37178
				031	5	Kirkwood				39044
				035	5	Maryland Heights				46586
				040	6	Overland				55550
				043	6	Richmond Heights				61706
				045	6	St. Ann				63956
				053	5	University City				75220
				056	6	Webster Groves				78154
				999	9	Balance of county				99999
	097	243	1	048	2	St. Louis city	510	2	7040	65000
	098	000	2			Saline	195	6	0000	
				034	6	Marshall				46316
				999	9	Balance of county				99999
	099	000	2	999	9	Schuyler	197	6	0000	
	100	000	2	999	9	Scotland	199	6	0000	
	101	000	2			Scott	201	5	0000	
				051	6	Sikeston, part				67790
				999	9	Balance of county				99999
	102	000	2	999	9	Shannon	203	6	0000	
	103	000	2	999	9	Shelby	205	6	0000	
	104	000	2	999	9	Stoddard	207	5	0000	
	105	000	2	999	9	Stone	209	6	0000	
	106	000	2	999	9	Sullivan	211	6	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	
	112	000	2	999	9	Wayne	223	6	0000	
	113	270	1	999	9	Webster	225	6	7920	
	114	000	2	999	9	Worth	227	6	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
27						Montana	30				
	001	000	2	999	9	Beaverhead		001	6	0000	
	002	000	2	999	9	Big Horn		003	6	0000	
	003	000	2	999	9	Blaine		005	6	0000	
	004	000	2	999	9	Broadwater		007	6	0000	
	005	000	2	999	9	Carbon		009	6	0000	
	006	000	2	999	9	Carter		011	6	0000	
	007	113	1			Cascade		013	4	3040	
				005	4	Great Falls					32800
				999	9	Balance of county					99999
	008	000	2	999	9	Chouteau		015	6	0000	
	009	000	2	999	9	Custer		017	6	0000	
	010	000	2	999	9	Daniels		019	6	0000	
	011	000	2	999	9	Dawson		021	6	0000	
	012	000	2	001	6	Deer Lodge, coext. with Anaconda-Deer Lo		023	6	0000	01675
	013	000	2	999	9	Fallon		025	6	0000	
	014	000	2	999	9	Fergus		027	6	0000	
	015	000	2			Flathead		029	4	0000	
				008	6	Kalispell					40075
				999	9	Balance of county					99999
	016	000	2			Gallatin		031	4	0000	
				003	6	Bozeman					08950
				999	9	Balance of county					99999
	017	000	2	999	9	Garfield		033	6	0000	
	018	000	2	999	9	Glacier		035	6	0000	
	019	000	2	999	9	Golden Valley		037	6	0000	
	020	000	2	999	9	Granite		039	6	0000	
	021	000	2			Hill		041	6	0000	
				006	6	Havre					35050
				999	9	Balance of county					99999
	022	000	2	999	9	Jefferson		043	6	0000	
	023	000	2	999	9	Judith Basin		045	6	0000	
	024	000	2	999	9	Lake		047	6	0000	
	025	000	2			Lewis and Clark		049	5	0000	
				007	6	Helena					35600
				999	9	Balance of county					99999
	026	000	2	999	9	Liberty		051	6	0000	
	027	000	2	999	9	Lincoln		053	6	0000	
	028	000	2	999	9	McCone		055	6	0000	
	029	000	2	999	9	Madison		057	6	0000	
	030	000	2	999	9	Meagher		059	6	0000	
	031	000	2	999	9	Mineral		061	6	0000	
	032	000	2			Missoula		063	4	0000	
				009	5	Missoula					50200
				999	9	Balance of county					99999
	033	000	2	999	9	Musselshell		065	6	0000	
	034	000	2	999	9	Park		067	6	0000	
	035	000	2	999	9	Petroleum		069	6	0000	
	036	000	2	999	9	Phillips		071	6	0000	
	037	000	2	999	9	Pondera		073	6	0000	
	038	000	2	999	9	Powder River		075	6	0000	
	039	000	2	999	9	Powell		077	6	0000	
	040	000	2	999	9	Prairie		079	6	0000	
	041	000	2	999	9	Ravalli		081	5	0000	
	042	000	2	999	9	Richland		083	6	0000	
	043	000	2	999	9	Roosevelt		085	6	0000	
	044	000	2	999	9	Rosebud		087	6	0000	
	045	000	2	999	9	Sanders		089	6	0000	
	046	000	2	999	9	Sheridan		091	6	0000	
	047	000	2			Silver Bow		093	5	0000	
				004	5	Butte-Silver Bow					11390
				999	9	Balance of county					99999
	048	000	2	999	9	Stillwater		095	6	0000	
	049	000	2	999	9	Sweet Grass		097	6	0000	
	050	000	2	999	9	Teton		099	6	0000	
	051	000	2	999	9	Toole		101	6	0000	
	052	000	2	999	9	Treasure		103	6	0000	
	053	000	2	999	9	Valley		105	6	0000	
	054	000	2	999	9	Wheatland		107	6	0000	
	055	000	2	999	9	Wibaux		109	6	0000	
	056	029	1			Yellowstone		111	3	0880	
				002	4	Billings					06550
				999	9	Balance of county					99999
	057	000	2	999	9	Yellowstone National Park		113	6	0000	

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
30						New Hampshire	33				
	001	000	2			Belknap		001	5	0000	
				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	4	Manchester					45140
				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	3	1123	
				010	5	Portsmouth					62900
				012	5	Salem town					66660
				999	9	Balance of county					99999
	009	037	1			Strafford		017	3	1123	
				004	5	Dover					18820
				011	5	Rochester					65140
				013	6	Somersworth					69940
				999	9	Balance of county					99999
	010	000	2			Sullivan		019	5	0000	
				002	6	Claremont					12900
				999	9	Balance of county					99999

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	042					Saratoga, con.		091	3	0160	
				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
				048	5	Lindenhurst village					42554
				070	6	Patchogue village					56660
				999	9	Balance of county					99999
	049	000	2	999	9	Sullivan		105	4	0000	
	050	031	1	999	9	Tioga		107	4	0960	
	051	000	2			Tompkins		109	4	0000	
				041	5	Ithaca					38077
				999	9	Balance of county					99999
	052	000	2			Ulster		111	3	0000	
				045	6	Kingston					39727
				999	9	Balance of county					99999
	053	109	1			Warren		113	4	2975	
				033	6	Glens Falls					29333
				999	9	Balance of county					99999
	054	109	1	999	9	Washington		115	4	2975	
	055	236-	1	999	9	Wayne		117	4	6840	
	056	197	1			Westchester		119	1	5600	
				037	6	Harrison village					32402
				052	6	Mamaroneck village					44831
				058	4	Mount Vernon					49121
				060	4	New Rochelle					50617
				068	6	Ossining village					55530
				071	6	Peekskill					56979
				074	6	Port Chester village					59223
				082	6	Rye					64309
				084	6	Scarsdale village					65431
				090	6	Tarrytown village					73176
				100	5	White Plains					81677
				101	3	Yonkers					84000
				102	5	Yorktown town					84077
				999	9	Balance of county					99999
	057	000	2	999	9	Wyoming		121	5	0000	
	058	000	2	999	9	Yates		123	6	0000	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective With 1997 Data.

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
41						South Carolina	45				
	035	000	2			Marlboro		069	5	0000	
				003	6	Bennettsville					05680
				999	9	Balance of county					99999
	036	000	2			Newberry		071	5	0000	
				021	6	Newberry					49570
				999	9	Balance of county					99999
	037	000	2	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	4	3160	
				006	6	Clemson, part					14950
				008	6	Easley					21985
				999	9	Balance of county					99999
	040	062	1			Richland		079	2	1760	
				007	4	Columbia					16000
				017	6	Irmo, part					35890
				999	9	Balance of county					99999
	041	000	2	999	9	Saluda		081	6	0000	
	042	118	1			Spartanburg		083	3	3160	
				014	6	Greer, part					30985
				027	5	Spartanburg					68290
				999	9	Balance of county					99999
	043	275	1			Sumter		085	3	8140	
				029	5	Sumter					70405
				999	9	Balance of county					99999
	044	000	2	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
42						South Dakota	46			
	001	000	2	999	9	Aurora	003	6	0000	
	002	000	2			Beadle	005	6	0000	
				003	6	Huron				31060
				999	9	Balance of county				99999
	003	000	2	999	9	Bennett	007	6	0000	
	004	000	2	999	9	Bon Homme	009	6	0000	
	005	000	2			Brookings	011	5	0000	
				002	6	Brookings				07580
				999	9	Balance of county				99999
	006	000	2			Brown	013	5	0000	
				001	6	Aberdeen				00100
				999	9	Balance of county				99999
	007	000	2	999	9	Brule	015	6	0000	
	008	000	2	999	9	Buffalo	017	6	0000	
	009	000	2	999	9	Butte	019	6	0000	
	010	000	2	999	9	Campbell	021	6	0000	
	011	000	2	999	9	Charles Mix	023	6	0000	
	012	000	2	999	9	Clark	025	6	0000	
	013	000	2			Clay	027	6	0000	
				008	6	Vermillion				66700
				999	9	Balance of county				99999
	014	000	2			Codington	029	6	0000	
				009	6	Watertown				69300
				999	9	Balance of county				99999
	015	000	2	999	9	Corson	031	6	0000	
	016	000	2	999	9	Custer	033	6	0000	
	017	000	2			Davison	035	6	0000	
				004	6	Mitchell				43100
				999	9	Balance of county				99999
	018	000	2	999	9	Day	037	6	0000	
	019	000	2	999	9	Deuel	039	6	0000	
	020	000	2	999	9	Dewey	041	6	0000	
	021	000	2	999	9	Douglas	043	6	0000	
	022	000	2	999	9	Edmunds	045	6	0000	
	023	000	2	999	9	Fall River	047	6	0000	
	024	000	2	999	9	Faulk	049	6	0000	
	025	000	2	999	9	Grant	051	6	0000	
	026	000	2	999	9	Gregory	053	6	0000	
	027	000	2	999	9	Haakon	055	6	0000	
	028	000	2	999	9	Hamlin	057	6	0000	
	029	000	2	999	9	Hand	059	6	0000	
	030	000	2	999	9	Hanson	061	6	0000	
	031	000	2	999	9	Harding	063	6	0000	
	032	000	2			Hughes	065	6	0000	
				005	6	Pierre				49600
				999	9	Balance of county				99999
	033	000	2	999	9	Hutchinson	067	6	0000	
	034	000	2	999	9	Hyde	069	6	0000	
	035	000	2	999	9	Jackson	071	6	0000	
	036	000	2	999	9	Jerauld	073	6	0000	
	037	000	2	999	9	Jones	075	6	0000	
	038	000	2	999	9	Kingsbury	077	6	0000	
	039	000	2	999	9	Lake	079	6	0000	
	040	000	2	999	9	Lawrence	081	6	0000	
	041	266	1			Lincoln	083	6	7760	
				007	3	Sioux Falls, part				59020
				999	9	Balance of county				99999
	042	000	2	999	9	Lyman	085	6	0000	
	043	000	2	999	9	McCook	087	6	0000	
	044	000	2	999	9	McPherson	089	6	0000	
	045	000	2	999	9	Marshall	091	6	0000	
	046	000	2	999	9	Meade	093	6	0000	
	047	000	2	999	9	Mellette	095	6	0000	
	048	000	2	999	9	Miner	097	6	0000	
	049	266	1			Minnehaha	099	3	7760	
				007	3	Sioux Falls, part				59020
				999	9	Balance of county				99999
	050	000	2	999	9	Moody	101	6	0000	
	051	227	1			Pennington	103	4	6660	
				006	4	Rapid City				52980
				999	9	Balance of county				99999
	052	000	2	999	9	Perkins	105	6	0000	
	053	000	2	999	9	Potter	107	6	0000	
	054	000	2	999	9	Roberts	109	6	0000	

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St Cnty	P/S	P/MSA	Place
43						Tennessee	47			
	001	148	1			Anderson	001	4	3840	
				035	5	Oak Ridge, part				55120
				999	9	Balance of county				99999
	002	000	2			Bedford	003	5	0000	
				037	6	Shelbyville				67760
				999	9	Balance of county				99999
	003	000	2	999	9	Benton	005	6	0000	
	004	000	2	999	9	Bledsoe	007	6	0000	
	005	148	1			Blount	009	4	3840	
				029	6	Maryville				46380
				999	9	Balance of county				99999
	006	000	2			Bradley	011	4	0000	
				008	5	Cleveland				15400
				999	9	Balance of county				99999
	007	000	2	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	5	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	6	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	2	Nashville-Davidson				52010
				999	9	Balance of county				99999
	020	000	2	999	9	Decatur	039	6	0000	
	021	000	2	999	9	De Kalb	041	6	0000	
	022	192	1	999	9	Dickson	043	5	5360	
	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				50280
				999	9	Balance of county				99999
	033	053	1			Hamilton	065	2	1560	
				006	3	Chattanooga				14000
				013	6	East Ridge				22720
				036	6	Red Bank				61960
				999	9	Balance of county				99999
	034	000	2	999	9	Hancock	067	6	0000	
	035	000	2	999	9	Hardeman	069	6	0000	
	036	000	2	999	9	Hardin	071	6	0000	
	037	140	1			Hawkins	073	5	3660	
				024	5	Kingsport, part				39560
				999	9	Balance of county				99999
	038	000	2			Haywood	075	6	0000	
				005	6	Brownsville				08920
				999	9	Balance of county				99999
	039	000	2	999	9	Henderson	077	6	0000	
	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	6	0000	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	036	000	2			Manitowoc		071	4	0000	
				027	5	Manitowoc					48500
				053	6	Two Rivers					81325
				999	9	Balance of county					99999
	037	298	1			Marathon		073	3	8940	
				029	6	Marshfield, part					49675
				056	5	Wausau					84475
				999	9	Balance of county					99999
	038	000	2			Marinette		075	5	0000	
				028	6	Marinette					49300
				999	9	Balance of county					99999
	039	000	2	999	9	Marquette		077	6	0000	
	040	000	2	999	9	Menominee		078	6	0000	
	041	182	1			Milwaukee		079	1	5080	
				007	6	Brown Deer village					10375
				010	6	Cudahy					17975
				016	6	Franklin					27300
				018	6	Glendale					29400
				020	6	Greendale village					31125
				021	5	Greenfield					31175
				035	1	Milwaukee, part					53000
				040	6	Oak Creek					58800
				048	6	Shorewood village					73725
				049	6	South Milwaukee					75125
				057	5	Wauwatosa					84675
				058	4	West Allis					85300
				060	6	Whitefish Bay village					86700
				999	9	Balance of county					99999
	042	000	2	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
				023	6	Kaukauna					38800
				999	9	Balance of county					99999
	046	182	1			Ozaukee		089	4	5080	
				008	6	Cedarburg					13375
				033	6	Mequon					51150
				999	9	Balance of county					99999
	047	000	2	999	9	Pepin		091	6	0000	
	048	183	1			Pierce		093	5	5120	
				046	6	River Falls, part					68275
				999	9	Balance of county					99999
	049	000	2	999	9	Polk		095	5	0000	
	050	000	2			Portage		097	4	0000	
				050	6	Stevens Point					77200
				999	9	Balance of county					99999
	051	000	2	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
	057	000	2	999	9	Sauk		111	5	0000	
	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	5	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	

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

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

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

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

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in Puerto Rico, Virgin Islands, Guam or American Samoa. When an event occurs to a nonresident of these areas, residence data are coded only to the "State" level; each U.S. state, several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes, the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. Codes are effective with the 1997 data year and are based on results of the 1990 Census.

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

Puerto Rico:

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

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

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

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

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

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

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

Virgin Islands:

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

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

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

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

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

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

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

Virgin Islands - Con.

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

Guam:

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

County (Cnty): None are identified in Guam.

P/MSA: None are identified in Guam.

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

City or Place: None are identified in Guam.

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

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

American Samoa:

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

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

P/MSA: None are identified in American Samoa.

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

City or Place: None are identified in American Samoa.

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

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

Vital Statistics Geographic Code Outline For Puerto Rico, Virgin Islands, Guam and American Samoa effective With 1997 Data

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

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

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

Vital Statistics Codes						FIPS Codes			
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
52					Puerto Rico	72			
	075	000	2	999	Vieques		147	0000	
	076	005	1	999	Villalba		149	6360	
	077	006	1	999	Yabucoa		151	7440	
	078	005	1	999	Yauco		153	6360	
53					Virgin Islands	78			
	001	000	2	999	St. Croix		010	0000	
	002	000	2	999	St. John		020	0000	
	003	000	2		St. Thomas		030	0000	
				001	Charlotte Amalie				99999
				999	Balance of area				99999
54					Guam	66			
	000	000	2		Guam		010	0000	
				000	Guam				99999
55	ZZZ	ZZZ	Z	ZZZ	Canada	00	000	0000	00000
56	ZZZ	ZZZ	Z	ZZZ	Cuba	00	000	0000	00000
57	ZZZ	ZZZ	Z	ZZZ	Mexico	00	000	0000	00000
59	ZZZ	ZZZ	Z	ZZZ	Remainder of World	00	000	0000	00000
61					American Samoa	60			
	000	000	2		American Samoa		010	0000	
				000	American Samoa				99999

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

VITAL STATISTICS OF UNITED STATES

1997

NATALITY

U.S. DEPARTMENT OF
HEALTH AND HUMAN SERVICES

CENTERS FOR DISEASE CONTROL AND PREVENTION
NATIONAL CENTER FOR HEALTH STATISTICS
Hyattsville, Maryland: May 1999

VITAL STATISTICS OF THE UNITED STATES: NATALITY, 1997
TECHNICAL APPENDIX

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A copy of the technical appendix may be obtained by contacting the National Center for Health Statistics, Reproductive Statistics Branch at 301-436-8954.

VITAL STATISTICS OF THE UNITED STATES: NATALITY, 1997
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For a list of reports published by the National Center for Health Statistics contact:

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National Center for Health Statistics
Centers for Disease Control and Prevention
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Hyattsville, MD 20782-2003
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Definition of live birth

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

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

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

History of birth-registration area

The national birth-registration area was proposed in 1850 and established in 1915. By 1933 all 48 States and the District of Columbia were participating in the registration system. The organized territories of Hawaii and Alaska were admitted in 1929 and 1950, respectively; data from these areas were prepared separately until they became States--Alaska in 1959 and Hawaii in 1960. Currently the birth-registration system of the United States covers the 50 States, the District of Columbia, the independent registration area of New York City, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands. However, in the statistical tabulations, "United States" refers only to the aggregate of the 50 States (including New York City) and the District of Columbia.

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

Because of the growth of the area for which data have been collected and tabulated, a national series of geographically comparable data before 1933 can be obtained only by estimation. Annual estimates of births have been prepared by P. K. Whelpton for 1909-34 (4). These estimates include adjustments for underregistration and

for States that were not part of the birth-registration area before 1933.

Sources of data

Natality statistics

Since 1985 natality statistics for all States and the District of Columbia have been based on information from the total file of records. The information is received on computer data tapes coded by the States and provided to NCHS through the Vital Statistics Cooperative Program. NCHS receives these tapes from the registration offices of all States, the District of Columbia, and New York City. Information for PuertoRico is also received on computer tapes through the Vital Statistics Cooperative Program. Information for the Virgin Islands and Guam is obtained from microfilm copies of original birth certificates and is based on the total file of records for all years. Data from American Samoa first became available in 1997. Similar to data from the Virgin Islands and Guam, the data are obtained from microfilm copies of original birth certificates and are based on the total file of records.

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

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

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

Standard certificate of live birth

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

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

1989 revision—Effective January 1, 1989, a revised U.S. Standard Certificate of Live Birth (figure 4-A) replaced the 1978 revision. This revision provided a wide variety of new information on maternal and infant health

characteristics, representing a significant departure from previous versions in both content and format. The most significant format change was the use of check boxes to obtain detailed medical and health information about the mother and child. It has been demonstrated that this format produces higher quality and more complete information than do open-ended items.

The reformatted items included "Medical Risk Factors for This Pregnancy," which combines the former items "Complications of Pregnancy" and "Concurrent Illnesses or Conditions Affecting the Pregnancy." "Complications of Labor and/or Delivery" and "Congenital Anomalies of Child" also have been revised from the open-ended format. For each of these items at least 15 specific conditions have been identified.

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

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

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

Classification of data

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

The general rules used to classify geographic and personal items for live births are set forth in "Vital Statistics Classification and Coding Instructions for Live Birth Records, 1997," *NCHS Instruction Manual*, Part 3a. The classification of certain important items is discussed in the following pages. See table A for a listing of items and the percent of records that were not stated for each State, Puerto Rico, Virgin Islands, Guam, and American Samoa.

Classification by occurrence and residence

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

For the total United States the tabulations by place of residence and by place of occurrence are not identical. Births

to nonresidents of the United States are included in data by place of occurrence but excluded from data by place of residence, as previously indicated. See table B for the number of births by residence and occurrence for the 50 States and the District of Columbia for 1997.

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

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

Geographic classification

The rules followed in the classification of geographic areas for live births are contained in the instruction manual mentioned previously. The geographic code structure for 1997 is given in another manual, "Vital Records Geographic Classification, 1994," *NCHS Instruction Manual* , Part 8.

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

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

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

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

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

Population-size groups--Beginning in 1994 vital statistics data for cities and certain other urban places have been classified according to the population enumerated in the 1990 Census of Population. Data are available for individual cities and other urban places of 100,000 or more population. Data for the remaining areas not separately identified are shown in the tables under the heading "Balance of area" or "Balance of county." Classification of areas for 1982-93 was determined by the population enumerated in the 1980 Census of Population. As a result of changes in the enumerated population between 1980 and 1990, some urban places identified in previous reports are no longer included, and a number of other urban places have been added.

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

- Each town in New England, New York, and Wisconsin and each township in Michigan, New Jersey, and Pennsylvania that had no incorporated municipality as a subdivision and had either 25,000 inhabitants or more, or a population of 10,000 to 25,000 and a density of 1,000 persons or more per square mile.

- Each county in States other than those indicated above that had no incorporated municipality within its boundary and had a density of 1,000 persons or more per square mile. (Arlington County, Virginia, is the only county classified as urban under this rule.)
- Each place in Hawaii with 10,000 or more population. (There are no incorporated cities in Hawaii.)

Race or national origin

Beginning with the 1989 data year birth data are tabulated primarily by race of mother. In 1988 and prior years the race or national origin shown in tabulations was that of the newborn child. However, beginning with the 19xx issue of *Vital Statistics of the United States, Volume I, Natality*, trend data for years beginning with 1980 have been retabulated by race of mother. The race of the child was determined for statistical purposes by an algorithm based on the race of the mother and father as reported on the birth certificate. When the parents were of the same race, the race of the child was the same as the race of the parents. When the parents were of different races and one parent was white, the child was assigned to the race of the other parent. When the parents were of different races and neither parent was white, the child was assigned to the race of the father, with one exception–if either parent was Hawaiian, the child was assigned to Hawaiian. If race was missing for one parent, the child was assigned the race of the parent for whom it was reported. When information on race was missing for both parents, the race of the child was considered not stated and the birth was allocated according to rules discussed on page 4 of the Technical Appendix, volume I, *Vital Statistics of the United States*, 1988. In 1989 the criteria for reporting the race of the parents did not change and continues to reflect the response of the informant (usually the mother).

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

A second factor has been the increasing incidence of interracial parentage. In 1997, 5.0 percent of births were to parents of different races, more than double the percent in 1977 (2.0 percent). More than half of these births were to white mothers and fathers of another race (55 percent in 1997). There have been two major consequences of the increasing interracial parentage. One is the effect on birth rates by race. The number of white births under the former procedures has been arbitrarily limited to infants whose parents were both white (or one parent if the race of only one parent was reported). At the same time, the number of births of other races has been arbitrarily increased to include all births to white mothers and fathers of other races. Thus, prior to 1989, if race of mother had been used, birth rates per 1,000 white women in a given age group would have been higher, while comparable rates for black women and women of other races would have been lower. The other consequence of increasing interracial parentage is the impact on the racial differential in various characteristics of births, particularly in cases where there is generally a large racial disparity, such as the incidence of low birthweight. In this instance, the racial differential is larger when the data are tabulated by race of mother rather than by race of child. The same effect has been noted for characteristics such as nonmarital childbearing, preterm births, late or no prenatal care, and low educational attainment of mother.

The third factor influencing the change is the growing proportion of births with race of father not stated, 15 percent in 1997. Although this proportion has stabilized and declined slightly in the 1990's, it is still higher than in 1977, 10 percent. The high proportion of records with the father's race not reported reflects the increase in the proportion of births to unmarried women; in many cases no information is reported on the father. These births were already assigned the race of the mother because there is no alternative. Tabulating births by race of mother provides a more uniform approach, rather than a necessarily arbitrary combination of parental races.

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

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

Beginning in 1992, NCHS contracted with seven States with the highest API populations to code births to additional API subgroups. The API subgroups include births to Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and other API women. The seven States included in this reporting area are: California, Hawaii, Illinois, New Jersey, New York, Texas, and Washington. At least two-thirds of the U.S. population of each of these additional API groups lived in the seven-State reporting area(8). The data are available on the detailed natality tapes and CD-ROMs beginning with the 1992 data year. An analytic report based on the 1992 data year is also available upon request(9). In 1996, Minnesota became the eighth State to provide this information.

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

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

Race or national origin not stated--If the race of the mother is not defined or not identifiable with one of the categories used in the classification (0.7 percent of births in 1997) and the race of the father is known, the race of the father is assigned to the mother. Where information for both parents is missing, the race of the mother is allocated electronically according to the specific race of the mother on the preceding record with a known race of mother. Data for both parents were missing for only 0.4 percent of birth certificates for 1997. Nearly all statistics by race or national origin for the United States as a whole in 1962 and 1963 are affected by a lack of information for New Jersey, which did not report the race of the parents in those years. Birth rates by race for those years are computed on a population base that excluded New Jersey. For the method of estimating the U.S. population by age, sex, and race excluding New Jersey in 1962 and 1963, see page 4-8 in the Technical Appendix of volume I, *Vital Statistics of the United States*, 1963.

Age of mother

Beginning in 1989 an item on the birth certificate asks for "Date of Birth." In previous years, "Age (at time of this birth)" was requested. Not all States have revised this item for 1989, and therefore the age of mother either is derived from the reported month and year of birth or coded as stated on the certificate. In 1997, the mother's age is reported directly by six States (Hawaii, Kentucky, Nevada, North Dakota, Virginia, and Wyoming). From 1964 to 1996, the age of mother was edited for 10-49 years. When the age of mother was computed to be under 10 years or 50 years or over, it was considered not stated and was assigned as described below. Beginning in 1997, age of mother is edited for ages 10-54 years. When the age of mother is computed to be under 10 years or 55 years or over, it is considered not stated and was assigned as described below. 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 50-54 years are too small for computing age-specific birth rates. These births have been included with births to women 45-49 for computing birth rates.

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

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

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

Not stated date of birth of mother--Beginning in 1964 birth records with date of birth of mother and/or age of mother not stated have had age imputed according to the age of mother from the previous birth record of the same race and total-birth order (total of fetal deaths and live births). (See "Computer Edits for Natality Data, Effective 1993" NCHS Instruction Manual, Part 12, page 9.) In 1963 birth records with age not stated were allocated according to the age appearing on the record previously processed for a mother of identical race and parity (number of live births). For 1960-62 not stated ages were distributed in proportion to the known ages for each racial group. Before 1960 this was done for age-specific birth rates but not for the birth frequency tables, which showed a separate category for age not stated.

Age of father

Age of father is derived from the reported date of birth or coded as stated on the birth certificate. If the age is under 10 years, it is considered not stated and grouped with those cases for which age is not stated on the certificate. Information on age of father is often missing on birth certificates of children born to unmarried mothers, greatly inflating the number of "not stated" in all tabulations by age of father. In computing birth rates by age of father, births tabulated as age of father not stated are distributed in the same proportions as births with known age within each 5-year-age
classification of the mother. This procedure is followed because, while father's age is missing in 15 percent of the birth certificates in 1997, one third of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

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 1997 birth. Fetal deaths are excluded.

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

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

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

birth order" category under the old rules were assigned to the "Not stated" category.

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

Date of last live birth

The date of last live birth was added to the U.S. Standard Certificate of Live Birth in 1968 for the purpose of providing information on child spacing. The interval since the last live birth is the difference between the date of last live birth and the date of present birth. For an interval to be computed, both the month and year of the last live birth must be valid. This interval is computed only for events to mothers who have had at least one previous live birth. Births for which the interval since last live birth is not stated are excluded from the computation of percents and means.

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

Beginning in 1995, NCHS ceased to collect information on the date of last live birth and thus the information on interval is only available from birth certificate data from 1968-94.

Educational attainment

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

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

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

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

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

Beginning in 1995, NCHS ceased to collect information on the educational attainment of the father and thus the information is available from birth certificate data only for 1969-94.

Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994 through 1996, birth certificates in 45 states and the District of Columbia included a question about the mother's marital status. Beginning in 1997, California added a direct question to their birth certificate; thus in 1997, all but four States (Connecticut, Michigan, Nevada, and New York) included a direct question on their birth certificates. Nevada asks for the mother's marital status through the electronic birth registration process but this item is not included on certified or paper copies of the birth certificate.

In the three States which used inferential procedures to compile birth statistics by marital status in 1997, a birth

is inferred as nonmarital if any of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received, the father's name is missing, or the father's and mother's current surnames are different. In addition, criteria that are particularly applicable for a given State are also applied as necessary. For example, special procedures were used in California prior to 1997 to compare the parents' surnames when hyphenated if the parents were born in countries where naming practices can identify the parents' marital status. This procedure was in effect for many years for Asian mothers and for 1995-96 for Hispanic mothers (11). 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. The inferential procedures in effect since 1980 represent a substantial departure from the method used before 1980 to prepare national estimates of births to unmarried women, which assumed that the incidence of births to unmarried women in States with no direct question on marital status was the same as the incidence in reporting States in the same geographic division (12).

The procedures for reporting marital status in California, Nevada, New York City changed beginning January 1, 1997. Up to that date, the mother's marital status was inferred in California by comparing the surnames of the mother, father, and child. Beginning in 1997, two changes were implemented. First, a law went into effect mandating that the father's name could not be included on the birth certificate unless the parents were married or a paternity affidavit was filed. Second, the marital status of women giving birth in California is now determined by a direct question on the birth certificate, "Mother married at any time during this pregnancy?" - similar to the question asked in most other States. Reporting procedures for marital status in California are now essentially the same as those in most other States.

Procedures for inferring marital status for births in New York City changed effective in 1997; New York City is a separate registration area. Beginning in 1997, the mother is assumed to be unmarried if the father's name is missing from the birth certificate, or if a paternity affidavit was filed; these are the same procedures that have been in effect in the balance of New York State for many years. Through 1996, the inferential criteria had included a comparison of the surnames of the mother and father (13,14).

Data on marital status for Nevada prior to 1997 are based on inferential procedures with the key criterion relying on a comparison of parental surnames. Beginning in 1997, Nevada is collecting information on the mother's marital status through the electronic birth registration process. This item is not included, however, on certified or paper copies of the birth certificate. Because of a recently discovered computer processing error, the data previously reported by Nevada for 1995 and 1996 substantially overestimated the number and percent of births to unmarried women. Corrected summary data are now available. The percent unmarried was 38.8 percent in 1995 and 39.3 percent in 1996. Based on the direct question, 35.5 percent of births in 1997 were to unmarried women. If the inferential procedures had remained in effect in 1997, however, Nevada estimates that 39.8 percent of births in that year were to unmarried women (slightly higher than in 1996). The change in reporting procedures therefore accounts for nearly all of the reported change in nonmarital births in Nevada in 1997.

Because California and New York City together account for 17 percent of U.S. births, data by marital status for these areas were examined carefully to determine the effect of these reporting changes on the national data. The reporting changes had little impact on the total numbers and proportions of nonmarital births for the United States as a whole, and relatively little impact on the overall data for California. The changes affected the overall data for New York State (including New York City) as well as the data by age. In general, there was a tendency for the proportion unmarried to increase between 1996 and 1997 for women aged 15-24 years, and for the proportions to decrease for women aged 30-44 years; changes for women aged 25-29 years were not consistent. The contrasts by age were very pronounced in the data for California. Large decreases in nonmarital births were found for all age groups for New York.

The tendency for considerable increases in the proportions of nonmarital births among teenagers and the concurrent decline for older women in California is a direct reflection of the changes in reporting procedures in that State. Previously, unmarried women were frequently listing the father's name on the birth certificate. In many cases, especially among younger Hispanic and Asian or Pacific Islander women, the inferential procedures identified these births, incorrectly, as occurring to married women, a result of variations in naming practices among these population

groups. National and State laws now preclude the father's name from being listed unless the parents are married or a paternity affidavit has been filed. Among older married women who have retained their birth surname after marriage, particularly well-educated white women, there was a tendency for their births to be considered nonmarital, because the surnames did not match. For California, the changes in nonmarital birth patterns by age were compensating, so that the overall levels of nonmarital births for California in 1997 are only moderately higher than in 1996. For New York, the changes in inferential procedures affected all age groups, identifying fewer births as nonmarital in 1997; without these changes, levels of nonmarital births would have been unchanged (13,14).

The use of inferential marital status data together with information from a direct question represents an attempt to use related information on the birth certificate to improve the quality of national data as well as to provide data for the individual nonreporting States. An evaluation of this method and its validity for California (the largest nonreporting State until 1997) has been published (15). Because of the continued substantial increases in nonmarital childbearing throughout the 1980's, the data have been intensively evaluated by the Division of Vital Statistics, NCHS. The results of this evaluation show that trends in birth rates for unmarried women for rates computed on the basis of estimated data and on the basis of inferred data are essentially the same.

The mother's marital status was not reported in 1997 on 0.05 percent of the birth records in the 46 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

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

Rates for 1940 and 1950 are based on decennial census counts. Rates for 1955-97 are based on a smoothed series of population estimates (12). Because of sampling error, the original U.S. Bureau of the Census population estimates by marital status fluctuate erratically from year to year; therefore, they have been smoothed so that the rates do not show similar variations. These rates differ from those published in volumes of *Vital Statistics of the United States* before 1969, which were based on the original estimates provided annually by the U.S. Bureau of the Census. Birth rates by marital status for 1971-79 have been revised and differ from rates published before 1980 in volumes of *Vital Statistics of the United States* (see ``Computation of rates and other measures").

Place of delivery and attendant at birth

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

Beginning in 1975 the attendant at birth and place of delivery items were coded independently, primarily to permit the identification of the person in attendance at hospital deliveries. The 1989 certificate includes separate classifications for doctor of medicine (MD), doctor of osteopathy (DO), certified nurse midwife (CNM), other midwife, and other attendants. In earlier certificates births attended by certified nurse midwives were grouped with those attended by lay midwives. The new certificate also facilitates the identification of home births, births in freestanding birthing centers, and births in clinics or physician offices.

Data for the "In hospital" category for 1975-88 include all births in clinics or maternity centers, regardless of the attendant. Data for 1975-77 published before 1980 included clinic and center births in the category "In hospital" only

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

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

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

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

Birthweight

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

Less than 500 grams = 1 lb 1 oz or less
500-999 grams = 1 lb 2 oz-2 lb 3 oz
1,000-1,499 grams = 2 lb 4 oz-3 lb 4 oz
1,500-1,999 grams = 3 lb 5 oz-4 lb 6 oz
2,000-2,499 grams = 4 lb 7 oz-5 lb 8 oz
2,500-2,999 grams = 5 lb 9 oz-6 lb 9 oz
3,000-3,499 grams = 6 lb 10 oz-7 lb 11 oz
3,500-3,999 grams = 7 lb 12 oz-8 lb 13 oz
4,000-4,499 grams = 8 lb 14 oz-9 lb 14 oz
4,500-4,999 grams = 9 lb 15 oz-11 lb 0 oz
5,000 grams or more = 11 lb 1 oz or more

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

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

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

Period of gestation

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

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

The 1989 revision of the U.S. Standard Certificate of Live Birth included a new item, "clinical estimate of gestation," that is being compared with length of gestation computed from the LMP date when the latter appears to be inconsistent with birthweight. This is done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The clinical estimate also was used if the date of the LMP was not reported. The period of gestation for 4.9 percent of the births in 1997 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 birth weight, whereas the LMP-computed gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used if it was within 5 weeks of the clinical estimate and birth weight was reclassified as "not stated." This was necessary for fewer than 300 births or less than 0.01 percent of all birth records in 1997. If the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, gestation and birthweight were classified as "not stated" if the LMP-computed gestation was not within 5 weeks of the clinical estimate. These changes result in only a very small discontinuity in the data. For further information on the use of the clinical estimate of gestation see "Computer Edits for Natality Data, Effective 1993," *NCHS Instruction Manual* , Part 12, pages 34-36.

Before 1981 the period of gestation was computed only when there was a valid month, day, and year of LMP. However, length of gestation could not be determined from a substantial number of live-birth certificates each year because the day of LMP was missing. Beginning in 1981 weeks of gestation have been imputed for records with missing day of LMP when there is a valid month and year. Each such record is assigned the gestational period in weeks of the preceding record that has a complete LMP date with the same computed months of gestation and the same 500-gram birthweight interval. The effect of the imputation procedure is to increase slightly the proportion of preterm births and to lower the proportion of births at 39, 40, 41, and 42 weeks of gestation. A more complete discussion of this procedure and its implications is presented in a previous report (16).

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

Month of pregnancy prenatal care began

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

Number of prenatal visits

Tabulations of the number of prenatal visits were presented for the first time in 1972. Beginning in 1989 these data were collected from the birth certificates of all States. Percent distributions and the median number of prenatal visits exclude births to mothers who had no prenatal care.

Apgar score

The 1- and 5-minute Apgar scores were added to the U.S. Standard Certificate of Live Birth in 1978 to evaluate the condition of the newborn infant at 1 and 5 minutes after birth. The Apgar score is a useful measure of the need for resuscitation and a predictor of the infant's chances of surviving the first year of life. It is a summary measure of the infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these factors is given a score of 0, 1, or 2; the sum of these 5 values is the Apgar score, which ranges from 0 to 10. A score of 10 is optimum, and a low score raises some doubts about the survival and subsequent health of the infant. Beginning in 1995, NCHS only collected information on the 5-minute Apgar score. In 1997 the reporting area for the 5-minute Apgar score was comprised of 48 States and the District of Columbia, accounting for 78 percent of all births in the United States. California and Texas did not have information on Apgar scores on their birth certificate.

Tobacco and alcohol use during pregnancy

The checkbox format allows for classification of a mother as a smoker or drinker during pregnancy and for reporting the average number of cigarettes smoked per day or drinks consumed per week. When smoking and/or drinking status is not reported or is inconsistent with the quantity of cigarettes or drinks reported, the status is changed to be consistent with the amount reported. For example, if the drinking status is reported as "no" but one or more average drinks a week are reported, the mother is classified as a drinker. If the number of cigarettes smoked per day is reported as one or more, the mother is considered a smoker. When one (or a fraction of one) drink a week is recorded, the mother is classified as a drinker. For records on which the number of drinks or number of cigarettes is reported as a span, for example, 10-15, the lower number is used. The number of drinkers and number of drinks reported on birth certificates are believed to underestimate actual alcohol use.

Data on tobacco use were collected by 46 States, the District of Columbia, and New York City in 1997. This reporting area accounted for 80 percent of all births in the U.S. in 1997. Information was not available for California, Indiana, South Dakota, and the remainder of New York State. Information on alcohol use was included on the certificates of 48 States and the District of Columbia, accounting for 86 percent of all U.S. births in 1997. California and South Dakota did not include items on alcohol use of their birth certificates.

Weight gained during pregnancy

Weight gain is reported in pounds. A loss of weight is reported as zero gain. Computations of median weight gain were based on ungrouped data. This item was included on the certificates of 49 States and the District of Columbia; California did not report this information. This reporting area excluding California accounted for 86 percent of all births in the United States in 1997.

Medical risk factors for this pregnancy

In 1997 an item on medical risk factors was included on the birth certificates of all States and the District of Columbia, but 3 States did not report all of the 16 risk factors. Alabama did not report renal disease, Texas did not report genital herpes or uterine bleeding, and Kansas did not report Rh sensitization.

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

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the Association for Vital Records and Health Statistics (17).

Definitions of medical terms

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

Cardiac disease–Disease of the heart.

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

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

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

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

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

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

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

Eclampsia–The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of pre-eclampsia.

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

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

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

Renal disease–Kidney disease.

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

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

Obstetric procedures

This item includes six specific obstetric procedures. Birth records with "Obstetric procedures" left blank are considered "not stated." Data on obstetric procedures were reported by all States and the District of Columbia in 1997.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association for Public Health Statistics and Information Systems (NAPHSIS), formerly the Association for Vital Records and Health Statistics (17).

Definitions of medical terms

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

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

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

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

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

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

Complications of labor and/or delivery

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

All States and the District of Columbia included this item on their birth certificates in 1997. However, Texas did not report all of the complications. Texas did not report genital herpes and uterine bleeding.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials. (17).

Definitions of medical terms

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

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

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

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

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

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

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

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

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

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

Breech/malpresentation–At birth, the presentation of the fetal buttocks rather than the head, or other malpresentation.

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

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

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

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

Abnormal conditions of the newborn

This item provides information on eight specific abnormal conditions. More than one abnormal condition may be reported for a given birth or "None" may be selected. If the item is not completed it is tabulated as "not stated." This item was included on the birth certificates of all States and the District of Columbia in 1997. However, four areas did not include all conditions. Nebraska and Texas did not report birth injury, New York City did not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more, and Wisconsin did not report fetal alcohol syndrome.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics. (17).

Definitions of medical terms

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

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

Fetal alcohol syndrome—A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

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

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

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

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

Seizures—A seizure of any etiology.

Congenital anomalies of child

The data provided in this item relate to 21 specific anomalies or anomaly groups. It is well documented that congenital anomalies, except for the most visible and most severe, are incompletely reported on birth certificates. The completeness of reporting specific anomalies depends on how easily they are recognized in the short time between birth and birth-registration. Forty-nine States and the District of Columbia included this item on their birth certificates (New Mexico did not). This reporting area included 99 percent of all births in the United States in 1997. The format allows for the identification of more than one anomaly including a choice of "None" should no anomalies be evident. The category "not stated" includes birth records for which the item is not completed.

The following definitions are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials. (17).

Definitions of medical terms

Anencephalus—Absence of the cerebral hemispheres.

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

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

Microcephalus—A significantly small head.

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

Heart malformations—Congenital anomalies of the heart.

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

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

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

Omphalocele/gastroschisis—An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude

through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

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

Malformed genitalia--Congenital anomalies of the reproductive organs.

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

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

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

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

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

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

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

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

Other chromosomal anomalies--All other chromosomal aberrations.

Method of delivery

The birth certificate contains a checkbox item on method of delivery. The choices include vaginal delivery, with the additional options of forceps, vacuum, and vaginal birth after previous cesarean section (VBAC), as well as a choice of primary or repeat cesarean. When only forceps, vacuum, or VBAC is checked, a vaginal birth is assumed. In 1997 this information was collected from the birth certificates of all States and the District of Columbia.

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

Hispanic parentage

The 1989 revision of the U.S. Standard Certificate of Live Births includes items to identify the Hispanic origin of the parents. Concurrent with the 1978 revision of the U.S. Certificate of Live Birth, NCHS recommended that items to identify the Hispanic or ethnic origin of the newborn's parents be included on birth certificates and has tabulated and evaluated these data from the reporting States. All 50 States and the District of Columbia reported Hispanic origin of the parents for 1997. In 1989 Louisiana, New Hampshire, and Oklahoma did not report this information; in 1990 New Hampshire and Oklahoma did not report, and in 1991-92 New Hampshire did not report Hispanic origin.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (1.4 percent in 1997) were actually to Hispanic mothers. The population with origin not stated was imputed. The effect on the rates is believed to be small.

Quality of data

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

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

Completeness of registration

An estimated 99 percent of all births occurring in the United States in 1997 were registered; for white births registration was 99.4 percent complete and for all other births, 98.6 percent complete. These estimates are based on the results of the 1964-68 test of birth-registration completeness according to place of delivery (in or out of hospital) and race and on the 1989 proportions of births in these categories. The primary purpose of the test was to obtain current measures of registration completeness for births in and out of hospital by race on a national basis. Data for States were not available as they had been from the previous birth-registration tests in 1940 and 1950. A detailed discussion of the method and results of the 1964-68 birth-registration test is available (18).

The 1964-68 test has provided an opportunity to revise the estimates of birth-registration completeness for the years since the previous test in 1950 to reflect the improvement in registration. This has been done using registration completeness figures from the two tests by place of delivery and race. Estimates of registration completeness for four groups (based on place of delivery and race) for 1951-65 were computed by interpolation between the test results. (It was assumed that the data from the more recent test are for 1966, the midpoint of the test period.) The results of the 1964-68 test are assumed to prevail for 1966 and later years. These estimates were used with the proportions of births registered in these categories to obtain revised numbers of births adjusted for underregistration for each year. The overall percent of birth-registration completeness by race was then computed. Data adjusted for underregistration for 1951-59 have been revised to be consistent with the 1964-68 test results and differ slightly from data shown in annual reports for years before 1969. For these years the published number of births and birth rates for both racial groups have been revised slightly downward because the 1964-68 test indicated that previous adjustments to registered births were slightly inflated. Because registration completeness figures by age of mother and by live-birth order are not available from the 1964-68 test, it must be assumed that the relationships among these variables have not changed since 1950.

Discontinuation of adjustment for underregistration, 1960—Adjustment for underregistration of births was discontinued in 1960 when birth registration for the United States was estimated to be 99.1 percent complete. This removed a bias introduced into age-specific rates when adjusted births classified by age were used. Age-specific rates are calculated by dividing the number of births to an age group of mothers by the population of women in that age group. Tests have shown that population figures are likely to be understated through census undercounts; these errors compensate for underregistration of births. Adjustment for underregistration of births, therefore, removes the compensating effect of underenumeration, biasing the age-specific rates more than when uncorrected birth and population data are used. (For further details see page 4-11 in the Technical Appendix of volume I, Vital Statistics of the United States, 1963.)

The age-specific rates used in the cohort fertility tables are an exception to the above statement. These rates are computed from births corrected for underregistration and population estimates adjusted for underenumeration and misstatement of age. Adjusted birth and population estimates are used for the cohort rates because they are an integral part of a series of rates, estimated with a consistent methodology. It was considered desirable to maintain

consistency with respect to the cohort rates, even though it means that they will not be precisely comparable with other rates shown for 5-year age groups.

Completeness of reporting

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

Quality control procedures

States in the Vital Statistics Cooperative Program are required to have an error rate of less than 2.0 percent for each item for 3 consecutive data months during the initial qualifying period. Once a State is qualified, NCHS monitors the quality of data received. This was achieved through independent verification of a sample of records for some States as well as comparing the State data with data from previous years. In addition, there is verification at the State level before NCHS is sent the data.

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

Small frequencies

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

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

When the number of events is small (fewer than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures.

Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

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

1. The "true" number of events lies between

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

2. The "true" rate lies between

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

If the rate R1 corresponding to N1 events is compared with the rate R2 corresponding to N2 events, the difference between the two rates may be regarded as statistically significant if it exceeds

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

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

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

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

Computation of rates and other measures

Population bases

The rates shown in this report were computed on the basis of population statistics prepared by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, 1970, 1980, and 1990 are based on the population enumerated as of April 1 in the censuses of those years. Rates for all other years are based on the estimated midyear (July 1) population for the respective years. Birth rates for the United States, individual States, and metropolitan areas are based on the total

resident populations of the respective areas. Except as noted these populations exclude the Armed Forces abroad but include the Armed Forces stationed in each area.

The resident population of the birth- and death-registration States for 1900-32 and for the United States for 1900-97 is shown in table 4-1. In addition, the population including Armed Forces abroad is shown for the United States. Table C shows the sources for these populations.

In both the 1980 and 1990 censuses, a substantial number of persons did not specify a racial group that could be classified as any of the White, Black, American Indian, Eskimo, Aleut, Asian, or Pacific Islander categories on the census form (19). In 1980 the number of persons of "other" race was 6,758,319; in 1990 it was 9,804,847. In both censuses, the large majority of these persons were of Hispanic origin (based on response to a separate question on the form), and many wrote in their Hispanic origin, or Hispanic origin type (for example, Mexican, Puerto Rican) as their race. In both 1980 and 1990, persons of unspecified race were allocated to one of the four tabulated racial groups (white, black, American Indian, Asian or Pacific Islander), based on their response to the Hispanic origin question. These four race categories conform with the 1979 edition of OMB Directive 15 which mandates that race data must contain at least these 4 categories. These categories are also more consistent with the race categories in vital statistics.

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

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

The means by which respondent's age was determined were fundamentally different in the two censuses; therefore, the problems that necessitated the modification were different. In 1980 respondents reported year of birth and quarter of birth (within year) on the census form. When census results were tabulated, persons born in the first quarter of the year (before April 1) had age equal to 1980 minus year of birth, while persons born in the last three quarters had age equal to 1979 minus year of birth.

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

Populations for 1997—The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1997. PPL-91R.U.S. Bureau of the Census. Rounded populations are consistent with U.S. Bureau of the Census file NESTV97.

Washington: U.S. Department of Commerce. 1998.

Populations for 1996–The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report, United States population estimates by age, sex, race and Hispanic origin: 1990 to 1996. U.S. Bureau of the Census. PPL-57. Washington: U.S. Department of Commerce. 1997.

Populations for 1995–The population of the United States by age, sex, race, and Hispanic origin is shown in the Census Bureau report, United States population estimates by age, sex, race and Hispanic origin: 1990 to 1995. U.S. Bureau of the Census. Census file RESDO795, PPL-41. Washington: U.S. Department of Commerce. 1996.

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

Populations for 1993–The population of the United States by age, sex, race and Hispanic origin is tabulated from Census file RESO793.

Populations for 1992–The population of the United States by age, sex, race and Hispanic origin is tabulated from census file RESPO792.

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

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

Population estimates for 1981-89–Birth rates for 1981-89 (except those for cohorts of women) have been revised, based on revised population estimates that are consistent with the 1990 census levels, and thus may differ from rates published in volumes of *Vital Statistics of the United States* for these years. The 1990 census counted approximately 1.5 million fewer persons than had earlier been estimated for April 1, 1990. The revised estimates for the United States by age, race, and sex were published by the U.S. Bureau of the Census in *Current Population Reports*, Series P-25, Number 1095. Population estimates by month are based on data published in *Current Population Reports*, Series P-25, Number 1094 and unpublished data. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census.

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

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

Population estimates for 1961-69–Birth rates for 1961-69 are based on revised estimates of the population and thus may differ slightly from rates published before 1976. The revised estimates used in computing these rates were published in *Current Population Reports*, Series P-25, Number 519. The rates for 1961-64 are based on revised estimates of the population published in *Current Population Reports*, Series P-25, Numbers 321 and 324 and may differ slightly from rates published in those years.

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

Net census undercounts and overcounts

The U.S. Bureau of the Census has conducted extensive research to evaluate the coverage of the U.S. population (including undercount, overcount, and misstatement of age, race, and sex) in the last five decennial censuses 1950, 1960, 1970, 1980, and 1990. These studies provide estimates of the national population, that were not enumerated or overenumerated in the respective censuses, by age, race, and sex (20-22). The report for 1990 (23) includes estimates of net underenumeration and overenumeration for age, sex, and racial subgroups of the national population, modified for race consistency with previous population counts as described in the section ``Population bases."

These studies indicate that there are differential coverages in the censuses among the population subgroups; that is, some age, race, and sex groups are more completely enumerated than others. To the extent that these estimates of overcounts or undercounts are valid, that they are substantial, and that they vary among subgroups and geographic areas, census miscounts can have consequences for vital statistics measures (21). However, the effects of undercounts in the census are reduced to the extent that there is underregistration of births. If these two factors are of equal magnitude, rates based on unadjusted populations are more accurate than those based on adjusted populations because the births have not been adjusted for underregistration.

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

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

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

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

Cohort fertility tables

The various fertility measures shown for cohorts of women are computed from births adjusted for underregistration and population estimates corrected for underenumeration and misstatement of age. Data published after 1974 use revised population estimates prepared by the U.S. Bureau of the Census and have been expanded to include data for the two major racial groups. Heuser has prepared a detailed description of the methods used in deriving these measures as well as more detailed data for earlier years (24).

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

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

The percent of women at seventh 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.

Age-sex-adjusted birth rates

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

Total fertility rate

The total fertility rate is the sum of the birth rates by age of mother (in 5-year age groups) multiplied by 5. It is an age-adjusted rate because it is based on the assumption that there are the same number of women in each age group. The rate of 2,032.5 in 1997, 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 1997, they would have a total of 2,032.5 children by the time they reached the end of the reproductive period (taken here to be age 50 years), assuming that all of the women survived to that age.

Intrinsic vital rates

The intrinsic vital rates are calculated from a stable population. A stable population is that hypothetical population, closed to external migration, that would become fixed in age-sex structure after repeated applications of a constant set of age-sex specific birth and death rates. For the mathematical derivation of intrinsic vital rates, see pages 4-13 and 4-14 in the Technical Appendix of volume I, Vital Statistics of the United States, 1962. The technique of calculating intrinsic vital rates is described by Barclay (25).

Seasonal adjustment of rates

The seasonally adjusted birth and fertility rates are computed from the X-11 variant of Census Method II (26). This method of seasonal adjustment used since 1964 differs slightly from the U.S. Bureau of Labor Statistics (BLS) Seasonal Factor Method, which was used for Vital Statistics of the United States, 1964. The fundamental technique is the same in that it is an adaptation of the ratio-to-moving-average method. Before 1964 the method of seasonal adjustment was based on the X-9 variant and other variants of Census Method II. A comparison of the Census Method II with the BLS Seasonal Factor Method shows the differences in the seasonal patterns of births to be negligible.

Computation of percents, medians, and means

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

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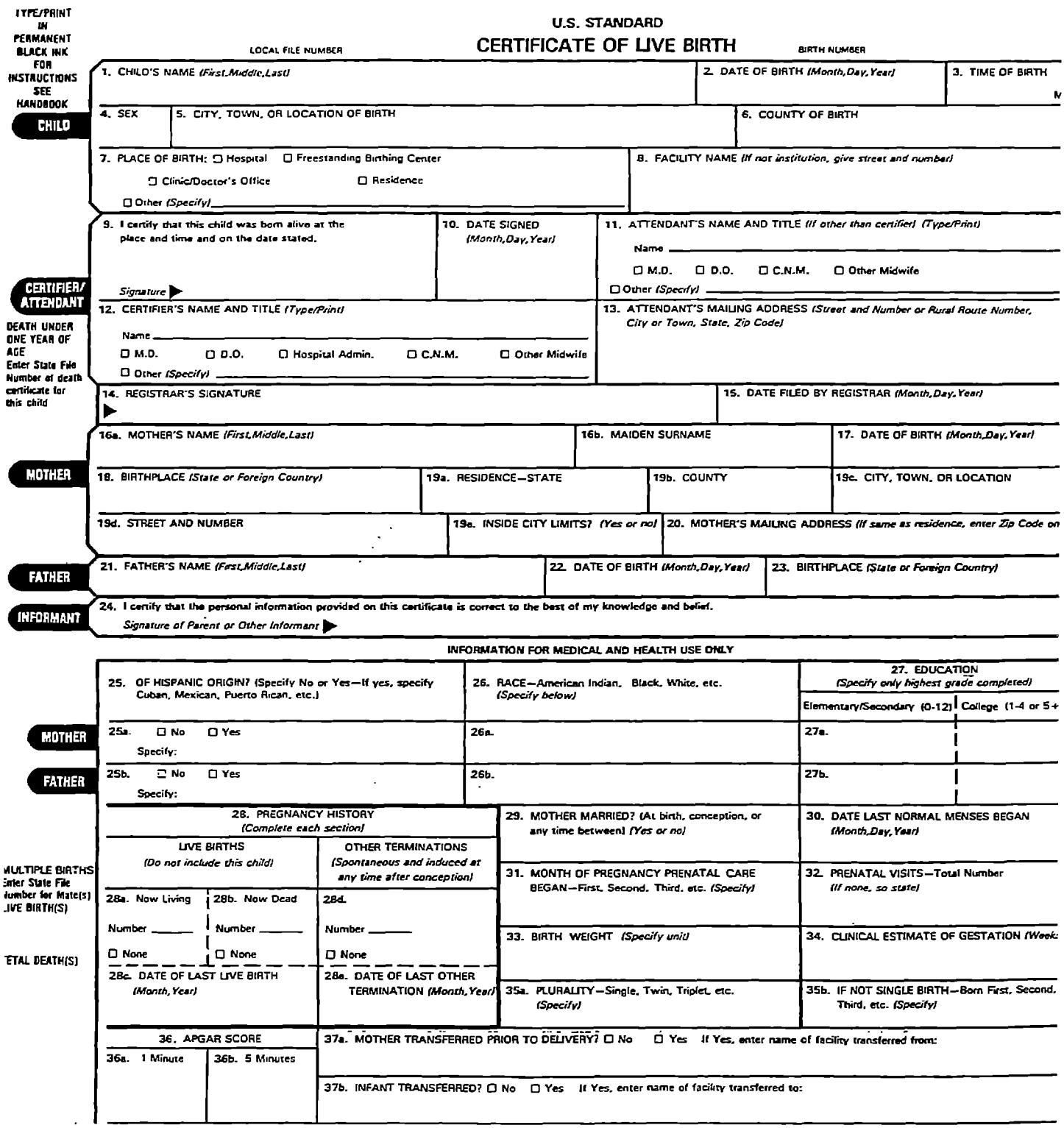

TYPE/PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK

U.S. STANDARD

CERTIFICATE OF LIVE BIRTH

LOCAL FILE NUMBER

BIRTH NUMBER

CHILD

1. CHILD'S NAME (First,Middle,Last)
2. DATE OF BIRTH (Month,Day,Year)
3. TIME OF BIRTH
4. SEX
5. CITY, TOWN, OR LOCATION OF BIRTH
6. COUNTY OF BIRTH
7. PLACE OF BIRTH: ☐ Hospital ☐ Freestanding Birthing Center ☐ Clinic/Doctor's Office ☐ Residence ☐ 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 ☐ M.D. ☐ D.O. ☐ C.N.M. ☐ Other Midwife ☐ Other (Specify)
12. CERTIFIER'S NAME AND TITLE (Type/Print) Name ☐ M.D. ☐ D.O. ☐ Hospital Admin. ☐ C.N.M. ☐ Other Midwife ☐ Other (Specify)
13. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)

DEATH UNDER ONE YEAR OF AGE Enter State File Number of death certificate for this child

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 on

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 ▶

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

	25. OF HISPANIC ORIGIN? (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.)	26. RACE—American Indian, Black, White, etc. (Specify below)	27. EDUCATION (Specify only highest grade completed)	
			Elementary/Secondary (0-12)	College (1-4 or 5+
MOTHER	25a. ☐ No ☐ Yes Specify:	26a.	27a.	
FATHER	25b. ☐ No ☐ Yes Specify:	26b.	27b.	

28. PREGNANCY HISTORY (Complete each section)			29. MOTHER MARRIED? (At birth, conception, or any time between) (Yes or no)	30. DATE LAST NORMAL MENSES BEGAN (Month,Day,Year)
LIVE BIRTHS (Do not include this child)		OTHER TERMINATIONS (Spontaneous and induced at any time after conception)	31. MONTH OF PREGNANCY PRENATAL CARE BEGAN—First, Second, Third, etc. (Specify)	32. PRENATAL VISITS—Total Number (If none, so state)
28a. Now Living Number ☐ None	28b. Now Dead Number ☐ None	28d. Number ☐ None	33. BIRTH WEIGHT (Specify unit)	34. CLINICAL ESTIMATE OF GESTATION (Week
28c. DATE OF LAST LIVE BIRTH (Month,Year)		28e. DATE OF LAST OTHER TERMINATION (Month,Year)	35a. PLURALITY—Single, Twin, Triplet, etc. (Specify)	35b. IF NOT SINGLE BIRTH—Born First, Second, Third, etc. (Specify)

MULTIPLE BIRTHS Enter State File Number for Mate(s) LIVE BIRTH(S)

FETAL DEATH(S)

36. APGAR SCORE	
36a. 1 Minute	36b. 5 Minutes

37a. MOTHER TRANSFERRED PRIOR TO DELIVERY? ☐ No ☐ Yes If Yes, enter name of facility transferred from:

37b. INFANT TRANSFERRED? ☐ No ☐ Yes If Yes, enter name of facility transferred to:

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

38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY
(Check all that apply)

- Anemia (Hct. <30/Hgb <10) ... 01 ☐
- Cardiac disease ... 02 ☐
- Acute or chronic lung disease ... 03 ☐
- Diabetes ... 04 ☐
- Genital herpes ... 05 ☐
- Hydramnios/Oligohydramnios ... 06 ☐
- Hemoglobinopathy ... 07 ☐
- Hypertension, chronic ... 08 ☐
- Hypertension, pregnancy-associated ... 09 ☐
- Eclampsia ... 10 ☐
- Incompetent cervix ... 11 ☐
- Previous infant 4000+ grams ... 12 ☐
- Previous preterm or small-for-gestational-age infant ... 13 ☐
- Renal disease ... 14 ☐
- Rh sensitization ... 15 ☐
- Uterine bleeding ... 16 ☐
- None ... 00 ☐
- Other _____ 17 ☐
  (Specify)

38b. OTHER RISK FACTORS FOR THIS PREGNANCY
(Complete all items)

- Tobacco use during pregnancy ... Yes ☐ No ☐
  Average number cigarettes per day _____
- Alcohol use during pregnancy ... Yes ☐ No ☐
  Average number drinks per week _____
- Weight gained during pregnancy _____ lbs.

39. OBSTETRIC PROCEDURES
(Check all that apply)

- Amniocentesis ... 01 ☐
- Electronic fetal monitoring ... 02 ☐
- Induction of labor ... 03 ☐
- Stimulation of labor ... 04 ☐
- Tocolysis ... 05 ☐
- Ultrasound ... 06 ☐
- None ... 00 ☐
- Other _____ 07 ☐
  (Specify)

40. COMPLICATIONS OF LABOR AND/OR DELIVERY
(Check all that apply)

- Febrile (>100°F. or 38°C.) ... 01 ☐
- Meconium, moderate/heavy ... 02 ☐
- Premature rupture of membrane (>12 hours) ... 03 ☐
- Abruptio placenta ... 04 ☐
- Placenta previa ... 05 ☐
- Other excessive bleeding ... 06 ☐
- Seizures during labor ... 07 ☐
- Precipitous labor (<3 hours) ... 08 ☐
- Prolonged labor (>20 hours) ... 09 ☐
- Dysfunctional labor ... 10 ☐
- Breech/Malpresentation ... 11 ☐
- Cephalopelvic disproportion ... 12 ☐
- Cord prolapse ... 13 ☐
- Anesthetic complications ... 14 ☐
- Fetal distress ... 15 ☐
- None ... 00 ☐
- Other _____ 16 ☐
  (Specify)

41. METHOD OF DELIVERY *(Check all that apply)*

- Vaginal ... 01 ☐
- Vaginal birth after previous C-section ... 02 ☐
- Primary C-section ... 03 ☐
- Repeat C-section ... 04 ☐
- Forceps ... 05 ☐
- Vacuum ... 06 ☐

42. ABNORMAL CONDITIONS OF THE NEWBORN
(Check all that apply)

- Anemia (Hct. <39/Hgb. <13) ... 01 ☐
- Birth injury ... 02 ☐
- Fetal alcohol syndrome ... 03 ☐
- Hyaline membrane disease/RDS ... 04 ☐
- Meconium aspiration syndrome ... 05 ☐
- Assisted ventilation <30 min ... 06 ☐
- Assisted ventilation ≥30 min ... 07 ☐
- Seizures ... 08 ☐
- None ... 00 ☐
- Other _____ 09 ☐
  (Specify)

43. CONGENITAL ANOMALIES OF CHILD
(Check all that apply)

- Anencephalus ... 01
- Spina bifida/Meningocele ... 02
- Hydrocephalus ... 03
- Microcephalus ... 04
- Other central nervous system anomalies
  (Specify) _____ 05
- Heart malformations ... 06
- Other circulatory/respiratory anomalies
  (Specify) _____ 07
- Rectal atresia/stenosis ... 08
- Tracheo-esophageal fistula/ Esophageal atresia ... 09
- Omphalocele/ Gastroschisis ... 10
- Other gastrointestinal anomalies
  (Specify) _____ 11
- Malformed genitalia ... 12
- Renal agenesis ... 13
- Other urogenital anomalies
  (Specify) _____ 14
- Cleft lip/palate ... 15
- Polydactyly/Syndactyly/Adactyly ... 16
- Club foot ... 17
- Diaphragmatic hernia ... 18
- Other musculoskeletal/integumental anomalies
  (Specify) _____ 19
- Down's syndrome ... 20
- Other chromosomal anomalies
  (Specify) _____ 21
- None ... 00
- Other _____ 22
  (Specify)

PHS-T-002
REV. 1/89

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

Table A. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa: 1997

(Page 1 of 2)

[By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Hispanic Origin		Educational attainment Mother	Live-birth order	Length of Gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Total of reporting areas 1/	3,880,894	0.0	0.0	0.2	14.5	14.9	1.4	15.6	1.5	0.5	1.0	2.6	3.4
Alabama	60,914	-	0.0	0.1	24.7	24.8	.0	24.7	0.4	0.0	0.1	0.5	0.9
Alaska	9,947	.0	.0	.1	14.1	16.0	.2	14.7	1.0	.1	.1	1.5	1.0
Arizona	75,699	.0	.1	.3	21.6	23.7	1.3	24.1	2.1	.3	.2	1.3	1.7
Arkansas	36,478	.0	.1	.3	20.4	21.2	.2	20.7	.8	.2	.4	2.4	3.2
California	524,840	.0	.1	.1	7.5	6.6	.5	6.0	1.3	.1	2/ 5.0	1.2	2.6
Colorado	56,533	-	.0	.2	10.0	10.6	.1	10.8	1.2	.1	.0	.7	1.4
Connecticut	43,109	.0	.0	.4	9.3	11.0	6.1	14.8	4.8	8.2	1.2	6.7	10.4
Delaware	10,253	.0	.0	.3	29.1	30.3	.5	30.1	.3	.2	.2	.6	.8
District of Columbia	7,927	.0	-	.0	47.5	54.3	1.9	48.0	9.5	.4	.5	15.8	17.9
Florida	192,383	.0	-	.1	18.1	18.1	.1	19.3	.4	.0	.1	1.1	1.7
Georgia	118,221	.0	.0	.2	16.5	18.7	.9	19.2	1.3	.3	.1	2.0	1.7
Hawaii	17,393	.0	.0	.1	8.5	8.7	.3	8.9	.4	.0	5.3	2.5	3.1
Idaho	18,582	-	.0	.2	8.0	11.3	1.5	11.3	8.1	.9	.6	4.0	12.7
Illinois	180,803	.0	.0	.1	15.4	16.9	.0	16.9	.7	.1	.2	1.6	2.0
Indiana	83,436	.3	.1	.2	13.0	13.1	.4	13.3	1.0	.7	.1	2.0	3.4
Iowa	36,659	.0	.0	.3	12.3	14.3	1.0	14.9	1.5	.1	.1	1.3	4.4
Kansas	37,289	.0	.0	.1	10.6	10.9	.9	12.0	.3	.1	.1	.6	1.0
Kentucky	53,203	.0	.0	.0	22.1	22.7	.0	24.1	.2	.2	.2	.9	1.0
Louisiana	66,025	.0	.0	.0	23.1	23.3	.0	23.2	.1	.0	.1	.3	.4
Maine	13,669	.0	-	-	10.1	14.9	4.2	18.9	.7	.2	.1	.6	.7
Maryland	70,215	-	.0	.9	8.3	10.7	1.2	6.8	4.8	3.3	1.5	11.4	17.2
Massachusetts	80,364	.0	.0	.1	8.0	7.8	.6	7.0	.5	.5	.5	1.1	1.0
Michigan	133,714	.1	.1	.1	16.6	18.5	5.3	22.8	1.2	.5	.1	3.6	4.2
Minnesota	64,499	.0	.0	-	9.2	11.5	5.2	15.4	2.0	.3	1.0	4.7	4.1
Mississippi	41,533	.0	.0	.1	25.4	24.6	.1	25.3	.2	.1	.2	.5	.8
Missouri	74,037	-	.0	.2	18.5	18.7	.1	19.0	.9	.4	.2	1.9	3.3
Montana	10,849	.0	.5	-	9.7	10.7	3.2	13.7	.2	.1	.0	.6	.5
Nebraska	23,319	-	-	.0	12.1	12.6	2.3	14.2	.1	-	.0	.3	.6
Nevada	26,911	.0	.0	.8	23.3	24.9	.7	23.1	2.1	.8	.8	4.0	9.9
New Hampshire	14,313	.0	.0	.0	8.0	8.7	3.0	10.8	.8	.1	.4	2.9	3.7
New Jersey	113,279	.1	.1	.3	9.0	10.9	.5	9.7	2.3	.2	.2	3.6	3.9
New Mexico	26,871	-	.0	2.1	26.6	25.9	.0	25.9	4.4	.5	.3	4.8	4.4
New York	257,238	.1	.1	.6	17.9	19.2	9.6	26.0	1.4	.3	.2	8.9	5.8
North Carolina	107,015	.0	.0	.0	17.4	17.4	.0	17.3	.1	.0	.1	.6	.6
North Dakota	8,353	-	-	.0	8.7	9.9	2.9	12.6	.1	-	.1	.4	.3
Ohio	152,033	.0	.1	.2	11.5	13.9	.5	13.5	.5	.1	.0	.4	1.7
Oklahoma	48,269	.0	.0	.1	17.3	19.0	.4	19.5	3.6	4.1	3.6	10.7	11.3
Oregon	43,809	.0	1.0	.1	10.7	4.3	.2	4.6	1.0	.0	.0	.4	.5
Pennsylvania	144,224	.0	.0	.6	5.5	3.4	.6	3.1	2.0	.3	.2	1.7	2.9
Rhode Island	12,455	.0	-	.2	13.5	14.1	13.0	23.2	2.8	2.2	2.2	8.0	8.6
South Carolina	52,214	.0	.0	.3	28.5	28.7	.1	28.6	4.2	.4	.2	1.9	2.0
South Dakota	10,173	-	-	-	11.9	12.1	.2	12.7	.3	.0	.0	.6	.6
Tennessee	74,478	-	.0	.1	15.9	16.2	.1	16.1	.2	.1	.2	1.3	1.6
Texas	333,974	.0	.0	.4	15.7	15.6	.3	15.6	1.0	.9	.4	1.9	4.5
Utah	43,059	-	.0	.1	9.8	10.9	.3	9.2	.9	.1	.1	1.0	1.2
Vermont	6,607	-	.0	.0	6.0	9.4	3.0	10.6	2.1	.1	.2	3.1	1.0
Virginia	91,862	.0	.0	.1	17.9	19.1	.1	18.0	.4	.2	.3	.9	2.0
Washington	78,190	.0	.0	.7	11.6	11.9	3.2	12.1	10.4	3.8	1.5	9.2	12.9
West Virgin	20,730	.1	.0	.1	13.0	15.9	.0	15.9	.4	.2	.3	3.5	3.2
Wisconsin	66,557	.0	-	.0	27.6	27.7	.0	27.7	.1	.0	.0	.2	.3
Wyoming	6,387	-	-	.1	13.6	13.8	.3	13.8	.3	.0	.0	.4	.4
Puerto Rico	64,109	-	.0	-	2.7	3.0	...	...	.2	.0	.0	.2	.1
Virgin Islands	2,017	-	.2	-	19.8	21.7	5.4	31.1	1.6	.3	.6	.7	1.6
Guam	4,308	.1	.3	.7	24.8	26.8	1.9	28.2	2.1	1.5	.9	3.5	4.0
American Samoa	1,634	-	...	4.8	34.6	36.9	...	...	...	.2	...	...	...

See footnotes at end of table

Table A. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa: 1997
(Page 2 of 2)
[By place of residence]

Area	Number of births	Birth weight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
Total of reporting areas 1/	3,880,894	0.1	0.6	1.2	1.5	1.4	8.3	0.8	1.0	0.9	2.1	1.5
Alabama	60,914	0.0	0.3	3/ 0.1	0.2	0.2	4.4	0.1	0.1	0.2	0.1	0.2
Alaska	9,947	.3	.5	.1	.3	.3	1.4	.1	.1	.3	.1	.1
Arizona	75,699	.1	.4	.0	1.9	2.1	10.5	.0	.0	.2	.0	.4
Arkansas	36,478	.2	4.6	.4	1.0	1.1	9.8	.2	.4	.6	.3	.3
California	524,840	.0	...	.0	...	...	...	.0	.0	.0	.0	.0
Colorado	56,533	.0	.3	.0	.2	.2	4.0	.0	.0	.0	.0	.1
Connecticut	43,109	.0	3.4	14.9	9.8	9.5	23.7	13.1	15.2	7.3	21.0	22.4
Delaware	10,253	.1	.3	.0	.1	.1	.9	.0	.0	.1	.1	.1
District of Columbia	7,927	.1	1.0	-	.1	.1	18.8	-	-	.1	.0	-
Florida	192,383	.0	.2	.0	.1	.1	4.2	.0	.0	.6	.0	.0
Georgia	118,221	.0	.5	.4	.2	.3	4.7	.0	.0	.4	.0	.0
Hawaii	17,393	1.7	4.6	20.2	.3	.3	13.8	13.1	7.6	19.4	21.0	22.4
Idaho	18,582	.1	.7	.7	1.8	2.0	10.8	.5	.7	.2	.4	.5
Illinois	180,803	.1	.3	.1	1.0	.2	4.0	.0	.1	.4	.1	.1
Indiana	83,436	.4	.4	.2	...	.4	4.0	.1	.3	.4	.8	.8
Iowa	36,659	.0	.3	.1	2.2	2.5	6.6	.0	.1	.3	.1	.1
Kansas	37,289	.0	.3	4/ .4	.5	.5	.7	.3	.3	2.5	.3	.3
Kentucky	53,203	.1	.4	6.7	5.3	5.2	9.4	4.0	7.1	4.8	12.5	11.7
Louisiana	66,025	.1	.3	.1	.2	.2	7.0	.1	.1	.1	.1	.1
Maine	13,669	.1	.1	.1	1.8	2.7	1.1	.0	.0	.1	.1	.1
Maryland	70,215	.1	.5	.0	1.1	1.6	12.6	.0	.0	.1	.0	.0
Massachusetts	80,364	.5	.6	1.2	.4	.4	2.0	1.1	1.2	.8	2.1	1.9
Michigan	133,714	.3	.4	.4	1.5	1.2	9.4	.1	.3	.6	.6	.7
Minnesota	64,499	.1	.7	7.0	6.1	6.2	15.2	5.2	6.2	4.4	7.1	7.4
Mississippi	41,533	.0	.5	.1	.2	.2	5.3	.1	.1	.1	.1	.1
Missouri	74,037	.1	.4	.1	.6	.6	3.7	.0	.0	.5	.0	.0
Montana	10,849	.0	.3	.1	1.3	1.4	.5	.1	.1	.6	.1	.1
Nebraska	23,319	.0	.2	.0	1.0	1.0	1.8	.0	.0	.2	7/ .0	.0
Nevada	26,911	.0	1.5	1.4	1.5	1.6	9.8	.2	.7	.7	2.2	2.5
New Hampshire	14,313	.3	.6	.3	.3	.2	6.5	.2	.3	.2	.4	.4
New Jersey	113,279	.1	.3	2.1	1.4	1.4	4.5	.2	2.1	.4	24.2	2.6
New Mexico	26,871	.3	3.5	.2	2.0	2.1	11.2	.0	.0	.4	.0	...
New York	257,238	.1	.3	1.1	5/ 4.4	.3	9.7	.3	.5	.4	8/ 0.8	.9
North Carolina	107,015	.0	.3	.0	.1	.1	2.8	.0	.0	.3	.0	.0
North Dakota	8,353	.1	.3	.1	.5	.8	1.5	.1	.1	.7	.1	.1
Ohio	152,033	.1	.2	.1	.3	.2	3.0	.0	.1	.4	.1	.1
Oklahoma	48,269	.7	5.5	28.8	20.8	21.0	31.4	24.2	28.0	21.2	35.0	35.8
Oregon	43,809	.0	.4	.5	.6	.6	3.0	.0	.0	.2	.0	.0
Pennsylvania	144,224	.1	.4	.1	.8	.4	6.7	.0	.1	.1	.6	.5
Rhode Island	12,455	.3	.4	4.9	2.5	2.7	10.7	4.9	5.1	.2	12.1	12.3
South Carolina	52,214	.0	.3	.0	.2	.3	3.5	.0	.0	.6	.0	.0
South Dakota	10,173	.0	.3	.0	...	...	2.0	.0	.0	.1	.0	.0
Tennessee	74,478	.1	.3	.1	.3	.4	4.5	.1	.1	.5	.0	.0
Texas	333,974	.1	...	6/ 1.2	.2	.2	18.9	.1	9/.1	.6	7/ .1	.1
Utah	43,059	.1	.3	.2	.4	.4	5.9	.0	.1	.0	.3	.5
Vermont	6,607	.3	.2	.1	.9	.3	1.5	.1	.1	.1	.1	.1
Virginia	91,862	.1	.4	.1	.2	.1	7.7	.1	.1	.3	.3	.0
Washington	78,190	.2	.5	1.7	4.4	13.5	22.9	1.3	4.3	.5	5.1	4.9
West Virginia	20,730	.0	.2	.5	.7	2.6	7.8	.0	.5	.2	.8	.5
Wisconsin	66,557	.0	.4	.1	.1	.1	1.5	.0	.1	.0	10/ .1	.1
Wyoming	6,387	.0	.2	.0	1.0	1.0	1.2	.0	-	.2	.0	-
Puerto Rico	64,109	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0
Virgin Islands	2,017	.1	2.4	8.3	1.1	1.1	9.5	4.1	9.6	1.5	10.5	10.1
Guam	4,308	.2	1.9	12.6	3.1	3.3	28.6	11.9	13.3	3.5	15.3	16.0
American Samoa	1,634	.2	...	...	...	...	...	...	...	...	...	...

- Quantity zero.
0.0 Quantity more than zero but less than 0.05.
... Data not available.
1/ Excludes data for Puerto Rico, Virgin Islands, and Guam.
2/ California reports date last normal menses began but does not report clinical estimate of gestation.
3/ Alabama does not report renal disease.
4/ Kansas does not report Rh sensitization.
5/ New York city (but not New York State) reports tobacco use.
6/ Texas does not report genital herpes and uterine bleeding.
7/ Nebraska and Texas do not report birth injury.
8/ New York City does not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more.
9/ Texas does not report anesthetic complications and fetal distress.
10/ Wisconsin does not report fetal alcohol syndrome.

Table B. Births by State of Occurrence and Residence, 1997

Area	Occurrence	Residence
Total	3,884,329	3,884,329
United States	3,884,329	3,880,894
Alabama	60,091	60,914
Alaska	9,841	9,947
Arizona	75,764	75,699
Arkansas	35,321	36,478
California	525,242	524,840
Colorado	56,868	56,533
Connecticut	42,944	43,109
Delaware	10,729	10,253
District of Columbia	14,996	7,927
Florida	192,598	192,383
Georgia	119,136	118,221
Hawaii	17,414	17,393
Idaho	18,256	18,582
Illinois	177,732	180,803
Indiana	83,421	83,436
Iowa	36,814	36,659
Kansas	36,062	37,289
Kentucky	51,617	53,203
Louisiana	66,187	66,025
Maine	13,474	13,669
Maryland	65,990	70,215
Massachusetts	81,270	80,364
Michigan	132,501	133,714
Minnesota	64,461	64,499
Mississippi	40,612	41,533
Missouri	76,653	74,037
Montana	10,731	10,849
Nebraska	23,631	23,319
Nevada	26,507	26,911
New Hampshire	13,842	14,313
New Jersey	110,443	113,279
New Mexico	26,387	26,871
New York State only	135,249	138,335
New York, city only	123,289	118,903
North Carolina	108,041	107,015
North Dakota	9,556	8,353
Ohio	152,564	152,033
Oklahoma	47,206	48,269
Oregon	45,117	43,809
Pennsylvania	144,937	144,224
Rhode Island	13,315	12,455
South Carolina	50,030	52,214
South Dakota	10,270	10,173
Tennessee	79,415	74,478
Texas	337,701	333,974
Utah	43,870	43,059
Vermont	6,332	6,607
Virginia	89,668	91,862
Washington	77,143	78,190
West Virginia	21,647	20,730
Wisconsin	65,461	66,557
Wyoming	5,983	6,387

Births by State of Occurrence and Residence, 1997

Area	Occurrence	Residence
Foreign Residents	–	3,435
Puerto Rico	–	22
Virgin Islands	–	30
Guam	–	5
Canada	–	178
Cuba	–	–
Mexico	–	2,480
Remainder of world	–	720

Table C. Sources for resident population and population including Armed Forces abroad: Birth- and death-registration States, 1900-1932, and United States, 1900-1997.

Year	Source
1997	U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1997. PPL-91R. Rounded populations consistent with U.S. Bureau of the Census file NESTV97. Washington:U.S. Department of Commerce. 1998.
1996	U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1996. PPL-57. Washington:U.S. Department of Commerce. 1997.
1995	U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1995. Census file RESD0795, PPL-41. Washington:U.S. Department of Commerce. 1996.
1994	U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1990 to 1994. PPL-21. Washington:U.S. Department of Commerce. 1995.
1993	U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1993. Census file RESO793. Washington:U.S. Department of Commerce. 1995.
1992	U.S. Bureau of the Census, United States population estimates, by age, sex, race, and Hispanic origin: 1992. Census file RESPO792. Washington:U.S. Department of Commerce. 1994.
1991	U.S. Bureau of the Census, Unpublished data consistant with Current Population Reports, Series P-25, No. 1095, Feb. 1993.
1990	U.S. Bureau of the Census, Unpublished data from the 1990 census. 1990 CPH-L-74 and unpublished data consistent with Current Population Reports, Series P-25, No. 1095, Feb. 1993.
1989	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1057, Mar. 1990.
1988	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1045, Jan. 1990.
1986-87	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1022, Mar. 1988.
1985	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1000, Feb. 1987.
1984	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 985, Apr. 1986.
1983	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 965, Mar. 1985.
1982	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 949, May 1984.
1981	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 929, May 1983.
1980	U.S. Bureau of the Census, U.S. Census of Population: 1980, Number of Inhabitants, PC80-1-A1, United States Summary, 1983.
1971-79	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 917, July 1982.
1970	U.S. Bureau of the Census, U.S. Census of Population: 1970, Number of Inhabitants, Final Report PC(1)-A1, United States Summary, 1971.
1961-69	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 519, April 1974.
1960	U.S. Bureau of the Census, U.S. Census of Population: 1960, Number of Inhabitants, PC(1)-A1, United States Summary, 1964.
1951-59	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 310, June 30, 1965.
1940-50	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 499, May 1973.
1930-39	U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 499, May 1973, and National Office of Vital Statistics, Vital Statistics Rates in the United States, 1900-1940, 1947.
1920-29	National Office of Vital Statistics, Vital Statistics Rates in the United States, 1900-1940, 1947.
1917-19	Same as for 1930-39.
1900-1916	Same as for 1920-29.

Table D. Ratio of census-level resident population to resident population adjusted for estimated net census undercount by age, sex, and race: April 1, 1990

Age	Total			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All ages	0.9815	0.9721	0.9906	0.9802	0.9728	0.9873	0.9432	0.9151	0.9699
10-14	0.9882	0.9891	0.9873	0.9830	0.9841	0.9818	0.9591	0.9586	0.9595
15-19	1.0166	1.0198	1.0133	1.0094	1.0128	1.0059	0.9988	1.0016	0.9959
20-24	1.0002	0.9987	1.0017	0.9975	0.9985	0.9966	0.9593	0.9432	0.9753
25-29	0.9591	0.9439	0.9748	0.9558	0.9441	0.9681	0.9123	0.8732	0.9510
30-34	0.9687	0.9487	0.9892	0.9669	0.9518	0.9828	0.9129	0.8599	0.9651
35-39	0.9790	0.9628	0.9954	0.9764	0.9643	0.9888	0.9303	0.8808	0.9778
40-44	0.9901	0.9758	1.0044	0.9875	0.9764	0.9988	0.9410	0.8943	0.9850
45-49	0.9775	0.9633	0.9916	0.9762	0.9648	0.9877	0.9302	0.8807	0.9762
50-54	...	0.9623	...	...	0.9651	...	...	0.8802	...
55 years and over	...	0.9758	...	...	0.9783	...	...	0.9294	...
15-44	...	...	0.9954	...	...	0.9890	...	...	0.9739
15-54	...	0.9710	...	...	0.9710	...	...	0.9046	...

... Category not applicable.

Table 4-1. Population of Birth- and Death-Registration States, 1990-1932, and United States, 1900-1997

(Population enumerated as of April 1 for 1940, 1950, 1960, 1970, 1980, and 1990 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 States/2	Population residing in area	Number of States/2	Population residing in area
1997	267,901,000	267,636,061	1950	151,132,000	150,697,361	...	...	...	...
1996	265,556,890	265,283,783	1949	149,188,000	148,665,000	...	...	...	...
1995	263,033,968	262,755,270	1948	146,631,000	146,093,000	...	...	...	...
1994	260,659,690	260,340,990	1947	144,126,000	143,446,000	...	...	...	...
1993	258,119,768	257,783,004	1946	141,389,000	140,054,000	...	...	...	...
1992	255,457,501	255,077,536	1945	139,928,000	132,481,000	...	...	...	...
1991	252,688,000	252,177,000	1944	138,397,000	132,885,000	...	...	...	...
1990	249,225,000	248,709,873	1943	136,739,000	134,245,000	...	...	...	...
1989	247,342,000	246,819,000	1942	134,860,000	133,920,000	...	...	...	...
1988	245,021,000	244,499,000	1941	133,402,000	133,121,000	...	...	...	...
1987	242,804,000	242,289,000	1940	131,820,000	131,669,275	...	...	...	...
1986	240,651,000	240,133,000	1939	131,028,000	130,879,718	...	...	...	...
1985	238,466,000	237,924,000	1938	129,969,000	129,824,939	...	...	...	...
1984	236,348,000	235,825,000	1937	128,961,000	128,824,829	...	...	...	...
1983	234,307,000	233,792,000	1936	128,181,000	128,053,180	...	...	...	...
1982	232,188,000	231,664,000	1935	127,362,000	127,250,232	...	...	...	...
1981	229,966,000	229,466,000	1934	126,485,000	126,373,773	...	...	...	...
1980	227,061,000	226,545,805	1933	125,690,000	125,578,763	...	...	...	...
1979	225,055,000	224,567,000	1932	124,949,000	124,840,471	47	118,903,899	47	118,903,899
1978	222,585,000	222,095,000	1931	124,149,000	124,039,648	46	117,455,229	47	118,148,987
1977	220,239,000	219,760,000	1930	123,188,000	123,076,741	46	116,544,946	47	117,238,278
1976	218,035,000	217,563,000	1929	---	121,769,939	46	115,317,450	46	115,317,450
1975	215,973,000	215,465,000	1928	---	120,501,115	44	113,636,160	44	113,636,160
1974	213,854,000	213,342,000	1927	---	119,038,062	40	104,320,830	42	107,084,532
1973	211,909,000	211,357,000	1926	---	117,399,225	35	90,400,590	41	103,822,683
1972	209,896,000	209,284,000	1925	---	115,831,963	33	88,294,564	40	102,031,555
1971	207,661,000	206,827,000	1924	---	114,113,463	33	87,000,295	39	99,318,098
1970	204,270,000	203,211,926	1923	---	111,949,945	30	81,072,123	38	96,788,197
1969	202,677,000	201,385,000	1922	---	110,054,778	30	79,560,746	37	92,702,901
1968	200,706,000	199,399,000	1921	---	108,541,489	27	70,807,090	34	87,814,447
1967	198,712,000	197,457,000	1920	---	106,466,420	23	63,597,307	34	86,079,263
1966	196,560,000	195,576,000	1919	105,063,000	104,512,110	22	61,212,076	33	83,157,982
1965	194,303,000	193,526,000	1918	104,550,000	103,202,801	20	55,153,782	30	79,008,412
1964	191,889,000	191,141,000	1917	103,414,000	103,265,913	20	55,197,952	27	70,234,775
1963	189,242,000	188,483,000	1916	---	101,965,984	11	32,944,013	26	66,971,177
1962	186,538,000	185,771,000	1915	---	100,549,013	10	31,096,697	24	61,894,847
1961	183,691,000	182,992,000	1914	---	99,117,567	...	...	24	60,963,309
1960	179,933,000	179,323,175	1913	---	97,226,814	...	...	23	58,156,740
1959	177,264,000	176,513,000	1912	---	95,331,300	...	...	22	54,847,700
1958	174,141,000	173,320,000	1911	---	93,867,814	...	...	22	53,929,644
1957	171,274,000	170,371,000	1910	---	92,406,536	...	...	20	47,470,437
1956	168,221,000	167,306,000	1909	---	90,491,525	...	...	18	44,223,513
1955	165,275,000	164,308,000	1908	---	88,708,976	...	...	17	38,634,759
1954	162,391,000	161,164,000	1907	---	87,000,271	...	...	15	34,552,837
1953	159,565,000	158,242,000	1906	---	85,436,556	...	...	15	33,782,288
1952	156,954,000	155,687,000	1905	---	83,819,666	...	...	10	21,767,980
1951	154,287,000	153,310,000	1904	---	82,164,974	...	...	10	21,332,076
			1903	---	80,632,152	...	...	10	20,943,222
			1902	---	79,160,196	...	...	10	20,582,907
			1901	---	77,585,128	...	...	10	20,237,453
			1900	---	76,094,134	...	...	10	19,965,446

... 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. Bureau of the Census; see text.

Table 4-2. Estimated Population of the United States, by Age, Race, and Sex: July 1, 1997

[Figures include Armed Forces stationed in the United States but exclude those stationed outside the United States]

Age	All races			White			Black			American Indian			Asian or Pacific Islander		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All ages	267,636,061	131,017,669	136,618,392	221,334,048	108,892,758	112,441,290	33,947,084	16,120,914	17,826,170	2,322,044	1,152,805	1,169,239	10,032,885	4,851,192	5,181,693
Under 1	3,796,593	1,942,523	1,854,070	3,020,665	1,548,908	1,471,757	555,354	281,774	273,580	40,876	20,599	20,277	179,698	91,242	88,456
1-4 years	15,353,002	7,858,303	7,494,699	12,163,625	6,239,768	5,923,857	2,336,285	1,184,890	1,151,395	160,660	81,358	79,302	692,432	352,287	340,145
5-9 years	19,738,398	10,104,334	9,634,064	15,559,813	7,977,544	7,582,269	3,147,263	1,597,222	1,550,041	226,307	114,976	111,331	805,015	414,592	390,423
10-14 years	19,039,670	9,756,558	9,283,112	15,093,410	7,749,672	7,343,738	2,936,608	1,492,104	1,444,504	239,473	121,579	117,894	770,179	393,203	376,976
15-19 years	19,067,918	9,826,506	9,241,412	15,151,220	7,837,946	7,313,274	2,962,609	1,505,420	1,457,189	219,481	110,768	108,713	734,608	372,372	362,236
15-17 years	11,600,281	5,984,284	5,615,997	9,198,548	4,758,704	4,439,844	1,802,955	921,359	881,596	139,233	70,416	68,817	459,545	233,805	225,740
18-19 years	7,467,637	3,842,222	3,625,415	5,952,672	3,079,242	2,873,430	1,159,654	584,061	575,593	80,248	40,352	39,896	275,063	138,567	136,496
20-24 years	17,511,806	8,979,345	8,532,461	13,969,619	7,219,148	6,750,471	2,598,010	1,284,683	1,313,327	186,263	94,973	91,290	757,914	380,541	377,373
25-29 years	18,868,641	9,470,009	9,398,632	15,162,631	7,686,498	7,476,133	2,614,980	1,252,590	1,362,390	190,604	99,639	90,965	900,426	431,282	469,144
30-34 years	20,740,870	10,340,361	10,400,509	16,903,250	8,522,594	8,380,656	2,762,406	1,298,038	1,464,368	183,556	93,078	90,478	891,658	426,651	465,007
35-39 years	22,624,677	11,286,336	11,338,341	18,709,658	9,431,451	9,278,207	2,857,605	1,342,537	1,515,068	183,436	91,395	92,041	873,978	420,953	453,025
40-44 years	21,373,251	10,596,489	10,776,762	17,805,941	8,923,447	8,882,494	2,582,364	1,205,641	1,376,723	165,285	80,468	84,817	819,661	386,933	432,728
45-49 years	18,469,622	9,073,571	9,396,051	15,564,301	7,737,362	7,826,939	2,076,937	948,964	1,127,973	134,377	65,417	68,960	694,007	321,828	372,179
50-54 years	15,163,012	7,383,195	7,779,817	13,049,279	6,420,579	6,628,700	1,500,444	672,655	827,789	103,218	49,827	53,391	510,071	240,134	269,937
55-59 years	11,757,221	5,645,965	6,111,256	10,091,429	4,899,979	5,191,450	1,208,332	529,516	678,816	77,228	36,572	40,656	380,232	179,898	200,334
60-64 years	10,055,769	4,744,625	5,311,144	8,683,444	4,147,189	4,536,255	1,004,238	430,198	574,040	60,518	28,270	32,248	307,569	138,968	168,601
65-69 years	9,762,494	4,461,389	5,301,105	8,525,158	3,933,383	4,591,775	934,717	399,659	535,058	48,195	21,835	26,360	254,424	106,512	147,912
70-74 years	8,736,056	3,807,434	4,928,622	7,784,935	3,416,070	4,368,865	713,126	290,374	422,752	38,627	17,291	21,336	199,368	83,699	115,669
75-79 years	7,063,405	2,915,372	4,148,033	6,365,567	2,640,079	3,725,488	536,497	208,208	330,289	27,913	11,677	16,236	131,428	55,408	76,020
80-84 years	4,642,308	1,713,444	2,928,864	4,225,771	1,563,641	2,662,130	324,818	110,844	213,974	17,814	7,150	10,664	73,905	31,809	42,096
85 years +	3,871,348	1,111,910	2,759,438	3,504,332	997,500	2,506,832	292,491	85,597	206,894	18,213	5,933	12,280	56,312	22,880	33,432

SOURCE: Published and unpublished data from the Bureau of the Census; see text.

Table 4-3. Estimated Total Population and Female Population Aged 15-44 Years: United States, each division and State, Puerto Rico, Virgin Islands, Guam, and American Samoa: July 1, 1997

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

Area	Total	Female 15-44 years
United States	267,636,061	59,688,117
Geographic divisions:		
New England	13,378,545	3,008,115
Middle Atlantic	38,209,736	8,371,233
East North Central	43,889,857	9,847,222
West North Central	18,570,596	4,074,267
South Atlantic	48,230,168	10,746,008
East South Central	16,325,977	3,711,664
West South Central	29,631,016	6,694,138
Mountain	16,482,103	3,626,872
Pacific	42,918,063	9,608,598
New England		
Maine	1,242,051	275,956
New Hampshire	1,172,709	273,301
Vermont	588,978	133,232
Massachusetts	6,117,520	1,390,445
Rhode Island	987,429	220,026
Connecticut	3,269,858	715,155
Middle Atlantic		
New York	18,137,226	4,023,874
New Jersey	8,052,849	1,768,188
Pennsylvania	12,019,661	2,579,171
East North Central		
Ohio	11,186,331	2,503,414
Indiana	5,864,108	1,326,800
Illinois	11,895,849	2,645,101
Michigan	9,773,892	2,227,162
Wisconsin	5,169,677	1,144,745
West North Central		
Minnesota	4,685,549	1,050,544
Iowa	2,852,423	607,235
Missouri	5,402,058	1,191,071
North Dakota	640,883	136,964
South Dakota	737,973	160,035
Nebraska	1,656,870	361,239
Kansas	2,594,840	567,179

Area	Total	Female 15-44 years
South Atlantic		
Delaware	731,581	170,083
Maryland	5,094,289	1,192,961
District of Columbia	528,964	128,568
Virginia	6,733,996	1,584,016
West Virginia	1,815,787	390,046
North Carolina	7,425,183	1,663,752
South Carolina	3,760,181	864,721
Georgia	7,486,242	1,788,398
Florida	14,653,945	2,963,463
East South Central		
Kentucky	3,908,124	887,672
Tennessee	5,368,198	1,216,065
Alabama	4,319,154	981,452
Mississippi	2,730,501	626,475
West South Central		
Arkansas	2,522,819	541,864
Louisiana	4,351,769	1,005,270
Oklahoma	3,317,091	712,202
Texas	19,439,337	4,434,802
Mountain		
Montana	878,810	183,694
Idaho	1,210,232	264,432
Wyoming	479,743	103,387
Colorado	3,892,644	880,817
New Mexico	1,729,751	381,437
Arizona	4,554,966	969,528
Utah	2,059,148	486,688
Nevada	1,676,809	356,889
Pacific		
Washington	5,610,362	1,264,962
Oregon	3,243,487	698,688
California	32,268,301	7,255,465
Alaska	609,311	137,403
Hawaii	1,186,602	252,080
Puerto Rico	901,660	3,827,038
Virgin Islands	25,109	114,483
Guam	31,026	145,780
American Samoa	13,227	60,383

SOURCE: Published and unpublished data from the Bureau of the Census; see text.

National Vital Statistics Reports

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Births: Final Data for 1997

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Abstract

Objectives—This report presents 1997 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 and alcohol use); medical care utilization by pregnant women (prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth, and method of delivery); and infant health characteristics (period of gestation, birthweight, Apgar score, abnormal conditions, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's State of residence are shown including teenage birth rates and total fertility rates, as well as data on month and day of birth, sex ratio, and age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

Methods—Descriptive tabulations of data reported on the birth certificates of the 3.9 million births that occurred in 1997 are presented.

Results—Birth and fertility rates declined very slightly in 1997. Birth rates for teenagers fell 3 to 5 percent. Rates for women in their twenties changed very little, whereas rates for women in their thirties rose 2 percent. The number of births and the birth rate for unmarried women each declined slightly in 1997 while the percent of births that were to unmarried women was unchanged. Smoking by pregnant women overall dropped again in 1997, but continued to increase among teenagers. Improvements in prenatal care utilization continued. The cesarean delivery rate increased slightly after declining for 7 consecutive years. The proportion of multiple births continued to rise; higher order multiple births (e.g., triplets, quadruplets) rose by 14 percent in 1997, following a 20 percent rise from 1995 to 1996. Key measures of birth outcome—the percents of low birthweight and preterm births—increased, with particularly large increases in the preterm rate. These changes are in large part the result of increases in multiple births.

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

Highlights

Births in the United States declined very slightly in 1997, to 3,880,894, the lowest number since 1987. The **birth rate** also dropped in 1997, to 14.5 births per 1,000 total population, a record low for the Nation. The **fertility rate**, which relates births to the number of women of childbearing age, declined in 1997 to 65.0 births per 1,000 women aged 15–44 years, matching the record low reported in 1976.

Fertility rates for women in racial and Hispanic origin subgroups increased for Puerto Rican, American Indian, and Asian or Pacific Islander women, but declined for other groups by up to 3 percent. Rates differ considerably among groups, with Mexican women having the highest rate, 116.6 per 1,000 aged 15–44 years. Rates are successively lower for non-Hispanic black, Puerto Rican, American Indian, Asian or Pacific Islander, Cuban and non-Hispanic white women.

The birth rate for teenagers continued to decline in 1997, falling 4 percent to 52.3 births per 1,000 women aged 15–19 years. The rate for young teenagers 15–17 years declined 5 percent to 32.1 per 1,000, while the rate for older teenagers 18–19 years declined 3 percent to 83.6. During 1991–97, the rate for ages 15–19 years dropped 16 percent, while rates for teenagers 15–17 and 18–19 years fell 17 and

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11 percent, respectively. From 1991 to 1997, the rates for non-Hispanic black and Puerto Rican teenagers dropped 24 to 27 percent. Teenage birth rates fell significantly in all but one State during 1991–97. The teenage pregnancy rate has continued to fall in the 1990's, as reflected in concurrent declines in birth and abortion rates.

Birth rates for women in their twenties, the peak childbearing ages, changed little in 1997. The rate for women 20–24 years declined slightly to 110.0 per 1,000, while the rate for women 25–29 years rose 1 percent to 113.8 per 1,000. Birth rates for women in their twenties have been relatively stable over the past two decades.

Birth rates for women in their thirties increased 2 percent in 1997, to 85.3 per 1,000 for women aged 30–34 years, and to 36.1 for women aged 35–39 years. These rates have risen almost without interruption since the mid-to-late 1970's. However, the pace of increase has slowed in the 1990's, especially for women aged 30–34 years. **The birth rate for women aged 40–44 years** also increased in 1997, to 7.1 per 1,000.

The **first birth rate** declined in 1997 to its lowest level ever, 26.5 first births per 1,000 women aged 15–44 years. Among teenagers, first birth rates declined 3 to 5 percent. Rates for second births to teenagers who have had one birth changed little in 1997, after dropping substantially from 1991 to 1996. First birth rates for women in their thirties rose again in 1997, continuing a long-term trend.

The birth rate for unmarried women in 1997 was 44.0 births per 1,000 unmarried women aged 15–44 years, 2 percent lower than in 1996 and 6 percent lower than its highest level, 46.9 in 1994. The number of births to unmarried women declined slightly to 1,257,444 in 1997, while the percent of all births occurring to unmarried women was unchanged at 32.4 percent. The birth rate for unmarried teenagers fell 2 percent in 1997 to 42.2 per 1,000, down 9 percent from its 1994 high, 46.4.

Cigarette smoking during pregnancy continued to decline in 1997, to 13.2 percent of women giving birth. Tobacco use during pregnancy has fallen steadily since 1989. However, smoking among pregnant teenagers increased again in 1997, with particularly large increases for black and Puerto Rican teenagers. In general, smoking rates are lowest for Hispanic and Asian or Pacific Islander women. Maternal smoking has a strong adverse impact on infant birthweight. In 1997, 12.1 percent of births to smokers compared with 7.1 percent of births to nonsmokers weighed less than 2,500 grams (5 lb 8 oz).

First trimester prenatal care improved for the 8th consecutive year, rising from 81.9 in 1996 to 82.5 percent in 1997. Timely care has risen among all race/ethnic groups for the 1990's, but gains have been the most pronounced among groups with lower levels of care. Since 1989, first trimester care has risen by at least 20 percent among Mexican, Puerto Rican, Central and South American, and non-Hispanic black women, and by more than 15 percent among American Indian and Hawaiian mothers. Despite these improvements, rates of first trimester care are still low for American Indian, Mexican, and non-Hispanic black women.

Data on **method of delivery** show that the rate of cesarean delivery increased slightly between 1996 and 1997 (from 20.7 to 20.8 percent) after declining for 7 consecutive years. The rate in 1997 was 9 percent lower than in 1989 (22.8 percent). The primary cesarean rate was also 9 percent lower in 1996 and 1997 than in 1989 (14.6 first cesareans per 100 women who had no previous cesarean in 1996 and 1997 compared with 16.1 in 1989). The rate of vaginal birth following a previous cesarean delivery (VBAC) increased 50 percent between 1989 (18.9) and 1996 (28.3) but fell 3 percent from 1996 to 1997 (27.4). The percent of births delivered by forceps continued to decline (2.8 percent in 1997) while the percent by vacuum extraction rose (6.2 percent in 1997).

The remarkable rise in **multiple births** continued in 1997; the number of twin births rose 3 percent (from 100,750 to 104,137), and the number of triplets climbed 16 percent (from 5,298 to 6,148). Births in quadruplet and quintuplet and other higher order births were down slightly, however. The twinning rate has increased 11 percent since 1990 (from 22.6 to 26.8 per 1,000), and by 42 percent since 1980 (from 18.9 per 1,000). The higher order multiple birth rate has more than doubled just since 1991 (from 81.4 to 173.6 per 100,000), and has quadrupled since 1980 (from 37.0 per 100,000).

The rate of **preterm birth** (less than 37 completed weeks of gestation) increased sharply from 11.0 percent in 1996 to 11.4 percent in 1997. The percent of births born preterm has risen 8 percent since 1990, and more than 20 percent since 1981 (from 9.4 percent). The recent upward trend in this rate has been partly driven by the rise in multiple births that are at much greater risk of shorter gestations than singletons. (The preterm rate for singletons was 10.0 percent compared with 54.9 percent for twins, and 93.6 percent for higher order multiples.) The preterm birth rate was up for most racial/ethnic groups, but the largest rise (4 percent) was observed among births to non-Hispanic white mothers (from 9.5 to 9.9 percent).

The proportion of infants born **low birthweight** (LBW) rose again for 1997 to 7.5 percent (from 7.4 percent for 1996), the highest level reported since 1973. This rate has risen slowly over the last decade. Low birthweight was up slightly among non-Hispanic white (6.4 to 6.5 percent) and Hispanic mothers (6.3 to 6.4 percent). The current year rise in LBW was only partly attributable to the increase in multiple births; low birthweight among singleton births rose from 6.03 percent in 1996 to 6.08 percent in 1997. The 1997 level of low birthweight was unchanged among non-Hispanic black mothers from the previous year at 13.1 percent.

Introduction

This report presents detailed data on numbers and characteristics of births in 1997, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and change in this country and in individual States. Data on maternal characteristics such as weight gain, tobacco and alcohol use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of low birthweight and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 1997 presented data on selected topics based on a substantial sample (about 99 percent) of the 1997 birth file (1). The selected measures included birth rates by age, race, and Hispanic origin of mother, and by live-birth order, and births by marital status, prenatal care, cesarean delivery, and low birthweight. Findings for these selected measures based on the preliminary data are essentially identical 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 data tape, which is issued for each year. Birth data are also available in CD-ROM format since 1991 (2).

Methods

Data shown in this report are based on 100 percent of the birth certificates registered in all States and the District of Columbia. More than 99 percent of births occurring in this country are registered (3). Tables that show data by State also provide separate information for Puerto Rico, Virgin Islands, Guam, and American Samoa; however, data for these areas are not included in totals for the United States. Data for American Samoa are available for the first time in 1997.

In this report, tabulations of births beginning with 1980 data are by race of mother; for years prior to 1980, tabulations are by race of child. Details of the differences in tabulation procedure are described in the Technical notes. Text references to black births and black mothers or white births and white mothers are used interchangeably.

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 vast majority of women of Hispanic origin are reported as white. Most tables in this report show data for these categories: white, total; white, non-Hispanic; black, total; black, non-Hispanic; and Hispanic. When data other than birth rates for Hispanic subgroups are shown, they are presented for the following five groups: Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic. When reporting birth rates for Hispanic subgroups, births to Central and South American women are added to births to other and unknown Hispanic women because more detailed population data for Central and South American women are not separately available. Data are shown for five Asian or Pacific Islander (API) subgroups: Chinese, Japanese, Hawaiian, Filipino, and "other" API. In addition, eight States report data on API subgroups included in the "other" API category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API); see Technical notes. A report on births in 1992 to women in these API subgroups has been published (4).

U.S. and State-level birth and fertility rates in this report were computed on the basis of population denominators provided by the U.S. Bureau of the Census. Rates by State shown in this report may differ from rates computed on the basis of other population estimates. Additional information on the measurement of marital status, gestational age, and 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 1997. (See Technical notes for additional information.) All other maternal and infant characteristics (except items on which length of gestation is calculated) are not imputed; see Technical notes. Births for which a particular characteristic is unknown are subtracted from the figures for total births that are used as denominators before percents, percent distributions, and medians are computed. Thus, for example, the proportion of women receiving care in the first trimester of pregnancy is computed on the basis of births for which month pregnancy prenatal care began was reported. Levels of nonreporting vary substantially by specific item and by State. Table I in the Technical notes provides information on the percent of records with missing information for each item by State for 1997. Readers should note that the levels of incomplete reporting for some of the medical items are quite high in some States. Data for Connecticut, Hawaii, and Oklahoma are of particular concern.

Demographic characteristics

Births and birth rates

Number of births

The number of births in the United States declined very slightly in 1997, to 3,880,894, compared with 3,891,494 in 1996. Between 1995 and 1997 the number of births fell less than half of 1 percent. The 1997 total is 7 percent fewer than the number in 1990, the most recent high point in U.S. births and is the lowest recorded in a decade **(see tables 1–12 for national and State birth data by age, live-birth order, race, and Hispanic origin)**. According to provisional data for 1998, births have increased about 2 percent.

The **number of births for most race and Hispanic origin groups increased in 1997 (tables 1 and 6)**. Increases of 1 to 2 percent were reported for non-Hispanic black, Puerto Rican, American Indian, Filipino, Mexican, and Cuban births. The small overall decline in U.S. births reflects almost entirely the 1-percent decline in the number of births to non-Hispanic white women. Births to Central and South American, Chinese, and Japanese women also declined—by less than 1 percent. Hawaiian births fell 4 percent.

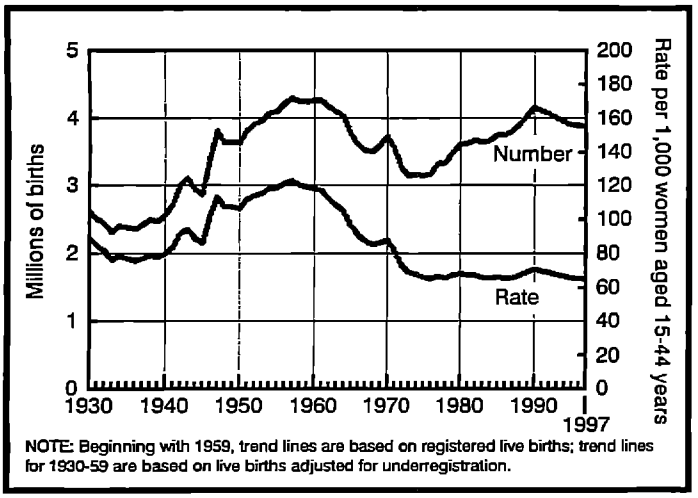
Crude birth rate

The crude birth rate in 1997 was 14.5 live births per 1,000 total population, a record low for the Nation. The 1997 rate was 1 percent lower than in 1996 and 13 percent lower than in 1990 (16.7). The previous low point for the U.S. birth rate was recorded in 1975 and 1976 (14.6). Provisional data for 1998 suggest a small increase in the birth rate.

Fertility rate

The fertility rate, which relates births to the number of women in the childbearing ages, was 65.0 live births per 1,000 women aged 15–44 years in 1997, less than 1 percent below the 1996 rate (65.3). The fertility rate for 1997 was 8 percent below the rate in 1990 (70.9), and matched the previous low recorded in 1976 **(table 1 and figure 1)**. The decline in the fertility rate in the 1990's reverses an 8-percent rise from 1986 to 1990. Provisional data for 1998 indicate an increase in the fertility rate.

Fertility rates for most race and Hispanic origin groups declined in 1997 (tables 1 and 6). Rates declined less than 1 percent



NOTE: Beginning with 1959, trend lines are based on registered live births; trend lines for 1930-59 are based on live births adjusted for underregistration.

Figure 1. Live births and fertility rates: United States, 1930–97

each for non-Hispanic black (72.4 per 1,000) and non-Hispanic white women (57.0). The rates for Mexican women (116.6), Cuban women (57.4), and "other" Hispanic women (which includes all births to Central and South American and other and unknown Hispanic women) (87.6) fell by 2 to 3 percent each. The rates for Puerto Rican (71.7), American Indian (69.1), and API women (66.3) increased 1 percent each.

The modest reductions in fertility rates for non-Hispanic white and black women indicate a slowdown in the steady downward trend in these rates in the 1990's. During the years 1990–96, the fertility rate for non-Hispanic white women declined 9 percent, and the rate for non-Hispanic black women fell 19 percent. The increases in fertility rates for American Indian and API women in 1997 mark a halt, even if temporarily, in the general downward trend in these rates during the 1990's.

The fertility rate for Hispanic women in 1997 was the lowest reported since 1989 when data accounting for virtually all Hispanic births in the United States first became available. Trends in fertility for Hispanic women by subgroup for 1989–95 are presented in more detail in a recent report (5).

Age of mother

Teenagers—The **birth rate for the youngest teenagers** was 1.1 births per 1,000 females 10–14 years in 1997, matching the rate reported in 1980–83 (**table 4**). This rate has declined steadily since 1994 (the rate was 1.4 in each year 1989 through 1994). The number of births to 10–14-year-olds fell 9 percent from 1996 to 1997, to 10,121, the lowest total reported since 1984 (9,965). The decline in the number of births to very young teenagers occurred solely as a result of the reduction in the birth rate; the number of female teenagers has increased steadily in the 1990's (6).

The **birth rate for teenagers 15–19 years** fell 4 percent to 52.3 per 1,000. This rate was 16 percent lower than the rate in 1991 (62.1) (**table A**). The recent declines in the teenage birth rate partly reverse the 24-percent increase that occurred from 1986 to 1991. State-specific birth rates for teenagers are discussed in the section "Births and birth rates by State."

Birth rates for teenage subgroups 15–17 and 18–19 years also fell between 1996 and 1997. The rate for teenagers 15–17 years declined 5 percent to 32.1 per 1,000. This rate fell by 17 percent from 1991 (38.7) to 1997 (**table 4 and figure 2**). The number of births to teenagers 15–17 years fell 3 percent from 1996 to 1997 to 180,154.

Table A. Birth rates for teenagers by age, race, and Hispanic origin of mother: United States, 1991, 1996, and 1997

[Rates per 1,000 women in specified group]

Year and age	Total[1]	Non-Hispanic		Hispanic
		White	Black	
10–14 years				
1997	1.1	0.4	3.4	2.3
1996	1.2	0.4	3.8	2.6
1991[2]	1.4	0.5	4.9	2.4
15–19 years				
1997	52.3	36.0	90.8	97.4
1996	54.4	37.6	94.2	101.8
1991[2]	62.1	43.4	118.9	106.7
15–17 years				
1997	32.1	19.4	62.6	66.3
1996	33.8	20.6	66.6	69.0
1991[2]	38.7	23.6	86.7	70.6
18–19 years				
1997	83.6	61.9	134.0	144.3
1996	86.0	63.7	136.6	151.1
1991[2]	94.4	70.5	163.1	158.5

[1]Includes races other than white and black and origin not stated.
[2]See reference 5 for information on reporting areas in 1991.

The birth rate for older teenagers 18–19 years declined 3 percent to 83.6 per 1,000. This rate fell 12 percent from 94.5 in 1992 (its recent high) to 1997. The number of births to older teenagers dropped just 1 percent in 1997 to 303,066.

Teenage birth rates by race and Hispanic origin vary substantially (**tables 3, 4, 8, and 9**). Rates in 1997 were highest for Mexican, non-Hispanic black, Puerto Rican, and American Indian teenagers and lowest for non-Hispanic white, Cuban, and API teenagers, a pattern that has been observed since 1994. Between 1996 and 1997, teenage birth rates declined for all race and Hispanic origin groups except Cuban and "other" Hispanic teenagers. Rates dropped 7 to 9 percent for Mexican and Puerto Rican teenagers, and 3 to 4 percent for American Indian, API, non-Hispanic white, and non-Hispanic black teenagers.

From 1991, when rates for teenagers generally were at a peak, to 1997, birth rates fell 24 to 27 percent for non-Hispanic black and Puerto Rican teenagers. Rates dropped 14 to 17 percent for non-Hispanic white, American Indian, and API teenagers. The rate for Mexican teenagers has declined 4 percent since 1991.

The factors accounting for the current downturn in teenage birth rates are discussed in a recent report (6). Briefly, the proportion of teenagers who are sexually experienced has stabilized in the mid-1990's, reversing the steady increases over the past two decades. Moreover, teenagers are more likely to use contraceptives at first intercourse, especially condoms (7,8).

Teenage pregnancy rates (based on the sum of live births, induced abortions, and fetal losses) have also declined in recent years (6, 9, 10, 11). The pregnancy rate for teenagers 15–19 years fell 12 percent from 117 per 1,000 in 1991 to 103 in 1995, reversing an 11-percent rise from 1986 to 1991 (6, 10). Further declines in the teenage pregnancy rate

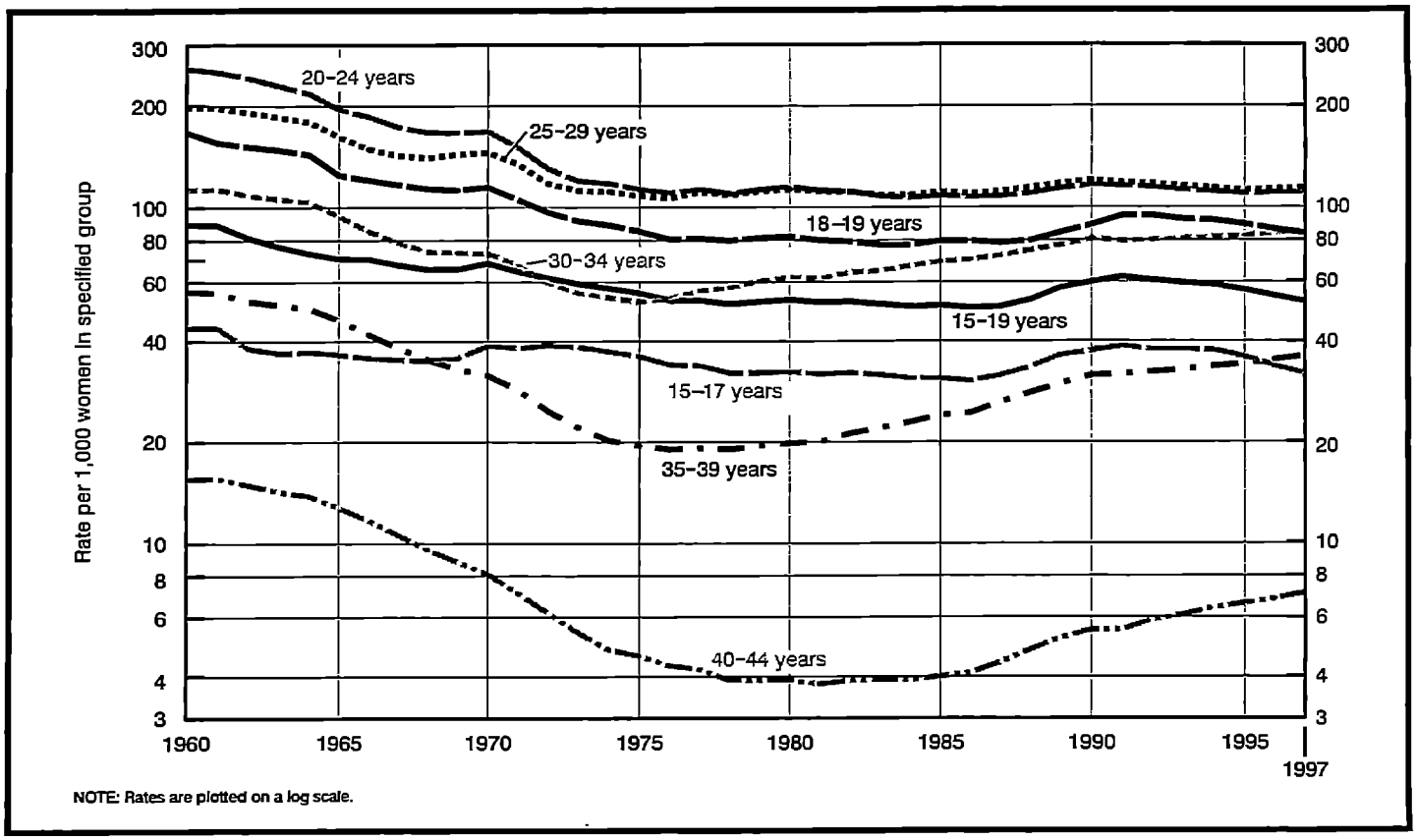


Figure 2. Birth rates by age of mother: United States, 1960–97

since 1995 are indicated by the steady decline in the teenage birth rate and declines in abortions among teenagers, according to preliminary data (12).

Women aged 20 years and over: Women in their twenties—The birth rate for women aged 20–24 years declined slightly in 1997, resuming the steady decline reported for 1990–95 (**tables 3, 4, 8, and 9**). The rate for women aged 20–24 years was 110.0 per 1,000 in 1997. The birth rate for women aged 25–29 years rose 1 percent in 1997 to 113.8 per 1,000; this rate increased for 2 consecutive years, following steady declines during 1990–95. The rates for women in their twenties, the principal childbearing ages, have been relatively stable over the past two decades.

Birth rates for women in age groups 20–24 and 25–29 years were consistently highest for Mexican women. For example, the rate for Mexican women aged 20–24 years, 204.9 per 1,000, was nearly three times the rate for API women in this age group (70.5).

Women in their thirties—Birth rates for women in their thirties rose 2 percent in 1997. Rates for women in these age groups have generally increased steadily since the late 1970's, a pattern unlike any other age group (**table 4**). The **rate for women aged 30–34 years** increased in 1997 to 85.3 per 1,000. This rate increased by 63 percent since 1975. Most of this increase occurred by 1990. The number of births to women aged 30–34 years dropped 1 percent in 1997, reflecting the 3-percent reduction in the number of women (13).

The **birth rate for women in their late thirties** increased 2 percent to 36.1 per 1,000 women aged 35–39 years. This rate has increased without interruption since 1978 (19.0) by 90 percent. Although the pace of increase slowed in the 1990's, the 1997 rate was still 14 percent higher than the rate in 1990 (31.7). Because the birth rate and the number of women each increased, the number of births to women aged 35–39 years rose again in 1997, to a record high, 409,710 (13). Among women in their thirties, birth rates were highest for API, Mexican, and "other" Hispanic women (**tables 3 and 8**).

Women in their forties—The **birth rate for women aged 40–44 years** increased from 6.8 per 1,000 to 7.1 in 1997. This rate rose 29 percent from 1990 (5.5) to 1997. From 1981 to 1997, the rate increased by 87 percent; the 1997 rate matches the previous high recorded in 1971. The number of births in this age group rose 6 percent to 76,084, the highest number reported since 1965.

The **birth rate for women aged 45–49 years** increased from 0.3 births per 1,000 in 1996 to 0.4 in 1997. The number of births to women in this age group rose 9 percent to 3,333, the highest number recorded since 1969 (3,398).

Births to women aged 50 years and over—In this report, statistics are shown for births to women aged 50–54 years in 1997, the first time this information is available since 1963. For the years 1964–96, mother's age was edited for ages 10–49 years (3). Additional information on the editing procedures is presented in the Technical notes. Because of the recent advances in fertility-enhancing therapies, an increasing number of women are giving birth at age 50 years and over. In 1997, 144 births were reported to women aged 50–54 years (**tables 2 and 7**). This number is too small for computing an age-specific birth rate. Therefore, in computing birth rates by age of mother, births to women aged 50–54 years have been included with births to women aged 45–49 years; the denominator for the rate is women aged 45–49 years.

Although sustained increases in birth rates have been most long-lasting for women aged 30 years and over (14), the pace of increase has slowed since 1990 as noted above (table 4). Among the factors contributing to the slowdown include declining birth expectations among childless women and relatively high proportions of currently childless women aged 35–44 years reporting impaired fecundity according to the 1995 National Survey of Family Growth (7, 15, 16).

Live-birth order

The first birth rate dropped 1 percent in 1997 to 26.5 first births per 1,000 women aged 15–44 years (**table 5**). This was the lowest level ever recorded. The first birth rate dropped 9 percent compared with 1990 (29.0), its recent high point. The rate for third births rose slightly. Birth rates for other birth orders were unchanged.

While the first birth rate declined 1 percent overall, there were substantial differences in the trends by age of mother (**table 3**; tabular data not shown for 1996 and earlier years). Rates declined for teenage subgroups 15–17 and 18–19 years and for women aged 20–24 years by 3 to 5 percent; the rate was unchanged for women aged 25–29 years. In contrast, first birth rates rose 3 percent for women in their thirties. Reflecting these variations by age, the proportion of all first births occurring to women aged 30 years and over increased slightly in 1997 to 23 percent compared with just 5 percent in 1975 (14). First birth rates for API women aged 30–34 and 35–39 years were substantially higher in 1997 than for any other group.

The **birth rate for second births to teenagers** who have had a first birth was essentially unchanged in 1997 compared with 1996, after falling 21 percent from 1991 to 1996 (6). All of the decline in teenage birth rates in 1997 was thus due to declines in first birth rates.

Total fertility rate

The total fertility rate (TFR) indicates the number of births that a hypothetical group of 1,000 women would have if they experienced throughout their childbearing years the age-specific birth rates observed in a given year. This measure shows the potential impact of current fertility patterns on completed family size. Because it is computed from age-specific birth rates, the TFR is age-adjusted; it is not affected by changes over time in age composition.

The TFR in 1997 was 2,032.5, less than 1 percent higher than in 1996 (**tables 4 and 9**). The TFR has increased from 1995—by 1 percent overall—following a 3-percent decline from 1990 to 1995. The increase in the TFR resulted from the rise in age-specific birth rates for all women in age groups 25–49 years, which more than compensated for the declines in the teenage birth rates.

The U.S. total fertility rate remains below "replacement" level (2,100), the rate at which a given generation can exactly replace itself. The TFR has been below "replacement" since 1971 (2,266.5). TFR's vary substantially among racial and Hispanic origin groups. In 1997, as in recent years, the TFR was above "replacement" for Mexican, non-Hispanic black, and Puerto Rican women. Rates were below "replacement" for American Indian, API, Cuban, and non-Hispanic white women (**tables 4, 9, 13, and 14**). Changes between 1996 and 1997 in most TFR's were 2 percent or less. State-specific TFR's for 1997 are discussed in the next section.

Births and birth rates by State

Birth data by race and by Hispanic origin for 1997 are shown in **tables 10–12** for the 50 States and the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and American Samoa. The American Indian, Asian or Pacific Islander (API) and Hispanic populations (and Hispanic subgroups) are highly concentrated geographically.

The **number of births** increased in 28 States and Puerto Rico, the Virgin Islands, and Guam and declined in 22 States and the District of Columbia. Increases and declines of up to 2 percent were found in 41 of the States, Puerto Rico, and Guam. The number increased 4 percent in Georgia and Oklahoma and 6 percent in the Virgin Islands and declined 6 percent in Hawaii and the District of Columbia.

Crude birth rates by State ranged from 11 births per 1,000 population (Maine, Vermont, and West Virginia) to 21 per 1,000 (Utah) (**table 10**). Birth rates per 1,000 total population declined in 32 States and the District of Columbia, increased in 9 States, Puerto Rico, the Virgin Islands, and Guam, and were unchanged in 9 States; changes were no more than 2 percent in most States. Changes were not significant in 29 of the States and the District of Columbia or in Puerto Rico, the Virgin Islands, and Guam. Statistically significant declines of 4 to 5 percent were recorded for California, Hawaii, and South Dakota, whereas Oklahoma recorded a significant increase of 4 percent.

Fertility rates per 1,000 women aged 15–44 years ranged from a low of 50 (Maine and Vermont) to a high of 89 (Utah) (**table 10**). Rates declined in 21 States and the District of Columbia, increased in 25 States, Puerto Rico, the Virgin Islands, and Guam, and were unchanged in 4 States. Changes in most States were no more than 2 percent and were not statistically significant in 33 States and the District of Columbia, Puerto Rico, the Virgin Islands, and Guam. Significant declines of 5 percent each were reported for Hawaii and South Dakota, while a 4-percent increase was found for Oklahoma.

State-specific **total fertility rates** for 1997 are shown in **table 10**. These rates provide a summary measure of lifetime fertility at the State level; rates for 1980, 1990, and 1996 have been published (17–19). Rates by State for 1997 vary substantially, from a low of 1,573.5 (or 1.57 births per woman) for Vermont to a high of 2,632.0 (2.63 births per woman) for Utah. Differences in the TFR's and changes between 1996 and 1997 by State are quite similar to those in the general fertility rate.

Birth rates for teenagers

Birth rates for teenagers by age group and State are shown for 1997 in table 10. Rates per 1,000 women aged 15–19 years ranged by State from 26.9 (Vermont) to 73.7 (Mississippi). The highest rate was reported for Guam, 106.3. Birth rates for teenagers have been declining in the United States since 1991. Between 1991 and 1997, teenage birth rates fell in all States and the District of Columbia and the Virgin Islands; declines were statistically significant in all States except for Rhode Island (**table B**). Declines exceeded 20.0 percent in 10 States and the District of Columbia. More detailed information on current trends and variations in State-specific teenage birth rates by age, race, and Hispanic origin is presented in a recent report (6).

Sex ratio

There were 1,985,596 male live births in 1997 compared with 1,895,298 female live births. These numbers yielded a sex ratio of

Table B. Birth rates for teenagers 15–19 years by State, 1991 and 1997, and percent change, 1991–97: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa

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

State	1991	1997	Percent change, 1991–97	State	1991	1997	Percent change, 1991–97
United States[1]	62.1	52.3	–15.8	Nebraska	42.4	37.2	–12.3
				Nevada	75.3	67.7	–10.1
Alabama	73.9	66.6	–9.9	New Hampshire	33.3	28.6	–14.1
Alaska	65.4	44.6	–31.8	New Jersey	41.6	35.0	–15.9
Arizona	80.7	69.7	–13.6	New Mexico	79.8	68.4	–14.3
Arkansas	79.8	72.9	–8.6	New York	46.0	38.8	–15.7
California	74.7	57.3	–23.3	North Carolina	70.5	61.3	–13.0
Colorado	58.2	48.2	–17.2	North Dakota	35.6	30.1	–15.4
Connecticut	40.4	36.1	–10.6	Ohio	60.5	49.8	–17.7
Delaware	61.1	55.8	–8.7	Oklahoma	72.1	64.3	–10.8
District of Columbia	114.4	91.0	–20.5	Oregon	54.9	46.9	–14.6
Florida	68.8	57.7	–16.1	Pennsylvania	46.9	37.3	–20.5
Georgia	76.3	67.2	–11.9	Rhode Island	45.4	42.7	–5.9**
Hawaii	58.7	43.8	–25.4	South Carolina	72.9	61.4	–15.8
Idaho	53.9	43.3	–19.7	South Dakota	47.5	39.7	–16.4
Illinois	64.8	54.7	–15.6	Tennessee	75.2	64.5	–14.2
Indiana	60.5	54.2	–10.4	Texas	78.9	71.7	–9.1
Iowa	42.6	35.7	–16.2	Utah	48.2	42.6	–11.6
Kansas	55.4	48.5	–12.5	Vermont	39.2	26.9	–31.4
Kentucky	68.9	59.6	–13.5	Virginia	53.5	44.2	–17.4
Louisiana	76.1	66.3	–12.9	Washington	53.7	42.5	–20.9
Maine	43.5	32.0	–26.4	West Virginia	57.8	49.1	–15.1
Maryland	54.3	43.9	–19.2	Wisconsin	43.7	35.9	–17.8
Massachusetts	37.8	31.7	–16.1	Wyoming	54.2	43.3	–20.1
Michigan	59.0	43.9	–25.6				
Minnesota	37.3	32.0	–14.2	Puerto Rico	72.4	77.8	7.5
Mississippi	85.6	73.7	–13.9	Virgin Islands	77.9	66.0	–15.3
Missouri	64.5	51.5	–20.2	Guam	95.7	106.3	11.1**
Montana	46.7	37.6	–19.5	American Samoa	---	43.9	---

** Not significant at $p < 0.05$.

--- Data not available.

[1] Excludes data for Puerto Rico, Virgin Islands, Guam, and American Samoa.

1,048 male per 1,000 female live births (**tables 13 and 14**). The sex ratio has changed very little over the last 50 years and was 1,047 in 1996. Similar to previous years, Asian or Pacific Islander mothers had the highest sex ratio (1,072), followed by non-Hispanic white mothers (1,052), Hispanic mothers (1,040), American Indian mothers (1,036), and non-Hispanic black mothers (1,031).

Month of birth

Monthly birth rates in 8 months of 1997 were below the rates for the same months observed in 1996. The peak months of occurrence of births in 1997 were July, August, and September (**table 15**). When the seasonal component is removed from the monthly birth rates, the underlying trends can be observed. All months except for April, June, and December had the lowest seasonally adjusted birth rates in at least 20 years. The rate for August 1997 was the lowest observed in the more than 60 years for which monthly seasonal adjustments are available (3, 20).

Day of the week of birth

Variation in the daily pattern of births can be measured by an index of occurrence. In 1997 the Sunday index was 73.2, an indication that there were nearly 27 percent fewer births on Sundays than the daily average, considered to be 100.0. The Saturday index was 81.5. As in past years, births occurred most frequently on Tuesdays with an index of 113.8 in 1997 (**table 16**).

A weekend deficit is apparent for vaginal and cesarean deliveries, but is far larger for cesarean deliveries, particularly repeat cesareans. In 1997 the Sunday index for vaginal births was 78.2, compared with 63.9 for primary cesareans and 37.7 for repeat cesareans.

Births to unmarried women

The **birth rate for unmarried women** in 1997 was 44.0 births per 1,000 unmarried women aged 15–44 years, 2 percent lower than in 1996 (44.8), and 6 percent below its highest level, 46.9 in 1994. The **number of births to unmarried women** declined slightly, to 1,257,444 in 1997. The **percent of all births occurring to unmarried women** was unchanged at 32.4 percent in 1997. (See **table C and tables 17 and 18.**)

The procedures for reporting the mother's marital status changed in California, Nevada, and New York City beginning January 1, 1997. California and Nevada now report the mother's marital status from a direct question. The question is on the California birth certificate. Nevada obtains this information from the electronic birth registration process; the question does not appear on certified or paper copies of the Nevada certificate. New York City infers marital status and changed its procedures beginning in 1997. The reporting changes in California and New York City, which account for 17 percent of U.S. births, are

Table C. Number, rate, and percent of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–97

Year	Births to unmarried women			Birth rate for married women[3]
	Number	Rate[1]	Percent[2]	
1997	1,257,444	44.0	32.4	84.3
1996	1,260,306	44.8	32.4	83.7
1995	1,253,976	45.1	32.2	83.7
1994	1,289,592	46.9	32.6	83.8
1993	1,240,172	45.3	31.0	86.8
1992	1,224,876	45.2	30.1	89.0
1991	1,213,769	45.2	29.5	89.9
1990	1,165,384	43.8	28.0	93.2
1989	1,094,169	41.6	27.1	91.9
1988	1,005,299	38.5	25.7	90.8
1987	933,013	36.0	24.5	90.0
1986	878,477	34.2	23.4	90.7
1985	828,174	32.8	22.0	93.3
1980	665,747	29.4	18.4	97.0

[1]Births to unmarried women per 1,000 unmarried women aged 15–44 years.
[2]Percent of all births to unmarried women.
[3]Births to married women per 1,000 married women aged 15–44 years.

discussed in some detail in this section (and the Technical notes) because of their potential impact on national statistics on births to unmarried women. Prior to 1997, the mother's marital status was inferred in California by comparing the surnames of the mother, father, and child. Beginning in 1997, two changes were implemented. First, a law went into effect mandating that the father's name could not be included on the birth certificate unless the parents were married or a paternity affidavit was filed. Second, a direct question on the mother's marital status, similar to the one in effect in most other States, was added to the California birth certificate (see Technical notes). Reporting procedures for marital status in California, as well as the procedures in Nevada, are now essentially the same as those in most other States.

The mother's marital status is inferred in New York City, but the procedures for inferring this information changed beginning in 1997. Beginning in 1997, the mother is assumed to be unmarried if the father's name is missing from the birth certificate, or if a paternity affidavit was filed; these are the same procedures that have been in effect in the balance of New York for many years. Prior to 1997, the inferential criteria in New York City had also included a comparison of the surnames of the mother and father.

A comparison of the changes in nonmarital births for the entire United States and for California and New York City separately shows that these changes had little impact on the national totals and relatively little impact on the total numbers for California. As a direct result of the reporting changes in California, the national numbers and proportions of nonmarital births tended to increase for women aged 15–24 years and to decline for women aged 25 years and over. When the inferential procedures were in effect prior to 1997, births to older women who had retained their birth surname after marriage were often erroneously inferred as nonmarital because the parents' current surnames did not match. For California, the changes in nonmarital birth patterns by age were compensating, so that the overall levels of nonmarital births are only modestly higher in 1997 compared with 1996. There is a similar effect for Nevada, although the percent unmarried based on the direct question is somewhat lower than the percent based on the inferential procedures; see Technical notes. The reporting changes in New York City affected the overall data and the data by age, with large decreases found for all age groups. If these reporting changes had not occurred, statistics for nonmarital births would have been unchanged in New York City (21, 22). It is important to note that as a result of the changes implemented by California, Nevada, and New York City, their birth data by marital status are more accurate in 1997 than in prior years. The factors affecting the birth data by marital status are discussed in more detail in the Technical notes.

Birth rates for unmarried women vary considerably by race and Hispanic origin. In 1997 the rates per 1,000 unmarried women were 27.0 per 1,000 for non-Hispanic white women, 73.4 for black women, and 91.4 for Hispanic women. The birth rate for unmarried black women has declined 19 percent since 1989 (90.7). The birth rate for unmarried Hispanic women in 1997, 91.4 per 1,000, was at its lowest level since 1990 (89.6).

Birth rates for unmarried women by age continue to be highest for women aged 18–19 and 20–24 years, followed closely by women aged 25–29 years (**figure 3**). Rates for younger teenagers and women in age groups 30 years and over are considerably lower (tables 17 and 18). Among teenagers and women aged 20–24 years, rates for unmarried black and Hispanic women on average were 3 to 4 times the rates for non-Hispanic white women in the same age groups. Among age groups 25–29 years and over, rates were considerably higher for Hispanic women than for black or non-Hispanic white women.

Changes in age-specific birth rates for unmarried women have been affected by the changes in reporting procedures for California and New York City described above. However, in most cases, the one-year changes for 1996–97 reinforce and enhance changes already underway since 1994. Therefore this summary of trends will focus on the longer-term changes since 1994. The birth rates for unmarried teenagers 15–17 and 18–19 years declined 12 and 7 percent, respectively, from 1994. The rate for young black teenagers has dropped steeply, by 19 percent since 1994. Birth rates for women in age groups 20–24 through 40–44 years have fluctuated since 1994; rates in 1997 were 2 to 5 percent lower than in 1994. These patterns were generally found for all population groups.

The **proportion of all births occurring to unmarried women** was unchanged at 32.4 percent in 1997. The proportions for subgroups in 1997 were 21.5 percent, non-Hispanic white; 69.4 percent, non-Hispanic black; and 40.9 percent, Hispanic; each changed very little in recent years (see tables 13, 14, 17, and 19 for 1997 data).

Changes in the proportion of births to unmarried women are affected by trends in birth rates for married as well as unmarried women, and the number of unmarried women (**table C**). The proportion of births to unmarried women has changed very little since 1994 even though the number and rate of births for unmarried women have generally declined, because total births— mostly births to married women—have also declined. Trends in the factors affecting the proportion of births to unmarried women should be kept in mind when examining trends in the proportion (23).

The **numbers and proportions of births to unmarried women by State** and by race and Hispanic origin for 1997 are shown in **table 19** for the 50 States and the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and American Samoa. The numbers increased in 32 States, Puerto Rico, the Virgin Islands, and Guam and declined in 18

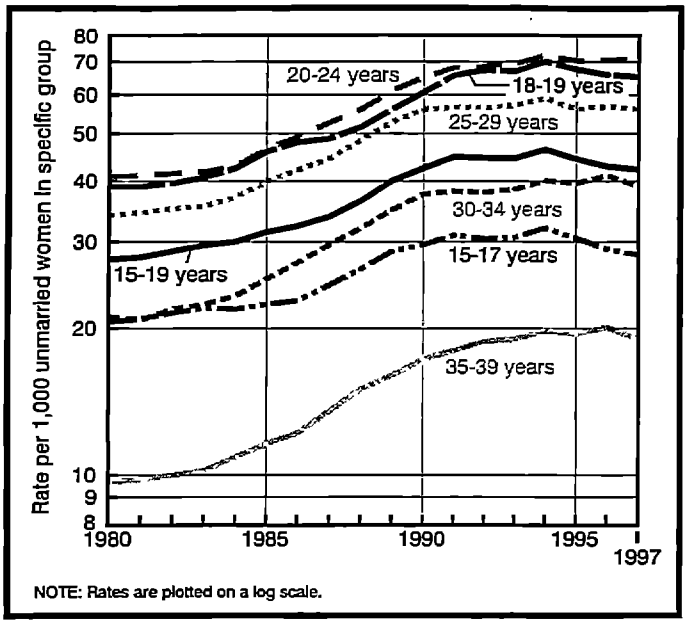


Figure 3. Birth rates for unmarried women, by age of mother: United States, 1980–97

States and the District of Columbia. Similarly, increases in the proportions exceeded declines: the proportion increased in 32 States, Puerto Rico, the Virgin Islands, and Guam, declined in 15 States and the District of Columbia, and was unchanged in three States.

Age of father

The **birth rate per 1,000 men aged 15–54 years** declined for the seventh straight year in 1997 to 50.4 (**table 20**). This rate fell by 14 percent between 1990 and 1997, following a 7-percent increase during 1986–90. Information on age of father is often missing on birth certificates of children born to unmarried women. Age of father was not reported for 15 percent of births in 1997. The procedures for computing birth rates by age of father are described in the Technical notes.

Educational attainment

The educational attainment of women who give birth is important because higher educational attainment is associated with more timely receipt of prenatal care and fewer lifestyle and health behaviors that are detrimental to birth outcome (discussed in later sections).

Data from the birth certificate show that the educational attainment of women who gave birth increased substantially over the last few decades, partly reflecting the increases in educational attainment of all women during the time period (24). More than three-fourths of women who gave birth in 1997 had at least 12 years of schooling (78 percent) and 23 percent had at least 4 years of college (**table 21**). The percent of mothers with at least a high school diploma increased with advancing age, to 90 percent for women who gave birth in their thirties, and then declined slightly for mothers 40 years of age and over (88 percent). The percent of mothers with at least 4 years of college was highest for mothers 35 years of age and over (42 percent). The median educational attainment for all mothers in 1997 was 12.8 years.

There is considerable variation in educational attainment among race and Hispanic origin groups. Among women giving birth in 1997, 87 percent of non-Hispanic white mothers had completed high school, compared with 73 percent of non-Hispanic black mothers, and 50 percent of Hispanic mothers. Although the overall proportion of Hispanic mothers with at least 12 years of schooling was low, there was tremendous variation among Hispanic subgroups, ranging from 44 percent of Mexican mothers to 86 percent of Cuban mothers (**table 14**). Thirty percent of non-Hispanic white mothers had at least 4 years of college compared with 11 percent of non-Hispanic black mothers and 7 percent of Hispanic mothers. Only two-thirds of American Indian mothers had 12 or more years of schooling, whereas nearly all Japanese (98 percent) and Filipino mothers (93 percent) had attained this educational level, the highest of any group (**table 13**).

Maternal lifestyle and health characteristics

Weight gain

Maternal weight gain is one of the components in the complex relationship between lifestyle characteristics of the mother and the development of the fetus (25). In 1990 the National Academy of Sciences published weight-gain guidelines that varied according to mother's body mass index (BMI), which is calculated from her prepregnancy weight and height. The guidelines recommend that women who are underweight (low BMI) gain 28–40 pounds, those who are of normal weight (average BMI) gain 25–35 pounds, those who are overweight (high BMI), 15–25 pounds, and obese women, not more than 15 pounds (26).

Information on maternal weight gain is collected on the birth certificate, but information on the mother's prepregnancy weight and height is not. Therefore, it is not possible to determine whether the weight gain was within the recommendations for the mother's BMI. Differences between subgroups in maternal weight gain may reflect differences in the proportion of mothers who gained outside the recommended range but could also be the result of group differences in maternal height and prepregnancy weight.

In 1997 all States except California reported information on weight gain. Births to mothers residing in these States accounted for 86 percent of all births in the United States. In 1997 the majority of women (64 percent) gained 26 pounds or more during pregnancy (**table 22**). The **median weight gain** was 30.5 pounds in 1997 and changed very little during the 1989–97 period. Despite the consistency of the median weight gain, the percent of mothers who gained at either end of the weight gain spectrum was higher in 1997 than in 1989—weight gains of less than 16 pounds increased from 9.4 percent in 1989 to 11.1 percent in 1997 while weight gains of 46 pounds or more increased from 9.1 percent in 1989 to 11.4 percent in 1997.

The **weight gain of the mother during pregnancy varied considerably by period of gestation.** Mothers who had preterm infants (gestations of under 37 completed weeks) gained about 3 pounds less during pregnancy (27.4 pounds) than mothers who had babies with gestations of 40 weeks and over (30.8 pounds). The median weight gain for non-Hispanic white women (30.8 pounds) was about a pound higher than for either non-Hispanic black women (29.6 pounds) or Hispanic women (29.8 pounds).

The percent of non-Hispanic black, American Indian, and Mexican mothers who had weight gains of less than 16 pounds (16.7, 15.3, and

14.8 percent, respectively) was much higher than for Chinese (6.4 percent), Cuban (7.3 percent), Filipino (8.4 percent), or non-Hispanic white mothers (9.4 percent) (**tables 24 and 25**). These differences in weight gain are reflected in differences among groups in the percent of births born preterm. Data on weight gain for Hawaiians (table 24) are unreliable because of incomplete reporting in Hawaii.

Within Hispanic subgroups, the percent of Mexican mothers who gained less than 16 pounds (14.8 percent) was twice as high as for Cuban mothers (7.3 percent) while the remaining groups were intermediate (**table 25**).

Maternal weight gain has been shown to have a positive correlation with the birthweight of the infant (27). This relationship is substantiated by the data in **table 23**. The percent of infants with low birthweight drops steadily with increasing weight gain through 45 pounds, from 14.5 to 4.8 percent, and then increases slightly for mothers who gained 46 pounds or more (5.3 percent). This pattern is generally replicated when the data are examined according to the period of gestation.

Medical risk factors

Maternal medical risk factors can severely complicate pregnancy and result in poor birth outcomes, particularly when not adequately treated (28–30). Sixteen medical risk factors affecting pregnancy are separately identified on the birth certificate. Although data for this item were missing from only 1.2 percent of records for 1997, birth certificate data may underreport medical risk factor prevalence (31). Also, rates for less common medical risk factors and for smaller population groups can vary widely from year to year and should be used with caution.

The rate of **pregnancy-associated hypertension**, the most frequently reported medical risk factor, rose for the sixth consecutive year, from 35.9 to 36.8 per 1,000 for 1996–97. (See **table 26** for 1997 data.) The rate for this risk factor has risen among all age and race and ethnic groups since the early 1990's. Rates for the related hypertensive disorders, **chronic hypertension and eclampsia**, were largely unchanged for 1997, at 6.9 and 3.3 per 1,000, respectively, and have not risen notably during the 1990's.

Diabetes and **anemia** are the second and third most frequently reported complications of pregnancy. The diabetes rate was 26.4 per 1,000 for the current year compared with 26.3 for 1996, and the anemia rate was 20.2, compared with 19.6 per 1,000.

The prevalence of acute or chronic **lung disease** (e.g., asthma, tuberculosis) was 9.7 per 1,000 for 1997, higher than the 1996 level of 8.3. Although still quite rare, the level of lung disease has more than tripled since 1990 (3.0) with large increases found among all age and racial/ethnic groups. The reported rate of **hydramnios/oligohydramnios** (the excess or shortage of amniotic fluid) has also been on the rise since data on this risk factor first became available and has more than doubled during the 1990's (from 5.9 to 13.0 between 1990 and 1997).

Medical risk factor rates often differ widely by **maternal age**. Anemia, for example, is more common among younger mothers (28.6 for mothers under 20 years of age compared with 17.3 for mothers 40 years of age and over), but younger mothers are much less likely to have chronic conditions such as diabetes (8.2 compared with 64.9). Some risk factors, however, such as pregnancy-associated hypertension, follow a U-shaped pattern, with the highest levels at the extremes of the maternal age distribution.

Medical risk factors during pregnancy can also vary greatly by **race/ethnicity**. For example, for 1997, pregnancy-associated hypertension complicated nearly 5 percent of American Indian pregnancies, but less than 2 percent of Japanese (**tables 27 and 28**).

Tobacco use during pregnancy

Smoking during pregnancy continued to decline according to birth certificate data. In 1997, 13.2 percent of women giving birth were reported to have smoked, down 3 percent compared with 1996 (13.6 percent) and 32 percent since 1989 (19.5 percent), when this information first became available on the birth certificate (32). Tobacco use was reported in a comparable manner on the birth certificate in 1997 by 46 States, the District of Columbia, and New York City, comprising 80 percent of U.S. births. Comparable information was not available for California, Indiana, South Dakota, and the remainder of New York State. (See **tables 24, 25, and 29–32** for 1997 data.)

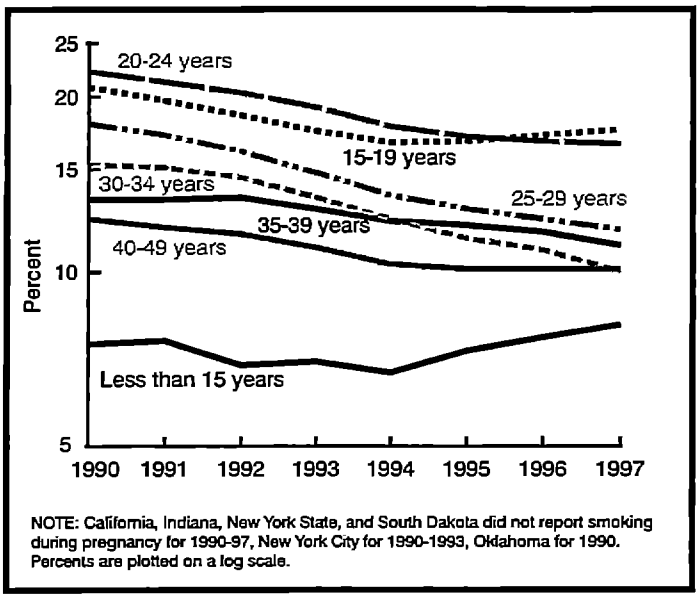
Some studies have suggested that smoking may be underreported on birth certificates due to a variety of factors, including the lack of a specific time reference for smoking status, variations in the source of this information for each birth, and the growing stigma associated with smoking (33–36). Nevertheless, trends in maternal smoking based on the birth certificate are generally consistent with those reported for recent years from the National Survey of Family Growth, and variations in smoking among population subgroups found in birth certificate data have been corroborated in other studies (7, 37–39).

Tobacco use during pregnancy is associated with a variety of adverse outcomes, including low birthweight, intrauterine growth retardation, and infant mortality, as well as negative consequences for child health and development (40–42).

Maternal smoking declined or was unchanged in most racial and Hispanic origin groups; smoking rates increased for Chinese and Hawaiian women. As in previous years, rates were highest for non-Hispanic white, American Indian, and Hawaiian women, and lowest for Mexican, Cuban, Central and South American, and Asian or Pacific Islander women (API) (except Hawaiian) (**tables 24 and 25**). The generally very low smoking rates found for Mexican, Central and South American, Chinese, and Filipino women from birth certificate data have been confirmed by other studies (38, 39). Women born in the 50 States and the District of Columbia had substantially higher smoking rates than women born outside these areas, a pattern that has been described elsewhere (**tables 24 and 25**) (43).

Maternal smoking among teenagers rose about 2 percent overall, the third consecutive year of increase (**figure 4**) (35). The smoking rate among non-Hispanic black teenagers 15–19 years rose 12 percent from 1996 to 1997 (6.6 percent) and has increased by one-third since 1994 (5.0 percent) (see **table 30** for 1997 data). The rate for non-Hispanic white teenagers increased 2 percent (29.2 percent); their rates are 4 to 5 times the rates for non-Hispanic black teenagers. Non-Hispanic white women aged 18–19 years had the highest smoking rate of any group, 29.6 percent (**table 30**). Smoking rates rose as well in 1997 for Puerto Rican teenagers. Smoking during pregnancy generally declined for women in age groups 20–39 years. Patterns of smoking rates and trends by age, race, and Hispanic origin are described in detail in a recent NCHS report (35).

Among smokers, the **proportion smoking at least half a pack of cigarettes daily** has declined steadily in recent years—to 32 percent in 1997 (compared with 42 percent in 1989) (32). Non-Hispanic white



NOTE: California, Indiana, New York State, and South Dakota did not report smoking during pregnancy for 1990-97, New York City for 1990-1993, Oklahoma for 1990. Percents are plotted on a log scale.

Figure 4. Percent of mothers who smoked during pregnancy by age: Total reporting areas, 1990–97

mothers and older mothers are more likely than other mothers to smoke half a pack or more (**tables 29 and 31**).

Rates of **smoking by maternal educational attainment** are persistently highest for women with 9–11 years of education, 26 percent in 1997, and lowest for women with 4 years or more of college, 2 percent (**table 31**). Even among women aged 20 years and over, smoking rates were highest for mothers who attended but did not graduate from high school—30 percent overall and 48 percent of non-Hispanic white women (tabular data not shown).

Babies born to mothers who smoke during pregnancy are at greatly elevated risk of low birthweight (LBW), a finding documented in birth certificate data as well as in numerous other studies (40, 44, 45). In 1997, 12.1 percent of infants born to smokers weighed less than 2,500 grams (5 lb 8 oz) compared with 7.1 percent of births to nonsmokers (**table 32**). This substantial differential is found for every race and Hispanic origin group. The LBW risk is heightened as the number of cigarettes increases, although LBW is elevated even among babies born to the lightest smokers (one to five cigarettes daily), 10.9 percent (tabular data not shown). Advancing maternal age exacerbates the risk, probably a consequence of the much greater cigarette consumption among older women (**table 29**).

Alcohol use during pregnancy

Pregnancy and birth outcome can be jeopardized by maternal alcohol use during pregnancy. Even low-to-moderate alcohol use has been shown to compromise birth outcome, independent of other risk factors such as tobacco use and other maternal risk factors (46, 47). All States except California and South Dakota included items on alcohol use on their birth certificates in 1997. This reporting area accounted for 86 percent of U.S. births.

Alcohol use during pregnancy is substantially underreported on the birth certificate (31). According to birth certificate data, alcohol use declined again in 1997 to just 1.2 percent of mothers reporting any alcohol use compared with 1.4 percent in 1996 and 4.1 percent in 1989, the first year this information was reported on the birth certificates (see **tables 24 and 25** for 1997 data) (19, 32). A recent study based on an analysis of responses by nearly 6,000 pregnant women in the Center for Disease Control and Prevention's nationally representative Behavioral Risk Factor Surveillance System, found that about 15 percent of women used alcohol during pregnancy in 1995. The researchers also reported that alcohol use declined from 1988 (23 percent) to 1992 (10 percent) before rising to 15 percent in 1995 (48).

The nature of the birth certificate questions on alcohol use apparently contribute to the underreporting because they focus on the number of drinks per week, whereas other studies inquire about drinks per month. Women who drink one to two drinks per month may believe that their alcohol consumption is too little to report in response to the birth certificate questions. The stigma associated with alcohol use also contributes to the underreporting (25, 48).

Medical services utilization

Prenatal care

The percent of women beginning **prenatal care in the first trimester** of pregnancy rose to 82.5 for 1997, from 81.9 in 1996. Essentially stagnant during the 1980's, first trimester care has risen from 75.5 percent since 1989 (**table D**). The proportion of mothers **with delayed (care beginning in the third trimester) or no care**, was 3.9 percent for the current year, compared with 4.0 percent for 1996. The proportion of women with late or no care worsened during the 1980's, but has improved from the high of 6.4 percent reported for 1989 (49). (See **tables 33–35** for 1997 data.)

The effects of prenatal care are difficult to measure (50, 51), but early competent care can promote healthier pregnancies by detecting and managing preexisting medical conditions, providing health behavior advice, and assessing the risk of poor pregnancy outcome (52). Prenatal care can also be vital to maternal health and can serve as a gateway into the health care system, especially for socially disadvantaged women (51).

According to the **Adequacy of Prenatal Care Utilization Index** (APNCU), an alternative measure of prenatal care utilization (53), the

Table D. First trimester prenatal care by race and Hispanic origin of mother: United States, 1970, 1975, 1980, 1985, 1990–97

Year	All races[1]	Non-Hispanic		Hispanic[2]
		White	Black	
1997	82.5	87.9	72.3	73.7
1996	81.9	87.4	71.5	72.2
1995	81.3	87.1	70.4	70.8
1994	80.2	86.5	68.3	68.9
1993	78.9	85.6	66.1	66.6
1992	77.7	84.9	64.0	64.2
1991	76.2	83.7	61.9	61.0
1990	75.8	83.3	60.7	60.2
1989	75.5	82.7	59.9	59.5
1985	76.2	---	---	---
1980	76.3	---	---	---
1975	72.4	---	---	---
1970	68.0	---	---	---

--- Data not available.
[1]Includes races other than white and black and origin not stated.
[2]Includes all persons of Hispanic origin of any race.

rise in prenatal care use for 1996–97 occurred among mothers with intensive use of care (women for whom the number of visits exceeded the American College of Obstetricians and Gynecologists recommendations by a ratio of observed-to-expected visits of at least 110 percent). (See **table E.**) Based on the APNCU, intensive use of prenatal care has risen 67 percent from 18.4 to 30.7 percent since 1981 (the first year comparable data on period of gestation used to compute this index became available), adequate care (not including intensive use of care) has declined 4 percent (from 45.1 to 43.5 percent), and less than adequate care has declined 29 percent (from 36.5 to 25.9 percent) (54).

Gains in the proportion of mothers with care beginning in the first trimester of pregnancy were observed for the current year among most **race and ethnic groups** (levels for Japanese and Hawaiian mothers did not rise for 1997). Improvement continues to be most pronounced among those with less favorable levels of care, somewhat reducing the considerable disparity among groups (**figure 5**). Since 1989 first trimester care has risen by more than 20 percent among Mexican (from 56.7 to 72.1 percent), Central and South American (from 60.8 to 76.9 percent), Puerto Rican (from 62.7 to 76.5 percent), and non-Hispanic black mothers (from 59.9 to 72.3 percent); and by less than 10 percent among Cuban (83.2 to 90.4 percent), Japanese (86.2 to 89.3 percent), and non-Hispanic white mothers (82.7 to 87.9 percent). (See **tables 24 and 25** for 1997 data.)

Most States reported higher levels of first trimester care for 1997 compared with 1996. Four New England States reported the highest proportions of mothers with first trimester care (89–90 percent), and the lowest proportions of mothers with late or no care (less than 2 percent) for 1997: Connecticut, Maine, New Hampshire, and Rhode Island (**table 34**).

Obstetric procedures

Six specific obstetric procedures are reported on the birth certificate. It has been shown that these procedures may be underreported on the birth certificate (31, 55). The most prevalent obstetric procedure in 1997 was **electronic fetal monitoring**, reported for over 3.2 million births, or 83 percent of all live births (**table 36**).

According to data from the birth certificate, 64 percent of mothers who had live births in 1997 received ultrasound. The overall rates of stimulation of labor and induction of labor in 1997 were 174 and 184, respectively, per 1,000 live births. The rates of both of these procedures have been rising annually since 1989 (56).

Table E. Adequacy of Prenatal Care Utilization Index: United States, 1981, 1985, 1990, and 1995–97

Year	Intensive Use	Adequate	Intermediate	Inadequate	No care
1997	30.7	43.5	16.3	8.4	1.2
1996	29.3	43.8	17.1	8.7	1.1
1995[1]	28.8	43.9	17.2	8.9	1.2
1990[1]	24.6	42.6	19.1	11.8	1.9
1985[1]	21.1	44.8	21.0	11.6	1.5
1981[1]	18.4	45.1	23.2	12.0	1.3

[1]See reference 54 for detailed data on trends.

NOTE: See reference 53 for information on calculation of this measure.

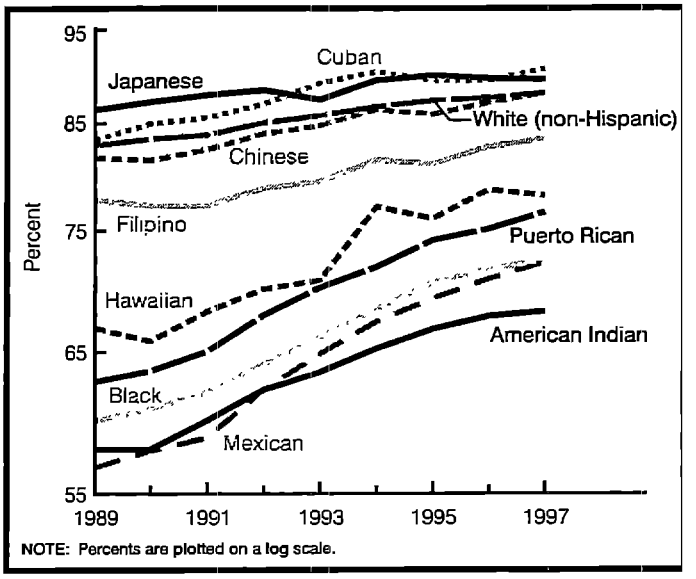


Figure 5. Percent of mothers with first trimester prenatal care by race and Hispanic origin of mother: United States, 1989–97

Complications of labor and/or delivery

Of the 15 reported complications of labor and/or delivery, 3 were reported at a rate greater than or equal to 30 per 1,000 live births in 1997: Meconium, moderate/heavy (56 per 1,000), fetal distress (40 per 1,000), and breech/malpresentation (38 per 1,000) (**table 37**). Rates for these three complications varied by race and Hispanic origin (**tables 27 and 28**). It has been shown that levels of these complications may be underreported on the birth certificate (55).

Attendant at birth and place of delivery

More than 9 out of 10 births in 1997 (92.3 percent) were attended by a physician in a hospital, making this arrangement by far the most typical (**table 38**). However, the percent of births attended by a physician in a hospital was slightly lower in 1997 than in 1996 (92.9 percent) and has declined from 98.4 percent in 1975. For physician-attended births, 4 percent were by doctors of osteopathy (DO's) while the remaining were attended by doctors of medicine (MD's). Although small, the number and percent of births attended by DO's has grown steadily since 1989, the first year data on DO's were available from the birth certificate. The percent of births attended by **midwives** increased sharply between 1975 (1.0 percent) and 1997 (7.0 percent). About 95 percent of midwife-attended births in 1997 were by **certified nurse midwives (CNM's).**

About 99 percent of births in 1997 were delivered in hospitals, almost unchanged from the 1975 level. The majority of out-of-hospital births were in a residence (64 percent) while 28 percent were in a **freestanding birthing center.**

About 93 percent of births to non-Hispanic white women were attended by a physician in a hospital compared with about 92 percent of births to non-Hispanic black women and 90 percent of births to Hispanic women. Hispanic women were more likely to have midwife-attended hospital births (9 percent) than were either non-Hispanic black women (7 percent) or non-Hispanic white women (6 percent).

Method of delivery

The **rate of cesarean delivery** increased slightly between 1996 and 1997 (from 20.7 per 100 live births to 20.8) after falling each year during 1989–96 (**table F and table 39**). The 1997 rate was 9 percent lower than the rate of 22.8 in 1989, the first year this information was available on the birth certificate. The **primary cesarean rate** (first cesareans per 100 live births to women who had no previous cesarean) was unchanged between 1996 and 1997, at 14.6, after falling each year during 1989–96. The primary rate in 1997 was 9 percent lower than in 1989 (16.1). Concomitant with the decline in cesarean rates during the 1989–96 period was a 50-percent increase in the rate of **vaginal birth after previous cesarean delivery** (VBAC)—from 18.9 in 1989 to 28.3 in 1996. However, in 1997 the rate dropped to 27.4, a 3-percent decline from 1996.

Overall cesarean rates increased steadily by age of the mother and were more than twice as high for mothers 40–54 years of age (32.4) as for teenagers (14.3) (**table 40**). Primary cesarean rates increased with additional age after ages 20–24 years, to 22.6 for women 40–54 years of age. VBAC rates declined with increasing age—a third of teenagers who had a previous cesarean had a VBAC delivery (33.4 percent) compared with 20.5 percent of mothers 40–54 years of age.

Total and primary cesarean rates declined or held steady in 1997 compared with 1996 for all age groups under 30 years but increased between the 2 years for mothers in age groups of 30 years of age and over. All age groups experienced declines in VBAC rates between 1996 and 1997. Non-Hispanic black women had a higher cesarean rate in 1997 (21.8 per 100 live births) than either non-Hispanic white women (20.9) or Hispanic women (20.2). Similarly, the primary cesarean rate for non-Hispanic black women (15.6) was higher than the rate for non-Hispanic white women (14.8) and Hispanic women (13.4). The VBAC rate in 1997 was highest for non-Hispanic white women (28.5), lowest for Hispanic women (23.5), and intermediate for non-Hispanic black women (26.4).

Japanese, American Indian, Hawaiian, and Chinese mothers had lower cesarean rates (ranging from 15.1 to 19.1 per 100 live births) than Puerto Rican, non-Hispanic white, non-Hispanic black, Filipino, or Cuban mothers (ranging from 20.8 to 30.5) (**tables 24 and 25**).

Table F. Total and primary cesarean rates and vaginal birth after previous cesarean delivery rates: United States, 1989–97

Year	Cesarean rate		VBAC rate[3]
	Total[1]	Primary[2]	
1997	20.8	14.6	27.4
1996	20.7	14.6	28.3
1995	20.8	14.7	27.5
1994	21.2	14.9	26.3
1993	21.8	15.3	24.3
1992	22.3	15.6	22.6
1991	22.6	15.9	21.3
1990	22.7	16.0	19.9
1989	22.8	16.1	18.9

[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 (VBAC) delivery per 100 live births to women with a previous cesarean delivery.

There was **considerable variation in cesarean rates by State** ranging from a high of 26.7 per 100 live births in Mississippi to a low of 15.3 in Colorado (**table 41**). The rate for Puerto Rico was 33.4. There was also considerable variation in VBAC rates by State. Data for Hawaii (**table 41**) and for Hawaiian births (**table 24**) are unreliable because of incomplete reporting.

All of the selected medical risk factors in **table 42** were associated with overall cesarean rates that were higher than the national average. Cesarean rates for the medical risk factors ranged from 21.7 per 100 live births for mothers with Rh sensitization to 48.0 for mothers with eclampsia. Certain complications of labor and/or delivery are also associated with high cesarean rates. Nearly all births with cephalopelvic disproportion were cesarean deliveries (96.2), and the cesarean rates for breech/malpresentation (84.5) and placenta previa (82.0) were also very high.

During the 1989–97 period, the percent of births that were delivered by either forceps or vacuum extraction remained steady at about 9 percent. During that period, however, there was a shift as the number and percent of births delivered by forceps declined each year, whereas the use of vacuum extraction consistently increased. In 1997, 2.8 percent of births were delivered by forceps compared with 5.5 percent in 1989—a 49-percent decline. Vacuum extraction was used in 6.2 percent of births in 1997, a 77-percent increase compared with 1989 (3.5 percent).

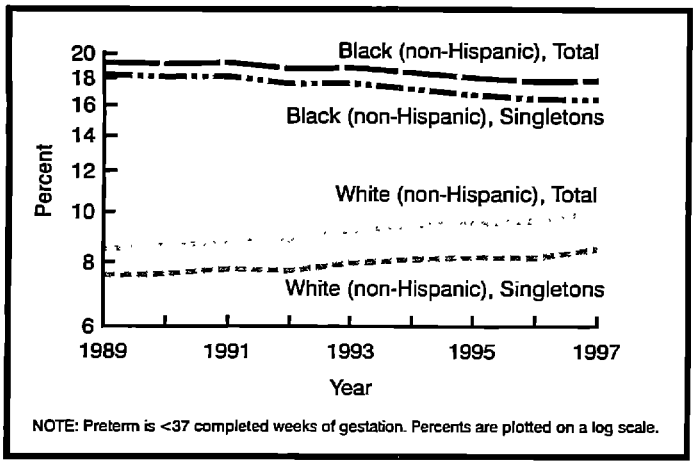
Infant health characteristics

Period of gestation

The **preterm birth rate** rose sharply for 1996–97, from 11.0 to 11.4 percent. The proportion of preterm births (infants born prior to 37 completed weeks of gestation) has risen 8 percent since 1990 (from 10.6 percent) and more than 20 percent since 1981 (from 9.4 percent). The current year rise included increases in both **very preterm births** (prior to 32 completed weeks of gestation) and **moderately preterm** (32–36 weeks) births. (See **tables 43 and 44**.) Preterm birth is a major cause of infant mortality and has been associated with long-term neurodevelopmental and respiratory disorders (57, 58).

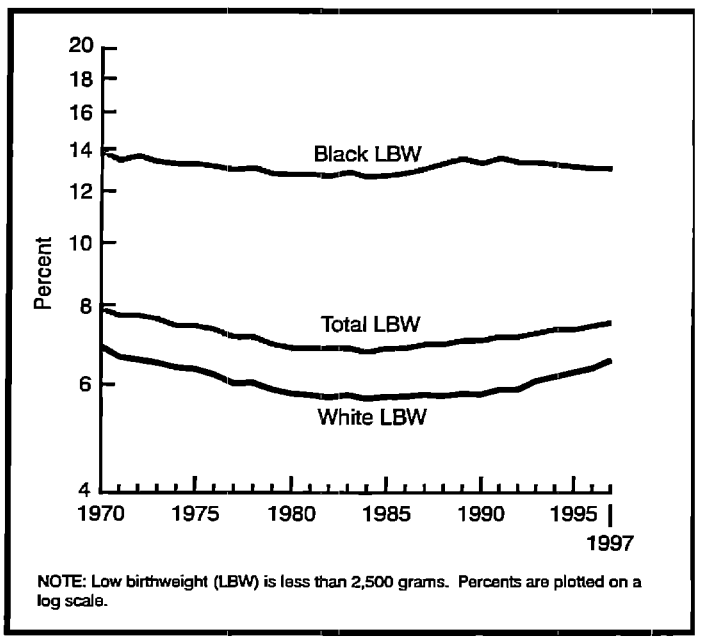
The primary measure used to determine the infant's gestational age, the interval between the first day of the last normal menstrual period (LMP) and the date of birth, is subject to error for several reasons including imperfect maternal recall or misidentification of the LMP because of postconception bleeding, delayed ovulation, or intervening early miscarriage (59). See Technical notes for additional information on procedures for measuring gestational age.

The increase in preterm births was most pronounced among **non-Hispanic white women**, for whom a rise of 4 percent (from 9.5 to 9.9 percent) was observed. The percent of births born very preterm was 1.49 for 1997 compared with 1.43 for 1996. Since 1989, the preterm rate among non-Hispanic white births has risen from 8.4 percent, and the very preterm rate from 1.34 percent. Recent increases in multiple births, which are disproportionately preterm, have particularly influenced the upward trend in preterm birth for this group. Analysis of only **non-Hispanic white singleton births** for 1989–97 reveals a 14 percent increase in moderately preterm births (compared with a 19-percent rise for all births) and essentially no change in the proportion of very preterm births (compared with a rise from 1.34 to 1.49 percent for all births) (**figure 6**) (60).



NOTE: Preterm is <37 completed weeks of gestation. Percents are plotted on a log scale.

Figure 6. Rate of preterm birth by plurality and race/Hispanic origin of mother: United States, 1989–97



NOTE: Low birthweight (LBW) is less than 2,500 grams. Percents are plotted on a log scale.

Figure 7. Percent low birthweight by race: United States, 1970–97

The risk of preterm birth increased slightly among **non-Hispanic black births** for 1997 (17.6 percent) compared with 1996 (17.5 percent), checking the downturn observed since 1993 (18.6 percent). The very preterm birth rate was largely unchanged at 4.19 percent, but has declined from 4.68 percent since 1989. Among non-Hispanic black singleton births, however, levels of moderately and very preterm births were unchanged from the previous year (data not shown).

Preterm births also increased among **Hispanic women**, rising from 10.9 to 11.2 percent for 1996–97; the increase was concentrated among moderately preterm births (9.2–9.5 percent). The overall preterm rate has changed only slightly since 1989 (from 11.1 percent), and the very preterm rate has dipped from 1.76 to 1.68 percent. (Relative trends in preterm rates for Hispanic births are largely unaffected by trends in multiple births.) Preterm rates were up for most of the Hispanic subgroups between 1996 and 1997 **(tables 24 and 25).**

Birthweight

The rate of **low birthweight** (LBW) (less than 2,500 grams) rose to 7.5 percent for 1997, from 7.4 percent for 1996, the highest level reported since 1973. Low birthweight has risen slowly over the last decade (from 6.8 percent for 1986) after declining during the 1970's and early 1980's. (See **tables 43–47 and figure 7.**) The rise in multiple births, which are much more likely than singletons to be LBW, has influenced this upward trend; whereas overall LBW has risen 10 percent since 1986, LBW among singleton births has increased 4 percent (from 5.84 to 6.08 percent).

The percent of **very low birthweight** (VLBW) (less than1,500 grams) was 1.42 percent for 1997, compared with 1.37 for 1996. This level has also risen in recent years (from 1.15 percent in 1980). LBW infants, particularly VLBW infants, are at greater risk than heavier babies of long-term morbidity and early death (60). In 1996, VLBW infants accounted for about 1 percent of all births, but 50 percent of all infant deaths (infant deaths through 11 months per 1,000 live births) (58).

The proportion of **non-Hispanic white LBW** infants rose from 6.4 to 6.5 percent between 1996 and 1997. Since 1989 non-Hispanic white LBW has risen 16 percent (from 5.6 percent) and VLBW has increased from 0.93 to 1.12 percent. The sharp increase in the multiple birth rate explains some, but not all of the rise for non-Hispanic white births as **LBW among singleton births** has also risen over this period, but at a slower pace: from 4.90 to 4.95 percent for 1996–97, and from 4.60 percent since 1989 (see **table G**).

LBW among **non-Hispanic black infants** was unchanged for 1997 at 13.1 percent. LBW has declined somewhat among black births during the 1990's (from 13.6 for 1991), but the rate of VLBW has not improved; for 1997 the percent VLBW was 3.05, compared with the 1989 level of 2.97. Increases in multiple births have only moderately influenced trends in non-Hispanic black LBW; that is, the decline in LBW since 1993 is slightly steeper when only singletons are examined.

Overall **Hispanic LBW** was 6.4 percent in 1997 compared with 6.3 percent for the previous year. The percent VLBW among Hispanic births was essentially unchanged at 1.13 percent. Since 1989, when national data on Hispanic births first became available, Hispanic VLBW and LBW have shown a moderately upward trend (from 1.05 and 6.2 percent). LBW rates were up slightly for each Hispanic subgroup for

Table G. Percent low birthweight among singletons by race/Hispanic origin of mother: United States, 1989–97

Year	Total	Non-Hispanic White	Non-Hispanic Black	Hispanic
1997	6.08	4.95	11.46	5.43
1996	6.03	4.90	11.55	5.34
1995	6.05	4.87	11.66	5.36
1994	6.05	4.79	11.79	5.37
1993	6.05	4.70	11.90	5.34
1992[1]	5.93	4.59	11.91	5.22
1991[1]	5.99	4.61	12.15	5.29
1990[2]	5.90	4.56	11.92	5.23
1989[3]	6.00	4.60	12.22	5.35

[1]Excludes data for New Hampshire, which did not require reporting of Hispanic origin of mother.
[2]Excludes data for New Hampshire and Oklahoma which did not require reporting of Hispanic origin of mother.
[3]Excludes data for Louisiana, New Hampshire, and Oklahoma which did not require reporting of Hispanic origin of mother.

NOTE: Low birthweight is less than 2,500 grams or 5 lb 8 oz.

1997, and ranged from 6.0 percent for Mexican to 9.4 percent for Puerto Rican infants. (See **table 25.**)

For 1997, 6.8 percent of **American Indian births** were LBW. Among the Asian or Pacific Islander subgroups, LBW levels were generally up for the current year, and ranged from 5.1 for Chinese to 8.3 percent for Filipino births (**table 24**).

The percent **macrosomia** (birthweight of at least 4,000 grams) was 10.1, down slightly from the figure reported for 1996 (10.2 percent). Macrosomic births have been declining since 1991, after peaking at about 11 percent in the 1980's.

The **median birthweight** for all births for 1997 was 3,350 grams (7 lbs, 7 oz.) unchanged from 1996. The median for white births was 3,390 grams, and for black births 3,180 grams.

LBW and VLBW risk varies by State; among non-Hispanic white births for 1997, LBW levels ranged from a low of 5.1 percent in Hawaii to a high of 9.0 percent for Wyoming. Among States with at least 1,000 births to non-Hispanic black mothers, the proportion of LBW for this population ranged from 10.2 percent in Iowa and Washington to 16.2 percent for the District of Columbia (**table 46**).

Apgar score

The Apgar score was developed by the late Virginia Apgar, M.D., as a means of evaluating the physical condition of newborns shortly after delivery (61). The score considers five characteristics of the baby that are easily identifiable—heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these characteristics is assessed and assigned a value of 0–2 with 2 being optimum. The total score is the sum of the five components and a score of 7 or better indicates that the baby is in good-to-excellent physical condition. The 5-minute Apgar score is based on an assessment 5 minutes after delivery and used to predict the newborn's chance of survival.

In 1997 all States except California and Texas collected information on the 5-minute Apgar score. Births to residents in these States accounted for 78 percent of all births in the United States. Only 1.4 percent of babies had Apgar scores that were considered low (less than 7) at 5 minutes after birth, unchanged since 1993 (**tables 24 and 25**).

Of all racial groups, Asian or Pacific Islander babies were in the best physical condition shortly after delivery—only 1 percent had scores less than 7. The percent of babies with low scores was intermediate for non-Hispanic white and Hispanic women (1.2 each) while 2.5 percent of non-Hispanic black babies had low 5-minute scores.

Abnormal conditions of the newborn

Of the eight specific abnormal conditions reported on the birth certificate, the rates per 1,000 live births in 1997 were highest for assisted ventilation less than 30 minutes (22 per 1,000), assisted ventilation 30 minutes or longer (9 per 1,000), and hyaline membrane disease/respiratory distress syndrome (RDS) (6 per 1,000) (**table 48**). It has been shown that these conditions may be underreported on the birth certificate (55).

Congenital anomalies

In 1997 congenital anomalies were reported on the birth certificates of the District of Columbia and all States except New Mexico. These areas included 99 percent of births in the United States. It has been shown that these anomalies are underreported on the birth certificate (55, 62).

Because many of the congenital anomalies tracked on birth certificates occur infrequently, the rates shown in this report are calculated per 100,000 live births (**table 49**). Caution should be used in comparing yearly rates for a specific anomaly as a small change in the number of anomalies reported can result in a relatively large change in rates.

Multiple births

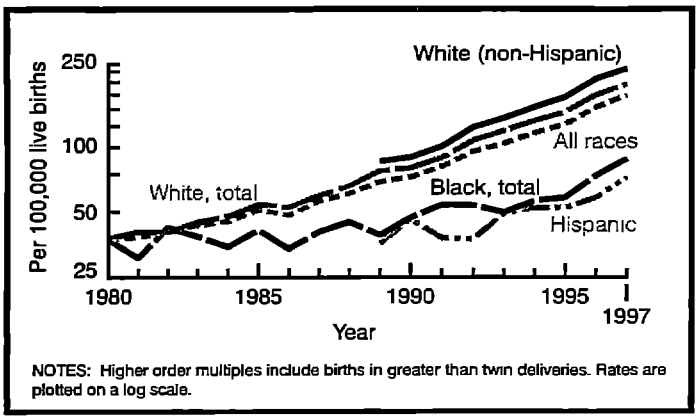
The number of births in multiple deliveries climbed to 110,874 for 1997 and included 104,137 twins, 6,148 triplets, 510 quadruplets, and 79 quintuplets and other higher order multiple births, representing a 3-percent increase in the number of twins, and a 16-percent jump in the number of triplet births over 1996. (See **table 50** for 1997 data.) Slightly fewer births were reported in quadruplet and quintuplet and other higher order multiple deliveries for 1997 (**table H**). Since 1980 the number of twins has risen 52 percent (from 68,339) and the number of triplets and other higher order multiple births by 404 percent (from 1,337) (63, 64).

The twin birth rate (the number of twin births per 1,000 live births) rose 3 percent for 1996–97, to 26.8 (or 2.7 percent of all births). Since 1980 the twinning rate has risen 42 percent (from 18.9 per 1,000). After a rise of 20 percent for 1995–96, **the higher order multiple birth rate** (the number of triplet, quadruplet and quintuplet, and other higher order multiples per 100,000 live births), jumped another 14 percent for 1997, to 173.6 per 100,000. The higher order multiple birth rate has more than doubled since 1991 (from 81.4), and quadrupled since 1980 (from 37.0) (**figure 8**). Put another way, one in every 576 births was a triplet or other higher order multiple in 1997, compared with about one of every 2,700 births in 1980. Older maternal age (women in their thirties are more likely to have a multiple birth than those in their twenties, even without the use of fertility therapy), and the more widespread use of fertility-enhancing therapies (fertility drugs and techniques such as in vitro fertilization), have been associated with the unprecedented rise in multiple births (64–66).

Twinning rates rose among the three largest **racial and ethnic groups** for 1996–97, but continue to be highest for non-Hispanic black women (30.0 compared with 28.8 for non-Hispanic white, and 19.5 for Hispanic women). In contrast, and despite substantial increases in higher order multiple births among non-Hispanic black women

Table H. Numbers of twin, triplet, quadruplet and quintuplet, and other higher order multiple births: United States, 1989–97

Year	Twins	Triplets	Quadruplets	Quintuplets and other higher order multiples
1997	104,137	6,148	510	79
1996	100,750	5,298	560	81
1995	96,736	4,551	365	57
1994	97,064	4,233	315	46
1993	96,445	3,834	277	57
1992	95,372	3,547	310	26
1991	94,779	3,121	203	22
1990	93,865	2,830	185	13
1989	90,118	2,529	229	40



NOTES: Higher order multiples include births in greater than twin deliveries. Rates are plotted on a log scale.

Figure 8. Higher order multiple birth rates by race and Hispanic origin of mother, 1980–97

(64 percent) and Hispanic women (93 percent) since 1991, non-Hispanic white women were more than twice as likely as non-Hispanic black women, and more than three times as likely as Hispanic women to have a triplet, quadruplet, or quintuplet birth (230.8 compared with 90.0 and 72.7 per 100,000, respectively) in 1997. Non- Hispanic white mothers tend to be older, and are more likely than their black and Hispanic counterparts, to seek infertility services (16).

Multiple birth rates generally rise with increasing **maternal age** (there is a slight dip at age 40–44 years), with rates peaking for older mothers 45 to 54 years of age. For 1997, 16.6 percent of births to mothers aged 45 years and over was a multiple, a level 10 times higher than that for mothers under 20 years of age (1.5 percent) and more than 3 times higher than that for women in their thirties (3.9 percent).

Multiple births are more likely than singletons to be born **preterm** (57 versus 10 percent) or **LBW** (56 versus 6 percent). Multiples comprised only 3 percent of all births in 1997, but 21 percent of all LBW infants, 24 percent of VLBW, 14 percent of preterm, and 20 percent of very preterm infants. The rising multiple birth rate and the accompanying high risk for these births has increasingly influenced measures of perinatal health at the national and State level (60, 67). Thus, it can be important when analyzing trends in these measures, to do so by plurality (see gestation and birthweight sections).

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

TABLE:	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Geographic area:																									
States[1]									34							41					46	47			
United States or all reporting areas	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Years:																									
Current year only	26	27	28	29	30	31	32	33	34	35	36	37	38		40	41	42	43		45	46	47	48	49	50
Trend														39					44						
Type of entry:																									
Number of births	26	27	28	29	30	31		33		35	36	37	38	39	40		42	43		45	46	47	48	49	50
Rates or other measures	26	27	28	29	30	31	32	33	34	35	36	37		39	40	41	42	43	44	45	46	47	48	49	50
Characteristics																									
Abnormal conditions of newborn																							48		
Age of mother	26			29	30		32	33			36	37			40					45			48	49	50
Attendant at birth													38												
Birthweight							32											43	44	45	46	47			
Complications of labor		27	28									37					42								
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Education						31																			
Gestational age																		43	44						
Hispanic origin of mother			[4]28		[4]30	[6]31	[6]32	[6]33	[6]34	[6]35			[6]38	[6]39	[6]40	[6]41		[6]43	[6]44	[6]45	[6]46	[6]47			[6]50
Medical risk factors	26	27	28														42								
Method of delivery														39	40	41	42								
Obstetric procedures		27	28								36														
Place of delivery													38												
Multiple births																									50
Prenatal care								33	34	35															
Race of mother	[3]26	[5]27	[4]28	[3]29	[4]30	[3]31	[6]32	[6]33	[6]34	[6]35	[3]36	[3]37	[6]38	[6]39	[6]40	[6]41		[6]43	[3]44	[6]45	[6]46	[6]47	[3]48	[3]49	[6]50
Tobacco use				29	30	31	32																		

[1]Includes data for Puerto Rico, Virgin Islands, Guam, and American Samoa; data for American Samoa not available for tables 34 and 41.
[2]Includes white, black, American Indian, Asian or Pacific Islander.
[3]Includes white and black.
[4]Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black.
[5]Includes white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and other Asian or Pacific Islanders.
[6]Includes Hispanic, non-Hispanic white, and non-Hispanic black.

Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940-55 and each year, 1960-97

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

Year	Number					Birth rate					Fertility rate				
	All races [1]	White	Black	American Indian [2]	Asian or Pacific Islander	All races [1]	White	Black	American Indian [2]	Asian or Pacific Islander	All races [1]	White	Black	American Indian [2]	Asian or Pacific Islander
Registered births															
Race of mother:															
1997	3,880,894	3,072,640	599,913	38,572	169,769	14.5	13.9	17.7	16.6	16.9	65.0	63.9	70.7	69.1	66.3
1996	3,891,494	3,093,057	594,781	37,880	165,776	14.7	14.1	17.8	16.6	17.0	65.3	64.3	70.7	68.7	65.9
1995	3,899,589	3,098,885	603,139	37,278	160,287	14.8	14.2	18.2	16.6	17.3	65.6	64.4	72.3	69.1	66.4
1994	3,952,767	3,121,004	636,391	37,740	157,632	15.2	14.4	19.5	17.1	17.5	66.7	64.9	76.9	70.9	66.8
1993	4,000,240	3,149,833	658,875	38,732	152,800	15.5	14.7	20.5	17.8	17.7	67.6	65.4	80.5	73.4	66.7
1992	4,065,014	3,201,678	673,633	39,453	150,250	15.9	15.0	21.3	18.4	18.0	68.9	66.5	83.2	75.4	67.2
1991	4,110,907	3,241,273	682,602	38,841	145,372	16.3	15.4	21.9	18.3	18.2	69.6	67.0	85.2	75.1	67.6
1990	4,158,212	3,290,273	684,336	39,051	141,635	16.7	15.8	22.4	18.9	19.0	70.9	68.3	86.8	76.2	69.6
1989	4,040,958	3,192,355	673,124	39,478	133,075	16.4	15.4	22.3	19.7	18.7	69.2	66.4	86.2	79.0	68.2
1988	3,909,510	3,102,083	638,562	37,088	129,035	16.0	15.0	21.5	19.3	19.2	67.3	64.5	82.6	76.8	70.2
1987	3,809,394	3,043,828	611,173	35,322	116,560	15.7	14.9	20.8	19.1	18.4	65.8	63.3	80.1	75.6	67.1
1986	3,756,547	3,019,175	592,910	34,169	107,797	15.6	14.8	20.5	19.2	18.0	65.4	63.1	78.9	75.9	66.0
1985	3,760,561	3,037,913	581,824	34,037	104,606	15.8	15.0	20.4	19.8	18.7	66.3	64.1	78.8	78.6	68.4
1984 [3]	3,669,141	2,967,100	568,138	33,256	98,926	15.6	14.8	20.1	20.1	18.8	65.5	63.2	78.2	79.8	69.2
1983 [3]	3,638,933	2,946,468	562,624	32,881	95,713	15.6	14.8	20.2	20.6	19.5	65.7	63.4	78.7	81.8	71.7
1982 [3]	3,680,537	2,984,817	568,506	32,436	93,193	15.9	15.1	20.7	21.1	20.3	67.3	64.8	80.9	83.6	74.8
1981 [3]	3,629,238	2,947,679	564,955	29,688	84,553	15.8	15.0	20.8	20.0	20.1	67.3	64.8	82.0	79.6	73.7
1980 [3]	3,612,258	2,936,351	568,080	29,389	74,355	15.9	15.1	21.3	20.7	19.9	68.4	65.6	84.7	82.7	73.2
Race of child:															
1980 [3]	3,612,258	2,898,732	589,616	36,797	—	15.9	14.9	22.1	—	—	68.4	64.7	88.1	—	—
1979 [3]	3,494,398	2,808,420	577,855	34,269	—	15.6	14.5	22.0	—	—	67.2	63.4	88.3	—	—
1978 [3]	3,333,279	2,681,116	551,540	33,160	—	15.0	14.0	21.3	—	—	65.5	61.7	86.7	—	—
1977 [3]	3,326,632	2,691,070	544,221	30,500	—	15.1	14.1	21.4	—	—	66.8	63.2	88.1	—	—
1976 [3]	3,167,788	2,567,614	514,479	29,009	—	14.6	13.6	20.5	—	—	65.0	61.5	85.8	—	—
1975 [3]	3,144,198	2,551,996	511,581	27,546	—	14.6	13.6	20.7	—	—	66.0	62.5	87.9	—	—
1974 [3]	3,159,958	2,575,792	507,162	26,631	—	14.8	13.9	20.8	—	—	67.8	64.2	89.7	—	—
1973 [3]	3,136,965	2,551,030	512,597	26,464	—	14.8	13.8	21.4	—	—	68.8	64.9	93.6	—	—
1972 [3]	3,258,411	2,655,558	531,329	27,368	—	15.6	14.5	22.5	—	—	73.1	68.9	99.9	—	—
1971 [4]	3,555,970	2,919,746	564,960	27,148	—	17.2	16.1	24.4	—	—	81.6	77.3	109.7	—	—
1970 [4]	3,731,386	3,091,264	572,362	25,864	—	18.4	17.4	25.3	—	—	87.9	84.1	115.4	—	—
1969 [4]	3,600,206	2,993,614	543,132	24,008	—	17.9	16.9	24.4	—	—	86.1	82.2	112.1	—	—
1968 [4]	3,501,564	2,912,224	531,152	24,156	—	17.6	16.6	24.2	—	—	85.2	81.3	112.7	—	—
1967 [5]	3,520,959	2,922,502	543,976	22,665	—	17.8	16.8	25.1	—	—	87.2	82.8	118.5	—	—
1966 [4]	3,606,274	2,993,230	558,244	23,014	—	18.4	17.4	26.2	—	—	90.8	86.2	124.7	—	—
1965 [4]	3,760,358	3,123,860	581,126	24,066	—	19.4	18.3	27.7	—	—	96.3	91.3	133.2	—	—
1964 [4]	4,027,490	3,369,160	607,556	24,382	—	21.1	20.0	29.5	—	—	104.7	99.8	142.6	—	—
1963 [4, 6]	4,098,020	3,326,344	580,658	22,358	—	21.7	20.7	—	—	—	108.3	103.6	—	—	—
1962 [4, 6]	4,167,362	3,394,068	584,610	21,968	—	22.4	21.4	—	—	—	112.0	107.5	—	—	—
1961 [4]	4,268,326	3,600,864	611,072	21,464	—	23.3	22.2	—	—	—	117.1	112.3	—	—	—
1960 [4]	4,257,850	3,600,744	602,264	21,114	—	23.7	22.7	31.9	—	—	118.0	113.2	153.5	—	—
Births adjusted for underregistration															
Race of child:															
1955	4,097,000	3,485,000	—	—	—	25.0	23.8	—	—	—	118.3	113.7	—	—	—
1950	3,632,000	3,108,000	—	—	—	24.1	23.0	—	—	—	106.2	102.3	—	—	—
1945	2,858,000	2,471,000	—	—	—	20.4	19.7	—	—	—	85.9	83.4	—	—	—
1940	2,559,000	2,199,000	—	—	—	19.4	18.6	—	—	—	79.9	77.1	—	—	—

— Data not available.
1 For 1960-91 includes births to races not shown separately.
2 Includes births to Aleuts and Eskimos.
3 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.
4 Based on a 50-percent sample of births.
5 Based on a 20- to 50-percent sample of births.
6 Figures by race exclude New Jersey.

NOTE: Race and Hispanic origin are reported separately on birth certificates. 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, 1997

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

Live-birth order and race of mother	All ages	Age of mother												
		Under 15 years	15-19 years						20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years
			Total	15 years	16 years	17 years	18 years	19 years							
All races	3,880,894	10,121	483,220	26,340	57,038	96,776	134,595	168,471	942,048	1,069,436	886,798	409,710	76,084	3,333	144
1st child	1,573,768	9,843	374,795	24,997	51,542	81,177	102,430	114,649	434,421	399,623	248,113	90,274	15,941	723	35
2d child	1,254,354	211	88,046	1,107	4,806	13,449	26,653	42,031	322,692	369,886	320,452	131,608	20,699	722	38
3d child	628,579	1	15,151	60	315	1,393	4,146	9,237	128,467	186,730	186,492	95,411	15,753	556	18
4th child	241,418	-	1,966	3	15	118	462	1,368	38,284	69,287	75,254	46,879	9,313	423	12
5th child	89,479	-	277	-	1	16	60	200	10,023	24,276	28,773	20,623	5,247	252	8
6th child	37,583	-	38	-	2	1	12	23	2,567	8,980	12,375	10,338	3,109	172	4
7th child	17,251	-	10	-	-	1	3	6	585	3,487	5,834	5,312	1,896	120	7
8th child and over	17,854	-	4	-	-	1	2	1	203	1,915	4,956	6,833	3,601	324	18
Not stated	20,608	66	2,933	173	357	620	827	956	4,806	5,252	4,549	2,432	525	41	4
White	3,072,640	5,021	338,272	15,959	37,324	66,882	95,436	122,671	720,546	871,636	735,571	337,423	61,417	2,633	121
1st child	1,252,047	4,913	269,307	15,273	34,276	57,621	75,175	86,962	346,364	334,554	207,519	75,441	13,310	605	34
2d child	1,012,916	76	57,500	540	2,645	8,069	17,223	29,023	250,685	307,959	269,851	109,275	16,936	601	33
3d child	498,451	-	8,320	25	137	699	2,191	5,268	90,725	150,110	156,615	79,552	12,674	438	17
4th child	182,633	-	902	-	11	41	212	638	22,974	51,488	61,132	38,399	7,399	327	12
5th child	63,291	-	117	-	-	6	33	78	4,940	15,976	21,785	16,230	4,041	196	6
6th child	25,252	-	11	-	1	-	2	8	1,038	5,098	8,649	7,921	2,406	125	4
7th child	10,990	-	2	-	-	-	-	2	195	1,655	3,713	3,879	1,458	85	3
8th child and over	11,340	-	3	-	-	1	1	1	93	768	2,670	4,786	2,785	227	8
Not stated	15,720	32	2,110	121	254	445	599	691	3,532	4,028	3,637	1,940	408	29	4
Black	599,913	4,712	128,539	9,381	17,658	26,595	34,712	40,193	182,600	135,529	94,123	45,069	8,981	357	3
1st child	230,724	4,556	92,746	8,796	15,411	20,776	23,882	23,881	67,884	35,504	20,584	8,002	1,398	50	-
2d child	174,612	122	27,597	503	1,993	4,927	8,562	11,612	60,442	43,022	28,965	12,361	2,043	59	1
3d child	101,843	1	6,332	31	160	658	1,802	3,681	33,169	28,966	21,143	10,263	1,896	73	-
4th child	47,865	-	963	2	4	66	224	667	13,714	14,617	10,937	6,235	1,337	62	-
5th child	21,465	-	148	-	1	10	25	112	4,558	6,911	5,542	3,396	875	33	2
6th child	9,986	-	23	-	1	-	9	13	1,368	3,223	2,956	1,880	506	30	-
7th child	4,941	-	7	-	-	1	3	3	337	1,513	1,639	1,111	314	20	-
8th child and over	4,852	-	1	-	-	-	1	-	103	928	1,770	1,489	535	26	-
Not stated	3,625	33	722	49	88	157	204	224	1,025	845	587	332	77	4	-
American Indian [1]	38,572	202	7,810	470	1,000	1,648	2,118	2,574	12,316	9,168	5,812	2,694	542	28	-
1st child	13,696	198	5,957	445	915	1,397	1,580	1,620	4,497	1,832	862	294	50	6	-
2d child	10,596	4	1,552	22	69	222	467	772	4,486	2,646	1,321	494	88	5	-
3d child	6,579	-	218	2	5	16	55	140	2,207	2,192	1,316	553	91	2	-
4th child	3,616	-	26	-	-	2	5	19	777	1,290	951	476	92	4	-
5th child	1,893	-	1	-	-	-	-	1	202	655	616	339	75	-	-
6th child	997	-	-	-	-	-	-	-	44	321	365	223	43	1	-
7th child	520	-	-	-	-	-	-	-	22	124	203	135	34	2	-
8th child and over	436	-	-	-	-	-	-	-	1	63	144	161	64	3	-
Not stated	239	-	56	1	11	11	11	22	80	45	34	19	5	-	-
Asian or Pacific Islander	169,769	186	8,599	530	1,056	1,651	2,329	3,033	26,586	53,103	51,292	24,524	5,144	315	20
1st child	77,301	176	6,785	483	940	1,383	1,793	2,186	15,676	27,733	19,148	6,537	1,183	62	1
2d child	56,230	9	1,397	42	99	231	401	624	7,079	16,259	20,315	9,478	1,632	57	4
3d child	21,706	-	281	2	13	20	98	148	2,366	5,462	7,418	5,043	1,092	43	1
4th child	7,304	-	75	1	-	9	21	44	819	1,892	2,234	1,769	485	30	-
5th child	2,830	-	11	-	-	-	2	9	323	734	830	658	256	18	-
6th child	1,348	-	4	-	-	1	1	2	117	338	405	314	154	16	-
7th child	800	-	1	-	-	-	-	1	31	195	279	187	90	13	4
8th child and over	1,226	-	-	-	-	-	-	-	6	156	372	397	217	68	10
Not stated	1,024	1	45	2	4	7	13	19	169	334	291	141	35	8	-

- Quantity zero.
[1] Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 1997

[Rates are live births per 1,000 women in specified age and racial group. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	15-44 years [1]	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [2]
			Total	15-17 years	18-19 years						
All races	65.0	1.1	52.3	32.1	83.6	110.4	113.8	85.3	36.1	7.1	0.4
1st child	26.5	1.1	40.8	28.3	60.2	51.2	42.7	24.0	8.0	1.5	0.1
2d child	21.1	0.0	9.6	3.5	19.1	38.0	39.5	31.0	11.7	1.9	0.1
3d child	10.6	*	1.6	0.3	3.7	15.1	20.0	18.0	8.5	1.5	0.1
4th child	4.1	*	0.2	0.0	0.5	4.5	7.4	7.3	4.2	0.9	0.0
5th child	1.5	*	0.0	*	0.1	1.2	2.6	2.8	1.8	0.5	0.0
6th and 7th child	0.9	*	0.0	*	0.0	0.4	1.3	1.8	1.4	0.5	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.6	0.3	0.0
White	63.9	0.7	46.3	27.1	75.9	106.7	116.6	87.8	36.4	6.9	0.4
1st child	26.2	0.7	37.1	24.3	56.8	51.6	45.0	24.9	8.2	1.5	0.1
2d child	21.2	0.0	7.9	2.6	16.2	37.3	41.4	32.4	11.8	1.9	0.1
3d child	10.4	*	1.1	0.2	2.6	13.5	20.2	18.8	8.6	1.4	0.1
4th child	3.8	*	0.1	0.0	0.3	3.4	6.9	7.3	4.2	0.8	0.0
5th child	1.3	*	0.0	*	0.0	0.7	2.1	2.6	1.8	0.5	0.0
6th and 7th child	0.8	*	*	*	*	0.2	0.9	1.5	1.3	0.4	0.0
8th child and over	0.2	*	*	*	*	0.0	0.1	0.3	0.5	0.3	0.0
Black	70.7	3.3	88.2	60.8	130.1	139.0	99.5	64.3	29.7	6.5	0.3
1st child	27.3	3.2	64.0	51.3	83.5	52.0	26.2	14.1	5.3	1.0	0.0
2d child	20.7	0.1	19.0	8.5	35.3	46.3	31.8	19.9	8.2	1.5	0.1
3d child	12.1	*	4.4	1.0	9.6	25.4	21.4	14.5	6.8	1.4	0.1
4th child	5.7	*	0.7	0.1	1.6	10.5	10.8	7.5	4.1	1.0	0.1
5th child	2.5	*	0.1	*	0.2	3.5	5.1	3.8	2.3	0.6	0.0
6th and 7th child	1.8	*	0.0	*	0.0	1.3	3.5	3.2	2.0	0.6	0.0
8th child and over	0.6	*	*	*	*	0.1	0.7	1.2	1.0	0.4	0.0
American Indian [3]	69.1	1.7	71.8	45.3	117.6	134.9	100.8	64.2	29.3	6.4	0.4
1st child	24.7	1.7	55.2	40.4	80.8	49.6	20.2	9.6	3.2	0.6	*
2d child	19.1	*	14.4	4.6	31.3	49.5	29.2	14.7	5.4	1.0	*
3d child	11.9	*	2.0	0.3	4.9	24.3	24.2	14.6	6.1	1.1	*
4th child	6.5	*	0.2	*	0.6	8.6	14.2	10.6	5.2	1.1	*
5th child	3.4	*	*	*	*	2.2	7.2	6.9	3.7	0.9	*
6th and 7th child	2.7	*	*	*	*	0.7	4.9	6.3	3.9	0.9	*
8th child and over	0.8	*	*	*	*	*	0.7	1.6	1.8	0.8	*
Asian or Pacific Islander	66.3	0.5	23.7	14.3	39.3	70.5	113.2	110.3	54.1	11.9	0.9
1st child	30.4	0.5	18.8	12.5	29.3	41.8	59.5	41.4	14.5	2.8	0.2
2d child	22.1	*	3.9	1.7	7.6	18.9	34.9	43.9	21.0	3.8	0.2
3d child	8.5	*	0.8	0.2	1.8	6.3	11.7	16.0	11.2	2.5	0.1
4th child	2.9	*	0.2	*	0.5	2.2	4.1	4.8	3.9	1.1	0.1
5th child	1.1	*	*	*	*	0.9	1.6	1.8	1.5	0.6	*
6th and 7th child	0.8	*	*	*	*	0.4	1.1	1.5	1.1	0.6	0.1
8th child and over	0.5	*	*	*	*	*	0.3	0.8	0.9	0.5	0.2

* Figure does not meet standards of reliability or precision.
0.0 Quantity more than zero but less than 0.05.
[1] Rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.
[2] Rates computed by relating births to women aged 45-54 years to women aged 45-49 years.
[3] Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-97, and by age and race of mother: United States, 1980-97

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

Year and race	Total fertility rate	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [1]
			Total	15-17 years	18-19 years						
All races [2]											
1997	2,032.5	1.1	52.3	32.1	83.6	110.4	113.8	85.3	36.1	7.1	0.4
1996	2,027.0	1.2	54.4	33.8	86.0	110.4	113.1	83.9	35.3	6.8	0.3
1995	2,019.0	1.3	56.8	36.0	89.1	109.8	112.2	82.5	34.3	6.6	0.3
1994	2,036.0	1.4	58.9	37.6	91.5	111.1	113.9	81.5	33.7	6.4	0.3
1993	2,046.0	1.4	59.6	37.8	92.1	112.6	115.5	80.8	32.9	6.1	0.3
1992	2,065.0	1.4	60.7	37.8	94.5	114.6	117.4	80.2	32.5	5.9	0.3
1991	2,073.0	1.4	62.1	38.7	94.4	115.7	118.2	79.5	32.0	5.5	0.2
1990	2,081.0	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
1988	1,934.0	1.3	53.0	33.6	79.9	110.2	114.4	74.8	28.1	4.8	0.2
1987	1,872.0	1.3	50.6	31.7	76.5	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 [3]	1,806.5	1.2	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2
1983 [3]	1,799.0	1.1	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 [3]	1,827.5	1.1	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 [3]	1,812.0	1.1	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2
1980 [3]	1,839.5	1.1	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2
1979 [3]	1,808.0	1.2	52.3	32.3	81.3	112.8	111.4	60.3	19.5	3.9	0.2
1978 [3]	1,760.0	1.2	51.5	32.2	79.8	109.9	108.5	57.8	19.0	3.9	0.2
1977 [3]	1,789.5	1.2	52.8	33.9	80.9	112.9	111.0	56.4	19.2	4.2	0.2
1976 [3]	1,738.0	1.2	52.8	34.1	80.5	110.3	106.2	53.6	19.0	4.3	0.2
1975 [3]	1,774.0	1.3	55.6	36.1	85.0	113.0	108.2	52.3	19.5	4.6	0.3
1974 [3]	1,835.0	1.2	57.5	37.3	88.7	117.7	111.5	53.8	20.2	4.8	0.3
1973 [3]	1,879.0	1.2	59.3	38.5	91.2	119.7	112.2	55.6	22.1	5.4	0.3
1972 [3]	2,010.0	1.2	61.7	39.0	96.9	130.2	117.7	59.8	24.8	6.2	0.4
1971 [4]	2,266.5	1.1	64.5	38.2	105.3	150.1	134.1	67.3	28.7	7.1	0.4
1970 [4]	2,480.0	1.2	68.3	38.8	114.7	167.8	145.1	73.3	31.7	8.1	0.5
White											
1997	2,009.0	0.7	46.3	27.1	75.9	106.7	116.6	87.8	36.4	6.9	0.4
1996	2,005.5	0.8	48.1	28.4	78.4	107.2	116.1	86.3	35.6	6.7	0.3
1995	1,989.0	0.8	50.1	30.0	81.2	106.3	114.8	84.6	34.5	6.4	0.3
1994	1,985.0	0.8	51.1	30.7	82.1	106.2	115.5	83.2	33.7	6.2	0.3
1993	1,982.0	0.8	51.1	30.3	82.1	106.9	116.6	82.1	32.7	5.9	0.3
1992	1,993.5	0.8	51.8	30.1	83.8	108.2	118.4	81.4	32.2	5.7	0.2
1991	1,995.5	0.8	52.8	30.7	83.5	109.0	118.8	80.5	31.8	5.2	0.2
1990	2,003.0	0.7	50.8	29.5	78.0	109.8	120.7	81.7	31.5	5.2	0.2
1989	1,931.0	0.7	47.9	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2
1988	1,856.5	0.6	44.4	26.0	69.6	103.7	114.8	75.4	27.7	4.5	0.2
1987	1,804.5	0.6	42.5	24.6	68.9	102.3	112.3	73.0	25.9	4.1	0.2
1986	1,776.0	0.6	42.3	23.8	70.1	102.7	110.8	70.9	23.9	3.8	0.2
1985	1,787.0	0.6	43.3	24.4	70.4	104.1	112.3	69.9	23.3	3.7	0.2
1984 [3]	1,748.5	0.6	42.9	24.3	68.4	102.7	109.8	67.7	22.2	3.6	0.2
1983 [3]	1,740.5	0.6	43.9	25.0	68.8	103.8	109.4	65.3	21.3	3.6	0.2
1982 [3]	1,767.0	0.6	45.0	25.5	70.8	107.7	111.9	64.0	20.4	3.6	0.2
1981 [3]	1,748.0	0.5	44.9	25.4	71.5	108.3	112.3	61.0	19.0	3.4	0.2
1980 [3]	1,773.0	0.6	45.4	25.5	73.2	111.1	113.8	61.2	18.8	3.5	0.2
Black											
1997	2,154.0	3.3	88.2	60.8	130.1	139.0	99.5	64.3	29.7	6.5	0.3
1996	2,144.0	3.6	91.4	64.7	132.5	136.8	98.2	63.3	29.1	6.1	0.3
1995	2,175.0	4.2	96.1	69.7	137.1	137.1	98.6	64.0	28.7	6.0	0.3
1994	2,300.0	4.6	104.5	76.3	148.3	146.0	104.0	65.8	28.9	5.9	0.3
1993	2,384.5	4.6	108.6	79.8	151.9	152.6	108.4	67.3	29.2	5.9	0.3
1992	2,442.0	4.7	112.4	81.3	157.9	158.0	111.2	67.5	28.8	5.6	0.2
1991	2,480.0	4.8	115.5	84.1	158.6	160.9	113.1	67.7	28.3	5.5	0.2
1990	2,480.0	4.9	112.8	82.3	152.9	160.2	115.5	68.7	28.1	5.5	0.3
1989	2,432.5	5.1	111.5	81.9	151.9	156.8	114.4	66.3	26.7	5.4	0.3
1988	2,298.0	4.9	102.7	75.7	142.7	149.7	108.2	63.1	25.6	5.1	0.3
1987	2,198.0	4.8	97.6	72.1	135.8	142.7	104.3	60.6	24.6	4.8	0.2
1986	2,135.5	4.7	95.8	69.3	135.1	137.3	101.1	59.3	23.8	4.8	0.3
1985	2,109.0	4.5	95.4	69.3	132.4	135.0	100.2	57.9	23.9	4.6	0.3
1984 [3]	2,070.5	4.4	94.1	69.2	128.1	132.2	98.4	56.7	23.3	4.8	0.2
1983 [3]	2,066.0	4.1	93.9	69.6	127.1	131.9	98.4	56.2	23.3	5.1	0.3
1982 [3]	2,106.5	4.0	94.3	69.7	128.9	135.4	101.3	57.5	23.3	5.1	0.4
1981 [3]	2,117.5	4.0	94.5	69.3	131.0	136.5	102.3	57.4	23.1	5.4	0.3
1980 [3]	2,176.5	4.3	97.8	72.5	135.1	140.0	103.9	59.9	23.5	5.6	0.3

See footnotes at end of table.

Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-97, and by age and race of mother: United States, 1980-97 —Con.

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

Year and race	Total fertility rate	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [1]
			Total	15-17 years	18-19 years						
American Indian [5]											
1997	2,047.5	1.7	71.8	45.3	117.6	134.9	100.8	64.2	29.3	6.4	0.4
1996	2,030.0	1.7	73.9	46.4	122.3	133.9	98.5	63.2	28.5	6.3	*
1995	2,033.5	1.8	78.0	47.8	130.7	132.5	98.4	62.2	27.7	6.1	*
1994	2,080.0	1.9	80.8	51.3	130.3	134.2	104.1	61.2	27.5	5.9	0.4
1993	2,141.0	1.4	83.1	53.7	130.7	139.8	107.6	62.8	27.6	5.9	*
1992	2,190.0	1.6	84.4	53.8	132.6	145.5	109.4	63.0	28.0	6.1	*
1991	2,169.0	1.6	85.0	52.7	134.3	144.9	106.9	61.9	27.2	5.9	0.4
1990	2,183.0	1.6	81.1	48.5	129.3	148.7	110.3	61.5	27.5	5.9	*
1989	2,247.0	1.5	82.7	51.6	128.9	152.4	114.2	64.8	27.4	6.4	*
1988	2,153.5	1.7	77.5	49.7	121.1	145.2	110.9	64.5	25.6	5.3	*
1987	2,099.0	1.7	77.2	48.8	122.2	140.0	107.9	63.0	24.4	5.6	*
1986	2,082.0	1.8	78.1	48.7	125.3	138.8	107.9	60.7	23.8	5.3	*
1985	2,128.0	1.7	79.2	47.7	124.1	139.1	109.6	62.6	27.4	6.0	*
1984 [3]	2,136.0	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 [3]	2,180.5	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 [3]	2,213.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 [3]	2,090.0	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 [3]	2,162.5	1.9	82.2	51.5	129.5	143.7	106.6	61.8	28.1	8.2	*
Asian or Pacific Islander											
1997	1,925.5	0.5	23.7	14.3	39.3	70.5	113.2	110.3	54.1	11.9	0.9
1996	1,907.5	0.6	24.6	14.9	40.4	70.7	111.2	109.2	52.2	12.2	0.8
1995	1,924.0	0.7	26.1	15.4	43.4	72.4	113.4	106.9	52.4	12.1	0.8
1994	1,943.0	0.7	27.1	16.1	44.1	73.1	118.6	105.2	51.3	11.6	1.0
1993	1,935.5	0.6	27.0	16.0	43.3	73.3	119.9	103.9	50.2	11.3	0.9
1992	1,942.0	0.7	26.6	15.2	43.1	74.6	121.0	103.0	50.6	11.0	0.9
1991	1,956.0	0.8	27.4	16.1	43.1	75.2	123.2	103.3	49.0	11.2	1.1
1990	2,002.5	0.7	26.4	16.0	40.2	79.2	126.3	106.5	49.6	10.7	1.1
1989	1,947.5	0.6	25.6	15.0	40.4	78.8	124.0	102.3	47.0	10.2	1.0
1988	1,983.5	0.6	24.2	13.6	39.6	80.7	128.0	104.4	47.5	10.3	1.0
1987	1,886.0	0.6	22.4	12.6	37.0	79.7	122.7	97.0	44.2	9.5	1.1
1986	1,836.0	0.5	22.8	12.1	38.8	79.2	119.9	92.6	41.9	9.3	1.0
1985	1,885.0	0.4	23.8	12.5	40.8	83.6	123.0	93.6	42.7	8.7	1.2
1984 [3]	1,892.0	0.5	24.2	12.6	40.7	86.7	124.3	92.4	40.6	8.7	1.0
1983 [3]	1,943.5	0.5	26.1	12.9	44.5	94.0	126.2	93.3	39.4	8.2	1.0
1982 [3]	2,015.5	0.4	29.4	14.0	50.8	98.9	130.9	94.4	39.2	8.8	1.1
1981 [3]	1,976.0	0.3	28.5	13.4	49.5	96.4	129.1	93.4	38.0	8.6	0.9
1980 [3]	1,953.5	0.3	26.2	12.0	46.2	93.3	127.4	96.0	38.3	8.5	0.7

* Figure does not meet standards of reliability or precision.
[1] Beginning 1997, rates computed by relating births to women aged 45-54 years to women aged 45-49 years.
[2] For 1970-91 includes births to races not shown separately.
[3] Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.
[4] Based on a 50-percent sample of births.
[5] Includes births to Aleuts and Eskimos.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980-97

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

Year and race of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races [1]								
1997	65.0	26.5	21.1	10.6	4.1	1.5	0.9	0.3
1996	65.3	26.8	21.1	10.5	4.1	1.5	0.9	0.3
1995	65.6	27.3	21.1	10.5	4.0	1.5	0.9	0.3
1994	66.7	27.5	21.5	10.7	4.2	1.6	1.0	0.3
1993	67.6	27.5	21.9	11.0	4.3	1.6	1.0	0.3
1992	68.9	27.8	22.3	11.3	4.4	1.7	1.0	0.3
1991	69.6	28.3	22.4	11.4	4.5	1.7	1.0	0.3
1990	70.9	29.0	22.8	11.7	4.5	1.7	1.0	0.3
1989	69.2	28.4	22.4	11.3	4.3	1.6	0.9	0.3
1988	67.3	27.6	22.0	10.9	4.1	1.5	0.9	0.3
1987	65.8	27.2	21.6	10.5	3.9	1.4	0.8	0.3
1986	65.4	27.2	21.6	10.3	3.8	1.4	0.8	0.3
1985	66.3	27.6	22.0	10.4	3.8	1.4	0.8	0.3
1984 [2]	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 [2]	65.7	27.8	21.5	10.1	3.7	1.4	0.9	0.3
1982 [2]	67.3	28.6	22.0	10.2	3.8	1.4	0.9	0.3
1981 [2]	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 [2]	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
White								
1997	63.9	26.2	21.2	10.4	3.8	1.3	0.8	0.2
1996	64.3	26.6	21.2	10.4	3.8	1.3	0.8	0.2
1995	64.4	26.9	21.1	10.3	3.8	1.3	0.7	0.2
1994	64.9	27.0	21.4	10.4	3.8	1.3	0.8	0.2
1993	65.4	27.0	21.7	10.5	3.9	1.4	0.8	0.2
1992	66.5	27.3	22.0	10.8	4.0	1.4	0.8	0.2
1991	67.0	27.8	22.0	10.8	4.0	1.4	0.8	0.2
1990	68.3	28.4	22.4	11.1	4.0	1.4	0.8	0.2
1989	66.4	27.6	21.9	10.7	3.8	1.3	0.7	0.2
1988	64.5	26.8	21.6	10.4	3.6	1.2	0.7	0.2
1987	63.3	26.5	21.3	10.0	3.5	1.2	0.7	0.2
1986	63.1	26.6	21.3	9.8	3.4	1.2	0.7	0.2
1985	64.1	27.0	21.8	9.9	3.4	1.2	0.7	0.2
1984 [2]	63.2	26.8	21.4	9.6	3.3	1.2	0.7	0.2
1983 [2]	63.4	27.2	21.2	9.5	3.3	1.2	0.7	0.2
1982 [2]	64.8	28.0	21.6	9.6	3.4	1.2	0.7	0.3
1981 [2]	64.8	28.4	21.1	9.5	3.4	1.2	0.8	0.3
1980 [2]	65.6	28.8	21.3	9.6	3.4	1.3	0.8	0.3
Black								
1997	70.7	27.3	20.7	12.1	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	72.3	28.7	20.7	12.0	5.7	2.6	1.8	0.6
1994	76.9	29.8	22.2	13.1	6.3	2.9	2.0	0.6
1993	80.5	30.2	23.4	14.1	6.9	3.1	2.2	0.7
1992	83.2	30.6	24.3	15.0	7.2	3.3	2.2	0.6
1991	85.2	31.5	25.0	15.4	7.4	3.3	2.1	0.6
1990	86.8	32.4	25.6	15.6	7.4	3.2	2.0	0.6
1989	86.2	32.9	25.4	15.3	7.1	3.0	1.9	0.6
1988	82.6	31.8	24.6	14.4	6.6	2.8	1.8	0.5
1987	80.1	31.2	23.8	13.9	6.3	2.7	1.7	0.5
1986	78.9	31.0	23.4	13.5	6.1	2.6	1.7	0.5
1985	78.8	31.0	23.4	13.4	6.1	2.6	1.7	0.5
1984 [2]	78.1	30.9	23.0	13.2	6.0	2.6	1.7	0.6
1983 [2]	78.7	31.1	23.1	13.2	6.1	2.7	1.8	0.6
1982 [2]	80.9	31.7	23.9	13.8	6.3	2.7	1.8	0.7
1981 [2]	82.0	32.3	24.2	13.7	6.3	2.8	1.9	0.8
1980 [2]	84.9	33.7	24.7	14.0	6.5	2.9	2.1	0.9

[1] Includes races other than white and black.
[2] Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States: see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 6. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-97

Measure and year	All origins [1]	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total [2]	White	Black
Number										
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 [3]	4,049,024	643,271	432,047	59,569	11,472	89,031	51,152	3,365,862	2,527,207	657,450
1991 [3]	4,094,566	623,085	411,233	59,833	11,058	86,908	54,053	3,434,464	2,589,878	666,758
1990 [4]	4,092,994	595,073	385,640	58,807	11,311	83,008	56,307	3,457,417	2,626,500	661,701
1989 [5]	3,903,012	532,249	327,233	56,229	10,842	72,443	65,502	3,297,493	2,526,367	611,269
Birth rate [6]										
1997	14.5	24.2	26.8	18.1	10.1	[7]22.4		13.3	12.2	18.1
1996	14.7	24.8	27.4	17.9	10.7	[7]23.4		13.5	12.4	18.3
1995	14.8	25.2	26.9	19.7	11.0	[7]25.3		13.7	12.6	18.8
1994	15.2	25.5	27.0	21.4	10.8	[7]25.7		14.0	12.8	20.0
1993	15.5	26.0	27.4	21.9	10.5	[7]26.9		14.4	13.1	21.1
1992 [3]	15.9	26.5	27.8	23.2	10.1	[7]27.9		14.8	13.5	21.9
1991 [8]	16.3	26.7	29.2	21.0	10.1	[7]26.5		15.2	13.9	22.5
1990 [4]	16.7	26.7	28.7	21.6	10.9	[7]27.5		15.7	14.4	23.0
1989 [5]	16.3	26.2	25.7	23.7	10.0	[7]28.3		15.4	14.2	22.8
Fertility rate [9]										
1997	65.0	102.8	116.6	71.7	57.4	[7]87.6		60.1	57.0	72.4
1996	65.3	104.9	119.3	71.3	58.9	[7]90.2		60.3	57.3	72.5
1995	65.6	105.0	117.0	75.7	55.1	[7]94.5		60.8	57.6	74.5
1994	66.7	105.6	115.4	81.9	55.9	[7]97.7		62.0	58.3	79.0
1993	67.6	106.9	114.8	82.5	55.5	[7]105.0		63.1	59.0	82.7
1992 [3]	68.9	108.6	116.0	89.9	50.3	[7]107.0		64.4	60.2	85.5
1991 [8]	69.6	108.1	121.6	80.9	49.1	[7]99.3		65.4	61.0	87.6
1990 [4]	71.0	107.7	118.9	82.9	52.6	[7]102.7		67.1	62.8	89.0
1989 [5]	69.2	104.9	106.6	86.6	49.8	[7]95.8		65.7	60.5	84.8

[1] Includes origin not stated.
[2] Includes races other than white and black.
[3] Excludes data for New Hampshire, which did not report Hispanic origin.
[4] Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.
[5] Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.
[6] Live births per 1,000 population in specifed group.
[7] Includes Central and South American and other and unknown Hispanic.
[8] Rates are estimated for the United States based on birth data for 49 States and the District of Columbia. Births for New Hampshire that did not report Hispanic origin, are included in the rates for non-Hispanic women; see Technical notes.
[9] Live births per 1,000 women aged 15-44 years in specified group.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1997

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	All ages	Age of mother												
		Under 15 years	15-19 years						20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years
			Total	15 years	16 years	17 years	18 years	19 years							
Hispanic															
Total	709,767	2,833	118,122	7,778	15,870	24,768	31,542	38,164	216,152	188,669	121,539	51,601	10,405	439	7
1st child	266,392	2,766	88,821	7,303	14,083	20,010	22,781	24,644	93,006	50,172	22,808	7,468	1,308	43	-
2d child	214,352	48	23,635	377	1,533	4,065	7,184	10,476	76,759	64,382	35,468	12,157	1,829	73	1
3d child	127,872	-	4,042	23	90	431	1,150	2,348	32,426	44,385	31,959	12,780	2,201	78	1
4th child	56,782	-	527	-	7	25	127	368	9,529	18,559	17,455	8,904	1,739	68	1
5th child	22,760	-	76	-	-	4	23	49	2,350	6,687	7,586	4,767	1,248	45	1
6th child	9,525	-	6	-	1	-	1	4	561	2,245	3,248	2,620	804	41	-
7th child	4,141	-	3	-	-	-	1	2	126	846	1,438	1,242	458	27	1
8th child and over	3,697	-	3	-	-	1	1	1	44	380	1,017	1,424	767	60	2
Not stated	4,246	19	1,009	75	156	232	274	272	1,351	1,013	560	239	51	4	-
Mexican	499,024	2,103	86,426	5,701	11,759	18,219	22,988	27,759	159,304	133,465	78,891	32,026	6,547	259	3
1st child	182,542	2,053	64,661	5,343	10,417	14,612	16,484	17,805	67,104	32,028	12,324	3,728	629	15	-
2d child	147,737	37	17,579	280	1,150	3,082	5,335	7,732	57,377	45,150	20,484	6,172	902	36	-
3d child	92,294	-	3,001	17	69	330	850	1,735	24,491	33,526	22,139	7,854	1,246	37	-
4th child	42,598	-	380	-	5	17	96	262	7,127	14,312	13,196	6,339	1,208	36	-
5th child	17,386	-	56	-	-	2	16	38	1,737	5,157	5,890	3,607	910	29	-
6th child	7,413	-	5	-	1	-	1	3	395	1,694	2,599	2,081	608	31	-
7th child	3,234	-	3	-	-	-	1	2	95	637	1,131	978	368	21	1
8th child and over	2,940	-	1	-	-	-	-	1	30	289	791	1,130	645	52	2
Not stated	2,880	13	740	61	117	176	205	181	948	672	337	137	31	2	-
Puerto Rican	55,450	291	12,052	856	1,597	2,538	3,323	3,738	17,192	13,337	8,357	3,515	670	33	3
1st child	21,778	286	8,773	794	1,393	2,005	2,318	2,263	6,468	3,693	1,859	588	107	4	-
2d child	17,024	3	2,553	49	168	446	813	1,077	6,112	4,372	2,816	1,012	150	6	-
3d child	9,180	-	491	5	9	48	140	289	2,940	2,839	1,855	878	169	7	1
4th child	3,929	-	71	-	1	2	12	56	1,039	1,320	908	480	102	8	1
5th child	1,649	-	6	-	-	1	1	4	316	566	433	256	69	2	1
6th child	718	-	-	-	-	-	-	-	99	254	198	132	34	1	-
7th child	326	-	-	-	-	-	-	-	16	102	116	75	15	2	-
8th child and over	258	-	-	-	-	-	-	-	8	50	103	74	21	2	-
Not stated	588	2	158	8	26	36	39	49	194	141	69	20	3	1	-
Cuban	12,887	24	927	51	101	175	255	345	2,520	3,609	3,835	1,697	264	11	-
1st child	5,633	24	759	49	92	153	204	261	1,515	1,683	1,194	408	48	2	-
2d child	4,621	-	142	2	9	21	42	68	743	1,346	1,648	642	96	4	-
3d child	1,898	-	18	-	-	1	5	12	195	447	738	427	70	3	-
4th child	486	-	6	-	-	-	2	4	49	89	180	133	27	2	-
5th child	139	-	-	-	-	-	-	-	12	26	37	50	14	-	-
6th child	42	-	-	-	-	-	-	-	-	6	13	19	4	-	-
7th child	17	-	-	-	-	-	-	-	-	3	5	7	2	-	-
8th child and over	21	-	-	-	-	-	-	-	-	3	11	6	1	-	-
Not stated	30	-	2	-	-	-	2	-	6	6	9	5	2	-	-
Central and South American	97,405	178	10,046	549	1,182	1,936	2,701	3,678	23,992	27,144	22,710	10,930	2,289	116	-
1st child	37,931	172	8,016	521	1,079	1,672	2,110	2,634	12,413	9,379	5,504	2,043	385	19	-
2d child	31,083	4	1,675	25	86	233	491	840	7,900	9,708	7,935	3,306	534	21	-
3d child	17,100	-	266	1	6	19	84	156	2,686	5,243	5,481	2,820	575	29	-
4th child	6,729	-	28	-	-	3	4	21	708	1,845	2,309	1,486	335	18	-
5th child	2,457	-	4	-	-	-	2	2	129	594	877	643	197	13	-
6th child	930	-	1	-	-	-	-	1	32	171	309	293	117	7	-
7th child	385	-	-	-	-	-	-	-	5	51	135	134	56	4	-
8th child and over	313	-	2	-	-	1	1	-	2	17	62	147	79	4	-
Not stated	477	2	54	2	11	8	9	24	117	136	98	58	11	1	-
Other and unknown Hispanic	45,001	237	8,671	621	1,231	1,900	2,275	2,644	13,144	11,114	7,746	3,433	635	20	1
1st child	18,508	231	6,612	596	1,102	1,568	1,665	1,681	5,506	3,389	1,927	701	139	3	-
2d child	13,887	4	1,686	21	120	283	503	759	4,627	3,806	2,585	1,025	147	6	1
3d child	7,400	-	266	-	6	33	71	156	2,114	2,330	1,746	801	141	2	-
4th child	3,040	-	42	-	1	3	13	25	606	993	862	466	67	4	-
5th child	1,129	-	10	-	-	1	4	5	156	344	349	211	58	1	-
6th child	422	-	-	-	-	-	-	-	35	120	129	95	41	2	-
7th child	179	-	-	-	-	-	-	-	10	53	51	48	17	-	-
8th child and over	165	-	-	-	-	-	-	-	4	21	50	67	21	2	-
Not stated	271	2	55	4	2	12	19	18	86	58	47	19	4	-	-

See footnotes at end of table.

Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1997 –Con.

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	All ages	Age of mother												
		Under 15 years	15-19 years					20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years
			Total	15 years	16 years	17 years	18 years	19 years						
Non-Hispanic														
Total [1]	3,115,174	7,197	360,159	18,308	40,627	71,038	101,715	128,471	715,227	865,694	749,555	350,343	64,064	2,807	128
1st child	1,286,028	6,990	282,227	17,457	36,975	60,357	78,658	88,780	336,574	343,614	220,663	81,033	14,246	648	33
2d child	1,022,467	162	63,569	717	3,237	9,276	19,222	31,117	242,485	300,685	279,372	117,058	18,466	634	36
3d child	492,203	1	10,984	37	223	952	2,962	6,810	94,668	140,175	151,722	80,916	13,255	467	15
4th child	181,452	-	1,417	3	8	92	328	986	28,357	49,863	56,763	37,272	7,420	349	11
5th child	65,499	-	197	-	1	12	37	147	7,583	17,206	20,792	15,580	3,931	203	7
6th child	27,489	-	32	-	1	1	11	19	1,988	6,579	8,934	7,563	2,262	127	4
7th child	12,818	-	7	-	-	1	2	4	452	2,583	4,294	3,982	1,402	92	6
8th child and over	13,708	-	1	-	-	-	1	-	158	1,504	3,807	5,231	2,735	256	16
Not stated	13,510	44	1,725	94	182	347	494	608	2,962	3,485	3,208	1,708	347	31	-
White	2,333,363	2,240	219,857	8,244	21,536	42,088	63,787	84,202	500,928	674,498	603,304	280,393	49,908	2,130	105
1st child	974,855	2,200	180,306	8,027	20,268	37,591	52,292	62,128	251,763	280,489	181,209	66,624	11,698	534	32
2d child	788,759	28	33,849	169	1,129	4,015	10,056	18,480	172,863	240,936	230,324	95,384	14,827	517	31
3d child	366,267	-	4,310	4	47	274	1,062	2,923	57,925	104,830	122,959	65,595	10,282	352	14
4th child	124,488	-	373	-	4	16	83	270	13,353	32,645	43,182	29,095	5,573	256	11
5th child	40,139	-	41	-	-	2	11	28	2,597	9,169	14,059	11,354	2,765	149	5
6th child	15,512	-	6	-	-	-	2	4	486	2,804	5,320	5,224	1,585	83	4
7th child	6,731	-	-	-	-	-	-	-	72	802	2,227	2,596	975	57	2
8th child and over	7,344	-	-	-	-	-	-	-	49	382	1,578	3,223	1,946	160	6
Not stated	9,268	12	972	44	88	190	281	369	1,820	2,441	2,446	1,298	257	22	-
Black	581,431	4,613	125,343	9,163	17,235	25,940	33,870	39,135	177,494	130,942	90,637	43,434	8,624	341	3
1st child	223,429	4,460	90,304	8,593	15,028	20,232	23,283	23,168	65,556	34,171	19,832	7,713	1,346	47	-
2d child	169,163	121	27,035	492	1,962	4,842	8,377	11,362	58,760	41,490	27,860	11,891	1,949	56	1
3d child	98,781	1	6,214	29	158	648	1,760	3,619	32,470	28,037	20,300	9,874	1,815	70	-
4th child	46,602	-	948	2	4	65	222	655	13,507	14,223	10,549	6,022	1,293	60	-
5th child	20,908	-	146	-	1	10	25	110	4,482	6,745	5,377	3,276	849	31	2
6th child	9,742	-	22	-	1	-	8	13	1,348	3,153	2,876	1,830	486	27	-
7th child	4,821	-	6	-	-	1	2	3	333	1,475	1,604	1,077	306	20	-
8th child and over	4,757	-	1	-	-	-	1	-	102	910	1,732	1,467	519	26	-
Not stated	3,228	31	667	47	81	142	192	205	936	738	507	284	61	4	-

- Quantity zero.
[1] Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1997

[Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and origin of mother	15-44 years [1]	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [2]
			Total	15-17 years	18-19 years						
Hispanic											
Total	102.8	2.3	97.4	66.3	144.3	184.2	161.7	97.9	45.0	10.8	0.6
1st child	38.8	2.3	73.8	57.2	98.9	79.8	43.2	18.5	6.5	1.4	0.1
2d child	31.2	0.0	19.6	8.3	36.8	65.8	55.5	28.7	10.6	1.9	0.1
3d child	18.6	*	3.4	0.8	7.3	27.8	38.2	25.9	11.2	2.3	0.1
4th child	8.3	*	0.4	0.0	1.0	8.2	16.0	14.1	7.8	1.8	0.1
5th child	3.3	*	0.1	*	0.2	2.0	5.8	6.1	4.2	1.3	0.1
6th and 7th child	2.0	*	*	*	*	0.6	2.7	3.8	3.4	1.3	0.1
8th child and over	0.5	*	*	*	*	0.0	0.3	0.8	1.2	0.8	0.1
Mexican	116.6	2.5	112.4	77.3	165.1	204.9	176.3	104.2	49.0	11.6	0.6
1st child	42.9	2.5	84.8	66.5	112.4	86.8	42.5	16.3	5.7	1.1	*
2d child	34.7	0.0	23.1	9.9	42.8	74.2	60.0	27.2	9.5	1.6	0.1
3d child	21.7	*	3.9	0.9	8.5	31.7	44.5	29.4	12.1	2.2	0.1
4th child	10.0	*	0.5	0.0	1.2	9.2	19.0	17.5	9.7	2.1	0.1
5th child	4.1	*	0.1	*	0.2	2.2	6.8	7.8	5.5	1.6	0.1
6th and 7th child	2.5	*	*	*	*	0.6	3.1	4.9	4.7	1.7	0.1
8th child and over	0.7	*	*	*	*	0.0	0.4	1.0	1.7	1.1	0.1
Puerto Rican	71.7	1.8	74.9	48.9	120.0	154.0	109.3	59.1	27.0	6.2	0.5
1st child	28.4	1.8	55.2	41.6	78.8	58.6	30.6	13.3	4.5	1.0	*
2d child	22.2	*	16.1	6.6	32.5	55.4	36.2	20.1	7.8	1.4	*
3d child	12.0	*	3.1	0.6	7.4	26.6	23.5	13.2	6.8	1.6	*
4th child	5.1	*	0.4	*	1.2	9.4	10.9	6.5	3.7	0.9	*
5th child	2.2	*	*	*	*	2.9	4.7	3.1	2.0	0.6	*
6th and 7th child	1.4	*	*	*	*	1.0	2.9	2.2	1.6	0.5	*
8th child and over	0.3	*	*	*	*	*	0.4	0.7	0.6	0.2	*
Cuban	57.4	1.0	38.3	25.3	53.4	82.7	123.5	75.7	35.1	6.3	*
1st child	25.1	1.0	31.5	22.7	41.5	49.8	57.7	23.6	8.4	1.1	*
2d child	20.6	*	5.9	2.5	9.8	24.4	46.1	32.6	13.3	2.3	*
3d child	8.5	*	*	*	*	6.4	15.3	14.6	8.8	1.7	*
4th child	2.2	*	*	*	*	1.6	3.0	3.6	2.7	0.6	*
5th child	0.6	*	*	*	*	*	0.9	0.7	1.0	*	*
6th and 7th child	0.3	*	*	*	*	*	*	*	0.5	*	*
8th child and over	0.1	*	*	*	*	*	*	*	*	*	*
Other Hispanic [3]	87.6	2.0	72.1	48.3	106.8	146.4	147.9	104.4	45.4	11.8	0.7
1st child	34.9	1.9	56.7	42.8	76.9	71.0	49.6	25.6	8.7	2.1	0.1
2d child	27.8	*	13.0	5.0	24.7	49.7	52.5	36.2	13.8	2.8	0.1
3d child	15.1	*	2.1	0.4	4.4	19.0	29.4	24.9	11.5	2.9	0.2
4th child	*	*	*	*	*	*	*	*	*	*	*
5th child	2.2	*	*	*	*	1.1	3.6	4.2	2.7	1.0	*
6th and 7th child	1.2	*	*	*	*	0.3	1.5	2.1	1.8	0.9	*
8th child and over	0.3	*	*	*	*	*	0.1	0.4	0.7	0.4	*

See footnotes at end of table.

Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1997 —Con.

[Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and origin of mother	15-44 years [1]	Age of mother									
		10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [2]
			Total	15-17 years	18-19 years						
Non-Hispanic [4]											
Total [5]	60.1	0.9	45.5	27.0	74.3	98.6	107.0	83.5	35.1	6.7	0.4
1st child	24.9	0.9	35.8	23.9	54.3	46.6	42.7	24.7	8.2	1.5	0.1
2d child	19.8	0.0	8.1	2.8	16.3	33.6	37.3	31.3	11.8	1.9	0.1
3d child	9.5	*	1.4	0.3	3.2	13.1	17.4	17.0	8.2	1.4	0.1
4th child	3.5	*	0.2	0.0	0.4	3.9	6.2	6.3	3.7	0.8	0.0
5th child	1.3	*	0.0	*	0.1	1.0	2.1	2.3	1.6	0.4	0.0
6th and 7th child	0.8	*	0.0	*	0.0	0.3	1.1	1.5	1.2	0.4	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.4	0.5	0.3	0.0
White	57.0	0.4	36.0	19.4	61.9	89.8	107.2	85.2	34.9	6.4	0.3
1st child	23.9	0.4	29.7	17.8	48.0	45.3	44.8	25.7	8.3	1.5	0.1
2d child	19.3	0.0	5.6	1.4	12.0	31.1	38.4	32.6	11.9	1.9	0.1
3d child	9.0	*	0.7	0.1	1.7	10.4	16.7	17.4	8.2	1.3	0.1
4th child	3.1	*	0.1	0.0	0.2	2.4	5.2	6.1	3.6	0.7	0.0
5th child	1.0	*	0.0	*	0.0	0.5	1.5	2.0	1.4	0.4	0.0
6th and 7th child	0.6	*	*	*	*	0.1	0.6	1.1	1.0	0.3	0.0
8th child and over	0.2	*	*	*	*	0.0	0.1	0.2	0.4	0.3	0.0
Black	72.4	3.4	90.8	62.6	134.0	143.0	101.9	65.8	30.3	6.6	0.3
1st child	28.0	3.3	65.8	52.8	85.7	53.1	26.7	14.5	5.4	1.0	0.0
2d child	21.2	0.1	19.7	8.8	36.4	47.6	32.5	20.3	8.4	1.5	0.1
3d child	12.4	*	4.5	1.0	9.9	26.3	21.9	14.8	6.9	1.4	0.1
4th child	5.8	*	0.7	0.1	1.6	10.9	11.1	7.7	4.2	1.0	0.1
5th child	2.6	*	0.1	*	0.3	3.6	5.3	3.9	2.3	0.7	0.0
6th and 7th child	1.8	*	0.0	*	0.0	1.4	3.6	3.3	2.1	0.6	0.0
8th child and over	0.6	*	*	*	*	0.1	0.7	1.3	1.0	0.4	0.0

* Figure does not meet standards of reliability or precision.
0.0 Quantity more than zero but less than 0.05.
1 Rates computed by relating total births, regardless of age of mother, to women aged 15-44 years.
2 Rates computed by relating births to women aged 45-54 years to women aged 45-49 years.
3 Includes Central and South American and other and unknown Hispanic.
4 Includes origin not stated.
5 Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-97

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

Year and origin/race of mother	Total fertility rate	Fertility rate [1]	Age of mother									
			10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [2]
				Total	15-17 years	18-19 years						
All origins												
1997	2,032.5	65.0	1.1	52.3	32.1	83.6	110.4	113.8	85.3	36.1	7.1	0.4
1996	2,027.0	65.3	1.2	54.4	33.8	86.0	110.4	113.1	83.9	35.3	6.8	0.3
1995	2,019.0	65.6	1.3	56.8	36.0	89.1	109.8	112.2	82.5	34.3	6.6	0.3
1994	2,036.0	66.7	1.4	58.9	37.6	91.5	111.1	113.9	81.5	33.7	6.4	0.3
1993	2,046.0	67.6	1.4	59.6	37.8	92.1	112.6	115.5	80.8	32.9	6.1	0.3
1992	2,065.0	68.9	1.4	60.7	37.8	94.5	114.6	117.4	80.2	32.5	5.9	0.3
1991	2,073.0	69.6	1.4	62.1	38.7	94.4	115.7	118.2	79.5	32.0	5.5	0.2
1990	2,081.0	70.9	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	69.2	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
Hispanic												
Total												
1997	2,999.5	102.8	2.3	97.4	66.3	144.3	184.2	161.7	97.9	45.0	10.8	0.6
1996	3,047.5	104.9	2.6	101.8	69.0	151.1	189.5	161.0	98.1	45.1	10.8	0.6
1995	3,019.5	105.0	2.7	106.7	72.9	157.9	188.5	153.8	95.9	44.9	10.8	0.6
1994	3,014.0	105.6	2.7	107.7	74.0	158.0	188.2	153.2	95.4	44.3	10.7	0.6
1993	3,020.5	106.9	2.7	106.8	71.7	159.1	188.3	154.0	96.4	44.7	10.6	0.6
1992 [3]	3,043.0	108.6	2.6	107.1	71.4	159.7	190.6	154.4	96.8	45.6	10.9	0.6
1991 [3]	3,002.5	108.1	2.4	106.7	70.6	158.5	186.3	152.8	96.1	44.9	10.7	0.6
1990 [4]	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 [5]	2,903.5	104.9	2.3	100.8	—	—	184.4	146.6	92.1	43.5	10.4	0.6
Mexican												
1997	3,307.5	116.6	2.5	112.4	77.3	165.1	204.9	176.3	104.2	49.0	11.6	0.6
1996	3,353.5	119.3	2.8	120.7	83.4	174.3	206.3	176.9	103.7	47.6	12.0	0.7
1995	3,273.5	117.0	2.8	124.6	84.4	185.3	208.9	160.5	98.5	46.8	11.9	0.7
1994	3,211.5	115.4	2.8	116.2	78.0	175.0	202.6	165.2	96.9	46.2	11.7	0.7
1993	3,174.0	114.8	2.6	108.7	71.6	164.9	196.6	168.2	100.5	46.1	11.3	0.8
1992 [3]	3,196.5	116.0	2.5	108.8	—	—	202.3	166.3	99.1	47.7	11.8	0.8
1991 [3]	3,317.5	121.6	2.6	117.3	75.9	178.4	209.9	168.2	103.3	49.1	12.3	0.8
1990 [4]	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 [5]	2,916.5	106.6	2.0	94.5	—	—	184.3	153.7	96.1	41.0	11.1	0.6
Puerto Rican												
1997	2,164.0	71.7	1.8	74.9	48.9	120.0	154.0	109.3	59.1	27.0	6.2	0.5
1996	2,163.0	71.3	2.1	82.3	52.2	143.2	148.8	109.4	58.3	25.9	5.6	*
1995	2,245.5	75.7	3.0	89.0	61.2	139.2	151.5	107.2	64.8	27.7	5.6	0.3
1994	2,490.0	81.9	3.2	106.0	72.8	168.4	181.0	111.7	62.3	28.0	5.6	0.2
1993	2,523.5	82.5	3.1	110.0	73.4	181.0	193.1	108.4	56.3	27.1	6.2	0.5
1992 [3]	2,644.5	89.9	3.5	110.4	—	—	204.9	106.6	66.7	30.0	6.5	0.3
1991 [3]	2,276.0	80.9	2.5	102.7	75.2	143.0	149.4	107.5	61.4	25.7	5.7	0.3
1990 [4]	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 [5]	2,421.0	86.6	3.8	112.7	—	—	171.0	98.0	65.2	26.9	6.3	0.3
Cuban												
1997	1,814.5	57.4	1.0	38.3	25.3	53.4	82.7	123.5	75.7	35.1	6.3	*
1996	1,774.5	58.9	0.9	34.0	19.8	54.5	82.5	110.7	85.9	34.3	6.4	*
1995	1,705.5	55.1	*	29.2	16.6	51.2	77.0	110.6	88.0	29.8	6.0	*
1994	1,680.5	55.9	0.6	40.2	23.1	77.4	72.5	98.4	87.6	31.3	5.5	*
1993	1,632.5	55.5	*	33.0	20.4	49.7	68.9	102.0	86.9	31.0	4.7	*
1992 [3]	1,485.5	50.3	1.0	26.3	—	—	51.6	98.4	86.2	28.9	4.7	0.0
1991 [3]	1,385.5	49.1	*	27.7	17.5	41.3	61.2	88.8	68.2	26.7	4.0	*
1990 [4]	1,459.5	52.6	*	30.3	18.2	46.1	64.6	95.4	67.6	28.2	4.9	*
1989 [5]	1,479.0	49.8	0.5	25.1	—	—	64.2	101.8	73.7	27.2	3.0	0.3

See footnotes at end of table.

Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 1989-97 —Con.

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

Year and origin/race of mother	Total fertility rate	Fertility rate [1]	Age of mother									
			10-14 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years [2]
				Total	15-17 years	18-19 years						
Other Hispanic [6]												
1997	2,653.5	87.6	2.0	72.1	48.3	106.8	146.4	147.9	104.4	45.4	11.8	0.7
1996	2,762.0	90.2	2.4	69.8	46.6	103.1	166.5	146.3	105.3	50.4	11.0	0.7
1995	2,834.0	94.5	2.4	77.5	54.8	107.8	158.3	161.8	103.7	50.9	11.6	0.6
1994	2,855.5	97.7	2.6	87.9	66.4	112.4	162.0	147.4	109.3	49.4	11.9	0.6
1993	3,038.5	105.0	2.7	106.9	78.2	141.7	175.2	147.1	110.4	52.4	12.5	0.5
1992 [3]	3,076.0	107.0	2.5	112.1	—	—	172.9	157.8	106.6	50.3	12.5	0.5
1991 [3]	2,817.0	99.3	2.1	88.1	58.9	128.8	161.1	150.6	101.5	48.2	11.2	0.6
1990 [4]	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 [5]	2,683.0	95.8	1.7	66.4	—	—	159.2	150.4	85.1	60.3	12.7	0.8
Non-Hispanic [7]												
Total [8]												
1997	1,888.5	60.1	0.9	45.5	27.0	74.3	98.6	107.0	83.5	35.1	6.7	0.4
1996	1,881.0	60.3	1.0	47.3	28.7	76.2	98.4	106.5	82.0	34.2	6.5	0.3
1995	1,881.0	60.8	1.1	49.6	30.7	79.0	98.5	106.4	80.9	33.2	6.2	0.3
1994	1,905.0	62.0	1.2	52.0	32.5	81.8	100.4	108.6	79.9	32.6	6.0	0.3
1993	1,918.5	63.1	1.2	52.9	33.1	82.6	102.5	110.4	79.0	31.7	5.7	0.3
1992 [3]	1,941.0	64.4	1.2	54.4	33.2	85.5	104.7	112.7	78.4	31.2	5.4	0.2
1991 [3]	1,959.5	65.4	1.3	56.1	34.4	86.1	106.6	114.0	77.8	30.8	5.1	0.2
1990 [4]	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 [5]	1,921.0	65.7	1.3	53.4	—	—	107.8	113.4	74.7	28.6	4.8	0.2
White												
1997	1,801.0	57.0	0.4	36.0	19.4	61.9	89.8	107.2	85.2	34.9	6.4	0.3
1996	1,795.5	57.3	0.4	37.6	20.6	63.7	90.1	107.0	83.5	34.0	6.2	0.3
1995	1,786.5	57.6	0.4	39.3	22.0	66.1	90.0	106.5	82.0	32.9	5.9	0.3
1994	1,792.0	58.3	0.5	40.4	22.8	67.4	90.9	107.9	80.7	32.1	5.7	0.2
1993	1,792.5	59.0	0.5	40.7	22.7	67.7	92.1	109.2	79.4	31.1	5.3	0.2
1992 [3]	1,810.5	60.2	0.5	41.7	22.7	69.8	93.9	111.5	78.7	30.5	5.1	0.2
1991 [3]	1,826.5	61.0	0.5	43.4	23.6	70.5	95.7	112.7	77.9	30.2	4.7	0.2
1990 [4]	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 [5]	1,770.0	60.5	0.4	39.9	—	—	94.7	111.7	75.0	27.8	4.3	0.2
Black												
1997	2,210.5	72.4	3.4	90.8	62.6	134.0	143.0	101.9	65.8	30.3	6.6	0.3
1996	2,204.0	72.5	3.8	94.2	66.6	136.6	140.9	100.8	64.9	29.7	6.2	0.3
1995	2,245.0	74.5	4.3	99.3	72.1	141.9	141.7	102.0	65.9	29.4	6.1	0.3
1994	2,365.0	79.0	4.7	107.7	78.6	152.9	150.3	107.0	67.5	29.5	6.0	0.3
1993	2,454.5	82.7	4.7	112.2	82.5	156.7	157.4	111.5	69.0	29.8	6.0	0.3
1992 [3]	2,514.0	85.5	4.8	116.0	83.9	162.9	163.0	114.6	69.1	29.4	5.7	0.2
1991 [3]	2,551.0	87.6	4.9	118.9	86.7	163.1	166.1	116.3	69.3	28.9	5.6	0.2
1990 [4]	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 [5]	2,424.0	84.8	5.2	111.9	—	—	156.3	113.8	65.7	26.3	5.3	0.3

* Figure does not meet standards of reliability or precision.
— Data not available.
0.0 Quantity more than zero but less that 0.05.
1 Rates computed by relating total births, regardless of age of mother, to women 15-44 years.
2 Beginning 1997, rates computed by relating births to women aged 45-54 years to women aged 45-49 years.
3 Excludes data for New Hampshire, which did not report Hispanic origin.
4 Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.
5 Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.
6 Includes Central and South American and other and unknown Hispanic.
7 Includes origin not stated.
8 Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15-19 years by age of mother: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997

[By place of residence. Birth rates per 1,000 estimated population in each area; fertility rates per 1,000 women aged 15-44 years estimated in each area; total fertility rates are sums of birth rates for 5-year age groups multiplied by 5: birth rates by age are live births per 1,000 women in specified age group estimated in each area]

State	Number of births	Birth rate	Fertility rate	Total fertility rate	Teenage birth rate		
					15-19 years		
					Total	15-17 years	18-19 years
United States [1]	3,880,894	14.5	65.0	2,032.5	52.3	32.1	83.6
Alabama	60,914	14.1	62.1	1,917.0	66.6	43.4	100.2
Alaska	9,947	16.3	72.4	2,390.5	44.6	25.1	73.6
Arizona	75,699	16.6	78.1	2,433.0	69.7	44.0	111.2
Arkansas	36,478	14.5	67.3	2,076.0	72.9	42.9	119.2
California	524,840	16.3	72.3	2,230.5	57.3	36.2	90.5
Colorado	56,533	14.5	64.2	2,064.5	48.2	29.9	77.2
Connecticut	43,109	13.2	60.3	1,852.5	36.1	22.5	58.1
Delaware	10,253	14.0	60.3	1,865.0	55.8	36.8	83.3
District of Columbia	7,927	15.0	61.7	1,972.0	91.0	65.9	122.4
Florida	192,383	13.1	64.9	2,064.0	57.7	35.1	94.2
Georgia	118,221	15.8	66.1	2,062.5	67.2	44.0	102.8
Hawaii	17,393	14.7	69.0	2,208.0	43.8	25.3	69.6
Idaho	18,582	15.4	70.3	2,231.0	43.3	23.3	72.5
Illinois	180,803	15.2	68.4	2,129.5	54.7	34.4	87.6
Indiana	83,436	14.2	62.9	1,969.0	54.2	32.1	87.6
Iowa	36,659	12.9	60.4	1,914.5	35.7	20.1	60.4
Kansas	37,289	14.4	65.7	2,084.5	48.5	27.5	81.7
Kentucky	53,203	13.6	59.9	1,868.5	59.6	35.4	95.0
Louisiana	66,025	15.2	65.7	2,022.0	66.3	42.1	101.4
Maine	13,669	11.0	49.5	1,596.5	32.0	15.4	58.3
Maryland	70,215	13.8	58.9	1,836.5	43.9	28.2	68.8
Massachusetts	80,364	13.1	57.8	1,705.5	31.7	19.1	50.8
Michigan	133,714	13.7	60.0	1,883.5	43.9	25.4	72.2
Minnesota	64,499	13.8	61.4	1,945.0	32.0	17.8	55.1
Mississippi	41,533	15.2	66.3	1,991.0	73.7	50.2	108.8
Missouri	74,037	13.7	62.2	1,972.5	51.5	29.6	86.3
Montana	10,849	12.3	59.1	1,957.0	37.6	20.1	65.2
Nebraska	23,319	14.1	64.6	2,053.0	37.2	21.3	61.6
Nevada	26,911	16.0	75.4	2,422.0	67.7	42.2	109.1
New Hampshire	14,313	12.2	52.4	1,647.5	28.6	14.0	53.0
New Jersey	113,279	14.1	64.1	1,980.0	35.0	21.3	56.7
New Mexico	26,871	15.5	70.4	2,246.5	68.4	44.4	106.3
New York	257,238	14.2	63.9	1,949.0	38.8	23.4	62.3
North Carolina	107,015	14.4	64.3	2,008.0	61.3	37.7	97.3
North Dakota	8,353	13.0	61.0	1,921.5	30.1	14.3	55.0
Ohio	152,033	13.6	60.7	1,909.5	49.8	28.6	82.6
Oklahoma	48,269	14.6	67.8	2,121.0	64.3	37.3	107.4
Oregon	43,809	13.5	62.7	2,026.0	46.9	27.0	78.2
Pennsylvania	144,224	12.0	55.9	1,758.0	37.3	21.9	61.3
Rhode Island	12,455	12.6	56.6	1,732.5	42.7	27.6	65.6
South Carolina	52,214	13.9	60.4	1,862.0	61.4	40.0	93.0
South Dakota	10,173	13.8	63.6	2,028.0	39.7	21.8	66.3
Tennessee	74,478	13.9	61.2	1,927.5	64.5	38.5	103.8
Texas	333,974	17.2	75.3	2,343.0	71.7	47.1	110.1
Utah	43,059	20.9	88.5	2,632.0	42.6	23.7	68.3
Vermont	6,607	11.2	49.6	1,573.5	26.9	12.1	51.2
Virginia	91,862	13.6	58.0	1,784.0	44.2	26.1	70.8
Washington	78,190	13.9	61.8	1,978.5	42.5	24.5	70.7
West Virginia	20,730	11.4	53.1	1,649.0	49.1	27.5	80.3
Wisconsin	66,557	12.9	58.1	1,835.0	35.9	21.4	58.8
Wyoming	6,387	13.3	61.8	2,014.5	43.3	23.3	75.8
Puerto Rico	64,109	16.8	71.1	2,029.0	77.8	57.6	106.6
Virgin Islands	2,017	17.6	80.3	2,426.5	66.0	45.6	96.7
Guam	4,309	29.6	138.9	4,137.5	106.3	61.4	178.2
American Samoa	1,634	27.1	123.5	3,657.0	43.9	20.7	81.5

[1] Excludes data for Puerto Rico, Virgin Islands, Guam, and American Samoa.

Table 11. Live births by race of mother: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997

[By place of residence]

State	Number				
	All races	White	Black	American Indian [1]	Asian or Pacific Islander
United States [2]	3,880,894	3,072,640	599,913	38,572	169,769
Alabama	60,914	40,437	19,830	139	508
Alaska	9,947	6,592	457	2,400	498
Arizona	75,699	66,266	2,500	5,319	1,614
Arkansas	36,478	28,073	7,822	211	372
California	524,840	426,231	37,320	3,355	57,934
Colorado	56,533	51,714	2,584	590	1,645
Connecticut	43,109	36,197	5,370	111	1,431
Delaware	10,253	7,528	2,490	12	223
District of Columbia	7,927	1,977	5,813	2	135
Florida	192,383	144,047	43,536	717	4,083
Georgia	118,221	75,602	39,715	205	2,699
Hawaii	17,393	4,481	578	187	12,147
Idaho	18,582	18,000	67	277	238
Illinois	180,803	138,517	35,466	248	6,572
Indiana	83,436	73,556	8,780	116	984
Iowa	36,659	34,572	1,100	230	757
Kansas	37,289	33,265	2,803	330	891
Kentucky	53,203	47,929	4,648	91	535
Louisiana	66,025	37,648	27,134	288	955
Maine	13,669	13,323	81	103	162
Maryland	70,215	44,471	22,933	204	2,607
Massachusetts	80,364	68,623	7,716	164	3,861
Michigan	133,714	105,805	24,286	768	2,855
Minnesota	64,499	57,127	3,330	1,138	2,904
Mississippi	41,533	22,024	18,967	194	348
Missouri	74,037	61,561	11,033	267	1,176
Montana	10,849	9,429	31	1,294	95
Nebraska	23,319	21,308	1,253	362	396
Nevada	26,911	22,857	2,129	446	1,479
New Hampshire	14,313	14,000	104	30	179
New Jersey	113,279	84,539	21,034	178	7,528
New Mexico	26,871	22,730	506	3,246	389
New York	257,238	184,613	55,214	595	16,816
North Carolina	107,015	75,880	27,477	1,586	2,072
North Dakota	8,353	7,396	84	775	98
Ohio	152,033	127,036	22,623	284	2,090
Oklahoma	48,269	38,013	4,746	4,640	870
Oregon	43,809	40,235	936	746	1,892
Pennsylvania	144,224	120,215	20,407	276	3,326
Rhode Island	12,455	10,908	946	145	456
South Carolina	52,214	33,074	18,408	123	609
South Dakota	10,173	8,426	91	1,543	113
Tennessee	74,478	57,006	16,322	127	1,023
Texas	333,974	284,321	39,484	794	9,375
Utah	43,059	40,893	260	663	1,243
Vermont	6,607	6,523	22	5	57
Virginia	91,862	66,726	21,073	202	3,861
Washington	78,190	67,635	3,181	1,729	5,645
West Virginia	20,730	19,851	747	17	115
Wisconsin	66,557	57,400	6,414	880	1,863
Wyoming	6,387	6,060	62	220	45
Puerto Rico	64,109	59,342	4,745	—	—
Virgin Islands	2,017	363	1,595	56	3
Guam	4,309	421	70	2	3,816
American Samoa	1,634	8	—	—	1,626

— Data not available.
1 Includes births to Aleuts and Eskimos.
2 Excludes data for Puerto Rico, Virgin Islands, Guam, and American Samoa.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997

[By place of residence]

State	All origins	Origin of mother									
		Hispanic						Non-Hispanic			Not stated
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total[1]	White	Black	
United States [2]	3,880,894	709,767	499,024	55,450	12,887	97,405	45,001	3,115,174	2,333,363	581,431	55,953
Alabama	60,914	1,056	724	88	13	179	52	59,830	39,402	19,798	28
Alaska	9,947	609	263	38	5	54	249	9,321	6,110	444	17
Arizona	75,699	28,472	27,286	174	59	493	460	46,256	37,860	2,375	971
Arkansas	36,478	1,542	1,254	31	4	211	42	34,866	26,506	7,799	70
California	524,840	248,948	215,493	1,927	793	25,243	5,492	273,347	177,863	36,109	2,545
Colorado	56,533	13,217	8,909	184	32	365	3,727	43,236	38,685	2,487	80
Connecticut	43,109	5,709	373	3,868	78	1,107	283	34,769	28,433	4,896	2,631
Delaware	10,253	637	295	215	7	107	13	9,560	6,864	2,462	56
District of Columbia	7,927	694	46	16	4	574	54	7,084	1,274	5,677	149
Florida	192,383	37,369	7,818	6,907	8,778	12,366	1,500	154,868	107,757	42,546	126
Georgia	118,221	7,164	5,402	424	98	992	248	110,052	67,874	39,404	1,005
Hawaii	17,393	2,147	424	666	9	83	965	15,202	3,766	550	44
Idaho	18,582	2,365	2,046	20	5	77	217	15,932	15,387	63	285
Illinois	180,803	33,171	27,366	2,850	201	988	1,766	147,556	105,487	35,256	76
Indiana	83,436	3,409	2,651	306	22	210	220	79,672	69,840	8,749	355
Iowa	36,659	1,603	1,296	29	8	179	91	34,673	32,685	1,049	383
Kansas	37,289	3,553	2,981	81	20	190	281	33,385	29,430	2,766	351
Kentucky	53,203	727	488	79	30	78	52	52,455	47,230	4,630	21
Louisiana	66,025	1,263	469	83	61	146	504	64,738	36,445	27,097	24
Maine	13,669	121	21	11	1	21	67	12,977	12,656	68	571
Maryland	70,215	3,274	533	240	55	1,640	806	66,093	40,890	22,490	848
Massachusetts	80,364	8,235	282	4,386	90	3,152	325	71,645	61,446	6,208	484
Michigan	133,714	5,454	3,971	399	67	333	684	121,226	93,875	23,957	7,034
Minnesota	64,499	2,625	2,064	87	11	266	197	58,498	51,234	3,284	3,376
Mississippi	41,533	328	154	17	12	20	125	41,165	21,663	18,961	40
Missouri	74,037	1,758	1,298	78	27	191	164	72,209	59,788	10,999	70
Montana	10,849	302	168	11	4	9	110	10,198	8,818	18	349
Nebraska	23,319	1,978	1,563	22	6	219	168	20,800	18,817	1,236	541
Nevada	26,911	7,713	6,201	163	136	718	495	18,998	15,121	2,064	200
New Hampshire	14,313	228	64	64	2	27	71	13,653	13,350	96	432
New Jersey	113,279	19,635	2,399	6,935	927	9,107	267	93,097	66,168	19,302	547
New Mexico	26,871	13,322	4,475	48	50	91	8,658	13,545	9,545	477	4
New York	257,238	50,720	6,091	15,434	496	23,653	5,046	181,946	117,641	47,172	24,572
North Carolina	107,015	6,906	5,069	499	91	847	400	100,090	69,102	27,376	19
North Dakota	8,353	170	110	12	2	12	34	7,940	7,100	80	243
Ohio	152,033	3,432	1,631	1,195	42	299	265	147,909	123,489	22,120	692
Oklahoma	48,269	3,226	2,474	98	14	116	524	44,828	34,750	4,676	215
Oregon	43,809	5,854	5,441	55	23	247	88	37,856	34,369	914	99
Pennsylvania	144,224	6,623	834	4,536	99	560	594	136,794	113,297	19,947	807
Rhode Island	12,455	1,780	112	608	12	944	104	9,061	7,742	777	1,614
South Carolina	52,214	1,129	739	120	11	178	81	51,035	31,971	18,382	50
South Dakota	10,173	141	94	7	3	21	16	10,013	8,284	89	19
Tennessee	74,478	1,721	1,121	155	34	175	236	72,717	55,288	16,297	40
Texas	333,974	146,580	131,456	916	276	7,013	6,919	186,485	137,580	38,928	909
Utah	43,059	4,298	3,346	66	12	488	386	38,627	36,534	242	134
Vermont	6,607	22	6	8	—	3	5	6,388	6,305	22	197
Virginia	91,862	5,374	1,185	496	96	3,009	588	86,391	61,428	20,956	97
Washington	78,190	9,336	7,700	180	31	225	1,200	66,363	56,617	2,968	2,491
West Virginia	20,730	82	33	10	1	10	28	20,639	19,778	744	9
Wisconsin	66,557	3,207	2,349	602	26	156	74	63,337	54,292	6,366	13
Wyoming	6,387	538	456	6	3	13	60	5,829	5,527	58	20
Puerto Rico	64,109	5	—	5	—	—	—	2	—	2	64,102
Virgin Islands	2,017	375	6	285	2	55	27	1,534	85	1,402	108
Guam	4,309	43	20	9	—	5	9	4,185	373	68	81
American Samoa	1,634	—	—	—	—	—	—	—	—	—	1,634

— Data not available.
1 Includes races other than white and black.
2 Excludes data for Puerto Rico, Virgin Islands, Guam, and American Samoa.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 13. Total number of births, rates, and percent of births with selected demographic characteristics, by specified race of mother and place of birth of mother: United States, 1997

Characteristic	All races	White	Black	American Indian [1]	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
	Number									
Births	3,880,894	3,072,640	599,913	38,572	169,769	28,434	8,890	5,687	31,501	95,257
	Rate									
Birth rate [2]	14.5	13.9	17.7	16.6	16.9	—	—	—	—	—
Fertility rate [3]	65.0	63.9	70.7	69.1	66.3	—	—	—	—	—
Total fertility rate [4]	2,032.5	2,008.5	2,154.0	2,047.5	1,925.0	—	—	—	—	—
Sex ratio [5]	1,048	1,050	1,031	1,036	1,072	1,100	1,068	1,066	1,069	1,065
	Percent									
All births										
Births to mothers under 20 years	12.7	11.2	22.2	20.8	5.2	0.9	2.2	18.6	5.9	5.7
4th- and higher-order births	10.5	9.6	14.9	19.5	8.0	2.2	4.1	15.3	7.0	10.0
Births to unmarried mothers	32.4	25.8	69.2	58.7	15.6	6.5	10.1	49.1	19.5	15.6
Mothers completing 12 years or more of school	77.9	78.7	72.4	67.2	86.0	87.7	97.7	83.2	92.7	82.2
Mothers born in the 50 States and DC	80.7	82.4	89.3	96.6	15.6	9.6	44.0	97.9	17.7	9.1
Mothers born in the 50 States and DC										
Births to mothers under 20 years	13.7	11.5	24.0	21.2	15.2	4.5	4.5	18.7	17.4	19.6
4th- and higher-order births	9.8	8.6	15.1	19.7	8.2	3.5	4.4	15.3	7.8	7.0
Births to unmarried mothers	33.3	24.8	72.2	59.7	33.6	13.4	16.1	49.4	40.7	33.1
Mothers completing 12 years or more of school	82.1	84.5	71.5	67.0	87.1	95.9	96.6	83.1	87.2	82.3
Mothers born outside the 50 States and DC										
Births to mothers under 20 years	8.4	9.8	7.4	8.8	3.3	0.6	0.5	13.1	3.4	4.3
4th- and higher-order births	13.0	14.2	13.6	12.5	8.0	2.1	3.8	15.0	6.9	10.3
Births to unmarried mothers	28.1	30.5	43.5	30.2	12.3	5.7	5.3	36.1	14.9	13.8
Mothers completing 12 years or more of school	60.0	50.8	80.1	73.5	85.8	86.9	98.6	88.3	93.9	82.2

— Data not available.
1 Includes births to Aleuts and Eskimos.
2 Rate per 1,000 population.
3 Rate per 1,000 women aged 15-44 years.
4 Rates are sums of birth rates for 5-year age groups multiplied by 5.
5 Male live births per 1,000 female live births.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 14. Total number of births, rates, and percent of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1997

Characteristic	All origins[1]	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total[2]	White	Black
	Number									
Births	3,880,894	709,767	499,024	55,450	12,887	97,405	45,001	3,115,174	2,333,363	581,431
	Rate									
Birth rate[3]	14.5	24.2	26.8	18.1	10.1	[7]22.4		13.1	12.0	18.0
Fertility rate[4]	65.0	102.8	116.6	71.7	57.4	[7]87.6		59.0	55.8	71.9
Total fertility rate[5]	2,032.5	2,999.5	3,307.5	2,163.5	1,814.5	[7]2,653.5		1,888.0	1,801.0	2,210.5
Sex ratio[6]	1,048	1,040	1,038	1,049	1,043	1,042	1,044	1,049	1,052	1,031
	Percent									
All births										
Births to mothers under 20 years	12.7	17.0	17.7	22.3	7.4	10.5	19.8	11.8	9.5	22.4
4th- and higher-order births	10.5	13.7	14.8	12.5	5.5	11.2	11.0	9.7	8.4	15.0
Births to unmarried mothers	32.4	40.9	38.9	59.4	24.4	41.8	43.6	30.5	21.5	69.4
Mothers completing 12 years or more of school	77.9	49.7	43.7	62.9	86.3	60.4	67.2	84.1	87.1	72.5
Mothers born in the 50 States and DC	80.7	39.1	39.2	63.3	38.8	9.0	74.3	90.0	95.1	90.7
Mothers born in the 50 States and DC										
Births to mothers under 20 years	13.7	25.6	26.7	24.3	11.2	22.4	23.4	12.6	9.8	23.9
4th- and higher-order births	9.8	11.2	11.7	11.1	4.8	4.6	10.6	9.7	8.3	15.1
Births to unmarried mothers	33.3	47.7	46.2	61.6	24.2	44.5	46.8	32.0	22.1	72.2
Mothers completing 12 years or more of school	82.1	64.0	62.1	63.4	86.8	77.8	69.0	83.8	87.0	71.5
Mothers born outside the 50 States and DC										
Births to mothers under 20 years	8.4	11.5	11.9	18.7	4.9	9.3	9.3	4.0	3.7	6.7
4th- and higher-order births	13.0	15.4	16.8	15.1	5.9	11.8	12.1	9.6	9.5	14.0
Births to unmarried mothers	28.1	36.5	34.2	55.5	24.5	41.5	33.1	16.7	10.7	41.2
Mothers completing 12 years or more of school	60.0	40.4	31.6	62.2	86.0	58.7	62.4	86.9	90.2	82.7

[1] Includes origin not stated.
[2] Includes races other than white and black.
[3] Rate per 1,000 population.
[4] Rate per 1,000 women aged 15-44 years.
[5] Rates are sums of birth rates for 5-year age groups multiplied by 5.
[6] Male live births per 1,000 female live births.
[7] Includes Central and South American and other and unknown Hispanic.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 1997

[Rates on an annual basis per 1,000 population for specified month. Birth rates based on the total population. Fertility rates based on women aged 15-44 years]

Month	Number			Observed		Seasonally adjusted[1]	
	All races[2]	White	Black	Birth rate	Fertility rate	Birth rate	Fertility rate
Total	3,880,894	3,072,640	599,913	14.5	65.0	...	...
January	317,211	248,675	51,645	14.0	62.6	14.7	65.7
February	291,541	230,077	46,037	14.3	63.7	14.5	64.9
March	321,212	255,265	48,813	14.2	63.4	14.4	64.6
April	314,230	250,965	46,429	14.3	64.1	14.6	65.3
May	330,331	263,918	48,926	14.6	65.2	14.6	65.4
June	321,867	256,533	48,347	14.6	65.6	14.5	64.9
July	346,506	274,977	53,140	15.2	68.4	14.6	65.5
August	339,122	268,819	52,314	14.9	66.9	14.2	63.8
September	333,600	264,583	51,104	15.1	68.0	14.4	64.6
October	328,657	260,214	50,667	14.4	64.8	14.4	65.0
November	307,282	240,582	49,478	13.9	62.6	14.4	64.6
December	329,335	258,032	53,013	14.4	64.9	14.7	66.3

... Category not applicable.

[1] The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

[2] Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 16. Live births by day of week and index of occurrence by method of delivery, day of week, and race of mother: United States, 1997

Day of week and race of mother	Average number of births	Index of occurrence[1]				
		Total[2]	Method of delivery			
			Vaginal	Cesarean		
				Total	Primary	Repeat
All races[3]	10,633	100.0	100.0	100.0	100.0	100.0
Sunday	7,778	73.2	78.2	54.1	63.9	37.7
Monday	10,861	102.2	100.8	107.3	99.1	121.1
Tuesday	12,104	113.8	111.6	122.2	119.7	126.4
Wednesday	11,723	110.3	108.8	115.8	114.4	118.3
Thursday	11,631	109.4	107.9	114.6	112.0	119.1
Friday	11,640	109.5	106.4	121.0	114.8	131.6
Saturday	8,670	81.5	86.1	64.6	75.9	45.4
White	8,418	100.0	100.0	100.0	100.0	100.0
Sunday	6,003	71.3	76.5	51.7	61.8	35.1
Monday	8,659	102.9	101.4	108.3	99.8	122.5
Tuesday	9,670	114.9	112.6	123.2	120.8	127.1
Wednesday	9,335	110.9	109.4	116.7	115.3	119.0
Thursday	9,268	110.1	108.7	115.2	112.4	119.8
Friday	9,252	109.9	106.7	122.1	115.4	133.2
Saturday	6,723	79.9	84.5	62.5	74.3	42.9
Black	1,644	100.0	100.0	100.0	100.0	100.0
Sunday	1,315	80.0	84.7	63.4	72.2	47.9
Monday	1,633	99.3	98.3	103.1	95.8	116.0
Tuesday	1,814	110.3	108.0	118.4	115.2	124.0
Wednesday	1,775	108.0	106.4	113.5	111.5	116.9
Thursday	1,756	106.8	105.3	112.5	110.9	115.3
Friday	1,771	107.8	105.1	117.0	113.1	124.0
Saturday	1,440	87.6	92.1	71.9	81.2	55.6

[1] Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.
[2] Includes method of delivery not stated.
[3] Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 17. Number, rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 1997

Measure and age of mother	All races[1]	White		Black		Hispanic[2]
		Total	Non-Hispanic	Total	Non-Hispanic	
Number						
All ages	1,257,444	793,202	502,620	415,054	403,536	290,437
Under 15 years	9,685	4,631	2,096	4,682	4,585	2,586
15-19 years	376,117	240,353	155,795	122,986	120,098	84,594
15 years	24,497	14,267	7,509	9,306	9,094	6,820
16 years	50,454	31,232	18,300	17,410	17,000	13,036
17 years	81,302	52,522	33,514	26,006	25,392	19,003
18 years	104,267	67,623	45,580	33,227	32,477	22,030
19 years	115,597	74,709	50,892	37,037	36,135	23,705
20-24 years	438,632	276,764	176,696	145,647	142,037	99,740
25-29 years	234,762	147,318	89,976	76,977	74,542	57,331
30-34 years	124,831	77,543	47,756	41,520	39,948	29,920
35-39 years	59,870	37,878	24,637	19,223	18,467	13,242
40 years and over	13,547	8,715	5,664	4,019	3,859	3,024
Rate per 1,000 unmarried women in specified group						
15-44 years[3]	44.0	37.0	27.0	73.4	—	91.4
15-19 years	42.2	34.2	25.9	86.4	—	75.2
15-17 years	28.2	22.4	15.9	60.6	—	55.0
18-19 years	65.2	53.6	42.3	127.2	—	109.5
20-24 years	71.0	59.2	43.8	127.8	—	139.1
25-29 years	56.2	49.3	34.4	85.2	—	135.0
30-34 years	39.0	34.4	24.5	52.3	—	86.1
35-39 years	19.0	16.7	12.4	24.7	—	42.0
40-44 years[4]	4.6	3.9	2.8	6.5	—	12.2
Percent of births to unmarried women						
All ages	32.4	25.8	21.5	69.2	69.4	40.9
Under 15 years	95.7	92.2	93.6	99.4	99.4	91.3
15-19 years	77.8	71.1	70.9	95.7	95.8	71.6
15 years	93.0	89.4	91.1	99.2	99.2	87.7
16 years	88.5	83.7	85.0	98.6	98.6	82.1
17 years	84.0	78.5	79.6	97.8	97.9	76.7
18 years	77.5	70.9	71.5	95.7	95.9	69.8
19 years	68.6	60.9	60.4	92.1	92.3	62.1
20-24 years	46.6	38.4	35.3	79.8	80.0	46.1
25-29 years	22.0	16.9	13.3	56.8	56.9	30.4
30-34 years	14.1	10.5	7.9	44.1	44.1	24.6
35-39 years	14.6	11.2	8.8	42.7	42.5	25.7
40 years and over	17.1	13.6	10.9	43.0	43.0	27.9

— Data not available.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.
3 Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.
4 Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.

NOTES: For 46 States and the District of Columbia, marital status of mother is reported on the birth certificate; for 4 States, mother's marital status is inferred; see Technical notes. Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available.

Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-97, and by age, race, and Hispanic origin of mother: United States, 1980-97

[Rates are live births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1]

Year and race and Hispanic origin	Age of Mother								
	15-44 years[1]	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years[2]
		Total	15-17 years	18-19 years					
All races[3]									
1997[4]	44.0	42.2	28.2	65.2	71.0	56.2	39.0	19.0	4.6
1996[4]	44.8	42.9	29.0	65.9	70.7	56.8	41.1	20.1	4.8
1995[4]	45.1	44.4	30.5	67.6	70.3	56.1	39.6	19.5	4.7
1994[4]	46.9	46.4	32.0	70.1	72.2	59.0	40.1	19.8	4.7
1993[4]	45.3	44.5	30.6	66.9	69.2	57.1	38.5	19.0	4.4
1992[4]	45.2	44.6	30.4	67.3	68.5	56.5	37.9	18.8	4.1
1991[4]	45.2	44.8	30.9	65.7	68.0	56.5	38.1	18.0	3.8
1990[4]	43.8	42.5	29.6	60.7	65.1	56.0	37.6	17.3	3.6
1989[4]	41.6	40.1	28.7	56.0	61.2	52.8	34.9	16.0	3.4
1988[4]	38.5	36.4	26.4	51.5	56.0	48.5	32.0	15.0	3.2
1987[4]	36.0	33.8	24.5	48.9	52.6	44.5	29.6	13.5	2.9
1986[4]	34.2	32.3	22.8	48.0	49.3	42.2	27.2	12.2	2.7
1985[4]	32.8	31.4	22.4	45.9	46.5	39.9	25.2	11.6	2.5
1984[4,5]	31.0	30.0	21.9	42.5	43.0	37.1	23.3	10.9	2.5
1983[4,5]	30.3	29.5	22.0	40.7	41.8	35.5	22.4	10.2	2.6
1982[4,5]	30.0	28.7	21.5	39.6	41.5	35.1	21.9	10.0	2.7
1981[4,5]	29.5	27.9	20.9	39.0	41.1	34.5	20.8	9.8	2.6
1980[4,5]	29.4	27.6	20.6	39.0	40.9	34.0	21.1	9.7	2.6
1980[5,6]	28.4	27.5	20.7	38.7	39.7	31.4	18.5	8.4	2.3
1975[5,6]	24.5	23.9	19.3	32.5	31.2	27.5	17.9	9.1	2.6
1970[6,7]	26.4	22.4	17.1	32.9	38.4	37.0	27.1	13.6	3.5
White, total									
1997[4]	37.0	34.2	22.4	53.6	59.2	49.3	34.4	16.7	3.9
1996[4]	37.6	34.5	22.7	54.1	59.0	49.9	36.1	17.8	4.3
1995[4]	37.5	35.5	23.6	55.4	58.0	48.7	34.2	16.9	4.2
1994[4]	38.3	36.2	24.1	56.4	58.1	49.7	34.2	17.3	4.3
1993[4]	35.9	33.6	22.1	52.4	54.2	46.7	32.2	16.4	3.9
1992[4]	35.2	33.0	21.6	51.5	52.7	45.4	31.5	16.2	3.6
1991[4]	34.6	32.8	21.8	49.6	51.5	44.6	31.1	15.2	3.2
1990[4]	32.9	30.6	20.4	44.9	48.2	43.0	29.9	14.5	3.2
1989[4]	30.2	28.0	19.3	40.2	43.8	39.1	26.8	13.1	2.9
1988[4]	27.4	25.3	17.6	36.8	39.2	35.4	24.2	12.1	2.7
1987[4]	25.3	23.2	16.2	34.5	36.6	32.0	22.3	10.7	2.4
1986[4]	23.9	21.8	14.9	33.5	34.2	30.5	20.1	9.7	2.2
1985[4]	22.5	20.8	14.5	31.2	31.7	28.5	18.4	9.0	2.0
1984[4,5]	20.6	19.3	13.7	27.9	28.5	25.5	16.8	8.4	2.0
1983[4,5]	19.8	18.7	13.6	26.4	27.1	23.8	15.9	7.8	2.0
1982[4,5]	19.3	18.0	13.1	25.3	26.5	23.1	15.3	7.4	2.1
1981[4,5]	18.6	17.2	12.6	24.6	25.8	22.3	14.2	7.2	1.9
1980[4,5]	18.1	16.5	12.0	24.1	25.1	21.5	14.1	7.1	1.8
White, non-Hispanic									
1997[4]	27.0	25.9	15.9	42.3	43.8	34.4	24.5	12.4	2.8
1996[4]	28.3	27.0	16.9	43.8	44.5	35.7	26.6	13.9	3.3
1995[4]	28.2	27.7	17.6	44.5	43.8	34.9	25.3	13.0	3.2
1994[4]	28.5	28.1	18.0	45.0	43.8	35.0	24.8	12.9	3.1
1993[4]	—	—	—	—	—	—	—	—	—
1992[4]	—	—	—	—	—	—	—	—	—
1991[4]	—	—	—	—	—	—	—	—	—
1990[4,8]	24.4	25.0	16.2	37.0	36.4	30.3	20.5	6.1	

See footnotes at end of table.

Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-97, and by age, race, and Hispanic origin of mother: United States, 1980-97 —Con.

[Rates are live births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1]

Year and race	Age of Mother								
	15-44 years [1]	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years [2]
		Total	15-17 years	18-19 years					
Black, total									
1997 [4]	73.4	86.4	60.6	127.2	127.8	85.2	52.3	24.7	6.5
1996 [4]	74.4	89.2	64.0	129.2	125.8	84.5	54.5	25.5	6.1
1995 [4]	75.9	92.8	68.6	131.2	127.7	84.8	54.3	25.6	6.0
1994 [4]	82.1	100.9	75.1	141.6	138.1	93.6	57.2	26.3	5.9
1993 [4]	84.0	102.4	76.8	141.6	142.2	94.5	57.3	25.9	5.8
1992 [4]	86.5	105.9	78.0	147.8	144.3	98.2	57.7	25.8	5.4
1991 [4]	89.5	108.5	80.4	148.7	147.5	100.9	60.1	25.6	5.4
1990 [4]	90.5	106.0	78.8	143.7	144.8	105.3	61.5	25.5	5.1
1989 [4]	90.7	104.5	78.9	140.9	142.4	102.9	60.5	24.9	5.0
1988 [4]	86.5	96.1	73.5	130.5	133.6	97.2	57.4	24.1	5.0
1987 [4]	82.6	90.9	69.9	123.0	126.1	91.6	53.1	22.4	4.7
1986 [4]	79.0	88.5	67.0	121.1	118.0	84.6	50.0	20.6	4.4
1985 [4]	77.0	87.6	66.8	117.9	113.1	79.3	47.5	20.4	4.3
1984 [4, 5]	75.2	86.1	66.5	113.6	107.9	77.8	43.8	19.4	4.3
1983 [4, 5]	76.2	85.5	66.8	111.9	107.2	79.7	43.8	19.4	4.8
1982 [4, 5]	77.9	85.1	66.3	112.7	109.3	82.7	44.1	19.5	5.2
1981 [4, 5]	79.4	85.0	65.9	114.2	110.7	83.1	45.5	19.6	5.6
1980 [4, 5]	81.1	87.9	68.8	118.2	112.3	81.4	46.7	19.0	5.5
Hispanic [9]									
1997 [4]	91.4	75.2	55.0	109.5	139.1	135.0	86.1	42.0	12.2
1996 [4]	93.2	74.5	53.4	110.4	146.5	139.1	90.8	42.3	12.3
1995 [4]	95.0	78.7	56.3	117.9	148.9	133.8	89.2	43.4	12.2
1994 [4]	101.2	82.6	59.0	123.6	154.8	141.6	95.5	48.4	14.0
1993 [4]	95.2	74.6	51.9	114.6	140.5	137.7	90.9	47.8	14.1
1992 [4]	95.3	72.9	51.0	110.5	142.2	138.3	91.8	48.1	14.5
1991 [4]	93.7	72.4	50.5	109.6	135.4	137.5	89.1	47.7	14.2
1990 [4]	89.6	65.9	45.9	98.9	129.8	131.7	88.1	50.8	13.7

— Data not available.
1 Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.
2 Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.
3 Includes races other than white and black.
4 Data for States in which marital status was not reported have been inferred and included with data from the remaining States; see Technical notes.
5 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.
6 Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see Technical notes.
7 Based on a 50-percent sample of births.
8 Rates for 1990 based on data for 48 States and the District of Columbia which reported Hispanic origin on the birth certificate. Rate shown for ages 35-39 years is based on births to unmarried women aged 35-44 years.
9 Includes all persons of Hispanic origin of any race.

NOTE: Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available.

Table 19. Number and percent of births to unmarried women by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997

[By place of residence]

State	Births to unmarried women						Percent unmarried					
		White		Black				White		Black		
	All races [1]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [2]	All races [1]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [2]
United States [3]	1,257,444	793,202	502,620	415,054	403,536	290,437	32.4	25.8	21.5	69.2	69.4	40.9
Alabama	20,635	6,841	6,602	13,676	13,665	244	33.9	16.9	16.8	69.0	69.0	23.1
Alaska	3,048	1,422	1,293	190	183	171	30.6	21.6	21.2	41.6	41.2	28.1
Arizona	28,495	22,940	9,315	1,616	1,539	13,783	37.6	34.6	24.6	64.6	64.8	48.4
Arkansas	12,478	6,495	5,987	5,837	5,822	510	34.2	23.1	22.6	74.6	74.7	33.1
California	172,017	138,242	38,396	23,242	22,561	100,674	32.8	32.4	21.6	62.3	62.5	40.4
Colorado	14,273	12,340	7,078	1,424	1,360	5,372	25.2	23.9	18.3	55.1	54.7	40.6
Connecticut	14,116	9,762	5,606	3,768	3,432	3,786	32.7	27.0	19.7	70.2	70.1	66.3
Delaware	3,693	1,890	1,556	1,781	1,761	325	36.0	25.1	22.7	71.5	71.5	51.0
District of Columbia	5,041	474	112	4,530	4,430	384	63.6	24.0	8.8	77.9	78.0	55.3
Florida	69,285	39,076	26,872	29,284	28,723	12,838	36.0	27.1	24.9	67.3	67.5	34.4
Georgia	41,879	14,819	12,602	26,703	26,528	2,138	35.4	19.6	18.6	67.2	67.3	29.8
Hawaii	5,202	767	598	122	110	961	29.9	17.1	15.9	21.1	20.0	44.8
Idaho	3,848	3,638	2,899	31	29	686	20.7	20.2	18.8	46.3	46.0	29.0
Illinois	60,443	32,515	19,832	27,326	27,186	12,803	33.4	23.5	18.8	77.0	77.1	38.6
Indiana	27,184	20,363	18,896	6,668	6,645	1,378	32.6	27.7	27.1	75.9	76.0	40.4
Iowa	9,601	8,493	7,867	828	793	570	26.2	24.6	24.1	75.3	75.6	35.6
Kansas	10,274	8,014	6,642	1,948	1,927	1,355	27.6	24.1	22.6	69.5	69.7	38.1
Kentucky	15,669	12,213	11,993	3,341	3,333	230	29.5	25.5	25.4	71.9	72.0	31.6
Louisiana	29,011	8,847	8,521	19,860	19,843	343	43.9	23.5	23.4	73.2	73.2	27.2
Maine	4,060	3,934	3,697	34	26	36	29.7	29.5	29.2	42.0	38.2	29.8
Maryland	23,493	9,133	7,860	14,065	13,825	1,202	33.5	20.5	19.2	61.3	61.5	36.7
Massachusetts	20,836	15,497	11,287	4,571	3,677	4,991	25.9	22.6	18.4	59.2	59.2	60.6
Michigan	44,454	25,522	21,197	18,277	18,058	2,205	33.2	24.1	22.6	75.3	75.4	40.4
Minnesota	16,141	12,259	10,684	2,213	2,185	1,231	25.0	21.5	20.9	66.5	66.5	46.9
Mississippi	18,859	4,320	4,228	14,366	14,361	91	45.4	19.6	19.5	75.7	75.7	27.7
Missouri	24,516	15,603	14,950	8,568	8,549	667	33.1	25.3	25.0	77.7	77.7	37.9
Montana	3,119	2,190	1,992	12	8	126	28.7	23.2	22.6	*	*	41.7
Nebraska	6,021	4,792	3,867	907	897	790	25.8	22.5	20.6	72.4	72.6	39.9
Nevada	9,555	7,475	4,269	1,461	1,413	3,192	35.5	32.7	28.2	68.6	68.5	41.4
New Hampshire	3,404	3,326	3,090	53	51	88	23.8	23.8	23.1	51.0	53.1	38.6
New Jersey	31,738	17,290	8,493	13,951	13,072	9,581	28.0	20.5	12.8	66.3	67.7	48.8
New Mexico	11,696	8,993	2,494	287	266	6,591	43.5	39.6	26.1	56.7	55.8	49.5
New York	90,673	51,091	21,573	36,866	31,580	29,141	35.2	27.7	18.3	66.8	66.9	57.5
North Carolina	34,468	15,074	12,418	18,297	18,246	2,717	32.2	19.9	18.0	66.6	66.6	39.3
North Dakota	2,174	1,575	1,484	24	24	45	26.0	21.3	20.9	28.6	30.0	26.5
Ohio	51,544	33,740	32,174	17,470	17,069	1,594	33.9	26.6	26.1	77.2	77.2	46.4
Oklahoma	15,660	9,955	8,914	3,392	3,343	1,063	32.4	26.2	25.7	71.5	71.5	33.0
Oregon	12,631	11,230	9,072	625	612	2,188	28.8	27.9	26.4	66.8	67.0	37.4
Pennsylvania	47,234	30,736	26,472	15,886	15,544	4,207	32.8	25.6	23.4	77.8	77.9	63.5
Rhode Island	4,128	3,259	1,949	613	506	1,008	33.1	29.9	25.2	64.8	65.1	56.6
South Carolina	19,857	6,869	6,508	12,866	12,854	366	38.0	20.8	20.4	69.9	69.9	32.4
South Dakota	3,166	1,920	1,875	36	35	45	31.1	22.8	22.6	39.6	39.3	31.9
Tennessee	25,383	13,160	12,617	11,992	11,972	566	34.1	23.1	22.8	73.5	73.5	32.9
Texas	102,496	76,413	26,946	24,891	24,539	49,506	30.7	26.9	19.6	63.0	63.0	33.8
Utah	7,145	6,449	4,902	145	135	1,562	16.6	15.8	13.4	55.8	55.8	36.3
Vermont	1,726	1,712	1,637	10	10	5	26.1	26.2	26.0	*	*	*
Virginia	26,908	13,097	11,241	13,388	13,328	1,916	29.3	19.6	18.3	63.5	63.6	35.7
Washington	21,218	17,335	13,558	1,732	1,638	3,479	27.1	25.6	23.9	54.4	55.2	37.3
West Virginia	6,495	5,912	5,889	568	566	25	31.3	29.8	29.8	76.0	76.1	30.5
Wisconsin	18,707	12,602	11,254	5,287	5,253	1,425	28.1	22.0	20.7	82.4	82.5	44.4
Wyoming	1,747	1,588	1,362	26	24	237	27.4	26.2	24.6	41.9	41.4	44.1
Puerto Rico	29,345	26,381	—	2,959	—	—	45.8	44.5	—	62.4	—	—
Virgin Islands	1,368	206	25	1,145	1,014	242	67.8	56.7	29.4	71.8	72.3	64.5
Guam	2,125	73	64	16	15	6	49.3	17.3	17.2	*	*	*
American Samoa	567	—	—	—	—	—	34.7	—	—	—	—	—

* Figure does not meet standards of reliability or precision.
— Data not available.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.
3 Excludes data for Puerto Rico, Virgin Islands, Guam and American Samoa.

Table 20. Birth rates by age and race of father: United States, 1980-97

[Rates are live births per 1,000 men in specified group, enumerated as of April 1 for 1980 and 1990 and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	15-54 years [1]	Age of father								
		15-19 years [2]	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55 years and over
All races [3]										
1997	50.4	22.2	83.4	108.5	95.7	52.1	20.6	7.1	2.5	0.3
1996	51.1	23.0	84.4	107.7	94.3	51.5	20.4	6.9	2.5	0.3
1995	52.0	24.3	86.0	107.2	93.3	51.0	20.3	7.1	2.6	0.3
1994	53.2	25.0	87.3	108.8	93.3	50.9	20.2	7.2	2.6	0.3
1993	54.4	24.8	87.1	110.8	93.5	51.1	20.2	7.3	2.7	0.4
1992	55.8	24.6	87.7	113.1	94.2	51.3	20.4	7.3	2.7	0.4
1991	57.1	24.8	88.0	114.7	95.1	51.8	20.2	7.5	2.7	0.4
1990	58.4	23.5	88.0	116.4	97.8	53.0	21.0	7.5	2.8	0.4
1989	57.2	21.9	85.4	114.3	94.8	51.3	20.4	7.4	2.7	0.6
1988	55.8	19.6	82.4	111.6	93.2	49.9	19.9	7.1	2.7	0.4
1987	55.0	18.3	80.5	109.9	91.2	48.6	19.0	6.9	2.6	0.4
1986	54.8	17.9	80.3	109.6	90.3	46.8	18.3	6.7	2.6	0.4
1985	55.6	18.0	81.2	112.3	91.1	47.3	18.1	6.6	2.5	0.4
1984 [4]	55.0	17.8	80.7	111.4	89.9	46.0	17.8	6.3	2.4	0.4
1983 [4]	55.1	18.2	82.6	113.0	89.1	45.2	17.4	6.4	2.3	0.4
1982 [4]	56.4	18.6	86.5	117.3	90.3	44.5	17.5	6.4	2.3	0.4
1981 [4]	56.3	18.4	88.4	119.1	88.7	43.3	17.0	6.2	2.3	0.4
1980 [4]	57.0	18.8	92.0	123.1	91.0	42.8	17.1	6.1	2.2	0.3
White										
1997	47.7	18.2	76.1	106.8	95.3	50.6	19.1	6.3	2.1	0.3
1996	48.4	18.8	77.2	106.4	94.0	50.2	19.0	6.2	2.1	0.2
1995	49.2	19.7	78.5	105.7	92.9	49.6	19.0	6.3	2.2	0.2
1994	50.0	19.8	78.5	106.4	92.5	49.3	18.9	6.3	2.2	0.3
1993	50.9	19.2	77.9	108.0	92.4	49.2	18.6	6.4	2.2	0.2
1992	52.2	18.9	78.2	110.1	93.2	49.3	18.8	6.4	2.2	0.3
1991	53.3	19.1	78.4	111.5	93.6	49.7	18.5	6.5	2.2	0.3
1990	54.6	18.1	78.3	113.2	96.1	50.9	19.2	6.5	2.2	0.3
1989	53.3	16.7	75.9	110.8	93.0	49.1	18.7	6.3	2.1	0.4
1988	52.2	14.8	73.7	108.3	91.2	47.6	18.1	6.1	2.1	0.3
1987	51.6	13.9	72.8	107.0	89.5	46.2	17.3	5.9	2.0	0.3
1986	51.7	13.8	73.3	107.0	88.7	44.4	16.6	5.7	2.0	0.3
1985	52.6	14.0	74.7	109.9	89.5	44.8	16.3	5.6	1.9	0.3
1984 [4]	51.8	14.0	74.3	108.8	87.9	43.5	16.0	5.3	1.9	0.3
1983 [4]	52.0	14.4	76.3	110.2	86.8	42.6	15.5	5.3	1.8	0.3
1982 [4]	53.1	14.9	80.1	114.2	87.5	41.7	15.6	5.3	1.9	0.3
1981 [4]	52.9	15.0	81.7	115.8	85.8	40.3	15.0	5.2	1.8	0.3
1980 [4]	53.4	15.4	84.9	119.4	87.8	39.7	15.0	5.1	1.8	0.3
Black										
1997	68.0	45.6	136.6	130.2	91.8	53.3	26.1	11.7	5.5	1.1
1996	68.3	47.2	138.0	127.2	89.3	52.3	25.7	11.6	5.5	1.1
1995	70.1	50.5	140.5	126.6	89.6	52.6	25.7	12.1	5.6	1.1
1994	74.9	54.6	150.5	131.9	92.9	54.2	26.4	13.0	6.0	1.1
1993	78.3	56.6	153.8	136.0	95.3	56.6	27.7	13.5	6.4	1.3
1992	81.0	57.4	158.0	140.1	96.8	56.9	28.4	13.9	6.2	1.4
1991	83.4	58.0	158.5	143.3	100.1	58.8	29.4	14.2	6.7	1.4
1990	84.9	55.2	158.2	144.9	103.2	60.4	31.1	15.0	7.1	1.4
1989	84.1	52.9	153.4	143.5	101.4	59.9	31.1	14.9	6.9	2.7
1988	80.7	48.1	144.1	137.9	100.0	58.0	30.6	14.3	6.9	1.4
1987	78.3	44.6	136.1	133.9	97.4	58.0	30.0	13.8	6.6	1.3
1986	77.2	42.6	131.4	131.6	97.4	58.0	29.1	13.5	6.7	1.3
1985	77.2	41.8	129.5	132.7	97.3	59.4	29.5	13.3	6.5	1.2
1984 [4]	76.7	40.9	128.0	132.2	98.3	58.4	29.3	13.3	6.1	1.2
1983 [4]	77.2	40.7	129.1	134.4	99.0	59.6	29.6	13.5	6.0	1.2
1982 [4]	79.5	40.3	133.4	141.2	103.6	61.1	29.6	13.9	6.0	1.2
1981 [4]	80.4	38.9	138.4	145.6	104.3	61.3	29.7	13.3	5.7	1.2
1980 [4]	83.0	40.1	145.3	152.8	109.6	62.0	31.2	13.6	5.9	1.1

[1] Rates computed by relating total births, regardless of age of father, to men aged 15-54 years.
[2] Rates computed by relating births of fathers under 20 years of age to men aged 15-19 years.
[3] Includes races other than white and black.
[4] Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all men (including Hispanic men) are classified only according to their race; see Technical notes.

Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 1997

Age and race of mother	Total	Years of school completed by mother						Percent 12 years or more	Percent 16 years or more
		0-8 years	9-11 years	12 years	13-15 years	16 years or more	Not Stated		
All races [1]									
All ages	3,880,894	224,911	620,586	1,257,946	848,379	872,733	56,339	77.9	22.8
Under 15 years	10,121	7,662	2,114	-	-	-	345	-	-
15-19 years	483,220	42,406	257,957	152,407	22,352	-	8,098	36.8	-
15 years	26,340	8,561	17,034	-	-	-	745	-	-
16 years	57,038	7,492	47,188	1,251	-	-	1,107	2.2	-
17 years	96,776	7,790	73,070	13,962	318	-	1,636	15.0	-
18 years	134,595	8,748	64,883	54,967	3,989	-	2,008	44.5	-
19 years	168,471	9,815	55,782	82,227	18,045	-	2,602	60.5	-
20-24 years	942,048	60,597	188,561	412,416	218,654	48,205	13,615	73.2	5.2
25-29 years	1,069,436	53,137	99,328	344,535	281,965	276,014	14,457	85.5	26.2
30-34 years	886,798	36,317	48,766	229,782	213,767	346,265	11,901	90.3	39.6
35-39 years	409,710	19,150	19,972	100,508	94,325	169,440	6,315	90.3	42.0
40 years and over	79,561	5,642	3,888	18,298	17,316	32,809	1,608	87.8	42.1
White, total									
All ages	3,072,640	196,441	451,023	969,727	670,870	745,496	39,083	78.7	24.6
Under 15 years	5,021	3,784	1,063	-	-	-	174	-	-
15-19 years	338,272	34,967	175,948	107,113	15,000	-	5,244	36.7	-
15 years	15,959	5,553	10,000	-	-	-	406	-	-
16 years	37,324	5,764	30,022	857	-	-	681	2.3	-
17 years	66,882	6,734	49,216	9,595	226	-	1,111	14.9	-
18 years	95,436	7,868	45,744	37,842	2,654	-	1,328	43.0	-
19 years	122,671	9,048	40,966	58,819	12,120	-	1,718	58.7	-
20-24 years	720,546	56,059	142,900	310,764	163,600	37,766	9,457	72.0	5.3
25-29 years	871,636	48,128	77,710	273,790	227,115	234,824	10,069	85.4	27.3
30-34 years	735,571	32,140	36,643	184,448	174,775	299,091	8,474	90.5	41.1
35-39 years	337,423	16,735	14,094	79,669	76,587	145,826	4,512	90.7	43.8
40 years and over	64,171	4,628	2,665	13,943	13,793	27,989	1,153	88.4	44.4
White, non-Hispanic									
All ages	2,333,363	41,659	256,605	757,734	570,573	686,483	20,309	87.1	29.7
Under 15 years	2,240	1,731	448	-	-	-	61	-	-
15-19 years	219,857	13,087	112,161	80,571	11,564	-	2,474	42.4	-
15 years	8,244	2,757	5,306	-	-	-	181	-	-
16 years	21,536	2,676	17,989	570	-	-	301	2.7	-
17 years	42,088	2,644	31,994	6,786	155	-	509	16.7	-
18 years	63,787	2,570	30,393	28,196	1,985	-	643	47.8	-
19 years	84,202	2,440	26,479	45,019	9,424	-	840	65.3	-
20-24 years	500,928	11,433	81,350	237,112	133,461	33,211	4,361	81.3	6.7
25-29 years	674,498	7,717	37,116	213,989	194,427	215,954	5,295	93.3	32.3
30-34 years	603,304	4,605	17,000	148,805	151,660	276,328	4,906	96.4	46.2
35-39 years	280,393	2,384	7,218	65,869	67,311	135,029	2,582	96.5	48.6
40 years and over	52,143	702	1,312	11,388	12,150	25,961	630	96.1	50.4
Black, total									
All ages	599,913	17,272	145,147	229,003	134,490	61,868	12,133	72.4	10.5
Under 15 years	4,712	3,588	969	-	-	-	155	-	-
15-19 years	128,539	6,345	73,386	39,978	6,395	-	2,435	36.8	-
15 years	9,381	2,726	6,362	-	-	-	293	-	-
16 years	17,658	1,522	15,415	345	-	-	376	2.0	-
17 years	26,595	874	21,336	3,856	78	-	451	15.0	-
18 years	34,712	667	17,117	15,198	1,156	-	574	47.9	-
19 years	40,193	556	13,156	20,579	5,161	-	741	65.2	-
20-24 years	182,600	2,569	39,422	84,898	45,254	7,293	3,164	76.6	4.1
25-29 years	135,529	1,864	16,859	53,271	40,483	20,250	2,802	85.9	15.3
30-34 years	94,123	1,581	9,107	32,960	27,562	20,748	2,165	88.4	22.6
35-39 years	45,069	959	4,508	14,848	12,394	11,206	1,154	87.6	25.5
40 years and over	9,341	366	896	3,048	2,402	2,371	258	86.1	26.1

See footnotes at end of table.

Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race of mother: United States, 1997 —Con.

Age and race of mother	Total	Years of school completed by mother						Percent 12 years or more	Percent 16 years or more
		0-8 years	9-11 years	12 years	13-15 years	16 years or more	Not Stated		
Black, non-Hispanic									
All ages	581,431	15,872	140,790	222,692	131,000	60,248	10,829	72.5	10.6
Under 15 years	4,613	3,526	941	-	-	-	146	-	-
15-19 years	125,343	6,128	71,633	39,106	6,220	-	2,256	36.8	-
15 years	9,163	2,674	6,212	-	-	-	277	-	-
16 years	17,235	1,483	15,065	336	-	-	351	2.0	-
17 years	25,940	835	20,882	3,734	76	-	413	14.9	-
18 years	33,870	638	16,681	14,895	1,124	-	532	48.1	-
19 years	39,135	498	12,793	20,141	5,020	-	683	65.4	-
20-24 years	177,494	2,245	38,264	82,877	44,089	7,132	2,887	76.8	4.1
25-29 years	130,942	1,538	16,101	51,662	39,417	19,745	2,479	86.3	15.4
30-34 years	90,637	1,284	8,689	31,772	26,839	20,161	1,892	88.8	22.7
35-39 years	43,434	839	4,295	14,342	12,093	10,906	959	87.9	25.7
40 years and over	8,968	312	867	2,933	2,342	2,304	210	86.5	26.3
Hispanic [2]									
All ages	709,767	155,599	194,592	205,465	93,925	46,973	13,213	49.7	6.7
Under 15 years	2,833	2,094	636	-	-	-	103	-	-
15-19 years	118,122	21,911	63,974	26,455	3,442	-	2,340	25.8	-
15 years	7,778	2,813	4,764	-	-	-	201	-	-
16 years	15,870	3,078	12,166	289	-	-	337	1.9	-
17 years	24,768	4,100	17,233	2,842	72	-	521	12.0	-
18 years	31,542	5,291	15,373	9,637	676	-	565	33.3	-
19 years	38,164	6,629	14,438	13,687	2,694	-	716	43.7	-
20-24 years	216,152	44,804	61,359	72,162	29,499	4,253	4,075	49.9	2.0
25-29 years	188,669	40,651	40,639	57,617	30,583	15,767	3,412	56.1	8.5
30-34 years	121,539	27,752	19,734	33,814	20,708	17,424	2,107	60.2	14.6
35-39 years	51,601	14,425	6,910	13,006	8,242	8,064	954	57.9	15.9
40 years and over	10,851	3,962	1,340	2,411	1,451	1,465	222	50.1	13.8

- Quantity zero.
[1] Includes races other than white and black.
[2] Includes all persons of Hispanic origin of any race.

Table 22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation, race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1997

Period of gestation [1] and race and Hispanic origin of mother	All births	Weight gain during pregnancy									Median weight gain in pounds
		Less than 16 pounds	16-20 pounds	21-25 pounds	26-30 pounds	31-35 pounds	36-40 pounds	41-45 pounds	46 pounds or more	Not stated	
	Number										
All gestation periods [2]											
All races [3]	3,356,054	343,135	333,214	438,876	571,339	440,185	392,319	207,508	351,293	278,185	...
White, total	2,646,409	245,325	251,875	348,586	463,127	364,038	320,670	170,891	280,887	201,010	...
White, non-Hispanic	2,155,500	190,213	198,880	286,263	385,913	308,016	271,844	145,919	239,412	129,040	...
Black, total	562,593	83,291	65,280	69,318	82,489	57,399	55,959	29,185	59,464	60,208	...
Black, non-Hispanic	545,322	81,489	63,556	67,082	79,983	55,200	54,052	28,168	57,523	58,269	...
Hispanic [4]	460,819	52,903	50,899	59,061	71,947	52,093	45,487	22,995	38,837	66,597	...
Under 37 weeks											
All races [3]	386,344	61,274	47,970	51,343	57,446	38,929	34,267	17,830	33,617	43,668	...
White, total	271,501	37,950	32,521	36,925	42,205	29,666	25,512	13,749	25,160	27,813	...
White, non-Hispanic	215,540	28,949	25,435	29,858	34,480	24,661	21,271	11,590	21,260	18,036	...
Black, total	98,868	20,902	13,372	12,149	12,791	7,689	7,410	3,491	7,501	13,583	...
Black, non-Hispanic	96,412	20,522	13,050	11,821	12,490	7,429	7,198	3,393	7,296	13,213	...
Hispanic [4]	53,520	8,725	6,866	6,816	7,352	4,778	4,058	2,035	3,682	9,208	...
37-39 weeks											
All races [3]	1,558,672	154,288	157,619	211,878	275,268	209,445	181,645	93,583	153,903	121,043	...
White, total	1,229,126	111,516	119,335	168,368	222,693	172,321	147,854	76,627	122,237	88,175	...
White, non-Hispanic	1,002,059	86,419	94,227	138,471	185,782	145,701	124,985	65,363	103,944	57,167	...
Black, total	257,231	35,988	30,132	32,790	39,190	27,671	26,239	13,472	26,713	25,036	...
Black, non-Hispanic	249,594	35,207	29,388	31,775	38,047	26,647	25,363	13,017	25,834	24,316	...
Hispanic [4]	214,097	24,213	24,158	28,371	34,439	24,870	21,441	10,436	17,319	28,850	...
40 weeks and over											
All races [3]	1,398,825	126,520	127,018	174,878	237,704	191,197	175,824	95,830	163,216	106,638	...
White, total	1,137,731	95,308	99,639	142,806	197,578	161,614	146,898	80,320	133,114	80,454	...
White, non-Hispanic	932,465	74,461	78,968	117,576	165,147	137,303	125,267	68,818	113,905	51,020	...
Black, total	203,754	26,076	21,629	24,256	30,356	21,953	22,222	12,181	25,139	19,942	...
Black, non-Hispanic	196,786	25,445	20,978	23,368	29,298	21,043	21,406	11,719	24,289	19,240	...
Hispanic [4]	191,160	19,808	19,751	23,751	30,018	22,365	19,903	10,479	17,771	27,314	...
	Percent distribution										
All gestation periods [2]											
All races [3]	100.0	11.1	10.8	14.3	18.6	14.3	12.7	6.7	11.4	...	30.5
White, total	100.0	10.0	10.3	14.3	18.9	14.9	13.1	7.0	11.5	...	30.6
White, non-Hispanic	100.0	9.4	9.8	14.1	19.0	15.2	13.4	7.2	11.8	...	30.8
Black, total	100.0	16.6	13.0	13.8	16.4	11.4	11.1	5.8	11.8	...	29.7
Black, non-Hispanic	100.0	16.7	13.0	13.8	16.4	11.3	11.1	5.8	11.8	...	29.6
Hispanic [4]	100.0	13.4	12.9	15.0	18.3	13.2	11.5	5.8	9.9	...	29.8
Under 37 weeks											
All races [3]	100.0	17.9	14.0	15.0	16.8	11.4	10.0	5.2	9.8	...	27.4
White, total	100.0	15.6	13.3	15.2	17.3	12.2	10.5	5.6	10.3	...	28.5
White, non-Hispanic	100.0	14.7	12.9	15.1	17.5	12.5	10.8	5.9	10.8	...	29.1
Black, total	100.0	24.5	15.7	14.2	15.0	9.0	8.7	4.1	8.8	...	25.3
Black, non-Hispanic	100.0	24.7	15.7	14.2	15.0	8.9	8.7	4.1	8.8	...	25.3
Hispanic [4]	100.0	19.7	15.5	15.4	16.6	10.8	9.2	4.6	8.3	...	25.9
37-39 weeks											
All races [3]	100.0	10.7	11.0	14.7	19.1	14.6	12.6	6.5	10.7	...	30.4
White, total	100.0	9.8	10.5	14.8	19.5	15.1	13.0	6.7	10.7	...	30.5
White, non-Hispanic	100.0	9.1	10.0	14.7	19.7	15.4	13.2	6.9	11.0	...	30.6
Black, total	100.0	15.5	13.0	14.1	16.9	11.9	11.3	5.8	11.5	...	30.0
Black, non-Hispanic	100.0	15.6	13.0	14.1	16.9	11.8	11.3	5.8	11.5	...	30.0
Hispanic [4]	100.0	13.1	13.0	15.3	18.6	13.4	11.6	5.6	9.3	...	29.6
40 weeks and over											
All races [3]	100.0	9.8	9.8	13.5	18.4	14.8	13.6	7.4	12.6	...	30.8
White, total	100.0	9.0	9.4	13.5	18.7	15.3	13.9	7.6	12.6	...	30.9
White, non-Hispanic	100.0	8.4	9.0	13.3	18.7	15.6	14.2	7.8	12.9	...	31.3
Black, total	100.0	14.2	11.8	13.2	16.5	11.9	12.1	6.6	13.7	...	30.4
Black, non-Hispanic	100.0	14.3	11.8	13.2	16.5	11.9	12.1	6.6	13.7	...	30.4
Hispanic [4]	100.0	12.1	12.1	14.5	18.3	13.7	12.1	6.4	10.8	...	30.3

— Category not applicable.
1 Expressed in completed weeks.
2 Includes births with period of gestation not stated.
3 Includes races other than white and black and origin not stated.
4 Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

Table 23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 1997

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

Period of gestation [1] and race and Hispanic origin of mother	Total	Weight gain during pregnancy								
		Less than 16 pounds	16-20 pounds	21-25 pounds	26-30 pounds	31-35 pounds	36-40 pounds	41-45 pounds	46 pounds or more	Not stated
All gestation periods [2]										
All races [3]	7.7	14.5	10.7	7.9	6.2	5.1	5.0	4.8	5.3	11.9
White, total	6.6	12.1	9.3	7.0	5.5	4.6	4.4	4.5	4.9	10.0
White, non-Hispanic	6.6	12.3	9.5	7.0	5.4	4.6	4.4	4.5	4.9	10.5
Black, total	13.1	21.6	16.4	12.9	10.5	8.5	8.2	7.1	7.3	19.0
Black, non-Hispanic	13.2	21.7	16.4	13.0	10.6	8.6	8.3	7.2	7.3	19.0
Hispanic, total [4]	6.9	11.6	8.5	6.8	5.5	4.6	4.6	4.2	4.5	9.0
Mexican [4]	6.3	10.4	7.4	6.0	4.9	4.2	4.0	3.9	4.1	8.3
Puerto Rican [4]	9.4	16.6	12.8	9.7	8.2	6.7	6.1	5.2	5.7	14.6
Cuban [4]	6.8	15.7	10.9	8.0	6.1	3.7	4.2	5.8	5.2	13.7
Central and South American [4]	6.4	11.2	8.5	6.8	5.5	4.2	4.7	3.7	4.2	8.4
Other and unknown Hispanic [4]	8.2	13.2	11.3	8.1	6.7	5.6	5.5	4.6	5.0	11.9
Under 37 weeks										
All races [3]	44.1	58.1	49.3	43.0	38.1	35.4	34.8	34.5	35.4	54.1
White, total	42.3	55.8	47.8	41.8	36.9	34.8	34.3	34.6	35.5	51.6
White, non-Hispanic	43.4	57.9	49.9	43.2	37.8	35.8	35.1	35.4	36.5	55.2
Black, total	49.9	62.9	53.9	47.2	42.8	38.3	37.1	35.0	35.4	60.2
Black, non-Hispanic	50.0	63.0	54.0	47.4	43.0	38.5	37.2	35.2	35.6	60.1
Hispanic [4]	37.3	48.1	40.1	35.5	31.7	29.1	29.8	27.8	28.4	44.0
37-39 weeks										
All races [3]	4.3	6.8	5.8	4.6	3.8	3.2	3.2	3.2	3.3	5.3
White, total	3.7	5.9	5.0	4.0	3.4	2.8	2.8	2.9	3.0	4.3
White, non-Hispanic	3.7	5.9	5.1	4.0	3.3	2.8	2.8	2.9	3.0	4.3
Black, total	7.0	9.9	8.6	7.5	6.2	5.3	5.2	4.9	4.7	8.5
Black, non-Hispanic	7.0	10.0	8.7	7.6	6.2	5.3	5.2	5.0	4.8	8.6
Hispanic [4]	4.0	5.9	5.0	4.3	3.6	3.1	3.1	2.9	3.0	4.5
40 weeks and over										
All races [3]	1.5	2.7	2.1	1.7	1.3	1.0	1.0	0.9	0.9	2.1
White, total	1.2	2.2	1.7	1.4	1.1	0.9	0.8	0.8	0.8	1.7
White, non-Hispanic	1.2	2.1	1.7	1.4	1.1	0.8	0.8	0.8	0.8	1.6
Black, total	2.9	4.6	3.9	3.0	2.5	2.2	2.2	1.6	1.5	3.7
Black, non-Hispanic	2.9	4.6	3.9	3.1	2.5	2.2	2.2	1.6	1.5	3.8
Hispanic [4]	1.5	2.5	1.8	1.6	1.4	1.1	1.0	0.8	1.1	1.8

[1] Expressed in completed weeks.
[2] Includes births with period of gestation not stated.
[3] Includes races other than white and black and origin not stated.
[4] Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

Table 24. Percent of births with selected medical or health characteristics, by specified race of mother, by place of birth of mother: United States, 1997

Characteristic	All races	White	Black	American Indian [1]	Asian or Pacific Islander				
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
All Births										
Mother										
Prenatal care beginning in the first trimester	82.5	84.7	72.3	68.1	82.1	87.4	89.3	78.0	83.3	79.7
Late or no prenatal care	3.9	3.2	7.3	8.6	3.8	2.4	2.7	5.4	3.3	4.4
Smoker [2]	13.2	14.3	9.7	20.8	3.2	1.0	4.7	15.8	3.4	2.5
Drinker [3]	1.2	1.1	1.7	3.6	0.4	0.2	1.0	1.7	0.3	0.3
Weight gain of less than 16 lbs [4]	11.1	10.0	16.6	15.3	9.9	6.4	12.6	13.1	8.4	10.6
Median weight gain [4]	30.5	30.6	29.7	30.2	30.0	30.3	26.0	30.6	30.3	29.5
Cesarean delivery rate	20.8	20.7	21.8	18.0	19.0	19.1	15.1	16.2	22.5	18.3
Infant										
Preterm births [5]	11.4	10.2	17.5	12.2	10.2	7.4	8.1	11.0	11.9	10.6
Birthweight										
Very low birthweight [6]	1.4	1.1	3.0	1.2	1.1	0.7	0.8	1.4	1.3	1.1
Low birthweight [7]	7.5	6.5	13.0	6.8	7.2	5.1	6.8	7.2	8.3	7.5
4,000 grams or more [8]	10.1	11.2	5.3	12.4	5.8	6.5	4.8	8.3	5.8	5.6
5-minute Apgar score of less than 7 [9]	1.4	1.2	2.4	1.4	1.0	0.7	0.9	1.6	1.2	1.0
Births to mothers born in the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	84.0	86.8	71.9	67.9	82.0	91.9	90.2	78.0	81.5	77.9
Late or no prenatal care	3.5	2.6	7.3	8.7	4.4	1.8	2.8	5.4	4.2	5.3
Smoker [2]	15.1	16.1	10.7	21.3	10.6	5.7	6.6	15.8	8.3	9.8
Drinker [3]	1.3	1.2	1.8	3.7	1.1	*	*	1.7	0.8	0.9
Weight gain of less than 16 lbs [4]	11.0	9.7	16.9	15.4	10.8	7.8	14.5	13.1	10.5	8.3
Median weight gain [4]	30.6	30.7	29.6	30.1	30.4	30.2	26.9	30.6	30.6	30.8
Cesarean delivery rate	21.0	20.9	21.6	17.9	16.7	17.0	17.2	16.2	17.2	16.2
Infant										
Preterm births [5]	11.5	10.2	17.9	12.3	10.8	9.2	9.3	11.0	11.8	11.0
Birthweight										
Very low birthweight [6]	1.5	1.1	3.0	1.2	1.2	0.7	0.9	1.4	1.2	1.3
Low birthweight [7]	7.7	6.6	13.3	6.7	7.7	7.2	7.2	7.2	9.0	7.5
4,000 grams or more [8]	10.4	11.5	5.0	12.5	7.2	5.3	6.0	8.3	5.5	8.8
5-minute Apgar score of less than 7 [9]	1.5	1.2	2.5	1.3	1.3	*	1.2	1.6	1.4	1.2
Births to mothers born outside the 50 Sates and D.C.										
Mother										
Prenatal care beginning in the first trimester	76.4	74.9	75.7	73.8	82.1	86.9	88.6	80.0	83.8	79.8
Late or no prenatal care	5.7	6.2	6.4	6.6	3.7	2.4	2.6	*	3.1	4.3
Smoker [2]	2.8	3.3	1.8	7.0	1.7	0.6	3.2	*	2.4	1.8
Drinker [3]	0.5	0.6	0.4	*	0.2	*	1.2	*	0.2	0.2
Weight gain of less than 16 lbs [4]	12.1	12.5	13.5	12.7	9.7	6.3	11.3	*	8.0	10.8
Median weight gain [4]	29.9	29.9	30.1	30.2	29.7	30.3	25.8	32.5	30.3	29.1
Cesarean delivery rate	20.1	19.8	23.9	18.1	19.4	19.3	13.6	19.0	23.6	18.5
Infant										
Preterm births [5]	10.6	10.3	14.2	10.9	10.1	7.2	7.2	*	11.9	10.6
Birthweight										
Very low birthweight [6]	1.1	1.0	2.5	1.1	1.0	0.7	0.7	*	1.3	1.0
Low birthweight [7]	6.4	5.8	9.7	8.2	7.1	4.8	6.5	*	8.2	7.5
4,000 grams or more [8]	8.9	9.9	8.4	8.1	5.6	6.6	3.8	*	5.9	5.3
5-minute Apgar score of less than 7 [9]	1.2	1.1	1.8	1.7	1.0	0.8	0.7	*	1.2	1.0

* Figure does not meet standards of reliability or precision.
1 Includes births to Aleuts and Eskimos.
2 Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not report tobacco use on the birth certificate.
3 Excludes data for California and South Dakota, which did not report alcohol use on the birth certificate.
4 Excludes data for California, which did not report weight gain on the birth certificate. Median weight shown in pounds.
5 Born prior to 37 completed weeks of gestation.
6 Birthweight of less than 1,500 grams (3 lb 4 oz).
7 Birthweight of less than 2,500 grams (5 lb 8 oz).
8 Equivalent to 8 lb 14 oz.
9 Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 1997

Characteristic	All origins [1]	Origin of mother								
		Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total [2]	White	Black
All Births										
Mother										
Prenatal care beginning in the first trimester	82.5	73.7	72.1	76.5	90.4	76.9	76.0	84.5	87.9	72.3
Late or no prenatal care	3.9	6.2	6.7	5.4	1.5	5.0	5.3	3.4	2.4	7.3
Smoker [3]	13.2	4.1	2.9	11.0	4.2	1.8	8.5	14.7	16.5	9.8
Drinker [4]	1.2	0.7	0.6	1.0	0.4	0.4	1.3	1.3	1.2	1.7
Weight gain of less than 16 lbs [5]	11.1	13.4	14.8	12.6	7.3	10.6	12.6	10.8	9.4	16.7
Median weight gain [5]	30.5	29.8	28.5	30.4	32.3	30.3	30.3	30.6	30.8	29.6
Cesarean delivery rate	20.8	20.2	19.7	20.8	30.5	21.9	19.4	20.9	20.9	21.8
Infant										
Preterm births [6]	11.4	11.2	10.9	13.7	11.0	11.2	12.0	11.4	9.9	17.6
Birthweight										
Very low birthweight [7]	1.4	1.1	1.0	1.8	1.4	1.2	1.3	1.5	1.1	3.1
Low birthweight [8]	7.5	6.4	6.0	9.4	6.8	6.3	7.9	7.8	6.5	13.1
4,000 grams or more [9]	10.1	8.9	9.3	6.7	10.5	8.9	7.6	10.3	11.9	5.3
5-minute Apgar score of less than 7 [10]	1.4	1.2	1.2	1.5	0.9	1.0	1.1	1.5	1.2	2.5
Births to mothers born in the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	84.0	76.2	75.7	76.5	90.3	80.4	75.8	84.8	88.0	71.9
Late or no prenatal care	3.5	5.1	5.2	5.4	2.0	4.0	5.3	3.3	2.3	7.3
Smoker [3]	15.1	7.3	5.4	12.6	5.6	5.6	10.2	15.7	16.9	10.7
Drinker [4]	1.3	1.1	1.0	1.1	0.6	0.8	1.7	1.3	1.2	1.8
Weight gain of less than 16 lbs [5]	11.0	12.4	13.1	11.8	7.3	7.6	12.4	10.9	9.4	17.0
Median weight gain [5]	30.6	29.8	28.5	30.4	32.3	30.3	30.3	30.6	30.8	29.6
Cesarean delivery rate	21.0	20.6	20.7	20.6	27.4	20.1	19.4	21.0	20.9	21.6
Infant										
Preterm births [6]	11.5	12.0	11.7	13.8	10.6	10.6	12.1	11.5	10.0	17.9
Birthweight										
Very low birthweight [7]	1.5	1.3	1.2	1.9	1.5	1.4	1.3	1.5	1.1	3.0
Low birthweight [8]	7.7	7.3	6.8	9.6	6.8	7.0	8.3	7.8	6.5	13.4
4,000 grams or more [9]	10.4	8.0	8.4	6.7	9.5	9.0	7.1	10.6	11.9	5.0
5-minute Apgar score of less than 7 [10]	1.5	1.2	1.2	1.4	0.6	1.3	1.2	1.5	1.2	2.5
Births to mothers born outside the 50 States and D.C.										
Mother										
Prenatal care beginning in the first trimester	76.4	72.1	69.9	76.6	90.5	76.5	77.3	82.3	85.3	76.1
Late or no prenatal care	5.7	6.9	7.7	5.3	1.2	5.1	5.1	4.1	3.5	6.4
Smoker [3]	2.8	1.8	1.0	8.4	3.4	1.4	2.7	4.0	7.5	1.6
Drinker [4]	0.5	0.4	0.3	0.9	*	0.4	0.4	0.6	1.1	0.3
Weight gain of less than 16 lbs [5]	12.1	14.2	16.1	14.0	7.3	10.9	12.7	9.9	8.1	13.9
Median weight gain [5]	29.9	28.5	26.8	30.1	32.2	30.2	30.1	30.3	30.6	30.1
Cesarean delivery rate	20.1	20.0	19.0	21.2	32.5	22.0	19.7	20.2	19.4	23.9
Infant										
Preterm births [6]	10.6	10.7	10.3	13.4	11.3	11.3	11.2	10.5	9.2	14.5
Birthweight										
Very low birthweight [7]	1.1	1.0	0.9	1.7	1.2	1.1	1.3	1.3	1.0	2.7
Low birthweight [8]	6.4	5.8	5.4	9.0	6.7	6.2	6.4	7.2	6.0	10.0
4,000 grams or more [9]	8.9	9.5	9.8	6.8	11.1	8.9	9.0	8.1	11.3	8.3
5-minute Apgar score of less than 7 [10]	1.2	1.2	1.2	1.6	1.0	1.0	1.0	1.2	1.0	1.9

1 Includes origin not stated.
2 Includes races other than white and black.
3 Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not report tobacco use on the birth certificate.
4 Excludes data for California and South Dakota, which did not report alcohol use on the birth certificate.
5 Excludes data for California, which did not report weight gain on the birth certificate. Median weight gain shown in pounds.
6 Born prior to 37 completed weeks of gestation.
7 Birthweight of less than 1,500 grams (3 lb 4 oz).
8 Birthweight of less than 2,500 grams (5 lb 8 oz).
9 Equivalent to 8 lb 14 oz.
10 Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 1997

[Rates are number of live births with specified medical risk factor per 1,000 live births in specified group]

Medical risk factor and race of mother	All births [1]	Medical risk factor reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races [2]										
Anemia	3,880,894	77,334	20.2	28.6	24.2	18.2	15.8	15.8	17.3	47,176
Cardiac disease	3,880,894	19,929	5.2	2.9	3.6	5.0	6.7	8.0	8.8	47,176
Acute or chronic lung disease	3,880,894	37,153	9.7	12.7	10.7	8.7	8.6	8.6	9.6	47,176
Diabetes	3,880,894	101,176	26.4	8.2	16.3	25.5	35.0	47.8	64.9	47,176
Genital herpes [3]	3,546,920	31,550	9.0	6.1	8.1	8.9	10.1	11.9	12.0	46,065
Hydramnios/Oligohydramnios	3,880,894	50,025	13.0	14.5	13.2	12.4	12.2	13.6	17.8	47,176
Hemoglobinopathy	3,880,894	3,123	0.8	1.2	0.9	0.7	0.7	0.8	1.0	47,176
Hypertension, chronic	3,880,894	26,378	6.9	2.5	4.1	6.1	8.6	13.9	23.0	47,176
Hypertension, pregnancy-associated	3,880,894	141,235	36.8	42.8	37.0	35.7	33.6	37.2	46.2	47,176
Eclampsia	3,880,894	12,782	3.3	4.9	3.5	3.0	2.7	3.1	4.2	47,176
Incompetent cervix	3,880,894	10,208	2.7	1.3	1.9	2.6	3.4	4.2	4.4	47,176
Previous infant 4000+ grams	3,880,894	41,934	10.9	1.3	6.5	11.5	15.7	19.1	21.1	47,176
Previous preterm or small-for-gestational-age infant	3,880,894	46,152	12.0	5.4	12.2	12.5	13.2	15.1	16.9	47,176
Renal disease [4]	3,819,980	10,886	2.9	3.3	3.2	2.9	2.5	2.5	2.7	48,127
Rh sensitization [5]	3,843,605	24,505	6.5	5.3	6.0	6.6	7.1	7.2	6.4	48,527
Uterine bleeding [3]	3,546,920	24,463	7.0	5.0	6.0	7.1	7.9	8.7	9.4	46,065
White										
Anemia	3,072,640	53,347	17.6	25.2	20.9	16.1	14.2	14.2	16.0	35,423
Cardiac disease	3,072,640	16,730	5.5	2.9	3.6	5.2	7.2	8.5	9.4	35,423
Acute or chronic lung disease	3,072,640	28,357	9.3	12.0	10.2	8.6	8.6	8.5	9.3	35,423
Diabetes	3,072,640	78,155	25.7	8.6	16.4	24.6	32.7	44.3	59.9	35,423
Genital herpes [3]	2,788,319	25,156	9.1	5.3	7.3	8.9	10.6	13.0	13.8	34,503
Hydramnios/Oligohydramnios	3,072,640	37,670	12.4	13.5	12.7	11.8	11.7	12.9	16.5	35,423
Hemoglobinopathy	3,072,640	1,056	0.3	0.3	0.3	0.3	0.4	0.4	0.7	35,423
Hypertension, chronic	3,072,640	18,199	6.0	2.1	3.5	5.4	7.3	11.4	18.7	35,423
Hypertension, pregnancy-associated	3,072,640	112,553	37.1	42.7	38.0	36.6	33.6	36.7	44.8	35,423
Eclampsia	3,072,640	9,525	3.1	4.4	3.3	2.9	2.7	3.0	4.1	35,423
Incompetent cervix	3,072,640	7,207	2.4	1.2	1.6	2.1	3.1	4.0	4.3	35,423
Previous infant 4000+ grams	3,072,640	37,648	12.4	1.5	7.2	12.7	17.3	21.1	23.7	35,423
Previous preterm or small-for-gestational-age infant	3,072,640	35,155	11.6	5.0	11.3	11.8	12.8	14.6	16.5	35,423
Renal disease [4]	3,032,203	9,019	3.0	3.6	3.4	3.0	2.7	2.5	2.6	36,242
Rh sensitization [5]	3,039,375	22,144	7.4	6.3	6.8	7.5	8.0	8.1	7.2	36,660
Uterine bleeding [3]	2,788,319	20,256	7.4	5.3	6.4	7.4	8.2	8.9	9.7	34,503
Black										
Anemia	599,913	19,447	32.7	36.1	36.1	30.6	27.7	27.6	27.1	6,044
Cardiac disease	599,913	2,624	4.4	3.1	4.1	4.7	5.3	6.6	8.0	6,044
Acute or chronic lung disease	599,913	7,628	12.8	15.2	13.6	11.5	10.9	10.9	12.9	6,044
Diabetes	599,913	14,562	24.5	6.8	15.1	26.7	42.7	59.1	79.5	6,044
Genital herpes [3]	560,429	5,547	10.0	8.1	11.4	11.2	9.8	7.6	5.8	5,898
Hydramnios/Oligohydramnios	599,913	9,837	16.6	17.3	15.4	15.9	16.6	18.8	26.0	6,044
Hemoglobinopathy	599,913	1,916	3.2	3.5	3.2	3.2	2.9	3.3	3.4	6,044
Hypertension, chronic	599,913	7,229	12.2	3.4	6.5	11.8	20.8	35.2	55.8	6,044
Hypertension, pregnancy-associated	599,913	23,560	39.7	44.1	35.2	36.8	41.0	46.5	58.4	6,044
Eclampsia	599,913	2,716	4.6	6.0	4.5	4.0	3.7	4.2	5.4	6,044
Incompetent cervix	599,913	2,664	4.5	1.7	3.3	6.1	7.1	7.1	5.5	6,044
Previous infant 4000+ grams	599,913	2,805	4.7	0.9	3.7	6.1	7.7	8.9	9.6	6,044
Previous preterm or small-for-gestational-age infant	599,913	9,143	15.4	6.4	16.0	19.1	18.9	20.0	19.9	6,044
Renal disease [4]	580,083	1,459	2.5	2.6	2.9	2.3	2.2	2.3	3.0	6,169
Rh sensitization [5]	597,110	1,985	3.4	3.1	3.3	3.5	3.7	3.6	3.7	6,142
Uterine bleeding [3]	560,429	3,050	5.5	4.1	4.9	6.1	6.6	7.1	7.3	5,898

[1] Total number of births to residents of areas reporting specified medical risk factor.
[2] Includes races other than white and black.
[3] Texas does not report this risk factor.
[4] Alabama does not report this risk factor.
[5] Kansas does not report this risk factor.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by specified race of mother: United States, 1997

[Rates are number of live births with specified risk factors, complications, or procedures per 1,000 live births in specified group]

Medical risk factor, complication, and obstetric procedure	All races	White	Black	American Indian [1]	Asian or Pacific Islander					
					Total	Chinese	Japanese	Hawaiian	Filipino	Other
	Number									
Medical risk factors										
Anemia	77,334	53,347	19,447	1,803	2,737	248	111	164	430	1,784
Diabetes	101,176	78,155	14,562	1,841	6,618	1,218	222	132	1,197	3,849
Hypertension, pregnancy-associated	141,235	112,553	23,560	1,802	3,320	403	151	138	881	1,747
Uterine bleeding [2]	24,463	20,256	3,050	265	892	157	47	22	168	498
Complications of labor and/or delivery										
Meconium,moderate/heavy	215,127	156,876	46,465	2,301	9,485	1,495	294	353	1,895	5,448
Premature rupture of membrane	108,831	83,123	19,703	1,594	4,411	669	276	178	756	2,532
Dysfunctional labor	106,157	85,168	15,143	1,344	4,502	778	226	166	819	2,513
Breech/Malpresentation	147,248	122,347	17,870	1,389	5,642	993	312	183	1,018	3,136
Cephalopelvic disproportion	81,208	66,674	9,931	724	3,879	662	195	96	818	2,108
Fetal distress [3]	141,502	105,621	29,248	1,310	5,323	818	217	121	902	3,265
Obstetric procedures										
Amniocentesis	118,298	101,043	10,209	692	6,354	1,907	652	120	1,077	2,598
Electronic fetal monitoring	3,207,918	2,548,914	497,949	30,505	130,550	22,146	6,480	3,927	23,727	74,270
Induction of labor	708,151	598,273	82,039	7,115	20,724	3,456	1,153	733	3,416	11,966
Ultrasound	2,480,726	2,008,198	349,846	22,313	100,369	17,810	5,501	2,933	18,261	55,864
Stimulation of labor	670,409	541,361	95,011	5,854	28,183	5,209	1,307	613	4,487	16,567
	Rate									
Medical risk factors										
Anemia	20.2	17.6	32.7	48.1	16.6	8.9	13.5	34.3	14.1	19.1
Diabetes	26.4	25.7	24.5	49.1	40.1	43.6	27.0	27.6	39.2	41.1
Hypertension, pregnancy-associated	36.8	37.1	39.7	48.1	20.1	14.4	18.4	28.8	28.8	18.7
Uterine bleeding [2]	7.0	7.4	5.5	7.2	5.7	5.9	5.9	4.7	5.7	5.7
Complications of labor and/or delivery										
Meconium,moderate/heavy	56.0	51.6	78.1	61.3	56.8	53.4	34.1	66.4	61.1	58.0
Premature rupture of membrane	28.3	27.3	33.1	42.5	26.4	23.9	32.0	33.5	24.4	26.9
Dysfunctional labor	27.6	28.0	25.4	35.8	27.0	27.8	26.2	31.2	26.4	26.7
Breech/Malpresentation	38.3	40.2	30.0	37.0	33.8	35.5	36.1	34.4	32.8	33.4
Cephalopelvic disproportion	21.1	21.9	16.7	19.3	23.2	23.7	22.6	18.0	26.4	22.4
Fetal distress [3]	40.4	38.3	52.7	35.7	33.8	30.6	25.8	23.0	30.1	37.4
Obstetric procedures										
Amniocentesis	30.7	33.1	17.1	18.4	38.1	67.7	76.9	23.6	34.9	27.6
Electronic fetal monitoring	833.0	835.7	834.8	809.8	782.5	786.0	764.0	772.1	768.1	788.4
Induction of labor	183.9	196.2	137.5	188.9	124.2	122.7	135.9	144.1	110.6	127.0
Ultrasound	644.2	658.4	586.5	592.4	601.6	632.1	648.5	576.7	591.2	593.0
Stimulation of labor	174.1	177.5	159.3	155.4	168.9	184.9	154.1	120.5	145.3	175.9

[1] Includes births to Aleuts and Eskimos.
[2] Texas does not report this risk factor.
[3] Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1997

[Rates are number of live births with specified risk factors, complications or procedures per 1,000 live births in specified group]

Medical risk factor, complication, and obstetric procedure	All origins[1]	Origin of mother								
		Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total[2]	White	Black
	Number									
Medical risk factors										
Anemia	77,334	14,243	9,142	1,742	236	1,599	1,524	61,781	38,490	18,939
Diabetes	101,176	17,687	11,632	1,925	296	2,621	1,213	81,650	59,496	13,970
Hypertension, pregnancy-associated	141,235	18,888	12,736	1,520	385	2,615	1,632	120,363	92,537	22,911
Uterine bleeding[3]	24,463	2,542	1,430	377	62	409	264	21,417	17,369	2,937
Complications of labor and/or delivery										
Meconium,moderate/heavy	215,127	40,192	26,855	3,606	556	6,605	2,570	171,835	115,566	44,950
Premature rupture of membrane	108,831	13,922	8,377	1,734	322	2,172	1,317	92,595	67,762	19,102
Dysfunctional labor	106,157	15,883	9,017	1,871	564	2,846	1,585	87,686	67,576	14,466
Breech/Malpresentation	147,248	21,226	14,141	1,914	499	2,984	1,688	123,636	99,651	17,241
Cephalopelvic disproportion	81,208	11,226	7,915	860	245	1,470	736	68,916	54,802	9,682
Fetal distress[4]	141,502	18,238	10,915	2,158	350	3,164	1,651	120,949	86,099	28,461
Obstetric procedures										
Amniocentesis	118,298	10,035	4,806	1,332	448	2,392	1,057	105,087	88,459	9,811
Electronic fetal monitoring	3,207,918	551,794	379,252	47,715	11,290	76,720	36,817	2,611,983	1,974,292	482,426
Induction of labor	708,151	85,152	55,777	7,815	2,464	11,511	7,585	610,753	504,463	79,586
Ultrasound	2,480,726	380,311	256,441	35,129	7,583	52,625	28,533	2,061,480	1,605,066	338,448
Stimulation of labor	670,409	111,715	74,489	11,316	2,372	16,146	7,392	547,412	422,838	91,581
	Rate									
Medical risk factors										
Anemia	20.2	20.2	18.4	32.2	18.4	16.6	34.4	20.1	16.7	32.9
Diabetes	26.4	25.1	23.4	35.6	23.1	27.1	27.4	26.5	25.8	24.3
Hypertension, pregnancy-associated	36.8	26.8	25.7	28.1	30.0	27.1	36.9	39.1	40.1	39.8
Uterine bleeding[3]	7.0	4.6	3.9	7.1	4.9	4.6	7.1	7.4	8.0	5.5
Complications of labor and/or delivery										
Meconium,moderate/heavy	56.0	56.9	53.9	66.6	43.3	68.3	57.7	55.8	50.1	77.9
Premature rupture of membrane	28.3	19.7	16.8	32.0	25.1	22.4	29.6	30.1	29.4	33.1
Dysfunctional labor	27.6	22.5	18.1	34.6	44.0	29.4	35.6	28.5	29.3	25.1
Breech/Malpresentation	38.3	30.1	28.4	35.4	38.9	30.8	37.9	40.1	43.2	29.9
Cephalopelvic disproportion	21.1	15.9	15.9	15.9	19.1	15.2	16.5	22.4	23.8	16.8
Fetal distress[4]	40.4	32.6	29.8	40.6	27.9	35.3	43.9	41.8	39.7	52.9
Obstetric procedures										
Amniocentesis	30.7	14.2	9.6	24.5	34.9	24.7	23.7	34.0	38.2	17.0
Electronic fetal monitoring	833.0	780.6	761.5	877.6	878.3	790.7	826.5	845.4	853.0	834.3
Induction of labor	183.9	120.5	112.0	143.7	191.7	118.6	170.3	197.7	218.0	137.6
Ultrasound	644.2	538.0	514.9	646.1	589.9	542.3	640.5	667.2	693.5	585.3
Stimulation of labor	174.1	158.0	149.6	208.1	184.5	166.4	165.9	177.2	182.7	158.4

1 Includes origin not stated.
2 Includes races other than white and black.
3 Texas does not report this risk factor.
4 Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1997

Smoking status, smoking measure, and race of mother	Age of mother									
	All ages	Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
			Total	15-17 years	18-19 years					
	Number									
All races[1]										
Total	3,124,110	8,476	399,821	148,792	251,029	769,429	863,520	703,396	319,137	60,331
Smoker	406,484	674	69,346	22,800	46,546	126,135	100,299	69,115	34,919	5,996
Nonsmoker	2,671,200	7,682	325,031	124,020	201,011	632,465	750,431	623,402	278,980	53,209
Not stated	46,426	120	5,444	1,972	3,472	10,829	12,790	10,879	5,238	1,126
White										
Total	2,444,987	3,827	270,381	94,906	175,475	575,451	699,792	583,803	263,075	48,658
Smoker	344,666	512	59,704	19,363	40,341	108,821	85,651	57,276	28,031	4,671
Nonsmoker	2,063,713	3,255	206,790	74,208	132,582	458,252	603,806	517,666	230,845	43,099
Not stated	36,608	60	3,887	1,335	2,552	8,378	10,335	8,861	4,199	888
Black										
Total	539,157	4,366	117,207	49,157	68,050	165,611	121,301	82,988	39,535	8,149
Smoker	51,891	123	7,652	2,689	4,963	14,174	12,293	10,347	6,141	1,161
Nonsmoker	480,773	4,191	108,397	45,989	62,408	149,735	107,474	71,410	32,721	6,845
Not stated	6,493	52	1,158	479	679	1,702	1,534	1,231	673	143
	Percent									
Smoker[1]	13.2	8.1	17.6	15.5	18.8	16.6	11.8	10.0	11.1	10.1
White	14.3	13.6	22.4	20.7	23.3	19.2	12.4	10.0	10.8	9.8
Black	9.7	2.9	6.6	5.5	7.4	8.6	10.3	12.7	15.8	14.5
	Percent distribution									
All races[1]										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	27.2	49.1	35.0	39.2	33.0	27.5	24.5	24.8	23.3	23.0
6-10 cigarettes	40.7	37.3	41.8	40.5	42.4	42.0	40.8	39.0	38.1	36.1
11-15 cigarettes	6.4	*	4.6	4.0	4.9	5.9	7.1	7.4	7.5	6.6
16-20 cigarettes	21.8	10.1	16.5	14.5	17.5	21.2	23.4	23.8	24.9	26.4
21-30 cigarettes	2.8	*	1.5	1.3	1.6	2.4	3.0	3.5	4.2	5.2
31-40 cigarettes	1.0	*	0.5	0.4	0.5	0.9	1.0	1.3	1.8	2.4
41 cigarettes or more	0.2	*	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4
White										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	24.3	43.9	31.8	35.6	29.9	24.5	21.8	22.1	20.4	20.7
6-10 cigarettes	41.1	40.3	43.2	42.3	43.6	42.7	40.8	38.8	37.2	34.7
11-15 cigarettes	6.9	*	5.0	4.4	5.2	6.4	7.7	8.1	8.3	7.2
16-20 cigarettes	23.4	11.6	17.8	15.7	18.8	22.7	25.1	25.6	27.2	28.6
21-30 cigarettes	3.0	*	1.7	1.4	1.8	2.6	3.3	3.8	4.7	6.0
31-40 cigarettes	1.1	*	0.5	0.4	0.6	0.9	1.1	1.4	2.0	2.4
41 cigarettes or more	0.2	*	0.1	0.1	0.1	0.2	0.2	0.2	0.3	*
Black										
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-5 cigarettes	43.7	66.1	57.4	62.1	54.9	47.7	40.6	37.9	35.3	32.4
6-10 cigarettes	38.5	27.0	31.9	28.5	33.7	36.8	40.9	40.6	41.9	41.1
11-15 cigarettes	3.0	*	1.8	1.4	2.1	2.6	3.3	3.5	4.1	4.6
16-20 cigarettes	12.6	*	8.0	7.3	8.4	11.2	13.3	14.9	15.4	17.7
21-30 cigarettes	1.2	*	0.4	*	0.5	1.0	1.1	1.9	1.7	2.0
31-40 cigarettes	0.7	*	0.3	*	*	0.5	0.7	0.9	1.2	1.9
41 cigarettes or more	0.2	*	*	*	*	0.2	*	*	*	*

* Figure does not meet standards of reliability or precision.
[1] Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 46 reporting States, the District of Columbia, and New York City, 1997

Origin of mother	Smoking status				Age of mother									
							15-19 years							
	Total births	Smoker	Non-smoker	Not stated	All ages	Under 15 years	Total	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
All origins [1]	3,124,110	406,484	2,671,200	46,426	13.2	8.1	17.6	15.5	18.8	16.6	11.8	10.0	11.1	10.1
Hispanic	445,405	18,092	422,425	4,888	4.1	4.2	4.9	4.7	5.0	4.2	3.6	3.7	4.6	4.3
Mexican	279,642	7,989	269,246	2,407	2.9	2.7	3.4	3.4	3.5	2.8	2.5	2.7	3.5	3.4
Puerto Rican	50,554	5,459	44,081	1,014	11.0	8.2	10.6	9.9	11.0	11.4	10.7	10.8	12.5	10.0
Cuban	11,906	500	11,352	54	4.2	*	4.9	*	5.2	4.6	3.9	3.7	5.1	*
Central and South American	67,569	1,172	65,718	679	1.8	*	1.9	1.8	1.9	1.8	1.5	1.5	2.3	2.6
Other and unknown Hispanic	35,734	2,972	32,028	734	8.5	*	9.2	8.4	9.8	9.0	8.1	7.5	7.9	8.0
Non-Hispanic [2]	2,648,039	383,905	2,225,854	38,280	14.7	9.2	20.6	18.5	21.9	19.3	13.0	10.7	11.8	10.8
White	1,990,992	323,821	1,638,023	29,148	16.5	22.4	29.2	28.5	29.6	23.7	14.1	10.8	11.6	10.6
Black	522,998	50,840	466,061	6,097	9.8	2.9	6.6	5.5	7.4	8.7	10.4	12.9	16.1	14.8

* Figure does not meet standards of reliability or precision.
1 Includes origin not stated.
2 Includes races other than white and black.

NOTES: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution of average number of cigarettes smoked by mothers per day, according to educational attainment and race and Hispanic origin of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1997

Smoking measure, and race and Hispanic origin of mother	Total	Years of school completed by mother					
		0-8 years	9-11 years	12 years	13-15 years	16 years or more	Not Stated
	All births						
All races [1]	3,124,110	148,048	493,433	1,030,964	690,118	714,838	46,709
White, total	2,444,987	124,740	342,637	782,868	544,288	618,550	31,904
White, non-Hispanic	1,990,992	36,666	223,691	650,759	482,036	579,860	17,980
Black, total	539,157	16,338	132,643	205,543	118,926	55,076	10,631
Black, non-Hispanic	522,998	14,996	128,758	199,964	115,942	53,684	9,654
Hispanic [2]	445,405	89,093	120,431	131,334	60,896	33,430	10,221
	Percent						
Smoker	13.2	12.1	25.7	17.1	9.9	2.4	12.7
White ,total	14.3	12.5	29.8	19.5	10.9	2.5	13.6
White , non-Hispanic	16.5	36.0	42.0	22.5	11.8	2.6	18.9
Black, total	9.7	10.3	16.1	9.5	6.1	2.2	12.9
Black, non-Hispanic	9.8	10.7	16.3	9.6	6.2	2.2	13.2
Hispanic [2]	4.1	2.7	6.4	4.1	3.2	1.3	4.2
	Percent distribution						
All races [1]							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	67.9	62.6	67.5	67.3	69.8	74.8	68.5
11-20 cigarettes	28.1	30.9	28.1	28.9	26.9	22.7	27.1
21 cigarettes or more	4.0	6.5	4.4	3.8	3.3	2.5	4.4
White, total							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	65.4	60.3	64.1	65.1	67.9	73.9	65.3
11-20 cigarettes	30.3	32.7	31.1	30.9	28.6	23.5	29.7
21 cigarettes or more	4.3	7.0	4.9	4.0	3.5	2.6	5.0
White, non-Hispanic							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	64.6	56.6	62.7	64.5	67.5	73.6	64.1
11-20 cigarettes	31.0	35.7	32.3	31.4	29.0	23.7	30.6
21 cigarettes or more	4.4	7.7	5.1	4.1	3.6	2.7	5.3
Black, total							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	82.2	78.8	82.0	82.6	83.3	83.9	77.8
11-20 cigarettes	15.6	17.6	15.7	15.3	15.4	14.5	19.7
21 cigarettes or more	2.1	3.5	2.3	2.1	1.3	*	2.5
Black, non-Hispanic							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	82.2	78.7	81.9	82.6	83.3	83.9	78.5
11-20 cigarettes	15.6	17.8	15.8	15.3	15.4	14.4	19.1
21 cigarettes or more	2.1	3.6	2.3	2.1	1.3	*	2.4
Hispanic [2]							
Smoker	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 cigarettes or less	82.8	82.5	83.6	82.6	81.9	83.2	76.4
11-20 cigarettes	15.4	14.9	14.8	15.8	15.8	16.2	20.1
21 cigarettes or more	1.8	2.6	1.7	1.6	2.3	*	*

* Figure does not meet standards of reliability or precision.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy.

Table 32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 46 reporting States, the District of Columbia, and New York City, 1997

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

Smoking status and race of mother	All ages	Age of mother								
		Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
			Total	15-17 years	18-19 years					
All races [1]										
Total	7.8	14.2	9.9	10.7	9.4	7.7	6.8	7.1	8.6	10.3
Smoker	12.1	15.7	11.4	12.1	11.1	10.4	11.4	13.6	16.8	19.5
Nonsmoker	7.1	13.9	9.5	10.5	9.0	7.1	6.2	6.4	7.5	9.2
Not stated	9.8	28.6	12.6	13.3	12.2	9.2	8.6	9.3	11.9	10.8
White, total										
Total	6.6	12.1	8.4	9.1	8.1	6.5	5.9	6.2	7.4	9.2
Smoker	10.7	17.2	10.9	11.5	10.6	9.7	10.0	11.4	14.2	17.0
Nonsmoker	5.9	10.9	7.7	8.4	7.3	5.7	5.2	5.5	6.6	8.3
Not stated	8.7	33.9	11.8	12.8	11.2	8.2	7.5	8.3	10.3	9.8
White, non-Hispanic										
Total	6.6	12.3	8.4	9.0	8.1	6.6	5.8	6.1	7.3	9.0
Smoker	10.6	16.6	10.8	11.4	10.6	9.6	9.9	11.3	14.1	16.8
Nonsmoker	5.7	10.6	7.4	8.0	7.1	5.6	5.2	5.4	6.4	8.1
Not stated	8.4	*	11.3	12.2	10.8	8.1	7.2	8.0	10.0	10.1
Black, total										
Total	13.1	16.3	13.4	14.0	12.9	12.0	12.4	13.8	16.2	17.5
Smoker	21.3	*	16.4	16.9	16.1	16.2	21.7	26.1	28.8	30.7
Nonsmoker	12.2	16.3	13.1	13.8	12.6	11.5	11.3	11.9	13.7	15.2
Not stated	16.9	*	16.3	15.9	16.6	15.2	16.5	17.1	21.4	20.9
Black, non-Hispanic										
Total	13.2	16.3	13.5	14.1	13.0	12.1	12.6	14.0	16.4	17.6
Smoker	21.4	*	16.3	16.9	16.0	16.3	21.8	26.2	28.9	30.8
Nonsmoker	12.3	16.3	13.2	13.9	12.7	11.6	11.4	12.1	13.8	15.3
Not stated	16.8	*	16.4	16.0	16.7	14.4	16.7	16.9	22.1	20.0
Hispanic [2]										
Total	6.9	12.2	8.5	9.2	8.0	6.4	6.0	6.7	8.3	10.2
Smoker	12.2	*	11.8	12.6	11.3	10.5	12.1	13.1	16.2	20.7
Nonsmoker	6.6	11.6	8.3	9.0	7.8	6.2	5.7	6.3	7.8	9.6
Not stated	10.4	*	13.4	14.3	12.7	9.9	8.9	10.1	11.3	10.3

* Figure does not meet standards of reliability or precision.
[1] Includes races other than white and black and origin not stated.
[2] Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, Indiana, New York State (but includes New York City), and South Dakota, which did not require reporting of tobacco use during pregnancy.

Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 1997

Age and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began								Percent	
		1st trimester			2d trimester	Late or no care			Not stated		
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care		1st trimester	Late or no care
All races [1]	3,880,894	3,119,693	2,391,738	727,955	512,228	148,281	102,041	46,240	100,692	82.5	3.9
Under 15 years	10,121	4,570	2,764	1,806	3,537	1,588	1,125	463	426	47.1	16.4
15-19 years	483,220	319,387	213,043	106,344	115,755	33,517	23,975	9,542	14,561	68.1	7.2
15 years	26,340	14,379	8,842	5,537	8,177	2,776	1,980	796	1,008	56.8	11.0
16 years	57,038	34,232	21,721	12,511	16,161	4,797	3,432	1,365	1,848	62.0	8.7
17 years	96,776	62,621	40,959	21,662	24,257	7,013	5,006	2,007	2,885	66.7	7.5
18 years	134,595	90,734	60,958	29,776	30,985	8,872	6,314	2,558	4,004	69.5	6.8
19 years	168,471	117,421	80,563	36,858	36,175	10,059	7,243	2,816	4,816	71.7	6.1
20-24 years	942,048	708,037	515,927	192,110	162,393	45,914	32,654	13,260	25,704	77.3	5.0
25-29 years	1,069,436	899,189	707,821	191,368	112,815	32,074	21,906	10,168	25,358	86.1	3.1
30-34 years	886,798	771,037	620,229	150,808	73,109	21,399	13,870	7,529	21,253	89.1	2.5
35-39 years	409,710	352,437	281,291	71,146	35,676	10,958	6,746	4,212	10,639	88.3	2.7
40 years and over	79,561	65,036	50,663	14,373	8,943	2,831	1,765	1,066	2,751	84.7	3.7
White, total	3,072,640	2,545,590	1,971,327	574,263	363,139	97,210	69,505	27,705	66,701	84.7	3.2
Under 15 years	5,021	2,539	1,542	997	1,597	714	487	227	171	52.4	14.7
15-19 years	338,272	233,104	156,254	76,850	75,803	20,797	15,308	5,489	8,568	70.7	6.3
15 years	15,959	9,347	5,790	3,557	4,580	1,543	1,123	420	489	60.4	10.0
16 years	37,324	23,742	15,157	8,585	9,757	2,849	2,085	764	976	65.3	7.8
17 years	66,882	45,089	29,655	15,434	15,864	4,272	3,112	1,160	1,657	69.1	6.5
18 years	95,436	66,787	44,976	21,811	20,646	5,592	4,108	1,484	2,411	71.8	6.0
19 years	122,671	88,139	60,676	27,463	24,956	6,541	4,880	1,661	3,035	73.7	5.5
20-24 years	720,546	556,995	408,446	148,549	115,885	30,862	22,701	8,161	16,804	79.1	4.4
25-29 years	871,636	749,633	594,678	154,955	83,227	21,704	15,468	6,236	17,072	87.7	2.5
30-34 years	735,571	652,854	529,345	123,509	53,919	14,060	9,609	4,451	14,738	90.6	2.0
35-39 years	337,423	296,738	238,716	58,022	26,173	7,142	4,664	2,478	7,370	89.9	2.2
40 years and over	64,171	53,727	42,346	11,381	6,535	1,931	1,268	663	1,978	86.4	3.1
White, non-Hispanic	2,333,363	2,014,137	1,591,887	422,250	223,753	54,238	38,205	16,033	41,235	87.9	2.4
Under 15 years	2,240	1,196	744	452	666	320	213	107	58	54.8	14.7
15-19 years	219,857	159,104	107,905	51,199	45,188	11,118	8,292	2,826	4,447	73.9	5.2
15 years	8,244	5,067	3,157	1,910	2,228	740	549	191	209	63.1	9.2
16 years	21,536	14,364	9,294	5,070	5,238	1,459	1,082	377	475	68.2	6.9
17 years	42,088	29,811	19,688	10,123	9,199	2,238	1,663	575	840	72.3	5.4
18 years	63,787	46,713	31,697	15,016	12,774	3,042	2,252	790	1,258	74.7	4.9
19 years	84,202	63,149	44,069	19,080	15,749	3,639	2,746	893	1,665	76.5	4.4
20-24 years	500,928	405,254	302,971	102,283	69,942	16,300	12,002	4,298	9,432	82.5	3.3
25-29 years	674,498	601,366	486,276	115,090	50,446	11,929	8,279	3,650	10,757	90.6	1.8
30-34 years	603,304	549,773	452,155	97,618	34,951	8,536	5,605	2,931	10,044	92.7	1.4
35-39 years	280,393	252,447	205,808	46,639	18,073	4,769	3,019	1,750	5,104	91.7	1.7
40 years and over	52,143	44,997	36,028	8,969	4,487	1,266	795	471	1,393	88.7	2.5
Black, total	599,913	414,251	301,287	112,964	117,343	41,592	25,356	16,236	26,727	72.3	7.3
Under 15 years	4,712	1,896	1,144	752	1,786	798	584	214	232	42.3	17.8
15-19 years	128,539	76,702	50,763	25,939	35,189	11,211	7,515	3,696	5,437	62.3	9.1
15 years	9,381	4,538	2,753	1,785	3,266	1,098	762	336	479	51.0	12.3
16 years	17,658	9,472	5,975	3,497	5,682	1,718	1,172	546	786	56.1	10.2
17 years	26,595	15,651	10,144	5,507	7,391	2,425	1,642	783	1,128	61.5	9.5
18 years	34,712	21,307	14,281	7,026	9,085	2,870	1,897	973	1,450	64.1	8.6
19 years	40,193	25,734	17,610	8,124	9,765	3,100	2,042	1,058	1,594	66.7	8.0
20-24 years	182,600	124,312	88,929	35,383	38,230	12,584	8,070	4,514	7,474	71.0	7.2
25-29 years	135,529	100,469	76,034	24,435	21,110	7,931	4,534	3,397	6,019	77.6	6.1
30-34 years	94,123	71,008	54,488	16,520	12,965	5,487	2,898	2,589	4,663	79.4	6.1
35-39 years	45,069	33,290	25,169	8,121	6,481	2,924	1,434	1,490	2,374	78.0	6.8
40 years and over	9,341	6,574	4,760	1,814	1,582	657	321	336	528	74.6	7.5

See footnotes at end of table.

Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 1997 —Con.

Age and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began									
		1st trimester			2d trimester	Late or no care			Not stated	Percent	
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care		1st trimester	Late or no care
Black, non-Hispanic	581,431	401,994	292,736	109,258	113,971	40,425	24,502	15,923	25,041	72.3	7.3
Under 15 years	4,613	1,863	1,126	737	1,751	779	569	210	220	42.4	17.7
15-19 years	125,343	74,842	49,576	25,266	34,381	10,957	7,332	3,625	5,163	62.3	9.1
15 years	9,163	4,433	2,687	1,746	3,196	1,070	741	329	464	51.0	12.3
16 years	17,235	9,242	5,834	3,408	5,563	1,683	1,147	536	747	56.1	10.2
17 years	25,940	15,283	9,913	5,370	7,226	2,367	1,596	771	1,064	61.4	9.5
18 years	33,870	20,791	13,950	6,841	8,891	2,812	1,856	956	1,376	64.0	8.7
19 years	39,135	25,093	17,192	7,901	9,505	3,025	1,992	1,033	1,512	66.7	8.0
20-24 years	177,494	121,011	86,668	34,343	37,188	12,237	7,805	4,432	7,058	71.0	7.2
25-29 years	130,942	97,266	73,731	23,535	20,399	7,675	4,344	3,331	5,602	77.6	6.1
30-34 years	90,637	68,546	52,711	15,835	12,472	5,297	2,765	2,532	4,322	79.4	6.1
35-39 years	43,434	32,146	24,338	7,808	6,252	2,840	1,380	1,460	2,196	78.0	6.9
40 years and over	8,968	6,320	4,586	1,734	1,528	640	307	333	480	74.5	7.5
Hispanic [2]	709,767	506,442	358,733	147,709	138,218	42,666	31,283	11,383	22,441	73.7	6.2
Under 15 years	2,833	1,363	811	552	948	405	285	120	117	50.2	14.9
15-19 years	118,122	73,760	48,167	25,593	30,674	9,670	7,034	2,636	4,018	64.6	8.5
15 years	7,778	4,308	2,646	1,662	2,389	806	575	231	275	57.4	10.7
16 years	15,870	9,417	5,888	3,529	4,561	1,395	1,007	388	497	61.3	9.1
17 years	24,768	15,276	9,959	5,317	6,638	2,035	1,463	572	819	63.8	8.5
18 years	31,542	19,990	13,218	6,772	7,905	2,537	1,859	678	1,110	65.7	8.3
19 years	38,164	24,769	16,456	8,313	9,181	2,897	2,130	767	1,317	67.2	7.9
20-24 years	216,152	148,997	103,352	45,645	45,689	14,574	10,752	3,822	6,892	71.2	7.0
25-29 years	188,669	141,007	102,397	38,610	32,473	9,687	7,169	2,518	5,502	77.0	5.3
30-34 years	121,539	93,736	69,291	24,445	18,604	5,410	3,974	1,436	3,789	79.6	4.6
35-39 years	51,601	39,718	29,128	10,590	7,873	2,290	1,614	676	1,720	79.6	4.6
40 years and over	10,851	7,861	5,587	2,274	1,957	630	455	175	403	75.2	6.0

[1] Includes races other than white and black and origin not stated.
[2] Includes all persons of Hispanic origin of any race.

Table 34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1997

[By place of residence]

State	Percent beginning care in first trimester						Percent late [1] or no care					
		White		Black				White		Black		
	All races [2]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [3]	All races [2]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [3]
United States [4]	82.5	84.7	87.9	72.3	72.3	73.7	3.9	3.2	2.4	7.3	7.3	6.2
Alabama	82.2	88.0	88.7	70.3	70.3	62.4	3.7	2.3	2.1	6.6	6.6	13.4
Alaska	80.4	82.4	82.8	81.3	81.8	77.6	4.4	3.5	3.3	5.8	5.7	5.1
Arizona	75.4	76.5	85.0	70.9	70.9	65.1	6.6	6.2	3.1	9.2	9.2	10.3
Arkansas	75.7	79.4	80.5	62.6	62.6	60.1	5.8	4.4	4.1	10.7	10.7	11.3
California	81.8	81.8	87.9	78.6	78.6	77.3	3.7	3.7	2.4	4.6	4.6	4.7
Colorado	82.9	83.3	87.9	77.3	77.4	69.7	3.9	3.8	2.5	6.0	6.0	7.5
Connecticut	89.2	90.6	92.7	80.1	81.0	79.1	1.9	1.5	1.2	4.0	3.9	3.2
Delaware	82.5	86.2	87.7	71.4	71.6	69.0	3.3	2.2	2.0	6.4	6.4	5.1
District of Columbia	66.6	81.0	89.3	61.4	61.5	63.2	12.3	7.2	4.7	14.2	14.1	12.4
Florida	83.9	87.1	88.9	72.8	72.7	81.7	3.2	2.3	1.9	5.9	5.9	3.8
Georgia	85.8	89.5	90.9	78.5	78.5	75.8	3.1	2.1	1.7	5.0	5.0	6.4
Hawaii	83.4	88.9	89.9	89.2	89.6	82.0	4.6	3.1	2.9	*	*	3.9
Idaho	78.6	78.9	81.4	71.0	70.7	62.1	4.2	4.0	3.3	*	*	8.9
Illinois	82.4	85.6	89.5	69.7	69.7	72.8	4.0	2.8	1.8	8.8	8.8	6.1
Indiana	80.1	81.8	82.6	66.1	66.1	66.6	3.9	3.4	3.2	7.9	7.9	8.4
Iowa	87.4	88.1	88.9	73.5	73.5	70.7	2.5	2.4	2.1	5.5	5.6	6.9
Kansas	85.6	86.6	89.2	75.9	75.9	64.5	2.7	2.4	1.8	5.6	5.6	7.9
Kentucky	85.8	86.8	87.1	75.3	75.4	72.9	2.6	2.3	2.3	5.6	5.6	5.6
Louisiana	81.3	88.6	88.8	71.1	71.1	84.0	4.1	2.0	2.0	7.0	7.0	3.7
Maine	88.9	89.3	89.4	79.0	80.9	83.9	1.7	1.6	1.5	*	*	*
Maryland	88.8	92.6	93.3	80.3	80.3	80.7	2.6	1.5	1.4	5.2	5.2	4.0
Massachusetts	88.9	90.4	91.9	78.0	78.0	77.8	2.7	2.2	1.8	6.4	6.4	5.6
Michigan	84.2	87.2	88.4	70.6	70.5	73.8	3.0	2.2	2.0	6.9	6.9	5.2
Minnesota	84.1	86.7	87.5	63.8	63.7	61.1	3.1	2.3	2.0	10.3	10.3	9.4
Mississippi	80.1	89.2	89.4	69.6	69.6	78.6	4.1	1.8	1.8	6.8	6.8	*
Missouri	86.0	88.2	88.6	73.6	73.6	74.8	2.8	2.1	2.0	7.0	7.0	6.1
Montana	82.6	84.8	84.9	74.2	*	77.3	3.6	2.8	2.7	*	*	*
Nebraska	83.9	85.0	87.0	72.0	72.0	67.1	2.9	2.6	2.1	6.8	6.8	7.2
Nevada	76.1	76.9	83.3	66.6	66.8	64.3	6.3	6.1	3.8	9.1	9.0	10.5
New Hampshire	89.6	89.8	90.1	78.0	78.5	77.9	1.8	1.7	1.7	*	*	*
New Jersey	81.3	85.5	89.4	63.9	63.2	71.2	4.7	3.0	2.2	12.1	12.5	6.3
New Mexico	70.2	72.5	79.1	64.2	65.4	67.6	7.6	6.9	4.4	10.8	10.8	8.7
New York	80.6	84.1	87.9	69.8	69.7	71.1	5.0	3.8	2.7	8.7	9.0	7.2
North Carolina	83.9	88.1	90.0	73.2	73.2	69.3	3.2	2.2	1.7	6.1	6.1	7.4
North Dakota	84.8	86.7	87.0	75.0	73.8	75.7	2.2	1.5	1.5	*	*	*
Ohio	85.1	87.4	87.7	72.2	72.2	76.6	4.3	3.3	3.2	9.9	9.8	5.7
Oklahoma	78.5	81.1	82.1	67.7	67.5	67.5	4.8	3.9	3.6	8.3	8.3	7.8
Oregon	81.1	81.4	83.9	79.4	79.2	66.7	3.6	3.6	3.0	4.1	4.2	6.8
Pennsylvania	83.8	86.6	87.5	68.0	68.1	71.5	4.4	3.4	3.1	10.5	10.5	7.4
Rhode Island	89.5	90.6	92.2	79.9	79.5	81.3	1.7	1.3	1.1	5.5	5.4	2.4
South Carolina	80.5	87.0	87.6	68.8	68.9	67.6	4.7	2.7	2.5	8.3	8.3	9.0
South Dakota	82.1	85.2	85.5	69.2	69.7	70.8	3.4	2.1	2.0	*	*	*
Tennessee	83.7	87.1	87.9	71.8	71.8	63.2	3.9	2.6	2.3	8.3	8.3	12.7
Texas	78.5	78.8	86.8	74.6	74.6	71.2	5.1	5.1	2.6	6.1	6.1	7.4
Utah	83.7	84.6	87.0	70.2	69.6	63.7	3.5	3.1	2.3	10.6	11.0	9.5
Vermont	88.0	88.2	88.3	*	*	*	2.0	1.9	1.9	*	*	*
Virginia	85.1	88.8	90.2	73.5	73.5	72.6	3.2	2.1	1.8	6.5	6.5	5.9
Washington	83.3	84.1	86.2	77.1	77.1	70.7	3.4	3.1	2.6	5.1	5.0	5.9
West Virginia	82.0	82.6	82.7	65.3	65.3	72.6	3.1	2.9	2.9	8.9	8.9	*
Wisconsin	84.6	87.3	88.2	68.9	68.9	72.6	3.2	2.5	2.2	8.0	8.0	7.2
Wyoming	82.5	83.2	84.0	75.8	75.9	73.9	3.7	3.5	3.4	*	*	5.2
Puerto Rico	78.3	79.0	—	69.7	—	—	2.9	2.7	—	4.7	—	—
Virgin Islands	56.9	61.3	60.0	55.7	56.3	53.2	10.9	10.6	*	10.9	10.9	11.3
Guam	64.2	86.2	86.3	87.9	87.5	78.0	12.7	*	*	*	*	*

* Figure does not meet standards of reliability or precision.
— Data not available.
1 Care beginning in 3d trimester.
2 Includes races other than white and black and origin not stated.
3 Includes all persons of Hispanic origin of any race.
4 Excludes data for Puerto Rico, Virgin Islands, and Guam.

NOTE: Data on prenatal care are not available for American Samoa.

Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1997

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							
		1st trimester			2d trimester	Late or no care			Not stated
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	
All races	3,880,894	3,119,693	2,391,738	727,955	512,228	148,281	102,041	46,240	100,692
No visits	46,240	...	...	...	...	46,240	...	46,240	...
1-2 visits	39,708	9,521	6,191	3,330	9,811	18,543	18,543	...	1,833
3-4 visits	80,812	22,759	13,031	9,728	29,926	25,906	25,906	...	2,221
5-6 visits	171,906	72,260	42,029	30,231	71,099	25,360	25,360	...	3,187
7-8 visits	320,312	192,513	118,154	74,359	108,458	14,848	14,848	...	4,493
9-10 visits	725,694	566,701	377,717	188,984	142,658	8,402	8,402	...	7,933
11-12 visits	993,183	904,056	693,869	210,187	80,162	3,247	3,247	...	5,718
13-14 visits	658,969	624,402	519,933	104,469	30,424	1,374	1,374	...	2,769
15-16 visits	464,444	441,444	377,387	64,057	19,999	923	923	...	2,078
17-18 visits	100,800	96,513	82,611	13,902	3,613	208	208	...	466
19 visits or more	145,036	137,454	120,801	16,653	6,382	379	379	...	821
Not stated	133,790	52,070	40,015	12,055	9,696	2,851	2,851	...	69,173
Median number of visits	12.3	12.6	12.9	11.7	9.6	5.4	5.4	...	10.3
White, total	3,072,640	2,545,590	1,971,327	574,263	363,139	97,210	69,505	27,705	66,701
No visits	27,705	...	...	...	...	27,705	...	27,705	...
1-2 visits	24,285	5,998	4,033	1,965	5,461	11,790	11,790	...	1,036
3-4 visits	51,959	14,659	8,411	6,248	18,540	17,363	17,363	...	1,397
5-6 visits	118,539	51,238	29,959	21,279	47,723	17,502	17,502	...	2,076
7-8 visits	240,235	149,460	92,770	56,690	77,186	10,486	10,486	...	3,103
9-10 visits	569,728	455,022	306,558	148,464	103,139	5,918	5,918	...	5,649
11-12 visits	818,391	751,585	581,509	170,076	59,847	2,482	2,482	...	4,477
13-14 visits	549,599	523,343	437,443	85,900	22,974	1,045	1,045	...	2,237
15-16 visits	378,548	361,757	311,103	50,654	14,563	677	677	...	1,551
17-18 visits	83,131	79,907	68,768	11,139	2,702	150	150	...	372
19 visits or more	118,118	112,781	99,842	12,939	4,432	269	269	...	636
Not stated	92,402	39,840	30,931	8,909	6,572	1,823	1,823	...	44,167
Median number of visits	12.4	12.7	12.9	11.8	9.8	5.5	5.5	...	10.5
White, non-Hispanic	2,333,363	2,014,137	1,591,887	422,250	223,753	54,238	38,205	16,033	41,235
No visits	16,033	...	...	...	...	16,033	...	16,033	...
1-2 visits	13,106	3,464	2,390	1,074	2,968	6,076	6,076	...	598
3-4 visits	29,081	8,946	5,336	3,610	10,222	9,063	9,063	...	850
5-6 visits	72,141	34,279	20,887	13,392	27,212	9,393	9,393	...	1,257
7-8 visits	162,353	108,559	69,581	38,978	45,842	6,015	6,015	...	1,937
9-10 visits	413,280	342,713	237,365	105,348	63,161	3,531	3,531	...	3,875
11-12 visits	653,753	607,759	477,151	130,608	40,982	1,612	1,612	...	3,400
13-14 visits	451,319	432,695	364,260	68,435	16,173	728	728	...	1,723
15-16 visits	299,638	288,998	252,189	36,809	9,022	432	432	...	1,186
17-18 visits	68,575	66,221	57,432	8,789	1,962	102	102	...	290
19 visits or more	97,235	93,568	83,450	10,118	2,982	184	184	...	501
Not stated	56,849	26,935	21,846	5,089	3,227	1,069	1,069	...	25,618
Median number of visits	12.5	12.7	12.9	12.0	10.0	5.7	5.7	...	10.8
Black, total	599,913	414,251	301,287	112,964	117,343	41,592	25,356	16,236	26,727
No visits	16,236	...	...	...	...	16,236	...	16,236	...
1-2 visits	12,789	2,948	1,809	1,139	3,729	5,441	5,441	...	671
3-4 visits	23,230	6,584	3,758	2,826	9,306	6,663	6,663	...	677
5-6 visits	41,313	16,119	9,321	6,798	18,294	6,047	6,047	...	853
7-8 visits	59,099	30,810	18,100	12,710	23,895	3,337	3,337	...	1,057
9-10 visits	114,753	80,122	50,638	29,484	30,995	1,933	1,933	...	1,703
11-12 visits	122,612	105,509	77,157	28,352	15,645	556	556	...	902
13-14 visits	77,816	71,340	57,736	13,604	5,846	232	232	...	398
15-16 visits	63,784	58,693	48,478	10,215	4,503	171	171	...	417
17-18 visits	13,450	12,599	10,404	2,195	730	44	44	...	77
19 visits or more	21,562	19,605	16,560	3,045	1,710	94	94	...	153
Not stated	33,269	9,922	7,326	2,596	2,690	838	838	...	19,819
Median number of visits	11.7	12.5	12.8	11.2	9.2	5.0	5.0	...	9.4

See footnotes at end of table.

Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 1997 —Con.

Number of prenatal visits and race and Hispanic origin of mother	All births	Month of pregnancy prenatal care began							
		1st trimester			2d trimester	Late or no care			Not stated
		Total	1st and 2d months	3d month	4th-6th months	Total	7th-9th months	No care	
Black, non-Hispanic	581,431	401,994	292,736	109,258	113,971	40,425	24,502	15,923	25,041
No visits	15,923	...	...	...	...	15,923	...	15,923	...
1-2 visits	12,450	2,866	1,758	1,108	3,635	5,321	5,321	...	628
3-4 visits	22,576	6,406	3,660	2,746	9,081	6,450	6,450	...	639
5-6 visits	39,967	15,596	9,024	6,572	17,762	5,803	5,803	...	806
7-8 visits	56,994	29,648	17,432	12,216	23,159	3,206	3,206	...	981
9-10 visits	110,519	77,036	48,646	28,390	30,086	1,855	1,855	...	1,542
11-12 visits	118,878	102,383	74,964	27,419	15,152	536	536	...	807
13-14 visits	75,818	69,533	56,342	13,191	5,685	220	220	...	380
15-16 visits	62,332	57,378	47,395	9,983	4,404	163	163	...	387
17-18 visits	13,136	12,310	10,179	2,131	711	43	43	...	72
19 visits or more	21,077	19,179	16,197	2,982	1,672	92	92	...	134
Not stated	31,761	9,659	7,139	2,520	2,624	813	813	...	18,665
Median number of visits	11.7	12.5	12.8	11.3	9.2	5.0	5.0	...	9.3
Hispanic [2]	709,767	506,442	358,733	147,709	138,218	42,666	31,283	11,383	22,441
No visits	11,383	...	...	...	...	11,383	...	11,383	...
1-2 visits	11,107	2,486	1,603	883	2,484	5,698	5,698	...	439
3-4 visits	22,809	5,665	3,052	2,613	8,295	8,309	8,309	...	540
5-6 visits	46,050	16,586	8,820	7,766	20,535	8,136	8,136	...	793
7-8 visits	75,990	39,271	21,933	17,338	31,106	4,468	4,468	...	1,145
9-10 visits	151,885	108,105	65,966	42,139	39,666	2,388	2,388	...	1,726
11-12 visits	155,352	134,974	96,969	38,005	18,510	855	855	...	1,013
13-14 visits	92,954	85,554	68,895	16,659	6,652	309	309	...	439
15-16 visits	75,953	69,874	56,350	13,524	5,496	253	253	...	330
17-18 visits	13,895	13,048	10,751	2,297	727	48	48	...	72
19 visits or more	20,153	18,500	15,728	2,772	1,446	84	84	...	123
Not stated	32,236	12,379	8,666	3,713	3,301	735	735	...	15,821
Median number of visits	11.5	12.4	12.7	11.1	9.4	5.3	5.3	...	9.7

... Category not applicable.
1 Includes races other than white and black and origin not stated.
2 Persons of Hispanic origin may be of any race.

Table 36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 1997

[Rates are number of live births with specified procedure per 1,000 live births in specified group]

Obstetric procedure and race of mother	All births	Obstetric procedure reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races [1]										
Amniocentesis	3,880,894	118,298	30.7	8.1	9.9	13.6	26.6	131.0	177.2	30,008
Electronic fetal monitoring	3,880,894	3,207,918	833.0	843.0	836.7	835.4	830.5	818.2	800.4	30,008
Induction of labor	3,880,894	708,151	183.9	165.0	178.7	192.2	189.5	184.4	185.1	30,008
Stimulation of labor	3,880,894	670,409	174.1	184.7	179.0	176.4	170.4	157.1	147.1	30,008
Tocolysis	3,880,894	85,834	22.3	24.5	23.1	21.9	21.3	21.0	21.7	30,008
Ultrasound	3,880,894	2,480,726	644.2	620.1	634.6	651.9	655.0	652.3	641.5	30,008
White										
Amniocentesis	3,072,640	101,043	33.1	8.5	10.1	14.0	27.8	138.7	189.8	22,716
Electronic fetal monitoring	3,072,640	2,548,914	835.7	845.0	838.4	838.7	834.6	821.6	803.4	22,716
Induction of labor	3,072,640	598,273	196.2	179.3	192.2	203.9	199.9	193.8	194.7	22,716
Stimulation of labor	3,072,640	541,361	177.5	191.5	183.7	179.3	173.2	160.1	149.8	22,716
Tocolysis	3,072,640	68,238	22.4	25.2	23.4	22.0	21.3	21.0	21.2	22,716
Ultrasound	3,072,640	2,008,198	658.4	640.5	649.8	664.6	666.1	663.8	652.8	22,716
Black										
Amniocentesis	599,913	10,209	17.1	7.0	8.9	12.2	18.9	74.2	99.6	3,453
Electronic fetal monitoring	599,913	497,949	834.8	844.9	839.9	833.2	824.1	817.1	810.1	3,453
Induction of labor	599,913	82,039	137.5	131.0	134.6	142.2	140.9	144.9	151.1	3,453
Stimulation of labor	599,913	95,011	159.3	170.7	164.5	157.9	149.6	135.3	128.8	3,453
Tocolysis	599,913	13,002	21.8	22.2	21.9	21.6	21.8	20.5	23.4	3,453
Ultrasound	599,913	349,846	586.5	573.3	584.9	595.2	593.4	591.4	588.4	3,453

[1] Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 37. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother: United States, 1997

[Rates are number of live births with specified complication per 1,000 live births in specified group]

Complication and race of mother	All births [1]	Complication reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races [2]										
Febrile	3,880,894	60,114	15.7	18.7	16.1	16.1	14.7	12.4	12.6	40,352
Meconium, moderate/heavy	3,880,894	215,127	56.0	60.2	56.3	54.4	54.7	56.6	60.1	40,352
Premature rupture of membrane	3,880,894	108,831	28.3	28.8	26.9	27.7	28.9	30.4	33.7	40,352
Abruptio placenta	3,880,894	22,063	5.7	5.3	5.4	5.4	5.9	7.2	8.8	40,352
Placenta previa	3,880,894	12,477	3.2	1.1	1.9	2.9	4.4	6.5	9.1	40,352
Other excessive bleeding	3,880,894	21,797	5.7	5.4	5.4	5.4	5.7	6.7	7.7	40,352
Seizures during labor	3,880,894	1,286	0.3	0.7	0.3	0.3	0.2	0.2	0.4	40,352
Precipitous labor	3,880,894	79,713	20.8	14.6	19.6	20.7	23.3	24.9	24.3	40,352
Prolonged labor	3,880,894	32,728	8.5	8.9	8.7	8.7	8.2	8.0	8.7	40,352
Dysfunctional labor	3,880,894	106,157	27.6	25.9	26.7	28.4	28.3	28.1	30.6	40,352
Breech/Malpresentation	3,880,894	147,248	38.3	29.8	31.8	37.9	43.9	49.5	55.4	40,352
Cephalopelvic disproportion	3,880,894	81,208	21.1	19.5	19.6	22.4	22.1	21.0	21.9	40,352
Cord prolapse	3,880,894	7,868	2.0	1.6	1.7	2.0	2.3	2.6	2.9	40,352
Anesthetic complication [3]	3,546,920	2,181	0.6	0.4	0.5	0.6	0.7	0.8	0.7	42,875
Fetal distress [3]	3,546,920	141,502	40.4	44.3	39.8	38.6	39.1	42.8	49.3	42,875
White										
Febrile	3,072,640	45,442	14.9	17.8	15.6	15.6	14.0	11.8	11.8	31,747
Meconium, moderate/heavy	3,072,640	156,876	51.6	53.7	51.5	50.4	51.0	53.1	56.3	31,747
Premature rupture of membrane	3,072,640	83,123	27.3	27.1	25.7	26.9	28.0	29.6	33.0	31,747
Abruptio placenta	3,072,640	16,943	5.6	5.3	5.2	5.2	5.7	6.9	8.6	31,747
Placenta previa	3,072,640	9,834	3.2	1.1	1.8	2.8	4.3	6.2	8.8	31,747
Other excessive bleeding	3,072,640	17,234	5.7	5.8	5.6	5.4	5.6	6.4	7.2	31,747
Seizures during labor	3,072,640	921	0.3	0.6	0.3	0.3	0.2	0.2	0.4	31,747
Precipitous labor	3,072,640	62,027	20.4	13.4	18.7	20.1	23.3	25.1	24.0	31,747
Prolonged labor	3,072,640	26,681	8.8	9.5	9.1	8.8	8.3	8.2	9.2	31,747
Dysfunctional labor	3,072,640	85,168	28.0	26.3	27.3	28.8	28.3	27.9	30.9	31,747
Breech/Malpresentation	3,072,640	122,347	40.2	32.7	33.6	39.6	44.9	50.4	56.2	31,747
Cephalopelvic disproportion	3,072,640	66,674	21.9	20.2	20.7	23.3	22.6	21.3	21.8	31,747
Cord prolapse	3,072,640	6,220	2.0	1.5	1.8	2.0	2.3	2.5	2.9	31,747
Anesthetic complication [3]	2,788,319	1,795	0.7	0.5	0.5	0.7	0.7	0.8	0.7	33,844
Fetal distress [3]	2,788,319	105,621	38.3	41.6	37.8	36.9	37.4	40.7	46.1	33,844
Black										
Febrile	599,913	10,127	17.0	20.9	17.0	16.1	15.1	13.1	12.6	4,747
Meconium, moderate/heavy	599,913	46,465	78.1	76.5	74.7	78.4	82.9	83.8	84.6	4,747
Premature rupture of membrane	599,913	19,703	33.1	32.1	30.8	32.7	36.4	38.1	41.5	4,747
Abruptio placenta	599,913	4,061	6.8	5.6	6.2	6.8	8.1	9.6	10.0	4,747
Placenta previa	599,913	1,708	2.9	1.0	1.8	3.2	4.6	6.9	8.2	4,747
Other excessive bleeding	599,913	2,850	4.8	4.0	4.2	4.9	5.4	7.0	8.4	4,747
Seizures during labor	599,913	299	0.5	0.9	0.4	0.4	0.4	*	*	4,747
Precipitous labor	599,913	13,155	22.1	16.7	22.2	24.1	25.1	24.7	26.4	4,747
Prolonged labor	599,913	3,988	6.7	7.1	6.5	6.8	6.7	6.1	5.3	4,747
Dysfunctional labor	599,913	15,143	25.4	23.9	24.0	26.0	27.5	28.8	28.7	4,747
Breech/Malpresentation	599,913	17,870	30.0	22.7	25.3	30.0	39.6	46.4	52.1	4,747
Cephalopelvic disproportion	599,913	9,931	16.7	18.1	15.6	16.8	17.3	15.5	15.3	4,747
Cord prolapse	599,913	1,268	2.1	1.8	1.7	2.3	2.7	3.0	3.2	4,747
Anesthetic complication [3]	560,429	290	0.5	0.3	0.5	0.5	0.6	1.0	*	5,123
Fetal distress [3]	560,429	29,248	52.7	52.0	49.4	52.2	54.8	60.7	73.7	5,123

* Figure does not meet standards of reliability or precision.
[1] Total number of births to residents of areas reporting specified complication.
[2] Includes races other than white and black.
[3] Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on the birth certificate. Persons of Hispanic origin may be of any race. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see Technical notes.

Table 38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 1997

Place of delivery and race and Hispanic origin of mother	All births	Physician			Midwife			Other	Unspecified
		Total	Doctor of medicine	Doctor of osteopathy	Total	Certified nurse midwife	Other midwife		
All races [1]									
Total	3,880,894	3,584,686	3,435,037	149,649	272,201	258,227	13,974	22,207	1,800
In hospital[2]	3,843,506	3,579,057	3,430,553	148,504	251,758	248,802	2,956	12,052	639
Not in hospital	36,521	5,419	4,372	1,047	20,164	9,179	10,985	9,911	1,027
Freestanding birthing center	10,264	1,484	880	604	8,596	6,239	2,357	177	7
Clinic or doctor's office	705	385	308	77	168	89	79	130	22
Residence	23,236	2,792	2,473	319	11,082	2,664	8,418	8,545	817
Other	2,316	758	711	47	318	187	131	1,059	181
Not specified	867	210	112	98	279	246	33	244	134
White, total									
Total	3,072,640	2,843,483	2,714,373	129,110	210,960	198,333	12,627	16,836	1,361
In hospital[2]	3,040,220	2,839,398	2,711,370	128,028	191,618	189,639	1,979	8,718	486
Not in hospital	31,629	3,901	2,915	986	19,075	8,460	10,615	7,885	768
Freestanding birthing center	9,626	1,429	829	600	8,023	5,764	2,259	167	7
Clinic or doctor's office	564	306	234	72	152	79	73	88	18
Residence	19,973	1,787	1,503	284	10,624	2,462	8,162	6,909	653
Other	1,466	379	349	30	276	155	121	721	90
Not specified	791	184	88	96	267	234	33	233	107
White, non-Hispanic									
Total	2,333,363	2,173,703	2,067,425	106,278	146,174	135,666	10,508	12,525	961
In hospital[2]	2,306,735	2,170,275	2,065,032	105,243	130,390	128,742	1,648	5,747	323
Not in hospital	25,976	3,257	2,314	943	15,578	6,751	8,827	6,555	586
Freestanding birthing center	6,933	1,237	645	592	5,558	4,368	1,190	136	2
Clinic or doctor's office	505	279	208	71	129	64	65	79	18
Residence	17,518	1,472	1,217	255	9,682	2,217	7,465	5,844	520
Other	1,020	269	244	25	209	102	107	496	46
Not specified	652	171	79	92	206	173	33	223	52
Black, total									
Total	599,913	551,569	536,066	15,503	44,190	43,182	1,008	3,842	312
In hospital[2]	596,216	550,309	534,857	15,452	43,519	42,686	833	2,265	123
Not in hospital	3,637	1,241	1,192	49	664	489	175	1,566	166
Freestanding birthing center	421	25	24	1	391	330	61	5	-
Clinic or doctor's office	52	30	29	1	8	5	3	12	2
Residence	2,522	888	856	32	236	131	105	1,301	97
Other	642	298	283	15	29	23	6	248	67
Not specified	60	19	17	2	7	7	-	11	23
Black, non-Hispanic									
Total	581,431	536,324	521,396	14,928	41,072	40,094	978	3,751	284
In hospital[2]	577,882	535,099	520,221	14,878	40,450	39,633	817	2,216	117
Not in hospital	3,502	1,206	1,158	48	615	454	161	1,525	156
Freestanding birthing center	407	25	24	1	377	317	60	5	-
Clinic or doctor's office	51	29	28	1	8	5	3	12	2
Residence	2,423	859	827	32	203	110	93	1,267	94
Other	621	293	279	14	27	22	5	241	60
Not specified	47	19	17	2	7	7	-	10	11
Hispanic [3]									
Total	709,767	641,734	620,710	21,024	63,812	61,866	1,946	3,952	269
In hospital[2]	704,762	641,153	620,167	20,986	60,527	60,238	289	2,937	145
Not in hospital	4,984	572	538	34	3,278	1,621	1,657	1,013	121
Freestanding birthing center	2,662	186	178	8	2,441	1,374	1,067	30	5
Clinic or doctor's office	58	28	27	1	21	14	7	9	-
Residence	1,863	255	234	21	755	184	571	767	86
Other	401	103	99	4	61	49	12	207	30
Not specified	21	9	5	4	7	7	-	2	3

- Quantity zero.
[1] Includes races other than white and black and origin not stated.
[2] Includes births occurring en route to or on arrival at hospital.
[3] Includes all persons of Hispanic origin of any race.

Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-97

Year and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean[3]
	All births	Vaginal		Cesarean			Not stated	Total[1]	Primary[2]	
		Total	After previous cesarean	Total	Primary	Repeat				
All races[4]										
1997	3,880,894	3,046,621	112,145	799,033	502,526	296,507	35,240	20.8	14.6	27.4
1996	3,891,494	3,061,092	116,045	797,119	503,724	293,395	33,283	20.7	14.6	28.3
1995	3,899,589	3,063,724	112,439	806,722	510,104	296,618	29,143	20.8	14.7	27.5
1994	3,952,767	3,087,576	110,341	830,517	520,647	309,870	34,674	21.2	14.9	26.3
1993	4,000,240	3,098,796	103,581	861,987	539,251	322,736	39,457	21.8	15.3	24.3
1992	4,065,014	3,100,710	97,549	888,622	554,662	333,960	75,682	22.3	15.6	22.6
1991	4,110,907	3,100,891	90,690	905,077	569,195	335,882	104,939	22.6	15.9	21.3
1990[5]	4,110,563	3,111,421	84,299	914,096	575,066	339,030	85,046	22.7	16.0	19.9
1989[6]	3,798,734	2,793,463	71,019	826,955	521,873	305,082	178,316	22.8	16.1	18.9
White, total										
1997	3,072,640	2,415,236	89,522	630,613	393,603	237,010	26,791	20.7	14.5	27.4
1996	3,093,057	2,434,079	93,783	631,409	395,851	235,558	27,569	20.6	14.5	28.5
1995	3,098,885	2,435,191	90,940	639,818	401,098	238,720	23,876	20.8	14.6	27.6
1994	3,121,004	2,435,965	88,471	656,400	407,946	248,454	28,639	21.2	14.8	26.3
1993	3,149,833	2,435,229	82,995	682,355	423,540	258,815	32,249	21.9	15.3	24.3
1992	3,201,678	2,434,959	77,977	705,841	437,398	268,443	60,878	22.5	15.7	22.5
1991	3,241,273	2,434,900	72,564	723,088	452,534	270,554	83,285	22.9	16.1	21.1
1990[5]	3,252,473	2,453,857	67,191	732,713	458,656	274,057	65,903	23.0	16.1	19.7
1989[6]	3,022,537	2,212,843	56,851	667,114	418,177	248,937	142,580	23.2	16.2	18.6
White, non-Hispanic										
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[8]	2,527,207	1,916,414	63,828	566,788	352,470	214,318	44,005	22.8	16.0	22.9
1991[8]	2,589,878	1,941,726	60,174	587,802	368,721	219,081	60,350	23.2	16.4	21.5
1990[5, 9]	2,626,500	1,972,754	55,952	603,467	378,508	224,959	50,279	23.4	16.5	19.9
1989[6, 10]	2,526,367	1,806,753	47,559	556,585	349,858	206,727	163,029	23.6	16.6	18.7
Black, total										
1997	599,913	466,001	16,986	130,142	83,025	47,117	3,770	21.8	15.6	26.5
1996	594,781	462,378	16,866	128,357	82,646	45,711	4,046	21.7	15.6	27.0
1995	603,139	468,984	16,224	130,482	84,441	46,041	3,673	21.8	15.7	26.1
1994	636,391	493,879	16,970	138,067	88,636	49,431	4,445	21.8	15.7	25.6
1993	658,875	509,816	16,179	143,452	91,677	51,775	5,607	22.0	15.7	23.8
1992	673,633	514,929	15,382	146,480	93,165	53,315	12,224	22.1	15.7	22.4
1991	682,602	519,047	14,213	145,583	92,645	52,938	17,972	21.9	15.5	21.2
1990[5]	679,236	516,581	13,496	146,472	93,476	52,996	16,183	22.1	15.7	20.3
1989[6]	611,147	452,291	11,104	127,907	82,695	45,212	30,319	22.0	15.8	19.7
Black, non-Hispanic										
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[8]	657,450	502,669	14,950	143,153	91,086	52,067	11,628	22.2	15.7	22.3
1991[8]	666,758	507,522	13,847	142,417	90,664	51,753	16,819	21.9	15.5	21.1
1990[5, 9]	661,701	503,720	13,157	142,838	91,175	51,663	15,143	22.1	15.7	20.3
1989[6, 10]	611,269	440,310	10,726	125,290	81,177	44,113	45,669	22.2	15.9	19.6
Hispanic[7]										
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[8]	643,271	494,338	13,111	133,369	81,211	52,158	15,564	21.2	14.4	20.1
1991[8]	623,085	472,126	11,615	129,752	80,228	49,524	21,207	21.6	14.8	19.0
1990[5, 9]	595,073	458,242	10,395	122,969	76,027	46,942	13,862	21.2	14.5	18.1
1989[6, 10]	532,249	385,462	8,549	105,268	64,905	40,363	41,519	21.5	14.7	17.5

1 Percent of all live births by cesarean delivery.
2 Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
3 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
4 Includes races other than white and black and origin not stated.
5 Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.
6 Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.
7 Includes Persons of Hispanic origin of any race.
8 Excludes data for New Hampshire which did not report Hispanic origin.
9 Excludes data for New Hampshire and Oklahoma which did not report Hispanic origin.
10 Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

Table 40. Live births by method of delivery, and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 1997

Age and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean [3]
	All births	Vaginal		Cesarean			Not stated	Total [1]	Primary [2]	
		Total	After previous cesarean	Total	Primary	Repeat				
All races [4]	3,880,894	3,046,621	112,145	799,033	502,526	296,507	35,240	20.8	14.6	27.4
Under 20 years	493,341	419,228	3,813	70,087	62,475	7,612	4,026	14.3	13.1	33.4
20-24 years	942,048	772,126	21,144	161,513	111,725	49,788	8,409	17.3	13.0	29.8
25-29 years	1,069,436	841,432	32,613	218,191	135,972	82,219	9,813	20.6	14.4	28.4
30-34 years	886,798	668,566	34,843	210,052	117,119	92,933	8,180	23.9	15.6	27.3
35-39 years	409,710	292,033	16,964	113,669	60,466	53,203	4,008	28.0	18.0	24.2
40-54 years	79,561	53,236	2,768	25,521	14,769	10,752	804	32.4	22.6	20.5
White, total	3,072,640	2,415,236	89,522	630,613	393,603	237,010	26,791	20.7	14.5	27.4
Under 20 years	343,293	292,651	2,305	47,871	43,057	4,814	2,771	14.1	12.9	32.4
20-24 years	720,546	592,302	15,363	122,079	85,365	36,714	6,165	17.1	12.9	29.5
25-29 years	871,636	687,177	26,121	176,754	110,265	66,489	7,705	20.5	14.3	28.2
30-34 years	735,571	557,241	29,173	171,868	95,029	76,839	6,462	23.6	15.3	27.5
35-39 years	337,423	242,492	14,281	91,847	48,265	43,582	3,084	27.5	17.5	24.7
40-54 years	64,171	43,373	2,279	20,194	11,622	8,572	604	31.8	22.0	21.0
White, non-Hispanic	2,333,363	1,829,213	70,284	481,982	305,605	176,377	22,168	20.9	14.8	28.5
Under 20 years	222,097	188,388	1,373	31,542	28,692	2,850	2,167	14.3	13.3	32.5
20-24 years	500,928	410,557	10,598	85,343	60,966	24,377	5,028	17.2	13.2	30.3
25-29 years	674,498	532,371	19,930	135,686	87,865	47,821	6,441	20.3	14.6	29.4
30-34 years	603,304	459,428	24,227	138,407	78,568	59,839	5,469	23.2	15.3	28.8
35-39 years	280,393	203,068	12,227	74,751	40,065	34,686	2,574	26.9	17.4	26.1
40-54 years	52,143	35,401	1,929	16,253	9,449	6,804	489	31.5	22.0	22.1
Black, total	599,913	466,001	16,986	130,142	83,025	47,117	3,770	21.8	15.6	26.5
Under 20 years	133,251	112,077	1,370	20,460	17,817	2,643	714	15.4	13.9	34.1
20-24 years	182,600	147,284	4,992	34,154	22,315	11,839	1,162	18.8	13.6	29.7
25-29 years	135,529	103,457	4,966	31,181	18,184	12,997	891	23.2	15.6	27.6
30-34 years	94,123	67,106	3,756	26,410	14,684	11,726	607	28.2	18.8	24.3
35-39 years	45,069	30,162	1,631	14,585	8,073	6,512	322	32.6	22.1	20.0
40-54 years	9,341	5,915	271	3,352	1,952	1,400	74	36.2	25.7	16.2
Black, non-Hispanic	581,431	451,744	16,353	126,138	80,599	45,539	3,549	21.8	15.6	26.4
Under 20 years	129,956	109,246	1,344	20,032	17,436	2,596	678	15.5	13.9	34.1
20-24 years	177,494	143,145	4,847	33,243	21,676	11,567	1,106	18.8	13.5	29.5
25-29 years	130,942	99,907	4,776	30,201	17,623	12,578	834	23.2	15.6	27.5
30-34 years	90,637	64,665	3,561	25,408	14,174	11,234	564	28.2	18.8	24.1
35-39 years	43,434	29,085	1,562	14,047	7,816	6,231	302	32.6	22.1	20.0
40-54 years	8,968	5,696	263	3,207	1,874	1,333	65	36.0	25.6	16.5
Hispanic [5]	709,767	563,114	17,942	142,907	84,410	58,497	3,746	20.2	13.4	23.5
Under 20 years	120,955	104,084	934	16,230	14,269	1,961	641	13.5	12.2	32.3
20-24 years	216,152	178,775	4,651	36,257	24,023	12,234	1,120	16.9	12.1	27.5
25-29 years	188,669	148,107	5,912	39,563	21,361	18,202	999	21.1	13.1	24.5
30-34 years	121,539	89,530	4,413	31,382	15,226	16,156	627	26.0	15.2	21.5
35-39 years	51,601	35,460	1,743	15,836	7,552	8,284	305	30.9	18.3	17.4
40-54 years	10,851	7,158	289	3,639	1,979	1,660	54	33.7	22.4	14.8

[1] Percent of all live births by cesarean delivery.
[2] Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
[3] Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
[4] Includes races other than white and black and origin not stated.
[5] Includes all persons of Hispanic origin of any race.

Table 41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 1997

[By place of residence]

State	Cesarean delivery rate [1]						Rate of vaginal births after previous cesarean [2]					
		White		Black				White		Black		
	All races [3]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [4]	All races [3]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [4]
United States [5]	20.8	20.7	20.9	21.8	21.8	20.2	27.4	27.4	28.5	26.5	26.4	23.5
Alabama	23.9	24.5	24.6	22.6	22.6	20.9	22.3	21.6	21.4	23.7	23.7	27.4
Alaska	16.8	19.2	19.1	22.8	23.0	21.4	33.4	27.8	27.7	*	*	*
Arizona	16.8	16.8	18.1	19.9	20.0	15.1	26.4	25.3	25.7	24.2	23.2	25.0
Arkansas	24.5	24.3	24.6	25.6	25.6	18.8	19.3	18.9	18.5	20.2	20.2	25.8
California	21.0	21.0	21.9	23.3	23.3	20.3	20.6	20.4	21.7	18.1	18.1	19.5
Colorado	15.3	15.2	15.4	17.8	17.9	14.4	35.7	36.0	35.4	35.5	35.8	37.4
Connecticut	19.8	19.7	20.1	20.2	20.4	17.2	33.2	33.5	34.2	30.3	30.6	31.2
Delaware	21.0	20.9	21.3	20.9	21.0	15.4	31.0	30.2	29.5	33.5	32.9	39.6
District of Columbia	21.2	20.3	22.1	21.7	21.8	16.5	23.4	17.9	*	24.6	24.3	*
Florida	22.2	22.6	21.9	20.9	20.9	24.5	24.2	24.1	26.4	24.1	24.1	18.1
Georgia	20.8	20.6	21.1	21.2	21.3	16.3	23.7	24.1	23.8	22.9	22.8	26.9
Hawaii	16.7	19.8	19.7	20.8	21.2	17.5	44.7	37.0	37.6	39.1	37.1	45.3
Idaho	16.4	16.4	16.2	*	*	17.7	33.5	33.8	34.4	*	*	27.6
Illinois	19.1	19.2	19.9	19.0	19.0	16.8	32.7	33.7	33.5	28.6	28.6	34.4
Indiana	19.7	19.6	19.6	20.2	20.2	19.9	27.7	27.9	28.0	26.1	26.2	28.0
Iowa	18.9	19.0	19.2	17.7	16.8	16.2	33.6	33.8	33.3	27.6	30.0	42.2
Kansas	18.5	18.6	18.8	18.5	18.5	16.4	27.1	26.4	26.5	32.8	32.8	26.1
Kentucky	22.4	22.4	22.5	22.0	21.9	17.5	24.1	24.0	23.8	26.1	26.1	28.9
Louisiana	25.4	26.4	26.5	24.2	24.2	24.4	13.0	10.5	10.4	16.9	16.8	*
Maine	20.8	20.8	20.8	*	*	20.7	29.3	28.9	29.3	*	*	*
Maryland	21.0	20.6	21.0	21.9	22.0	16.7	31.1	31.7	31.5	29.3	29.3	31.4
Massachusetts	19.7	19.8	20.2	21.0	20.8	17.7	33.7	33.8	33.9	29.8	30.2	31.6
Michigan	20.1	20.2	20.3	19.8	19.9	19.9	27.1	27.4	27.2	25.9	25.7	29.2
Minnesota	17.1	17.6	17.7	16.3	16.2	17.5	34.7	33.7	33.5	43.6	43.8	37.6
Mississippi	26.7	27.8	27.9	25.5	25.5	22.3	15.6	13.9	13.7	17.4	17.4	*
Missouri	20.1	20.4	20.5	18.0	18.0	19.9	30.8	30.0	30.1	36.4	36.3	30.5
Montana	19.0	18.5	18.5	*	*	18.6	32.5	34.2	34.0	*	*	*
Nebraska	20.2	20.3	20.5	18.9	19.0	18.6	27.6	27.5	27.2	28.5	28.5	28.1
Nevada	20.1	19.6	20.9	23.2	23.4	17.0	26.6	26.9	25.6	25.5	25.4	29.5
New Hampshire	19.3	19.3	19.5	19.4	*	15.8	36.3	36.4	36.3	*	*	*
New Jersey	24.9	25.0	25.0	24.4	24.1	25.2	34.1	33.4	34.3	37.7	39.1	29.5
New Mexico	16.6	17.2	17.5	21.9	22.0	16.9	39.3	38.2	38.7	*	*	38.0
New York	23.0	23.0	23.5	23.4	23.5	22.2	31.7	32.2	31.6	30.7	30.8	30.6
North Carolina	21.2	21.2	21.6	21.6	21.6	16.6	28.2	28.1	27.7	28.1	28.2	33.6
North Dakota	18.4	18.2	18.2	*	*	21.2	32.3	32.4	32.3	*	*	*
Ohio	19.0	19.1	19.1	18.9	18.8	20.1	35.5	35.3	35.3	36.9	37.0	33.8
Oklahoma	22.3	22.1	22.3	23.0	23.0	20.8	21.6	21.0	20.6	24.7	24.5	25.2
Oregon	16.9	16.9	17.1	19.3	19.0	15.5	37.6	37.6	37.2	38.2	37.6	40.5
Pennsylvania	19.4	19.5	19.7	18.9	18.9	17.1	35.0	34.2	33.9	39.3	39.4	38.2
Rhode Island	18.6	18.8	19.5	19.5	18.9	16.5	31.8	31.3	31.0	27.7	28.4	31.8
South Carolina	22.8	23.0	23.1	22.5	22.5	18.0	23.3	24.0	23.5	21.7	21.8	35.6
South Dakota	20.0	19.8	19.8	22.2	22.7	20.6	23.6	25.2	25.0	*	*	*
Tennessee	21.9	21.9	22.0	21.7	21.7	19.2	25.6	24.9	24.8	27.7	27.7	30.1
Texas	23.1	23.0	23.7	24.8	24.9	22.3	19.5	19.5	21.8	18.1	18.2	17.4
Utah	15.8	15.7	15.6	18.8	19.4	17.1	32.9	32.7	32.2	*	*	36.4
Vermont	15.6	15.6	15.6	*	*	*	39.3	39.5	39.6	*	*	*
Virginia	21.5	21.1	21.1	22.8	22.9	20.3	31.6	31.6	31.5	31.2	31.2	31.8
Washington	17.2	17.0	17.0	21.4	21.5	17.1	34.3	34.2	34.4	30.0	29.7	33.8
West Virginia	24.4	24.2	24.3	28.9	28.9	*	21.2	21.3	21.3	*	*	*
Wisconsin	15.7	16.2	16.3	13.1	13.1	15.3	33.6	33.8	34.0	28.9	29.1	29.8
Wyoming	18.6	18.5	18.3	*	*	20.4	31.6	31.1	32.2	*	*	*
Puerto Rico	33.4	33.8	—	28.7	—	—	8.0	7.9	—	8.7	—	—
Virgin Islands	22.8	24.3	26.2	22.7	22.6	21.8	19.8	*	*	21.8	22.9	*
Guam	15.8	15.4	15.1	*	*	*	30.8	*	*	*	*	*

* Figure does not meet standards of reliability or precision.
— Data not available.
1 Percent of all live births by cesarean delivery.
2 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
3 Includes races other than white and black and origin not stated.
4 Includes all persons of Hispanic origin of any race.
5 Excludes data for Puerto Rico, Virgin Islands, and Guam.
NOTE: Data on method of delivery are not available for American Samoa.

Table 42. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by selected maternal medical risk factors and complications of labor and/or delivery: United States, 1997

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	77,334	22.3	15.7	30.7
Cardiac disease	19,929	24.5	17.5	31.6
Acute or chronic lung disease	37,153	24.0	17.2	30.3
Diabetes	101,176	35.6	25.6	19.9
Genital herpes [4]	31,550	35.0	29.1	29.7
Hydramnios/Oligohydramnios	50,025	35.8	30.6	25.6
Hemoglobinopathy	3,123	25.1	17.7	25.2
Hypertension, chronic	26,378	39.7	30.1	18.2
Hypertension, pregnancy-associated	141,235	35.5	30.7	21.7
Eclampsia	12,782	48.0	43.8	15.5
Incompetent cervix	10,208	31.2	24.5	29.1
Renal disease [5]	10,886	24.7	18.0	30.0
Rh sensitization [6]	24,505	21.7	15.4	33.5
Uterine bleeding [4]	24,463	31.2	24.4	24.9
Complications of labor and/or delivery				
Febrile	60,114	30.1	28.2	49.1
Meconium, moderate/heavy	215,127	20.1	17.2	47.4
Premature rupture of membrane	108,831	25.1	22.1	40.7
Abruptio placenta	22,063	58.2	53.5	17.7
Placenta previa	12,477	82.0	78.3	5.0
Other excessive bleeding [7]	21,797	26.7	21.1	34.4
Seizures during labor	1,286	49.1	46.7	25.7
Precipitous labor (less than 3 hours)	79,713	2.4	1.5	78.2
Prolonged labor (more than 20 hours)	32,728	35.0	33.6	47.8
Dysfunctional labor	106,157	63.2	60.6	16.8
Breech/Malpresentation	147,248	84.5	82.9	5.3
Cephalopelvic disproportion	81,208	96.2	95.7	1.7
Cord prolapse	7,868	66.4	64.1	14.3
Anesthetic complication [8]	2,181	41.4	32.9	23.5
Fetal distress [8]	141,502	54.4	51.6	23.5

[1] Percent of all live births by cesarean delivery.
[2] Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
[3] Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
[4] Texas does not report this risk factor.
[5] Alabama does not report this risk factor.
[6] Kansas does not report this risk factor.
[7] New Jersey does not report this complication.
[8] Texas does not report this complication.

Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1997

Birthweight [1] and race and Hispanic origin of mother	All births	Period of gestation [2]										
		Preterm					Term				Postterm	Not stated
		Total under 37 weeks	Under 28 weeks	28-31 weeks	32-35 weeks	36 weeks	Total 37-41 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks and over	
	Number											
All races [3]	3,880,894	436,600	28,005	46,398	204,232	157,965	3,103,295	1,793,421	851,729	458,145	302,541	38,458
Less than 500 grams	5,634	5,433	5,181	230	20	2	9	6	3	-	-	192
500-999 grams	21,747	21,069	15,710	4,811	509	39	177	107	50	20	27	474
1,000-1,499 grams	27,592	25,518	3,717	14,592	6,691	518	1,437	1,044	258	135	211	426
1,500-1,999 grams	56,821	46,647	924	10,973	29,912	4,838	8,621	7,196	953	472	805	748
2,000-2,499 grams	179,360	90,369	753	4,222	58,005	27,389	81,735	66,806	10,140	4,789	5,293	1,963
2,500-2,999 grams	642,089	114,384	1,075	4,186	51,623	57,500	485,777	355,560	89,868	40,349	35,795	6,133
3,000-3,499 grams	1,435,290	87,284	-	4,784	36,478	46,022	1,224,614	744,090	322,681	157,843	110,227	13,165
3,500-3,999 grams	1,117,562	36,031	-	2,485	16,375	17,171	965,920	479,036	311,000	175,884	105,620	9,991
4,000-4,499 grams	330,894	7,449	-	-	3,801	3,648	283,482	118,881	99,133	65,468	36,934	3,029
4,500-4,999 grams	53,936	1,202	-	-	542	660	45,459	17,842	15,804	11,813	6,734	541
5,000 grams or more	5,941	184	-	-	94	90	4,933	2,188	1,542	1,203	754	70
Not stated	4,028	1,030	645	115	182	88	1,131	665	297	169	141	1,726
	Percent											
Very low birthweight [4]	1.4	11.9	89.9	42.4	3.5	0.4	0.1	0.1	0.0	0.0	0.1	3.0
Low birthweight [5]	7.5	43.4	96.1	75.3	46.6	20.8	3.0	4.2	1.3	1.2	2.1	10.4
	Number											
White, total	3,072,640	310,843	16,204	30,326	145,634	118,679	2,489,555	1,417,786	693,618	378,151	243,494	28,748
Less than 500 grams	3,107	2,989	2,839	138	12	-	7	5	2	-	-	111
500-999 grams	13,168	12,730	9,336	3,044	324	26	132	79	38	15	22	284
1,000-1,499 grams	18,277	16,900	2,228	9,711	4,604	357	963	698	170	95	139	275
1,500-1,999 grams	38,988	32,041	472	7,504	20,757	3,308	5,898	4,908	668	322	560	489
2,000-2,499 grams	124,855	63,982	397	2,554	41,642	19,389	56,058	45,995	6,770	3,293	3,574	1,241
2,500-2,999 grams	459,648	82,319	557	2,431	36,746	42,585	347,844	254,771	63,942	29,131	25,347	4,138
3,000-3,499 grams	1,123,452	64,411	-	3,060	25,701	35,650	963,272	584,706	253,597	124,969	85,897	9,872
3,500-3,999 grams	944,304	27,651	-	1,800	12,185	13,666	819,688	404,583	264,834	150,271	88,817	8,148
4,000-4,499 grams	291,179	6,026	-	-	3,005	3,021	250,218	104,131	87,867	58,220	32,336	2,599
4,500-4,999 grams	47,790	965	-	-	436	529	40,325	15,557	14,132	10,636	6,033	467
5,000 grams or more	5,129	160	-	-	79	81	4,261	1,847	1,347	1,067	661	47
Not stated	2,743	669	375	84	143	67	889	506	251	132	108	1,077
	Percent											
Very low birthweight [4]	1.1	10.5	91.0	42.6	3.4	0.3	0.0	0.1	0.0	0.0	0.1	2.4
Low birthweight [5]	6.5	41.5	96.5	75.9	46.3	19.5	2.5	3.6	1.1	1.0	1.8	8.7
	Number											
White, non-Hispanic	2,333,363	230,592	11,997	22,452	106,487	89,656	1,905,396	1,080,746	532,826	291,824	183,691	13,684
Less than 500 grams	2,280	2,228	2,116	104	8	-	3	3	-	-	-	49
500-999 grams	9,890	9,648	6,993	2,402	236	17	100	61	27	12	16	126
1,000-1,499 grams	13,919	13,033	1,609	7,606	3,547	271	645	472	114	59	105	136
1,500-1,999 grams	29,986	24,898	322	5,803	16,233	2,540	4,445	3,738	468	239	401	242
2,000-2,499 grams	94,875	49,574	290	1,768	32,455	15,061	42,041	34,666	4,988	2,387	2,657	603
2,500-2,999 grams	337,656	61,850	378	1,523	27,170	32,779	255,464	188,193	46,201	21,070	18,436	1,906
3,000-3,499 grams	834,586	45,247	-	1,978	16,695	26,574	722,037	439,589	189,575	92,873	62,895	4,407
3,500-3,999 grams	731,509	18,707	-	1,197	7,701	9,809	640,904	315,887	207,152	117,865	67,946	3,952
4,000-4,499 grams	233,974	4,098	-	-	1,998	2,100	202,789	83,735	71,532	47,522	25,761	1,326
4,500-4,999 grams	38,647	658	-	-	275	383	32,884	12,589	11,484	8,811	4,863	242
5,000 grams or more	4,040	113	-	-	54	59	3,381	1,418	1,083	880	522	24
Not stated	2,001	538	289	71	115	63	703	395	202	106	89	671
	Percent											
Very low birthweight [4]	1.1	10.8	91.5	45.2	3.6	0.3	0.0	0.0	0.0	0.0	0.1	2.4
Low birthweight [5]	6.5	43.2	96.8	79.0	49.3	20.0	2.5	3.6	1.1	0.9	1.7	8.9

See footnotes at end of table.

Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 1997 –Con.

Birthweight [1] and race and Hispanic origin of mother	All births	Period of gestation [2]										
		Preterm					Term				Postterm	Not stated
		Total under 37 weeks	Under 28 weeks	28-31 weeks	32-35 weeks	36 weeks	Total 37-41 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks and over	
	Number											
Black, total	599,913	104,152	10,736	14,040	48,350	31,026	445,747	273,351	113,749	58,647	44,745	5,269
Less than 500 grams	2,343	2,274	2,179	87	6	2	1	1	-	-	-	68
500-999 grams	7,732	7,537	5,799	1,571	156	11	39	23	12	4	4	152
1,000-1,499 grams	8,109	7,540	1,328	4,294	1,780	138	396	291	69	36	64	109
1,500-1,999 grams	15,151	12,473	422	3,032	7,746	1,273	2,296	1,919	247	130	206	176
2,000-2,499 grams	44,584	21,976	314	1,495	13,644	6,523	20,673	16,697	2,735	1,241	1,440	495
2,500-2,999 grams	139,623	25,940	449	1,528	12,230	11,733	104,096	75,695	19,656	8,745	8,460	1,127
3,000-3,499 grams	227,388	18,309	-	1,434	8,797	8,078	188,839	114,619	49,959	24,261	18,576	1,664
3,500-3,999 grams	122,093	6,540	-	575	3,270	2,695	102,421	51,947	32,164	18,310	12,236	896
4,000-4,499 grams	27,335	1,049	-	-	596	453	22,879	10,240	7,627	5,012	3,225	182
4,500-4,999 grams	4,164	182	-	-	84	98	3,495	1,580	1,114	801	455	32
5,000 grams or more	530	19	-	-	12	7	447	235	132	80	55	9
Not stated	861	313	245	24	29	15	165	104	34	27	24	359
	Percent											
Very low birthweight [4]	3.0	16.7	88.7	42.5	4.0	0.5	0.1	0.1	0.1	0.1	0.2	6.7
Low birthweight [5]	13.0	49.9	95.7	74.8	48.3	25.6	5.3	6.9	2.7	2.4	3.8	20.4
	Number											
Black, non-Hispanic	581,431	101,533	10,462	13,710	47,201	30,160	431,630	265,226	109,923	56,481	43,296	4,972
Less than 500 grams	2,286	2,219	2,124	87	6	2	1	1	-	-	-	66
500-999 grams	7,523	7,339	5,643	1,536	149	11	36	21	12	3	4	144
1,000-1,499 grams	7,909	7,360	1,295	4,194	1,737	134	384	282	66	36	60	105
1,500-1,999 grams	14,850	12,227	414	2,973	7,602	1,238	2,254	1,884	243	127	200	169
2,000-2,499 grams	43,566	21,481	306	1,461	13,332	6,382	20,210	16,334	2,664	1,212	1,402	473
2,500-2,999 grams	136,016	25,260	440	1,494	11,934	11,392	101,437	73,830	19,134	8,473	8,234	1,085
3,000-3,499 grams	220,324	17,816	-	1,390	8,576	7,850	182,924	111,185	48,317	23,422	18,009	1,575
3,500-3,999 grams	117,581	6,330	-	551	3,171	2,608	98,621	50,044	30,984	17,593	11,791	839
4,000-4,499 grams	26,133	1,008	-	-	576	432	21,870	9,818	7,287	4,765	3,085	170
4,500-4,999 grams	3,941	169	-	-	79	90	3,306	1,502	1,054	750	435	31
5,000 grams or more	514	18	-	-	11	7	433	229	130	74	54	9
Not stated	788	306	240	24	28	14	154	96	32	26	22	306
	Percent											
Very low birthweight [4]	3.1	16.7	88.7	42.5	4.0	0.5	0.1	0.1	0.1	0.1	0.1	6.8
Low birthweight [5]	13.1	50.0	95.7	74.9	48.4	25.8	5.3	7.0	2.7	2.4	3.8	20.5
	Number											
Hispanic [6]	709,767	77,919	4,004	7,671	38,052	28,192	560,079	324,508	153,514	82,057	57,582	14,187
Less than 500 grams	734	671	638	30	3	-	4	2	2	-	-	59
500-999 grams	3,137	2,944	2,246	609	82	7	35	20	11	4	3	155
1,000-1,499 grams	4,177	3,701	602	2,021	997	81	313	222	58	33	26	137
1,500-1,999 grams	8,566	6,774	148	1,615	4,279	732	1,407	1,133	190	84	156	229
2,000-2,499 grams	28,897	13,822	108	766	8,790	4,158	13,593	10,963	1,745	885	889	593
2,500-2,999 grams	118,520	19,943	183	913	9,331	9,516	89,648	64,567	17,236	7,845	6,786	2,143
3,000-3,499 grams	279,074	18,840	-	1,097	8,904	8,839	232,674	140,137	61,703	30,834	22,296	5,264
3,500-3,999 grams	202,811	8,863	-	608	4,466	3,789	169,967	84,788	54,572	30,607	19,990	3,991
4,000-4,499 grams	53,773	1,891	-	-	990	901	44,471	19,331	15,261	9,879	6,204	1,207
4,500-4,999 grams	8,550	299	-	-	155	144	6,956	2,821	2,447	1,688	1,084	211
5,000 grams or more	1,039	47	-	-	27	20	837	417	244	176	132	23
Not stated	489	124	79	12	28	5	174	107	45	22	16	175
	Percent											
Very low birthweight [4]	1.1	9.4	88.8	34.7	2.8	0.3	0.1	0.1	0.0	0.0	0.1	2.5
Low birthweight [5]	6.4	35.9	95.3	65.8	37.2	17.7	2.7	3.8	1.3	1.2	1.9	8.4

- Quantity zero.
0.0 Quantity more than zero but less than 0.05.
[1] Equivalents of the gram weights in pounds and ounces are shown in the Technical notes.
[2] Expressed in completed weeks.
[3] Includes races other than white and black and origin not stated.
[4] Birthweight of less than 1,500 grams.
[5] Birthweight of less than 2,500 grams.
[6] Persons of Hispanic origin may be of any race.

Table 44. Percent of live births very preterm and preterm and percent of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981-97

Year	Very preterm [1]						Preterm [2]					
		White		Black				White		Black		
	All races [3]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [4]	All races [3]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [4]
1997	1.94	1.53	1.49	4.17	4.19	1.68	11.4	10.2	9.9	17.5	17.6	11.2
1996	1.89	1.48	1.43	4.13	4.17	1.66	11.0	9.8	9.5	17.4	17.5	10.9
1995	1.89	1.46	1.41	4.25	4.29	1.66	11.0	9.7	9.4	17.7	17.8	10.9
1994	1.91	1.45	1.39	4.32	4.36	1.67	11.0	9.6	9.3	18.1	18.2	10.9
1993	1.93	1.45	1.39	4.41	4.45	1.67	11.0	9.5	9.1	18.5	18.6	11.0
1992 [7]	1.91	1.40	1.33	4.47	4.50	1.64	10.7	9.1	8.7	18.4	18.5	10.7
1991 [7]	1.94	1.41	1.35	4.62	4.65	1.65	10.8	9.1	8.7	18.9	19.0	11.0
1990 [8]	1.92	1.39	1.33	4.61	4.63	1.69	10.6	8.9	8.5	18.8	18.9	11.0
1989 [9]	1.95	1.41	1.34	4.64	4.68	1.76	10.6	8.8	8.4	18.9	19.0	11.1
1988	1.96	1.42	—	4.72	—	—	10.2	8.5	—	18.7	—	—
1987	1.96	1.44	—	4.61	—	—	10.2	8.5	—	18.4	—	—
1986	1.90	1.41	—	4.47	—	—	10.0	8.4	—	18.0	—	—
1985	1.88	1.42	—	4.37	—	—	9.8	8.2	—	17.8	—	—
1984	1.83	1.38	—	4.22	—	—	9.4	7.9	—	17.1	—	—
1983	1.86	1.40	—	4.34	—	—	9.6	8.0	—	17.7	—	—
1982	1.84	1.40	—	4.22	—	—	9.5	8.0	—	17.4	—	—
1981	1.81	1.37	—	4.13	—	—	9.4	7.9	—	17.3	—	—

	Very low birthweight [5]						Low birthweight [6]					
		White		Black				White		Black		
	All races [3]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [4]	All races [3]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [4]
1997	1.42	1.13	1.12	3.04	3.05	1.13	7.5	6.5	6.5	13.0	13.1	6.4
1996	1.37	1.09	1.08	2.99	3.02	1.12	7.4	6.3	6.4	13.0	13.1	6.3
1995	1.35	1.06	1.04	2.97	2.98	1.11	7.3	6.2	6.2	13.1	13.2	6.3
1994	1.33	1.02	1.01	2.96	2.99	1.08	7.3	6.1	6.1	13.2	13.3	6.2
1993	1.33	1.01	1.00	2.96	2.99	1.06	7.2	6.0	5.9	13.3	13.4	6.2
1992 [7]	1.29	0.96	0.94	2.96	2.97	1.04	7.1	5.8	5.7	13.3	13.4	6.1
1991 [7]	1.29	0.96	0.94	2.96	2.97	1.02	7.1	5.8	5.7	13.6	13.6	6.1
1990 [8]	1.27	0.95	0.93	2.92	2.93	1.03	7.0	5.7	5.6	13.3	13.3	6.1
1989 [9]	1.28	0.95	0.93	2.95	2.97	1.05	7.0	5.7	5.6	13.5	13.6	6.2
1988	1.24	0.93	—	2.86	—	—	6.9	5.7	—	13.3	—	—
1987	1.24	0.94	—	2.79	—	—	6.9	5.7	—	13.0	—	—
1986	1.21	0.93	—	2.73	—	—	6.8	5.7	—	12.8	—	—
1985	1.21	0.93	—	2.71	—	—	6.8	5.7	—	12.6	—	—
1984	1.19	0.93	—	2.60	—	—	6.7	5.6	—	12.6	—	—
1983	1.19	0.92	—	2.60	—	—	6.8	5.7	—	12.8	—	—
1982	1.18	0.91	—	2.56	—	—	6.8	5.6	—	12.6	—	—
1981	1.16	0.91	—	2.52	—	—	6.8	5.7	—	12.7	—	—

— Data not available.
1 Births of less than 32 completed weeks of gestation.
2 Births of less than 37 completed weeks of gestation.
3 Includes races other than white and black and origin not stated.
4 Includes all persons of Hispanic origin of any race.
5 Less than 1,500 grams (3 lb. 4 oz.).
6 Less than 2,500 grams (5 lb. 8 oz.).
7 Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.
8 Data by Hispanic origin exclude New Hampshire and Oklahoma, which did not report Hispanic origin.
9 Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 1997

Age and race and Hispanic origin of mother	Low birthweight [1]		Birthweight [2]												
	Number	Percent	Total	Less than 500 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams	5,000- grams or more	Not stated
All races [3]															
All ages	291,154	7.5	3,860,894	5,634	21,747	27,592	56,821	179,360	642,089	1,435,290	1,117,562	330,894	53,936	5,941	4,028
Under 15 years	1,374	13.6	10,121	38	137	135	275	789	2,537	3,996	1,876	303	25	4	6
15-19 years	46,036	9.5	483,220	852	3,478	4,245	8,628	28,833	104,318	193,281	111,723	24,160	2,932	242	528
15 years	3,052	11.6	26,340	75	247	340	511	1,879	6,308	10,669	5,280	904	87	5	35
16 years	5,963	10.5	57,038	109	473	588	1,188	3,605	13,118	22,942	12,296	2,402	241	13	63
17 years	9,583	9.9	96,776	146	726	904	1,772	6,035	21,342	39,083	21,654	4,448	522	38	106
18 years	12,721	9.5	134,595	269	929	1,140	2,409	7,974	28,823	53,874	31,355	6,794	803	62	163
19 years	14,717	8.7	168,471	253	1,103	1,273	2,748	9,340	34,727	66,713	41,138	9,612	1,279	124	161
20-24 years	69,983	7.4	942,048	1,415	5,182	6,263	13,008	44,115	171,927	365,259	256,023	67,026	9,846	1,001	983
25-29 years	70,633	6.6	1,069,436	1,383	5,223	6,610	13,562	43,855	162,496	394,109	325,234	98,310	15,954	1,650	1,050
30-34 years	61,142	6.9	886,798	1,171	4,569	6,046	12,328	37,028	127,164	312,195	276,934	91,035	15,694	1,772	862
35-39 years	33,998	8.3	409,710	645	2,575	3,441	7,238	20,099	60,889	139,903	123,387	42,136	7,866	1,038	493
40-44 years	7,386	9.7	76,084	126	543	760	1,629	4,328	12,123	25,473	21,598	7,630	1,557	219	98
45-54 years	602	17.4	3,477	4	40	92	153	313	635	1,074	787	294	62	15	8
White, total															
All ages	198,395	6.5	3,072,640	3,107	13,168	18,277	38,988	124,855	459,648	1,123,452	944,304	291,179	47,790	5,129	2,743
Under 15 years	567	11.3	5,021	10	59	52	122	324	1,101	2,036	1,121	176	16	1	3
15-19 years	27,588	8.2	338,272	409	1,899	2,515	5,125	17,640	65,945	135,751	86,262	19,801	2,422	196	307
15 years	1,565	9.8	15,959	35	111	185	253	981	3,381	6,582	3,651	686	70	4	20
16 years	3,271	8.8	37,324	48	255	332	651	1,985	7,634	15,285	9,013	1,897	182	9	33
17 years	5,693	8.5	66,882	65	393	501	1,051	3,683	13,260	27,246	16,514	3,631	440	34	64
18 years	7,844	8.2	95,436	132	518	726	1,438	5,030	18,680	38,099	24,463	5,561	655	48	86
19 years	9,215	7.5	122,671	129	622	771	1,732	5,961	22,990	48,539	32,621	8,026	1,075	101	104
20-24 years	45,608	6.3	720,546	718	2,938	3,914	8,430	29,608	119,717	277,910	209,999	57,371	8,459	848	634
25-29 years	49,747	5.7	871,636	775	3,232	4,441	9,628	31,671	120,570	317,509	279,910	87,383	14,331	1,444	742
30-34 years	44,506	6.1	735,571	695	2,976	4,306	9,102	27,427	96,522	255,216	241,258	81,796	14,125	1,528	620
35-39 years	24,596	7.3	337,423	413	1,674	2,453	5,286	14,770	46,310	113,907	106,686	37,653	7,004	906	361
40-44 years	5,291	8.6	61,417	83	356	520	1,169	3,163	9,022	20,312	18,409	6,744	1,376	193	70
45-54 years	492	17.9	2,754	4	34	76	126	252	461	811	659	255	57	13	6
White, non-Hispanic															
All ages	150,950	6.5	2,333,363	2,280	9,890	13,919	29,986	94,875	337,656	834,586	731,509	233,974	38,647	4,040	2,001
Under 15 years	264	11.8	2,240	5	31	28	57	143	478	855	537	96	6	1	3
15-19 years	18,207	8.3	219,857	286	1,291	1,685	3,477	11,468	41,285	85,637	58,085	14,453	1,842	138	210
15 years	837	10.2	8,244	20	72	99	141	505	1,658	3,239	2,025	428	43	1	13
16 years	1,954	9.1	21,536	29	164	215	400	1,146	4,202	8,519	5,438	1,268	127	7	21
17 years	3,592	8.5	42,088	43	251	332	676	2,290	8,014	16,634	10,869	2,580	326	27	46
18 years	5,396	8.5	63,787	92	375	513	1,002	3,414	12,041	24,836	16,776	4,128	522	32	56
19 years	6,428	7.6	84,202	102	429	526	1,258	4,113	15,370	32,409	22,977	6,049	824	71	74
20-24 years	32,510	6.5	500,928	522	2,146	2,816	5,987	21,039	81,263	188,264	148,630	42,722	6,457	634	448
25-29 years	38,813	5.8	674,498	570	2,469	3,467	7,542	24,765	91,214	241,750	219,163	70,392	11,497	1,142	527
30-34 years	36,295	6.0	603,304	515	2,350	3,450	7,482	22,498	77,831	207,028	199,878	68,781	11,766	1,244	481
35-39 years	20,195	7.2	280,393	315	1,302	1,995	4,384	12,199	38,009	93,970	89,571	31,749	5,910	713	276
40-44 years	4,245	8.5	49,908	64	277	411	945	2,548	7,205	16,421	15,124	5,586	1,116	159	52
45-54 years	421	18.9	2,235	3	24	67	112	215	371	661	521	195	53	9	4

See footnotes at end of table.

Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 1997–Con.

Age and race and Hispanic origin of mother	Low birthweight [1]		Birthweight [2]												
	Number	Percent	Total	Less than 500 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams	5,000-grams or more	Not stated
Black, total															
All ages	77,919	13.0	599,913	2,343	7,732	8,109	15,151	44,584	139,623	227,388	122,093	27,335	4,164	530	861
Under 15 years	761	16.2	4,712	26	73	80	140	442	1,329	1,822	682	105	7	3	3
15-19 years	16,995	13.2	128,539	422	1,487	1,618	3,250	10,218	34,721	50,978	21,775	3,480	387	30	173
15 years	1,370	14.6	9,381	38	131	145	234	822	2,688	3,674	1,438	185	14	1	11
16 years	2,493	14.1	17,658	58	207	240	502	1,486	4,986	6,856	2,834	415	47	2	25
17 years	3,579	13.5	26,595	79	307	376	669	2,148	7,335	10,521	4,430	633	62	1	34
18 years	4,504	13.0	34,712	130	389	384	905	2,696	9,189	13,925	5,927	985	115	11	56
19 years	5,049	12.6	40,193	117	453	473	940	3,066	10,523	16,002	7,146	1,262	149	15	47
20-24 years	21,644	11.9	182,600	664	2,091	2,131	4,117	12,641	43,788	71,770	36,633	7,384	1,031	107	243
25-29 years	16,767	12.4	135,529	560	1,793	1,843	3,237	9,334	28,950	50,886	30,100	7,364	1,108	144	210
30-34 years	12,873	13.7	94,123	430	1,380	1,445	2,524	7,094	19,351	33,604	21,245	5,756	998	153	143
35-39 years	7,245	16.1	45,069	201	757	806	1,520	3,961	9,450	15,263	9,733	2,706	514	81	77
40-44 years	1,563	17.4	8,981	40	147	177	345	854	1,950	2,931	1,876	522	116	11	12
45-54 years	71	19.7	360	-	4	9	18	40	84	134	49	18	3	1	-
Black, non-Hispanic															
All ages	76,134	13.1	581,431	2,286	7,523	7,909	14,850	43,566	136,016	220,324	117,581	26,133	3,941	514	788
Under 15 years	743	16.1	4,613	24	72	78	139	430	1,307	1,785	662	103	7	3	3
15-19 years	16,678	13.3	125,343	417	1,461	1,586	3,193	10,021	33,934	49,669	21,130	3,370	373	30	159
15 years	1,345	14.7	9,163	38	131	140	231	805	2,628	3,584	1,399	182	13	1	11
16 years	2,451	14.2	17,235	58	205	235	496	1,457	4,887	6,669	2,758	401	47	2	20
17 years	3,526	13.6	25,940	79	305	369	659	2,114	7,164	10,248	4,295	616	60	1	30
18 years	4,412	13.0	33,870	129	381	375	882	2,645	8,983	13,595	5,757	946	112	11	54
19 years	4,944	12.6	39,135	113	439	467	925	3,000	10,272	15,573	6,921	1,225	141	15	44
20-24 years	21,174	11.9	177,494	649	2,041	2,079	4,043	12,362	42,725	69,770	35,413	7,113	967	105	227
25-29 years	16,353	12.5	130,942	552	1,743	1,787	3,182	9,089	28,141	49,149	28,888	7,019	1,057	139	196
30-34 years	12,562	13.9	90,637	417	1,335	1,412	2,475	6,923	18,749	32,358	20,294	5,461	936	148	129
35-39 years	7,041	16.2	43,434	189	730	783	1,472	3,867	9,178	14,665	9,366	2,553	489	77	65
40-44 years	1,514	17.6	8,624	38	138	175	328	835	1,899	2,803	1,782	497	109	11	9
45-54 years	69	20.1	344	-	3	9	18	39	83	125	46	17	3	1	-
Hispanic [4]															
All ages	45,511	6.4	709,767	734	3,137	4,177	8,566	28,897	118,520	279,074	202,811	53,773	8,550	1,039	489
Under 15 years	309	10.9	2,833	5	26	25	69	184	643	1,198	592	81	10	-	-
15-19 years	9,324	7.9	118,122	117	593	819	1,624	6,171	24,783	50,118	27,945	5,249	565	55	83
15 years	741	9.5	7,778	15	38	86	112	490	1,742	3,367	1,635	257	28	3	5
16 years	1,318	8.3	15,870	18	88	119	247	846	3,470	6,822	3,565	625	53	3	14
17 years	2,069	8.4	24,768	21	136	166	369	1,377	5,278	10,632	5,622	1,034	109	7	17
18 years	2,431	7.7	31,542	35	140	212	435	1,609	6,653	13,263	7,609	1,414	133	15	24
19 years	2,765	7.2	38,164	28	191	236	461	1,849	7,640	16,034	9,514	1,919	242	27	23
20-24 years	12,846	5.9	216,152	176	761	1,074	2,384	8,451	38,058	88,447	60,274	14,231	1,951	206	139
25-29 years	10,448	5.5	188,669	175	740	948	1,978	6,607	28,288	72,911	57,914	15,999	2,671	294	144
30-34 years	7,550	6.2	121,539	157	578	781	1,477	4,557	17,426	44,493	37,755	11,820	2,144	266	85
35-39 years	4,015	7.8	51,601	84	353	423	818	2,337	7,585	18,214	15,283	5,310	976	186	32
40-44 years	964	9.3	10,405	19	79	100	205	561	1,663	3,558	2,929	1,028	230	28	5
45-54 years	55	12.4	446	1	7	7	11	29	74	135	119	55	3	4	1

- Quantity zero.
[1] Less than 2,500 grams.
[2] Equivalents of gram weights in terms of pounds and ounces are shown in Technical notes.
[3] Includes races other than white and black and origin not stated.
[4] Includes all persons of Hispanic origin of any race.

Table 46. Number and percent of births of low birthweight by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997

[By place of residence. Low birthweight is birthweight of less than 2,500 grams (5 lb 8 oz)]

State	Number						Percent					
		White		Black				White		Black		
	All races [1]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [2]	All races [1]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [2]
United States [3]	291,154	198,395	150,950	77,919	76,134	45,511	7.5	6.5	6.5	13.0	13.1	6.4
Alabama	5,627	2,986	2,912	2,592	2,586	77	9.2	7.4	7.4	13.1	13.1	7.3
Alaska	584	362	322	56	56	43	5.9	5.5	5.3	12.3	12.6	7.1
Arizona	5,205	4,398	2,525	340	323	1,889	6.9	6.6	6.7	13.6	13.6	6.6
Arkansas	3,044	2,014	1,915	990	989	100	8.4	7.2	7.2	12.7	12.7	6.5
California	32,301	23,683	9,833	4,483	4,364	13,888	6.2	5.6	5.5	12.0	12.1	5.6
Colorado	5,000	4,392	3,205	390	376	1,209	8.8	8.5	8.3	15.1	15.1	9.1
Connecticut	3,145	2,349	1,749	658	599	472	7.3	6.5	6.2	12.3	12.2	8.3
Delaware	895	520	464	352	348	51	8.7	6.9	6.8	14.1	14.1	8.0
District of Columbia	1,064	117	73	937	917	43	13.4	5.9	5.7	16.1	16.2	6.2
Florida	15,444	9,724	7,304	5,330	5,236	2,505	8.0	6.8	6.8	12.3	12.3	6.7
Georgia	10,390	4,967	4,541	5,162	5,132	384	8.8	6.6	6.7	13.0	13.0	5.4
Hawaii	1,235	226	189	59	54	156	7.2	5.1	5.1	10.2	9.9	7.4
Idaho	1,165	1,126	936	8	8	174	6.3	6.3	6.1	*	*	7.4
Illinois	14,278	8,817	6,779	4,936	4,915	2,055	7.9	6.4	6.4	13.9	14.0	6.2
Indiana	6,417	5,155	4,899	1,189	1,186	237	7.7	7.0	7.0	13.6	13.6	7.0
Iowa	2,336	2,143	2,008	114	107	105	6.4	6.2	6.1	10.4	10.2	6.6
Kansas	2,580	2,126	1,894	361	359	210	6.9	6.4	6.4	12.9	13.0	5.9
Kentucky	4,156	3,541	3,499	558	552	52	7.8	7.4	7.4	12.0	12.0	7.2
Louisiana	6,704	2,637	2,571	3,950	3,948	70	10.2	7.0	7.1	14.6	14.6	5.5
Maine	812	789	765	13	11	4	5.9	5.9	6.0	*	*	*
Maryland	6,142	2,832	2,606	3,109	3,067	216	8.8	6.4	6.4	13.6	13.6	6.6
Massachusetts	5,584	4,500	3,907	808	679	683	7.0	6.6	6.4	10.6	11.0	8.3
Michigan	10,282	6,825	5,961	3,191	3,135	366	7.7	6.5	6.4	13.2	13.1	6.7
Minnesota	3,782	3,143	2,874	369	365	179	5.9	5.5	5.6	11.1	11.1	6.8
Mississippi	4,191	1,619	1,599	2,539	2,538	20	10.1	7.4	7.4	13.4	13.4	6.1
Missouri	5,703	4,102	3,995	1,488	1,484	108	7.7	6.7	6.7	13.5	13.5	6.1
Montana	684	578	526	2	-	23	6.3	6.1	6.0	*	*	7.6
Nebraska	1,633	1,422	1,281	146	144	103	7.0	6.7	6.8	11.7	11.7	5.2
Nevada	2,055	1,608	1,117	292	287	482	7.6	7.0	7.4	13.7	13.9	6.3
New Hampshire	833	819	768	3	3	20	5.8	5.9	5.8	*	*	8.8
New Jersey	8,888	5,462	4,089	2,875	2,745	1,449	7.9	6.5	6.2	13.7	14.3	7.4
New Mexico	2,083	1,769	737	78	75	1,045	7.8	7.8	7.7	15.4	15.8	7.9
New York	20,111	12,333	7,293	6,495	5,791	3,875	7.8	6.7	6.2	11.8	12.3	7.6
North Carolina	9,447	5,395	4,986	3,743	3,732	421	8.8	7.1	7.2	13.6	13.6	6.1
North Dakota	516	459	443	6	6	11	6.2	6.2	6.2	*	*	*
Ohio	11,717	8,495	8,217	3,065	2,986	258	7.7	6.7	6.7	13.6	13.5	7.5
Oklahoma	3,482	2,561	2,377	577	572	182	7.3	6.8	6.9	12.3	12.3	5.7
Oregon	2,406	2,121	1,811	103	99	317	5.5	5.3	5.3	11.0	10.8	5.4
Pennsylvania	10,920	7,812	7,204	2,840	2,771	606	7.6	6.5	6.4	13.9	13.9	9.2
Rhode Island	919	748	497	112	79	138	7.4	6.9	6.4	11.9	10.2	7.8
South Carolina	4,789	2,240	2,179	2,490	2,489	66	9.2	6.8	6.8	13.5	13.5	5.9
South Dakota	563	472	465	9	9	7	5.5	5.6	5.6	*	*	*
Tennessee	6,534	4,212	4,104	2,234	2,232	108	8.8	7.4	7.4	13.7	13.7	6.3
Texas	24,250	18,578	8,878	4,908	4,860	9,683	7.3	6.5	6.5	12.4	12.5	6.6
Utah	2,833	2,649	2,326	36	35	317	6.6	6.5	6.4	13.8	14.5	7.4
Vermont	413	409	382	2	2	-	6.3	6.3	6.1	*	*	*
Virginia	7,085	4,158	3,820	2,642	2,634	341	7.7	6.2	6.2	12.6	12.6	6.3
Washington	4,377	3,600	2,979	324	303	500	5.6	5.3	5.3	10.2	10.2	5.4
West Virginia	1,717	1,613	1,609	95	95	6	8.3	8.1	8.1	12.8	12.8	*
Wisconsin	4,261	3,242	3,038	853	845	214	6.4	5.6	5.6	13.3	13.3	6.7
Wyoming	572	547	499	7	6	43	9.0	9.0	9.0	*	*	8.0
Puerto Rico	6,830	6,360	—	467	—	—	10.7	10.7	—	9.8	—	—
Virgin Islands	164	14	1	148	133	22	8.1	*	*	9.3	9.5	5.9
Guam	306	21	18	3	3	3	7.1	5.0	*	*	*	*
American Samoa	53	1	—	—	—	—	3.2	—	—	—	—	—

* Figure does not meet standards of reliability or precision.
— Data not available.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.
3 Excludes data for Puerto Rico, Virgin Islands, Guam, and American Samoa.

Table 47. Number and percent of births of very low birthweight by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams (3 lb 4 oz)]

State	Number						Percent					
		White		Black				White		Black		
	All races [1]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [2]	All races [1]	Total	Non-Hispanic	Total	Non-Hispanic	Hispanic [2]
United States [3]	54,973	34,552	26,089	18,184	17,718	8,048	1.4	1.1	1.1	3.0	3.1	1.1
Alabama	1,135	501	494	627	625	9	1.9	1.2	1.3	3.2	3.2	*
Alaska	120	71	60	11	11	13	1.2	1.1	1.0	*	*	*
Arizona	868	733	423	64	62	310	1.1	1.1	1.1	2.6	2.6	1.1
Arkansas	539	321	304	209	209	17	1.5	1.1	1.1	2.7	2.7	*
California	5,863	4,229	1,725	1,024	994	2,514	1.1	1.0	1.0	2.7	2.8	1.0
Colorado	756	660	492	70	65	168	1.3	1.3	1.3	2.7	2.6	1.3
Connecticut	659	445	334	184	163	89	1.5	1.2	1.2	3.4	3.3	1.6
Delaware	189	93	81	93	93	10	1.8	1.2	1.2	3.7	3.8	*
District of Columbia	273	29	13	241	232	16	3.4	1.5	*	4.2	4.1	*
Florida	2,931	1,694	1,260	1,192	1,165	448	1.5	1.2	1.2	2.7	2.7	1.2
Georgia	2,127	879	809	1,210	1,202	66	1.8	1.2	1.2	3.0	3.1	0.9
Hawaii	186	31	27	13	13	18	1.1	0.7	0.7	*	*	*
Idaho	157	154	120	1	1	30	0.8	0.9	0.8	*	*	1.3
Illinois	2,846	1,663	1,271	1,098	1,088	396	1.6	1.2	1.2	3.1	3.1	1.2
Indiana	1,117	861	812	244	244	46	1.3	1.2	1.2	2.8	2.8	1.4
Iowa	459	415	388	26	24	20	1.3	1.2	1.2	2.4	2.3	1.2
Kansas	436	351	311	74	74	38	1.2	1.1	1.1	2.6	2.7	1.1
Kentucky	739	600	589	133	132	13	1.4	1.3	1.2	2.9	2.9	*
Louisiana	1,342	427	416	901	900	11	2.0	1.1	1.1	3.3	3.3	*
Maine	135	129	124	3	3	-	1.0	1.0	1.0	*	*	*
Maryland	1,367	503	469	827	817	33	1.9	1.1	1.1	3.6	3.6	1.0
Massachusetts	1,078	841	713	206	179	138	1.3	1.2	1.2	2.7	2.9	1.7
Michigan	2,033	1,215	1,059	775	755	64	1.5	1.2	1.1	3.2	3.2	1.2
Minnesota	703	557	517	92	91	33	1.1	1.0	1.0	2.8	2.8	1.3
Mississippi	828	291	287	530	530	4	2.0	1.3	1.3	2.8	2.8	*
Missouri	1,005	675	652	312	312	23	1.4	1.1	1.1	2.8	2.8	1.3
Montana	109	92	85	-	-	2	1.0	1.0	1.0	*	*	*
Nebraska	297	260	239	29	29	18	1.3	1.2	1.3	2.3	2.3	*
Nevada	323	245	160	54	52	85	1.2	1.1	1.1	2.5	2.5	1.1
New Hampshire	162	158	147	2	2	5	1.1	1.1	1.1	*	*	*
New Jersey	1,845	1,028	749	754	722	292	1.6	1.2	1.1	3.6	3.7	1.5
New Mexico	265	228	105	11	11	123	1.0	1.0	1.1	*	*	0.9
New York	3,965	2,166	1,200	1,598	1,419	724	1.5	1.2	1.0	2.9	3.0	1.4
North Carolina	2,027	1,022	959	938	935	66	1.9	1.3	1.4	3.4	3.4	1.0
North Dakota	94	87	85	2	2	2	1.1	1.2	1.2	*	*	*
Ohio	2,174	1,472	1,423	680	657	43	1.4	1.2	1.2	3.0	3.0	1.3
Oklahoma	591	414	382	129	128	32	1.2	1.1	1.1	2.7	2.8	1.0
Oregon	384	334	291	21	21	42	0.9	0.8	0.8	2.2	2.3	0.7
Pennsylvania	2,083	1,381	1,258	663	645	119	1.4	1.1	1.1	3.3	3.2	1.8
Rhode Island	186	149	93	27	16	29	1.5	1.4	1.2	2.9	*	1.6
South Carolina	981	397	387	575	575	9	1.9	1.2	1.2	3.1	3.1	*
South Dakota	108	84	83	4	4	-	1.1	1.0	1.0	*	*	*
Tennessee	1,199	687	668	499	498	20	1.6	1.2	1.2	3.1	3.1	1.2
Texas	4,439	3,173	1,526	1,165	1,158	1,643	1.3	1.1	1.1	3.0	3.0	1.1
Utah	435	405	342	7	7	60	1.0	1.0	0.9	*	*	1.4
Vermont	62	62	57	-	-	-	0.9	1.0	0.9	*	*	*
Virginia	1,424	779	709	597	592	72	1.6	1.2	1.2	2.8	2.8	1.3
Washington	756	629	505	66	61	88	1.0	0.9	0.9	2.1	2.1	0.9
West Virginia	307	287	286	18	18	1	1.5	1.4	1.4	*	*	*
Wisconsin	789	572	538	183	180	38	1.2	1.0	1.0	2.9	2.8	1.2
Wyoming	77	73	62	2	2	8	1.2	1.2	1.1	*	*	*
Puerto Rico	848	798	—	50	—	—	1.3	1.3	—	1.1	—	—
Virgin Islands	41	4	-	36	32	6	2.0	*	*	2.3	2.3	*
Guam	34	2	1	2	2	1	0.8	*	*	*	*	*
American Samoa	5	—	—	—	—	—	—	—	—	—	—	—

* Figure does not meet standards of reliability or precision.
- Quantity zero.
— Data not available.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.
3 Excludes data for Puerto Rico, Virgin Islands, Guam, and American Samoa.

Table 48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 1997

[Rates are number of live births with specified abnormal condition per 1,000 live births in specified group]

Abnormal condition and race of mother	All births [1]	Abnormal condition reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races [2]										
Anemia	3,880,894	4,209	1.1	1.1	1.1	1.1	1.1	1.2	1.4	82,248
Birth injury [3]	3,523,601	10,604	3.1	3.1	3.1	3.2	3.0	2.9	2.8	86,017
Fetal alcohol syndrome [4]	3,814,337	288	0.1	0.1	0.1	0.1	0.1	0.1	*	83,320
Hyaline membrane disease/RDS	3,880,894	24,456	6.4	7.5	6.6	6.0	6.1	6.4	7.0	82,248
Meconium aspiration syndrome	3,880,894	8,638	2.3	2.5	2.3	2.2	2.2	2.4	2.6	82,248
Assisted ventilation less than 30 minutes [5]	3,761,991	78,867	21.5	21.9	20.5	21.3	21.8	23.0	23.2	90,726
Assisted ventilation 30 minutes or longer [5]	3,761,991	33,275	9.1	10.6	9.1	8.4	8.5	9.7	11.0	90,726
Seizures	3,880,894	2,253	0.6	0.7	0.6	0.6	0.6	0.6	0.6	82,248
White										
Anemia	3,072,640	3,058	1.0	1.0	0.9	1.0	1.0	1.2	1.3	60,739
Birth injury [3]	2,767,011	9,088	3.4	3.6	3.4	3.5	3.2	3.1	2.9	63,896
Fetal alcohol syndrome [4]	3,015,240	156	0.1	*	0.0	0.0	0.1	0.1	*	61,765
Hyaline membrane disease/RDS	3,072,640	19,506	6.5	7.7	6.7	6.1	6.2	6.5	6.8	60,739
Meconium aspiration syndrome	3,072,640	6,396	2.1	2.2	2.2	2.1	2.0	2.2	2.5	60,739
Assisted ventilation less than 30 minutes [5]	3,007,467	63,454	21.6	21.8	20.2	21.4	22.0	23.5	23.1	68,011
Assisted ventilation 30 minutes or longer [5]	3,007,467	25,580	8.7	10.3	8.7	8.1	8.2	9.5	10.4	68,011
Seizures	3,072,640	1,785	0.6	0.7	0.6	0.6	0.6	0.7	0.7	60,739
Black										
Anemia	599,913	931	1.6	1.6	1.4	1.6	1.8	1.7	*	12,908
Birth injury [3]	559,176	878	1.6	1.7	1.6	1.5	1.5	1.4	*	13,290
Fetal alcohol syndrome [4]	593,499	60	0.1	*	*	*	*	*	*	12,937
Hyaline membrane disease/RDS	599,913	4,157	7.1	7.3	6.7	7.0	7.4	7.2	9.1	12,908
Meconium aspiration syndrome	599,913	1,860	3.2	3.0	2.8	3.2	3.8	3.7	3.6	12,908
Assisted ventilation less than 30 minutes [5]	559,264	12,045	22.1	22.1	21.6	21.6	23.1	23.0	25.2	13,662
Assisted ventilation 30 minutes or longer [5]	559,264	6,434	11.8	11.5	11.1	11.8	12.8	13.0	16.0	13,662
Seizures	599,913	379	0.6	0.7	0.6	0.5	0.7	0.7	*	12,908

* Figure does not meet standards of reliability or precision.
0.0 Quantity more than zero but less than 0.05.
[1] Total number of births to residents of areas reporting specified condition.
[2] Includes races other than white and black.
[3] Nebraska and Texas do not report this condition.
[4] Wisconsin does not report this condition.
[5] New York City does not report this condition.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1997

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

Congenital anomaly and race of mother	All births[1]	Congenital anomaly reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races[2]										
Anencephalus	3,854,023	491	12.9	13.9	12.7	11.8	14.1	12.5	*	59,264
Spina bifida/Meningocele	3,854,023	921	24.3	25.6	27.6	23.4	21.1	23.7	27.0	59,264
Hydrocephalus	3,854,023	993	26.2	28.1	28.4	24.6	25.2	22.7	38.6	59,264
Microcephalus	3,854,023	255	6.7	9.1	7.0	6.1	5.9	6.5	*	59,264
Other central nervous system anomalies	3,854,023	775	20.4	25.6	20.2	17.6	18.9	24.2	27.0	59,264
Heart malformations	3,854,023	4,423	116.6	110.3	104.0	116.4	119.4	132.5	191.6	59,264
Other circulatory/respiratory anomalies	3,854,023	5,282	139.2	139.8	134.8	133.4	137.0	161.2	177.5	59,264
Rectal atresia/stenosis	3,854,023	340	9.0	9.6	9.0	9.6	8.3	6.7	*	59,264
Tracheo-esophageal fistula/Esophageal atresia	3,854,023	566	14.9	16.6	13.9	13.3	13.9	19.0	28.3	59,264
Omphalocele/Gastroschisis	3,854,023	1,067	28.1	63.6	34.2	20.3	16.4	18.0	*	59,264
Other gastrointestinal anomalies	3,854,023	1,174	30.9	37.8	30.9	27.9	28.8	30.9	54.0	59,264
Malformed genitalia	3,854,023	2,956	77.9	80.4	73.5	79.4	79.7	77.1	78.4	59,264
Renal agenesis	3,854,023	535	14.1	16.8	13.6	14.1	12.8	14.0	*	59,264
Other urogenital anomalies	3,854,023	4,228	111.4	97.0	107.0	115.5	113.6	119.0	133.7	59,264
Cleft lip/palate	3,854,023	3,166	83.4	85.4	87.2	79.1	77.2	92.1	110.6	59,264
Polydactyly/Syndactyly/Adactyly	3,854,023	3,261	85.9	121.1	92.6	77.3	74.8	75.4	84.9	59,264
Clubfoot	3,854,023	2,261	59.6	65.9	63.9	58.8	55.5	51.7	65.6	59,264
Diaphragmatic hernia	3,854,023	451	11.9	12.9	12.9	11.6	10.3	12.5	*	59,264
Other musculoskeletal/integumental anomalies	3,854,023	7,874	207.5	217.1	205.4	200.9	209.3	211.4	221.2	59,264
Down's syndrome	3,854,023	1,662	43.8	22.4	25.2	25.4	46.2	98.1	336.9	59,264
Other chromosomal anomalies	3,854,023	1,458	38.4	32.4	35.8	28.7	34.0	66.1	145.3	59,264
White										
Anencephalus	3,049,910	383	12.7	15.3	12.2	11.4	13.6	11.8	*	43,850
Spina bifida/Meningocele	3,049,910	784	26.1	30.8	31.4	24.2	21.9	23.6	*	43,850
Hydrocephalus	3,049,910	813	27.0	28.4	29.3	26.4	24.8	25.1	39.8	43,850
Microcephalus	3,049,910	196	6.5	9.6	7.0	6.3	5.0	6.7	*	43,850
Other central nervous system anomalies	3,049,910	625	20.8	28.1	20.3	18.0	19.7	22.7	*	43,850
Heart malformations	3,049,910	3,612	120.2	113.6	107.7	120.4	122.5	131.7	203.9	43,850
Other circulatory/respiratory anomalies	3,049,910	4,300	143.0	154.6	139.5	133.5	139.0	164.4	184.8	43,850
Rectal atresia/stenosis	3,049,910	277	9.2	9.3	9.2	10.2	8.3	7.0	*	43,850
Tracheo-esophageal fistula/Esophageal atresia	3,049,910	478	15.9	19.1	14.9	14.4	14.6	19.1	*	43,850
Omphalocele/Gastroschisis	3,049,910	809	26.9	69.4	33.8	18.6	15.4	17.0	*	43,850
Other gastrointestinal anomalies	3,049,910	924	30.7	37.7	30.0	28.6	28.6	31.2	54.2	43,850
Malformed genitalia	3,049,910	2,491	82.9	85.8	81.7	84.4	82.6	78.1	87.6	43,850
Renal agenesis	3,049,910	441	14.7	17.6	14.1	14.5	13.3	15.4	*	43,850
Other urogenital anomalies	3,049,910	3,675	122.3	114.2	118.7	123.7	122.8	128.1	148.2	43,850
Cleft lip/palate	3,049,910	2,739	91.1	102.6	96.6	85.7	82.0	97.5	113.1	43,850
Polydactyly/Syndactyly/Adactyly	3,049,910	1,814	60.3	77.8	58.8	58.4	56.2	58.1	70.1	43,850
Clubfoot	3,049,910	1,952	64.9	77.8	68.7	64.2	59.5	56.0	73.3	43,850
Diaphragmatic hernia	3,049,910	370	12.3	14.4	13.6	11.6	10.1	13.6	*	43,850
Other musculoskeletal/integumental anomalies	3,049,910	5,959	198.2	214.4	196.2	192.1	195.8	204.7	213.5	43,850
Down's syndrome	3,049,910	1,450	48.2	23.9	28.4	27.6	49.8	105.4	361.7	43,850
Other chromosomal anomalies	3,049,910	1,232	41.0	35.3	39.1	29.3	35.2	70.5	162.5	43,850

See footnotes at end of table.

Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 1997 —Con.

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

Congenital anomaly and race of mother	All births[1]	Congenital anomaly reported	Age of mother							Not stated
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
Black										
Anencephalus	599,407	75	12.7	*	14.4	*	*	*	*	7,927
Spina bifida/Meningocele	599,407	117	19.8	*	16.7	22.5	22.6	*	*	7,927
Hydrocephalus	599,407	146	24.7	25.9	24.4	18.0	35.6	*	*	7,927
Microcephalus	599,407	50	8.5	*	*	*	*	*	*	7,927
Other central nervous system anomalies	599,407	116	19.6	20.5	19.4	17.2	*	*	*	7,927
Heart malformations	599,407	590	99.7	101.9	87.8	92.8	108.9	135.0	*	7,927
Other circulatory/respiratory anomalies	599,407	632	106.9	91.3	100.0	125.8	106.7	130.5	*	7,927
Rectal atresia/stenosis	599,407	49	8.3	*	*	*	*	*	*	7,927
Tracheo-esophageal fistula/Esophageal atresia	599,407	69	11.7	*	11.7	*	*	*	*	7,927
Omphalocele/Gastroschisis	599,407	213	36.0	45.6	37.2	31.4	26.9	*	*	7,927
Other gastrointestinal anomalies	599,407	199	33.6	38.8	33.9	25.5	33.4	*	*	7,927
Malformed genitalia	599,407	330	55.8	63.9	45.0	50.9	70.1	63.0	*	7,927
Renal agenesis	599,407	75	12.7	*	12.2	*	*	*	*	7,927
Other urogenital anomalies	599,407	375	63.4	54.8	63.9	70.4	59.3	67.5	*	7,927
Cleft lip/palate	599,407	260	44.0	38.8	49.4	43.4	33.4	58.5	*	7,927
Polydactyly/Syndactyly/Adactyly	599,407	1,337	226.0	233.5	232.7	200.7	240.4	222.8	228.1	7,927
Clubfoot	599,407	227	38.4	34.2	45.0	32.9	38.8	*	*	7,927
Diaphragmatic hernia	599,407	61	10.3	*	*	*	*	*	*	7,927
Other musculoskeletal/integumental anomalies	599,407	1,133	191.6	187.9	188.3	182.7	221.0	189.1	*	7,927
Down's syndrome	599,407	150	25.4	19.8	13.9	15.0	31.3	67.5	217.2	7,927
Other chromosomal anomalies	599,407	149	25.2	21.3	23.3	22.5	28.0	*	*	7,927

* Figure does not meet standards of reliability or precision.
1 Total number of births.
2 Includes races other than white and black.

NOTES: Excludes data for New Mexico, which did not report congenital anomalies. Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 1997

Plurality and race and Hispanic origin of mother	All ages	Age of mother									
		Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-54 years
			Total	15-17 years	18-19 years						
	Number										
All live births											
All races [1]	3,880,894	10,121	483,220	180,154	303,066	942,048	1,069,436	886,798	409,710	76,084	3,477
White, total	3,072,640	5,021	338,272	120,165	218,107	720,546	871,636	735,571	337,423	61,417	2,754
White, non-Hispanic	2,333,363	2,240	219,857	71,868	147,989	500,928	674,498	603,304	280,393	49,908	2,235
Black, total	599,913	4,712	128,539	53,634	74,905	182,600	135,529	94,123	45,069	8,981	360
Black, non-Hispanic	581,431	4,613	125,343	52,338	73,005	177,494	130,942	90,637	43,434	8,624	344
Hispanic [2]	709,767	2,833	118,122	48,416	69,706	216,152	188,669	121,539	51,601	10,405	446
Live births in single deliveries											
All races [1]	3,770,020	10,004	475,820	177,779	298,041	922,419	1,039,738	854,289	391,945	72,905	2,900
White, total	2,984,532	4,972	333,583	118,722	214,861	706,805	848,041	708,017	322,208	58,676	2,230
White, non-Hispanic	2,260,786	2,213	216,836	71,037	145,799	490,829	655,167	579,405	267,068	47,514	1,754
Black, total	581,394	4,653	125,975	52,752	73,223	177,402	130,633	90,397	43,290	8,704	340
Black, non-Hispanic	563,436	4,556	122,835	51,473	71,362	172,444	126,187	87,019	41,711	8,360	324
Hispanic [2]	695,430	2,811	116,463	47,796	68,667	212,603	184,687	118,339	49,995	10,115	417
Live births in twin deliveries											
All races [1]	104,137	117	7,298	2,330	4,968	19,188	28,083	29,905	16,113	2,939	494
White, total	82,090	49	4,626	1,422	3,204	13,401	22,161	25,128	13,755	2,529	441
White, non-Hispanic	67,191	27	2,988	822	2,166	9,844	18,063	21,683	11,982	2,200	404
Black, total	17,989	59	2,525	858	1,667	5,111	4,754	3,594	1,663	263	20
Black, non-Hispanic	17,472	57	2,469	841	1,628	4,964	4,616	3,489	1,607	250	20
Hispanic [2]	13,821	22	1,629	608	1,021	3,471	3,840	3,038	1,521	277	23
Live births in higher-order multiple deliveries [3]											
All races [1]	6,737	-	102	45	57	441	1,615	2,604	1,652	240	83
White, total	6,018	-	63	21	42	340	1,434	2,426	1,460	212	83
White, non-Hispanic	5,386	-	33	9	24	255	1,268	2,216	1,343	194	77
Black, total	530	-	39	24	15	87	142	132	116	14	-
Black, non-Hispanic	523	-	39	24	15	86	139	129	116	14	-
Hispanic [2]	516	-	30	12	18	78	142	162	85	13	6
	Ratio per 1,000 live births										
All multiple births											
All races [1]	28.6	11.6	15.3	13.2	16.6	20.8	27.8	36.7	43.4	41.8	165.9
White, total	28.7	9.8	13.9	12.0	14.9	19.1	27.1	37.5	45.1	44.6	190.3
White, non-Hispanic	31.1	12.1	13.7	11.6	14.8	20.2	28.7	39.6	47.5	48.0	215.2
Black, total	30.9	12.5	19.9	16.4	22.5	28.5	36.1	39.6	39.5	30.8	55.6
Black, non-Hispanic	30.9	12.4	20.0	16.5	22.5	28.5	36.3	39.9	39.7	30.6	58.1
Hispanic [2]	20.2	7.8	14.0	12.8	14.9	16.4	21.1	26.3	31.1	27.9	65.0
Twin births											
All races [1]	26.8	11.6	15.1	12.9	16.4	20.4	26.3	33.7	39.3	38.6	142.1
White, total	26.7	9.8	13.7	11.8	14.7	18.6	25.4	34.2	40.8	41.2	160.1
White, non-Hispanic	28.8	12.1	13.6	11.4	14.6	19.7	26.8	35.9	42.7	44.1	180.8
Black, total	30.0	12.5	19.6	16.0	22.3	28.0	35.1	38.2	36.9	29.3	55.6
Black, non-Hispanic	30.0	12.4	19.7	16.1	22.3	28.0	35.3	38.5	37.0	29.0	58.1
Hispanic [2]	19.5	7.8	13.8	12.6	14.6	16.1	20.4	25.0	29.5	26.6	51.6
	Ratio per 100,000 live births										
Higher-order multiple births [3]											
All races [1]	173.6	*	21.1	25.0	18.8	46.8	151.0	293.6	403.2	315.4	2387.1
White, total	195.9	*	18.6	17.5	19.3	47.2	164.5	329.8	432.7	345.2	3013.8
White, non-Hispanic	230.8	*	15.0	*	16.2	50.9	188.0	367.3	479.0	388.7	3445.2
Black, total	88.3	*	30.3	44.7	*	47.6	104.8	140.2	257.4	*	*
Black, non-Hispanic	90.0	*	31.1	45.9	*	48.5	106.2	142.3	267.1	*	*
Hispanic [2]	72.7	*	25.4	*	*	36.1	75.3	133.3	164.7	*	*

- Quantity zero.
* Figure does not meet standards of reliability or precision.
[1] Includes races other than white and black and origin not stated.
[2] Includes all persons of Hispanic origin of any race.
[3] Births in greater than twin deliveries.

Technical notes

Source of data

Data shown in this report for 1997 are based on 100 percent of the birth certificates in all States and the District of Columbia. The data are provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). In 1984 and earlier years, the VSCP included varying numbers of States that provided data based on 100 percent of their birth certificates. Data for States not in the VSCP were based on a 50-percent sample of birth certificates filed in those States. Information on sampling procedures and sampling errors for 1984 and earlier years is provided in the annual report, *Vital Statistics of the United States*, Volume I, Natality (3). Information on the percent of records with missing information for maternal and infant characteristics included in this report is shown by State in table I. Data are not shown for the variables of race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the Technical notes for more information.

Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by six States (Hawaii, Kentucky, Nevada, North Dakota, Virginia, and Wyoming). From 1964 to 1996, mother's age was edited for ages 10–49 years. Births reported to occur to mothers younger than age 10 or older than age 49 years had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths). Beginning in 1997, age of mother is edited for ages 10–54 years. A review and verification of unedited birth data for 1996 showed that the vast majority of births reported as occurring to women aged 50 years and over were to women aged 50–54 years. The numbers of births to women aged 50–54 years are too small for computing age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

In 1997 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.

Race and Hispanic origin

Race and Hispanic origin are reported separately on the birth certificate. Beginning with the 1989 data year, NCHS is tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate.

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. In order to facilitate continuity and analysis of the data, trend tables showing data for years prior to 1980 show data for both race of mother and race of child for 1980. This makes it possible to distinguish the effects of this change from real changes in the data. The text discussions of data by race are based on tabulations by race of mother. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

The factors influencing the decision to tabulate births by race of the mother have been discussed in detail elsewhere (68). They include the 1989 revision of the birth certificate, which includes many more health questions that are directly associated with the mother. In these instances, it is more appropriate to tabulate births by the mother's race. Another factor influencing the decision to tabulate births by race of mother is the large proportion of births with race of father not stated, 15 percent in 1997. Although this proportion has stabilized and declined slightly in the 1990's, it is still higher than in 1977, 11 percent. The high proportion of records with the father's race not reported reflects the increase in the proportion of births to unmarried women; in many such cases, no information is reported on the father. These births are already assigned the race of the mother because there is no alternative. Tabulating all births by race of mother, therefore, provides for a more uniform approach, rather than a necessarily arbitrary combination of parental races.

Race of mother is reported by all registration areas in eight categories: white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and "other" Asian or Pacific Islander (API). In addition, eight States (California, Hawaii, Illinois, Minnesota, New Jersey, New York, Texas, and Washington) report data on API subgroups included in the "other" API category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API).

In 1997 race of mother was not reported for 0.7 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.4 percent of births in 1997.

Hispanic origin and race are reported independently on the birth certificate, as noted previously. Data for Hispanic subgroups are shown in most cases for five groups: Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race. In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women are reported as white. In these tabulations, data for non-Hispanic persons are classified according to the race of the mother, because there are substantial differences in fertility and maternal and infant health between Hispanic and non-Hispanic white women.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all States and the District of Columbia, the Virgin Islands, and Guam since 1993 (5). Puerto Rico and American Samoa do not collect this information. The percent of records for which Hispanic origin of the parents was not reported in 1997 is shown by State in table I.

Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994 through 1996, birth certificates in 45 States and the District of Columbia included a question about the mother's marital status. Beginning in 1997, California added a direct question to their birth certificate; thus in 1997, all but four States (Connecticut, Michigan, Nevada, and New York) included a direct question on their birth certificates. Nevada asks for the mother's marital status through the electronic birth registration process but this item is not included on certified or paper copies of the birth certificate.

In the three States that used inferential procedures to compile birth statistics by marital status in 1997, a birth is inferred as nonmarital if any of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received, the father's name is missing, or the father's and mother's current surnames are different. In addition, criteria that are particularly applicable for a given State are also applied as necessary. For example, special procedures were used in California prior to 1997 to compare the parents' surnames when hyphenated if the parents were born in countries where naming practices can identify the parents' marital status. This procedure was in effect for many years for Asian mothers and for 1995–96 for Hispanic mothers (19). 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. The inferential procedures in effect since 1980 represent a substantial departure from the method used before 1980 to prepare national estimates of births to unmarried women, which assumed that the incidence of births to unmarried women in States with no direct question on marital status was the same as the incidence in reporting States in the same geographic division (23).

The procedures for reporting marital status in California, Nevada, and New York City changed beginning January 1, 1997. Up to that date, the mother's marital status was inferred in California by comparing the surnames of the mother, father, and child. Beginning in 1997, two changes were implemented. First, a law went into effect mandating that the father's name could not be included on the birth certificate unless the parents were married or a paternity affidavit was filed. Second, the marital status of women giving birth in California is now determined by a direct question on the birth certificate, "Mother married at any time during this pregnancy?" similar to the question asked in most other States. Reporting procedures for marital status in California are now essentially the same as those in most other States.

Procedures for inferring marital status for births in New York City changed effective in 1997; New York City is a separate registration area. Beginning in 1997, the mother is assumed to be unmarried if the father's name is missing from the birth certificate, or if a paternity affidavit was filed; these are the same procedures that have been in effect in the balance of New York State for many years. Through 1996, the inferential criteria had included a comparison of the surnames of the mother and father (21,22).

Data on marital status for Nevada prior to 1997 are based on inferential procedures with the key criterion relying on a comparison of parental surnames. Beginning in 1997, Nevada is collecting information on the mother's marital status through the electronic birth registration process. This item is not included, however, on certified or paper copies of the birth certificate. Because of a recently discovered computer processing error, the data previously reported by Nevada for 1995 and 1996 substantially overestimated the number and percent of births to unmarried women. Corrected summary data are now available. The percent unmarried was 38.8 percent in 1995 and 39.3 percent in 1996. Based on the direct question, 35.5 percent of births in 1997 were to unmarried women. If the inferential procedures had remained in effect in 1997, however, Nevada estimates that 39.8 percent of births in that year were to unmarried women (slightly higher than in 1996). The change in reporting procedures therefore accounts for nearly all of the reported change in nonmarital births in Nevada in 1997.

Because California and New York City together account for 17 percent of U.S. births, data by marital status for these areas were examined carefully to determine the effect of these reporting changes on the national data. The reporting changes had little impact on the total numbers and proportions of nonmarital births for the United States as a whole, and relatively little impact on the overall data for California. The changes affected the overall data for New York State (including New York City) as well as the data by age. In general, there was a tendency for the proportion unmarried to increase between 1996 and 1997 for women aged 15–24 years, and for the proportions to decrease for women aged 30–44 years; changes for women aged 25–29 years were not consistent. The contrasts by age were very pronounced in the data for California. Large decreases in nonmarital births were found for all age groups for New York.

The tendency for considerable increases in the proportions of nonmarital births among teenagers and the concurrent decline for older women in California is a direct reflection of the changes in reporting procedures in that State. Previously, unmarried women were frequently listing the father's name on the birth certificate. In many cases, especially among younger Hispanic and Asian or Pacific Islander women, the inferential procedures identified these births incorrectly as occurring to married women, a result of variations in naming practices among these population groups. National and State laws now preclude the father's name from being listed unless the parents are married or a paternity affidavit has been filed. Among older married women who have retained their birth surname after marriage, particularly well-educated white women, there was a tendency for their births to be considered nonmarital, because the surnames did not match. For California, the changes in nonmarital birth patterns by age were compensating, so that the overall levels of nonmarital births for California in 1997 are only moderately higher than in 1996. For New York, the changes in inferential procedures affected all age groups, identifying fewer births as nonmarital in 1997; without these changes, levels of nonmarital births would have been unchanged (21,22).

The use of inferential marital status data together with information from a direct question represents an attempt to use related information on the birth certificate to improve the quality of national data as well as to provide data for the individual nonreporting States. An evaluation of this method and its validity for California (the largest nonreporting State until 1997) has been published (69). Because of the continued substantial increases in nonmarital childbearing throughout the 1980's, the data have been intensively evaluated by the Division of Vital Statistics, NCHS. The results of this evaluation show that trends in birth rates for unmarried women for rates computed on the basis of estimated data and on the basis of inferred data are essentially the same.

The mother's marital status was not reported in 1997 on 0.05 percent of the birth records in the 46 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

Gestation

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother's last

normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of postconception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages 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 (59, 70).

The U.S. Standard Certificate of Live Birth includes an item, "clinical estimate of gestation," that is being compared with length of gestation computed from the date the last normal menstrual period (LMP) began when the latter appears to be inconsistent with birthweight. This is done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The clinical estimate was also used if the LMP date was not reported. The period of gestation for 4.9 percent of the births in 1997 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for fewer than 300 births or less than 0.01 percent of all birth records in 1997. The levels of the adjustments in 1997 data were similar to those for 1996 and earlier years (19).

Birthweight

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. Equivalents of the gram weights in terms of pounds and ounces are as follows:

Less than 500 grams = 1 lb 1 oz or less
500–999 grams = 1 lb 2 oz–2 lb 3 oz
1,000–1,499 grams = 2 lb 4 oz–3 lb 4 oz
1,500–1,999 grams = 3 lb 5 oz–4 lb 6 oz
2,000–2,499 grams = 4 lb 7 oz–5 lb 8 oz
2,500–2,999 grams = 5 lb 9 oz–6 lb 9 oz
3,000–3,499 grams = 6 lb 10 oz–7 lb 11 oz
3,500–3,999 grams = 7 lb 12 oz–8 lb 13 oz
4,000–4,499 grams = 8 lb 14 oz–9 lb 14 oz
4,500–4,999 grams = 9 lb 15 oz–11 lb 0 oz
5,000 grams or more = 11 lb 1 oz or more

Method of delivery

Several rates are computed for method of delivery. The overall cesarean section rate or *total cesarean rate* is computed as the percent of all births that were delivered by cesarean section. The *primary cesarean* rate is a measure which relates the number of women having a first cesarean delivery to all women giving birth who have never had a cesarean delivery. The denominator for this rate includes all births less those with method of delivery classified as repeat cesarean, vaginal birth after previous cesarean, or method not stated. The rate for *vaginal birth after previous cesarean* (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean section. The proportion of VBAC deliveries among births in Hawaii in 1997 is overstated because of incomplete reporting in some hospitals.

Computations of percents, percent distributions, and medians

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percents, percent distributions, and medians were computed. The percent of records with missing information for each item is shown by State in table I. The median number of prenatal visits also excludes births to mothers who had no prenatal care. Computations of the median years of school completed and the median number of prenatal visits were based on ungrouped data. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

Population denominators

Birth and fertility rates for 1997 shown in tables 1, 3–6, 8–9, and 13–14 are based on populations estimated as of July 1, 1997. These populations are shown in tables II and III. The population estimates have been published by the U.S. Bureau of the Census (13) and are based on the 1990 census counts by race and age, which were modified to be consistent with Office of Management and Budget racial categories and historical categories for birth data, and in the case of age, to reflect age as of the census reference date. The modification procedures are described in detail in a census report (71).

Birth and fertility rates by State shown in table 10 are based on State-level population estimates provided by the U.S. Bureau of the Census that are consistent with the U.S. populations (72). Rates by State shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates by month shown in table 15 are based on monthly population estimates also based on the 1997 estimates. Rates for unmarried women shown in tables 17 and 18 are based on distributions of the population by marital status as of March 1997 provided by the U.S. Bureau of the Census (73), which have been adjusted to July 1997 population levels (13) by the Division of Vital Statistics, NCHS (23).

Birth and fertility rates for the Hispanic population, shown in tables 6, 8, 9, and 14, are based on estimates of the total Hispanic population as of July 1, 1997 (13). Rates for Hispanic subgroups are based on special population estimates that are presented in table III in the Technical notes (74).

Computation of rates

In computing birth rates by live-birth order, births with birth order not stated were distributed in the same proportion as births of known live-birth order. This procedure is done separately by race.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the U.S. Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (1.4 percent) were actually to

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa: 1997

[By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic origin		Educational attainment Mother	Live-birth order	Length of gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
Total of reporting areas[1]	3,880,894	0.0	0.0	0.2	14.5	14.9	1.4	15.6	1.5	0.5	1.0	2.6	3.4
Alabama	60,914	–	0.0	0.1	24.7	24.8	0.0	24.7	0.4	0.0	0.1	0.5	0.9
Alaska	9,947	0.0	0.0	0.1	14.1	16.0	0.2	14.7	1.0	0.1	0.1	1.5	1.0
Arizona	75,699	0.0	0.1	0.3	21.6	23.7	1.3	24.1	2.1	0.3	0.2	1.3	1.7
Arkansas	36,478	0.0	0.1	0.3	20.4	21.2	0.2	20.7	0.8	0.2	0.4	2.4	3.2
California	524,840	0.0	0.1	0.1	7.5	6.6	0.5	6.0	1.3	0.1	[2]5.0	1.2	2.6
Colorado	56,533	–	0.0	0.2	10.0	10.6	0.1	10.8	1.2	0.1	0.0	0.7	1.4
Connecticut	43,109	0.0	0.0	0.4	9.3	11.0	6.1	14.8	4.8	8.2	1.2	6.7	10.4
Delaware	10,253	0.0	0.0	0.3	29.1	30.3	0.5	30.1	0.3	0.2	0.2	0.6	0.8
District of Columbia	7,927	0.0	–	0.0	47.5	54.3	1.9	48.0	9.5	0.4	0.5	15.8	17.9
Florida	192,383	0.0	–	0.1	18.1	18.1	0.1	19.3	0.4	0.0	0.1	1.1	1.7
Georgia	118,221	0.0	0.0	0.2	18.5	18.7	0.9	19.2	1.3	0.3	0.1	2.0	1.7
Hawaii	17,393	0.0	0.0	0.1	8.5	8.7	0.3	8.9	0.4	0.0	5.3	2.5	3.1
Idaho	18,582	–	0.0	0.2	8.0	11.3	1.5	11.3	8.1	0.9	0.6	4.0	12.7
Illinois	180,803	0.0	0.0	0.1	15.4	16.9	0.0	16.9	0.7	0.1	0.2	1.6	2.0
Indiana	83,436	0.3	0.1	0.2	13.0	13.1	0.4	13.3	1.0	0.7	0.1	2.0	3.4
Iowa	36,659	0.0	0.0	0.3	12.3	14.3	1.0	14.9	1.5	0.1	0.1	1.3	4.4
Kansas	37,289	0.0	0.0	0.1	10.6	10.9	0.9	12.0	0.3	0.1	0.1	0.6	1.0
Kentucky	53,203	0.0	0.0	0.0	22.1	22.7	0.0	24.1	0.2	0.2	0.2	0.9	1.0
Louisiana	66,025	0.0	0.0	0.0	23.1	23.3	0.0	23.2	0.1	0.0	0.1	0.3	0.4
Maine	13,669	0.0	–	–	10.1	14.9	4.2	18.9	0.7	0.2	0.1	0.6	0.7
Maryland	70,215	–	0.0	0.9	8.3	10.7	1.2	6.8	4.8	3.3	1.5	11.4	17.2
Massachusetts	80,364	0.0	0.0	0.1	8.0	7.8	0.6	7.0	0.5	0.5	0.5	1.1	1.0
Michigan	133,714	0.1	0.1	0.1	16.6	18.5	5.3	22.8	1.2	0.5	0.1	3.6	4.2
Minnesota	64,499	0.0	0.0	–	9.2	11.5	5.2	15.4	2.0	0.3	1.0	4.7	4.1
Mississippi	41,533	0.0	0.0	0.1	25.4	24.6	0.1	25.3	0.2	0.1	0.2	0.5	0.8
Missouri	74,037	–	0.0	0.2	18.5	18.7	0.1	19.0	0.9	0.4	0.2	1.9	3.3
Montana	10,849	0.0	0.5	–	9.7	10.7	3.2	13.7	0.2	0.1	0.0	0.6	0.5
Nebraska	23,319	–	–	0.0	12.1	12.6	2.3	14.2	0.1	–	0.0	0.3	0.6
Nevada	26,911	0.0	0.0	0.8	23.3	24.9	0.7	23.1	2.1	0.8	0.8	4.0	9.9
New Hampshire	14,313	0.0	0.0	0.0	8.0	8.7	3.0	10.8	0.8	0.1	0.4	2.9	3.7
New Jersey	113,279	0.1	0.1	0.3	9.0	10.9	0.5	9.7	2.3	0.2	0.2	3.6	3.9
New Mexico	26,871	–	0.0	2.1	26.6	25.9	0.0	25.9	4.4	0.5	0.3	4.8	4.4
New York	257,238	0.1	0.1	0.6	17.9	18.2	9.6	26.0	1.4	0.3	0.2	8.9	5.8
North Carolina	107,015	0.0	0.0	0.0	17.4	17.4	0.0	17.3	0.1	0.0	0.1	0.6	0.6
North Dakota	8,353	–	–	0.0	8.7	9.9	2.9	12.6	0.1	–	0.1	0.4	0.3
Ohio	152,033	0.0	0.1	0.2	11.5	13.9	0.5	13.5	0.5	0.1	0.0	0.4	1.7
Oklahoma	48,269	0.0	0.0	0.1	17.3	19.0	0.4	19.5	3.6	4.1	3.6	10.7	11.3
Oregon	43,809	0.0	1.0	0.1	10.7	4.3	0.2	4.6	1.0	0.0	0.0	0.4	0.5
Pennsylvania	144,224	0.0	0.0	0.6	5.5	3.4	0.6	3.1	2.0	0.3	0.2	1.7	2.9
Rhode Island	12,455	0.0	–	0.2	13.5	14.1	13.0	23.2	2.8	2.2	2.2	8.0	8.6

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa: 1997—Con.

[By place of residence]

Area	Number of births	Place of birth	Attendant at birth	Mother's birth-place	Father's age	Father's race	Hispanic origin		Educational attainment Mother	Live-birth order	Length of gestation	Month prenatal care began	Number of prenatal visits
							Mother	Father					
South Carolina	52,214	0.0	0.0	0.3	28.5	28.7	0.1	28.6	4.2	0.4	0.2	1.9	2.0
South Dakota	10,173	–	–	–	11.9	12.1	0.2	12.7	0.3	0.0	0.0	0.6	0.6
Tennessee	74,478	–	0.0	0.1	15.9	16.2	0.1	16.1	0.2	0.1	0.2	1.3	1.6
Texas	333,974	0.0	0.0	0.4	15.7	15.6	0.3	15.6	1.0	0.9	0.4	1.9	4.5
Utah	43,059	–	0.0	0.1	9.8	10.9	0.3	9.2	0.9	0.1	0.1	1.0	1.2
Vermont	6,607	–	0.0	0.0	6.0	9.4	3.0	10.6	2.1	0.1	0.2	3.1	1.0
Virginia	91,862	0.0	0.0	0.1	17.9	19.1	0.1	18.0	0.4	0.2	0.3	0.9	2.0
Washington	78,190	0.0	0.0	0.7	11.6	11.9	3.2	12.1	10.4	3.8	1.5	9.2	12.9
West Virginia	20,730	0.1	0.0	0.1	13.0	15.9	0.0	15.9	0.4	0.2	0.3	3.5	3.2
Wisconsin	66,557	0.0	–	0.0	27.6	27.7	0.0	27.7	0.1	0.0	0.0	0.2	0.3
Wyoming	6,387	–	–	0.1	13.6	13.8	0.3	13.8	0.3	0.0	0.0	0.4	0.4
Puerto Rico	64,109	–	0.0	–	2.7	3.0	...	...	0.2	0.0	0.0	0.2	0.1
Virgin Islands	2,017	–	0.2	–	19.8	21.7	5.4	31.1	1.6	0.3	0.6	0.7	1.6
Guam	4,308	0.1	0.3	0.7	24.8	26.8	1.9	28.2	2.1	1.5	0.9	3.5	4.0
American Samoa	1,634	–	...	4.8	34.6	36.9	...	...	...	...	...	...	...

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa: 1997—Con.

[By place of residence]

Area	Number of births	Birth-weight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
Total of reporting areas[1]	3,880,894	0.1	0.6	1.2	1.5	1.4	8.3	0.8	1.0	0.9	2.1	1.5
Alabama	60,914	0.0	0.3	[3]0.1	0.2	0.2	4.4	0.1	0.1	0.2	0.1	0.2
Alaska	9,947	0.3	0.5	0.1	0.3	0.3	1.4	0.1	0.1	0.3	0.1	0.1
Arizona	75,699	0.1	0.4	0.0	1.9	2.1	10.5	0.0	0.0	0.2	0.0	0.4
Arkansas	36,478	0.2	4.6	0.4	1.0	1.1	9.8	0.2	0.4	0.6	0.3	0.3
California	524,840	0.0	---	0.0	---	---	---	0.0	0.0	0.0	0.0	0.0
Colorado	56,533	0.0	0.3	0.0	0.2	0.2	4.0	0.0	0.0	0.0	0.0	0.1
Connecticut	43,109	0.0	3.4	14.9	9.8	9.5	23.7	13.1	15.2	7.3	21.0	22.4
Delaware	10,253	0.1	0.3	0.0	0.1	0.1	0.9	0.0	0.0	0.1	0.1	0.1
District of Columbia	7,927	0.1	1.0	–	0.1	0.1	18.8	–	–	0.1	0.0	–
Florida	192,383	0.0	0.2	0.0	0.1	0.1	4.2	0.0	0.0	0.6	0.0	0.0
Georgia	118,221	0.0	0.5	0.4	0.2	0.3	4.7	0.0	0.0	0.4	0.0	0.0
Hawaii	17,393	1.7	4.6	20.2	0.3	0.3	13.8	13.1	7.6	19.4	21.0	22.4
Idaho	18,582	0.1	0.7	0.7	1.8	2.0	10.8	0.5	0.7	0.2	0.4	0.5
Illinois	180,803	0.1	0.3	0.1	1.0	0.2	4.0	0.0	0.1	0.4	0.1	0.1
Indiana	83,436	0.4	0.4	0.2	---	0.4	4.0	0.1	0.3	0.4	0.8	0.8
Iowa	36,659	0.0	0.3	0.1	2.2	2.5	6.6	0.0	0.1	0.3	0.1	0.1
Kansas	37,289	0.0	0.3	[4].4	0.5	0.5	0.7	0.3	0.3	2.5	0.3	0.3
Kentucky	53,203	0.1	0.4	6.7	5.3	5.2	9.4	4.0	7.1	4.8	12.5	11.7
Louisiana	66,025	0.1	0.3	0.1	0.2	0.2	7.0	0.1	0.1	0.1	0.1	0.1
Maine	13,669	0.1	0.1	0.1	1.8	2.7	1.1	0.0	0.0	0.1	0.1	0.1
Maryland	70,215	0.1	0.5	0.0	1.1	1.6	12.6	0.0	0.0	0.1	0.0	0.0
Massachusetts	80,364	0.5	0.6	1.2	0.4	0.4	2.0	1.1	1.2	0.8	2.1	1.9
Michigan	133,714	0.3	0.4	0.4	1.5	1.2	9.4	0.1	0.3	0.6	0.6	0.7
Minnesota	64,499	0.1	0.7	7.0	6.1	6.2	15.2	5.2	6.2	4.4	7.1	7.4
Mississippi	41,533	0.0	0.5	0.1	0.2	0.2	5.3	0.1	0.1	0.1	0.1	0.1
Missouri	74,037	0.1	0.4	0.1	0.6	0.6	3.7	0.0	0.0	0.5	0.0	0.0
Montana	10,849	0.0	0.3	0.1	1.3	1.4	0.5	0.1	0.1	0.6	0.1	0.1
Nebraska	23,319	0.0	0.2	0.0	1.0	1.0	1.8	0.0	0.0	0.2	[7].0	0.0
Nevada	26,911	0.0	1.5	1.4	1.5	1.6	9.8	0.2	0.7	0.7	2.2	2.5
New Hampshire	14,313	0.3	0.6	0.3	0.3	0.2	6.5	0.2	0.3	0.2	0.4	0.4
New Jersey	113,279	0.1	0.3	2.1	1.4	1.4	4.5	0.2	2.1	0.4	24.2	2.6
New Mexico	26,871	0.3	3.5	0.2	2.0	2.1	11.2	0.0	0.0	0.4	0.0	...
New York	257,238	0.1	0.3	1.1	[5]4.4	0.3	9.7	0.3	0.5	0.4	[8]0.8	0.9
North Carolina	107,015	0.0	0.3	0.0	0.1	0.1	2.8	0.0	0.0	0.3	0.0	0.0
North Dakota	8,353	0.1	0.3	0.1	0.5	0.8	1.5	0.1	0.1	0.7	0.1	0.1
Ohio	152,033	0.1	0.2	0.1	0.3	0.2	3.0	0.0	0.1	0.4	0.1	0.1
Oklahoma	48,269	0.7	5.5	28.8	20.8	21.0	31.4	24.2	28.0	21.2	35.0	35.8
Oregon	43,809	0.0	0.4	0.5	0.6	0.6	3.0	0.0	0.0	0.2	0.0	0.0
Pennsylvania	144,224	0.1	0.4	0.1	0.8	0.4	6.7	0.0	0.1	0.1	0.6	0.5
Rhode Island	12,455	0.3	0.4	4.9	2.5	2.7	10.7	4.9	5.1	0.2	12.1	12.3

See footnotes at end of table.

Table I. Percent of birth records on which specified items were not stated: United States and each State, Puerto Rico, Virgin Islands, Guam, and American Samoa: 1997—Con.

[By place of residence]

Area	Number of births	Birth-weight	5-minute Apgar score	Medical risk factors	Tobacco use	Alcohol use	Weight gain	Obstetric procedures	Complications of labor and/or delivery	Method of delivery	Abnormal conditions of newborn	Congenital anomalies
South Carolina	52,214	0.0	0.3	0.0	0.2	0.3	3.5	0.0	0.0	0.6	0.0	0.0
South Dakota	10,173	0.0	0.3	0.0	---	---	2.0	0.0	0.0	0.1	0.0	0.0
Tennessee	74,478	0.1	0.3	0.1	0.3	0.4	4.5	0.1	0.1	0.5	0.0	0.0
Texas	333,974	0.1	...	[6]1.2	0.2	0.2	18.9	0.1	[9].1	0.6	[7].1	0.1
Utah	43,059	0.1	0.3	0.2	0.4	0.4	5.9	0.0	0.1	0.0	0.3	0.5
Vermont	6,607	0.3	0.2	0.1	0.9	0.3	1.5	0.1	0.1	0.1	0.1	0.1
Virginia	91,862	0.1	0.4	0.1	0.2	0.1	7.7	0.1	0.1	0.3	0.3	0.0
Washington	78,190	0.2	0.5	1.7	4.4	13.5	22.9	1.3	4.3	0.5	5.1	4.9
West Virginia	20,730	0.0	0.2	0.5	0.7	2.6	7.8	0.0	0.5	0.2	0.8	0.5
Wisconsin	66,557	0.0	0.4	0.1	0.1	0.1	1.5	0.0	0.1	0.0	[10]0.1	0.1
Wyoming	6,387	0.0	0.2	0.0	1.0	1.0	1.2	0.0	–	0.2	0.0	–
Puerto Rico	64,109	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Virgin Islands	2,017	0.1	2.4	8.3	1.1	1.1	9.5	4.1	9.6	1.5	10.5	10.1
Guam	4,308	0.2	1.9	12.6	3.1	3.3	28.6	11.9	13.3	3.5	15.3	16.0
American Samoa	1,634	0.2	---	---	---	---	---	---	---	---	---	---

0.0 Quantity more than zero but less than 0.05.

– Quantity zero.

--- Data not available.

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

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

[3]Alabama does not report renal disease.

[4]Kansas does not report Rh sensitization.

[5]New York City (but not New York State) reports tobacco use.

[6]Texas does not report genital herpes and uterine bleeding.

[7]Nebraska and Texas do not report birth injury.

[8]New York City does not report assisted ventilation less than 30 minutes or assisted ventilation of 30 minutes or more.

[9]Texas does not report anesthetic complications and fetal distress.

[10]Wisconsin does not report fetal alcohol syndrome.

Table II. Estimated total population by race, and estimated female population by age and race: United States, 1997

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population	267,636,061	221,334,048	33,947,084	2,322,044	10,032,885
Female population					
15–44 years	59,688,117	48,081,235	8,489,065	558,304	2,559,513
10–14 years	9,283,112	7,343,738	1,444,504	117,894	376,976
15–19 years	9,241,412	7,313,274	1,457,189	108,713	362,236
15–17 years	5,615,997	4,439,844	881,596	68,817	225,740
18–19 years	3,625,415	2,873,430	575,593	39,896	136,496
20–24 years	8,532,461	6,750,471	1,313,327	91,290	377,373
25–29 years	9,398,632	7,476,133	1,362,390	90,965	469,144
30–34 years	10,400,509	8,380,656	1,464,368	90,478	465,007
35–39 years	11,338,341	9,278,207	1,515,068	92,041	453,025
40–44 years	10,776,762	8,882,494	1,376,723	84,817	432,728
45–49 years	9,396,051	7,826,939	1,127,973	68,960	372,179

SOURCE: Hollmann FW, Kuzmeskus LB, Perkins RC, Weber EA. U.S. population estimates, by age, sex, race, and Hispanic origin: 1990 to 1997. U.S. Bureau of the Census. PPL-91R. Census file NESTV97. Washington: U.S. Department of Commerce. 1998.

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, 1997

[Populations estimated as of July 1]

	Hispanic					Non-Hispanic		
Age	Total	Mexican	Puerto Rican	Cuban	Other Hispanic[1]	Total[2]	White	Black
Total population	29,347,806	18,649,659	3,070,441	1,270,140	6,357,566	238,288,182	194,571,380	32,298,025
Female population								
15–44 years	6,905,020	4,280,140	773,829	224,704	1,626,347	52,783,085	41,803,918	8,090,724
10–14 years	1,226,087	831,089	158,779	24,381	211,838	8,057,024	6,234,838	1,373,508
15–19 years	1,213,370	768,679	161,010	24,179	259,502	8,028,041	6,210,606	1,388,650
15–17 years	730,143	461,327	102,167	12,937	153,712	4,885,849	3,777,361	840,473
18–19 years	483,227	307,352	58,843	11,242	105,790	3,142,192	2,433,245	548,177
20–24 years	1,173,235	777,528	111,628	30,475	253,604	7,359,218	5,678,109	1,249,135
25–29 years	1,166,826	756,901	122,034	29,218	258,673	8,231,801	6,415,665	1,295,990
30–34 years	1,241,080	757,392	141,342	50,680	291,666	9,159,418	7,253,480	1,390,768
35–39 years	1,147,785	653,284	129,945	48,410	316,146	10,190,558	8,236,321	1,446,934
40–44 years	962,724	566,356	107,870	41,742	246,756	9,814,049	8,009,737	1,319,247
45–49 years	746,480	434,267	79,905	36,986	195,322	8,649,573	7,149,004	1,084,124

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

[2]Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census. Totals for Hispanic population and non-Hispanic population by race are consistent with figures published in: Hollmann FW, Kuzmeskus LB, Perkins RC, Weber EA. U.S. population estimates, by age, sex, race, and Hispanic origin: 1990 to 1997. U.S. Bureau of the Census. PPL-91R. Census file NESTV97. Washington: U.S. Department of Commerce. 1998.

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.

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 15 percent of the birth certificates, one third of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

Graphic presentation

Trend data shown in **figures 2–8** are plotted using a logarithmic scale. This approach is taken to facilitate comparison of the relative change in rates over time for each series of rates as well as the differentials among rates for different series. The trend lines in **figure 2**, for example, show that women 40–44 years of age experienced the most change of any group over the period, and also that they had the greatest increase in rates since 1985.

Random variation and relative standard error

Although the birth data in this report for births since 1985 are not subject to sampling error, they may be affected by random variation in the number of births involved. When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the data. Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

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

1. The "true" number of events lies between

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

2. The "true" rate lies between

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

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

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

For example, the proportion of mothers receiving first trimester care for area A for 1997 was 63.9 percent and this proportion or rate was based on 53 recorded births. Given prevailing conditions, the chances are 19 in 20 that the "true" or underlying proportion of women receiving early prenatal care in area A lies between 49.3 and 78.5 percent. The 1996 proportion receiving early care in area A was 78.7 based on 70 recorded births. The difference between the rates is 14.8 which is less than twice the standard error of the difference

$$2\sqrt{\frac{(63.9)^2}{53}+\frac{(78.7)^2}{70}}$$

of the two rates that is computed to be 25.7. From this, it is concluded that the difference between the proportions receiving early prenatal care in 1996 and 1997 is not statistically significant. More information on this topic is included in the Technical Appendix of the annual report, *Vital Statistics of the United States*, 1992, Volume I, Natality (3). In addition, the relative standard errors for birth rates for Hispanic subgroups, particularly Puerto Rican, Cuban, and "other" Hispanic women, may be somewhat higher than if based only on the number of births. This reflects the considerable sampling variability in the population estimates for these groups (74).

Definitions of medical terms

The 1989 revision of the U.S. Standard Certificate of Live Birth includes several maternal and infant health items in checkbox format, including obstetric procedures, medical risk factors, complications of labor and/or delivery, abnormal conditions of the newborn, and congenital anomalies of the child (**figure I**). The definitions which follow are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association of Public Health Statistics and Information Systems, formerly known as the Association for Vital Records and Health Statistics (75).

Medical risk factors for this pregnancy

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

Cardiac disease—Disease of the heart.

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

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

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

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

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

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

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

Eclampsia—The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

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

Previous infant 4,000+ grams—The birthweight of a previous live-born child was over 4,000+ grams (8 lbs. 14 oz.).

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

Renal disease—Kidney disease.

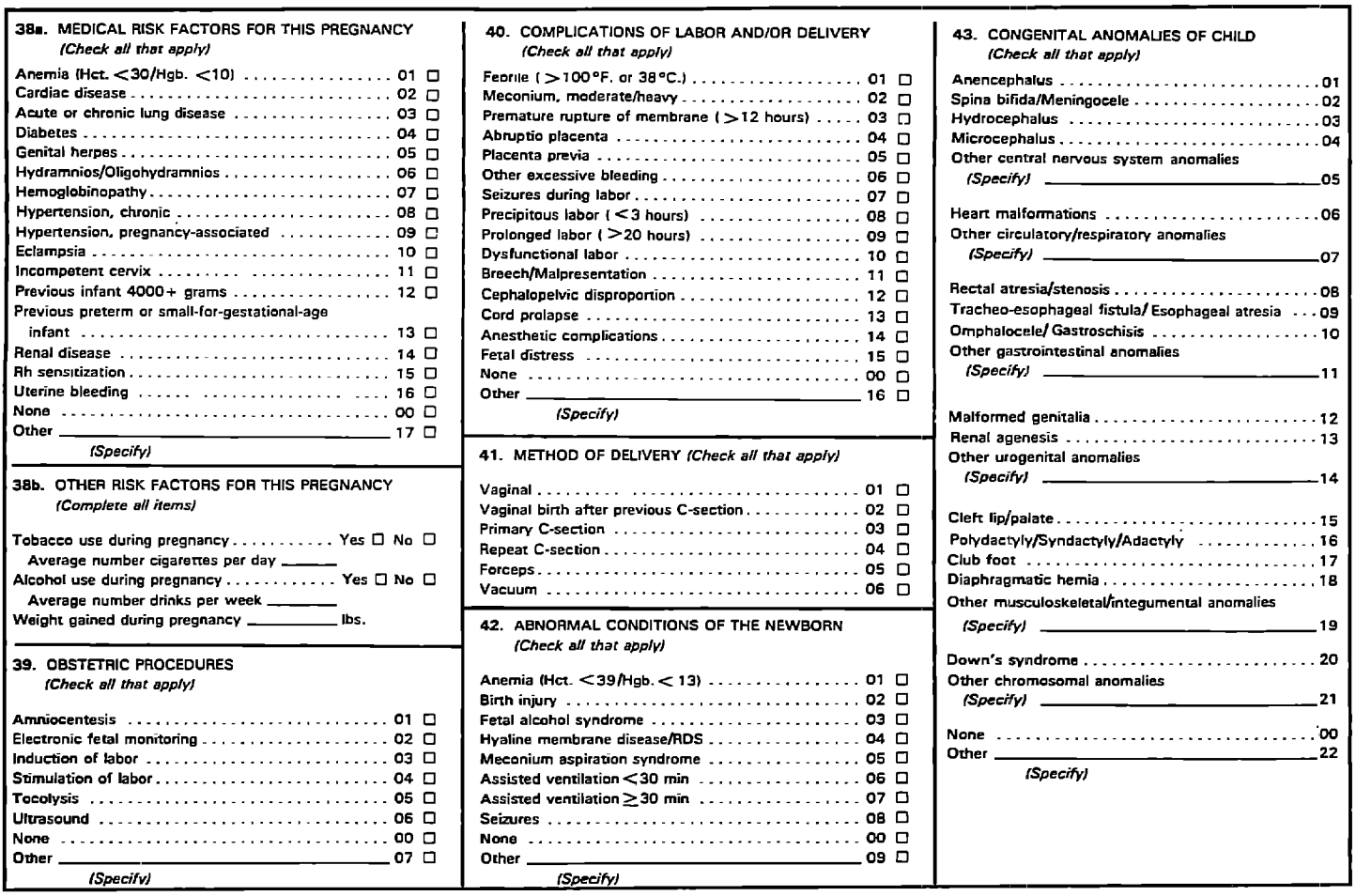
Rh sensitization—The process or state of becoming sensitized to the Rh factor as when an Rh-negative woman is pregnant with an Rh-positive fetus.

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

Obstetric procedures

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

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



38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY
(Check all that apply)

Anemia (Hct. <30/Hgb. <10) ..... 01 ☐
Cardiac disease ..... 02 ☐
Acute or chronic lung disease ..... 03 ☐
Diabetes ..... 04 ☐
Genital herpes ..... 05 ☐
Hydramnios/Oligohydramnios ..... 06 ☐
Hemoglobinopathy ..... 07 ☐
Hypertension, chronic ..... 08 ☐
Hypertension, pregnancy-associated ..... 09 ☐
Eclampsia ..... 10 ☐
Incompetent cervix ..... 11 ☐
Previous infant 4000+ grams ..... 12 ☐
Previous preterm or small-for-gestational-age infant ..... 13 ☐
Renal disease ..... 14 ☐
Rh sensitization ..... 15 ☐
Uterine bleeding ..... 16 ☐
None ..... 00 ☐
Other _____ 17 ☐
(Specify)

38b. OTHER RISK FACTORS FOR THIS PREGNANCY
(Complete all items)

Tobacco use during pregnancy ..... Yes ☐ No ☐
Average number cigarettes per day _____
Alcohol use during pregnancy ..... Yes ☐ No ☐
Average number drinks per week _____
Weight gained during pregnancy _____ lbs.

39. OBSTETRIC PROCEDURES
(Check all that apply)

Amniocentesis ..... 01 ☐
Electronic fetal monitoring ..... 02 ☐
Induction of labor ..... 03 ☐
Stimulation of labor ..... 04 ☐
Tocolysis ..... 05 ☐
Ultrasound ..... 06 ☐
None ..... 00 ☐
Other _____ 07 ☐
(Specify)

40. COMPLICATIONS OF LABOR AND/OR DELIVERY
(Check all that apply)

Febrile (>100°F. or 38°C.) ..... 01 ☐
Meconium, moderate/heavy ..... 02 ☐
Premature rupture of membrane (>12 hours) ..... 03 ☐
Abruptio placenta ..... 04 ☐
Placenta previa ..... 05 ☐
Other excessive bleeding ..... 06 ☐
Seizures during labor ..... 07 ☐
Precipitous labor (<3 hours) ..... 08 ☐
Prolonged labor (>20 hours) ..... 09 ☐
Dysfunctional labor ..... 10 ☐
Breech/Malpresentation ..... 11 ☐
Cephalopelvic disproportion ..... 12 ☐
Cord prolapse ..... 13 ☐
Anesthetic complications ..... 14 ☐
Fetal distress ..... 15 ☐
None ..... 00 ☐
Other _____ 16 ☐
(Specify)

41. METHOD OF DELIVERY *(Check all that apply)*

Vaginal ..... 01 ☐
Vaginal birth after previous C-section ..... 02 ☐
Primary C-section ..... 03 ☐
Repeat C-section ..... 04 ☐
Forceps ..... 05 ☐
Vacuum ..... 06 ☐

42. ABNORMAL CONDITIONS OF THE NEWBORN
(Check all that apply)

Anemia (Hct. <39/Hgb. <13) ..... 01 ☐
Birth injury ..... 02 ☐
Fetal alcohol syndrome ..... 03 ☐
Hyaline membrane disease/RDS ..... 04 ☐
Meconium aspiration syndrome ..... 05 ☐
Assisted ventilation <30 min ..... 06 ☐
Assisted ventilation ≥30 min ..... 07 ☐
Seizures ..... 08 ☐
None ..... 00 ☐
Other _____ 09 ☐
(Specify)

43. CONGENITAL ANOMALIES OF CHILD
(Check all that apply)

Anencephalus 01
Spina bifida/Meningocele 02
Hydrocephalus 03
Microcephalus 04
Other central nervous system anomalies
(Specify) _____ 05

Heart malformations 06
Other circulatory/respiratory anomalies
(Specify) _____ 07

Rectal atresia/stenosis 08
Tracheo-esophageal fistula/ Esophageal atresia 09
Omphalocele/ Gastroschisis 10
Other gastrointestinal anomalies
(Specify) _____ 11

Malformed genitalia 12
Renal agenesis 13
Other urogenital anomalies
(Specify) _____ 14

Cleft lip/palate 15
Polydactyly/Syndactyly/Adactyly 16
Club foot 17
Diaphragmatic hernia 18
Other musculoskeletal/integumental anomalies
(Specify) _____ 19

Down's syndrome 20
Other chromosomal anomalies
(Specify) _____ 21

None 00
Other _____ 22
(Specify)

Figure I. Selected maternal and infant health items from the 1989 revision of the U.S. Standard Certificate of Live Birth

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

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

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

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

Complications of labor and/or delivery

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

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

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

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

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

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

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

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

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

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

Breech/malpresentation—At birth, the presentation of the fetal buttocks rather than the head, or other malpresentation.

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

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

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

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

Abnormal conditions of the newborn

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

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

Fetal alcohol syndrome—A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

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

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

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

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

Seizures—A seizure of any etiology.

Congenital anomalies of child

Anencephalus—Absence of the cerebral hemispheres.

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

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

Microcephalus—A significantly small head.

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

Heart malformations—Congenital anomalies of the heart.

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

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

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

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

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

Malformed genitalia—Congenital anomalies of the reproductive organs.

Renal agenesis—One or both kidneys are completely absent.

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

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

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

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

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

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

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

Other chromosomal anomalies—All other chromosomal aberrations.

Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics of reports published in the past 5 years include Hispanic origin births (5), triplet births (64), teenage birth rates by State (6), birth rates by educational attainment of the mother (76), cesarean deliveries (77, 78), birth and fertility rates for States (17), births to unmarried mothers (23), characteristics of births in Asian or Pacific Islander population subgroups (4), trends in pregnancies and pregnancy rates (10), and trends in smoking (35).

This report presents summary tabulations from the final natality statistics for 1997. The National Center for Health Statistics will respond to requests for unpublished data whenever possible.

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