

Births: Final Data for 2008

by Joyce A. Martin, M.P.H.; Brady E. Hamilton, Ph.D.; Paul D. Sutton, Ph.D.; Stephanie J. Ventura, M.A.; T.J. Mathews, M.S.; and Michelle J.K. Osterman, M.H.S., Division of Vital Statistics

Abstract

Objectives—This report presents 2008 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 and Hispanic origin, marital status, attendant at birth, method of delivery, and infant characteristics (period of gestation, birthweight, and multiple births). Birth and fertility rates by age, live-birth order, race and Hispanic origin, and marital status also are presented. Selected data by mother's state of residence are shown, as well as data on age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

Methods—Descriptive tabulations of data reported on the birth certificates of the 4.25 million births that occurred in 2008 are presented. Denominators for population-based rates are postcensal estimates derived from the U.S. 2000 census.

Results—A total of 4,247,694 births were registered in the United States in 2008, 2 percent less than in 2007. The general fertility rate declined 1 percent to 68.6 per 1,000. The teenage birth rate declined 2 percent to 41.5 per 1,000. Birth rates for women aged 20 to 39 years were down 1–3 percent, whereas the birth rate for women aged 40–44 rose to the highest level reported in more than 40 years. The total fertility rate declined 2 percent to 2,084.5 per 1,000 women. All measures of unmarried childbearing reached record levels—40.6 percent of births were to unmarried women in 2008. The cesarean delivery rate rose again to 32.3 percent. The preterm birth rate declined for the second consecutive year to 12.3 percent; the low birthweight rate was down very slightly. The twin birth rate increased 1 percent to 32.6 per 1,000; the triplet and higher-order multiple birth rate was stable.

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

Highlights

- A total of 4,247,694 **births** occurred to U.S. residents in 2008, a decline of 2 percent from the record number reported for 2007. Births were down among each of the largest race and Hispanic

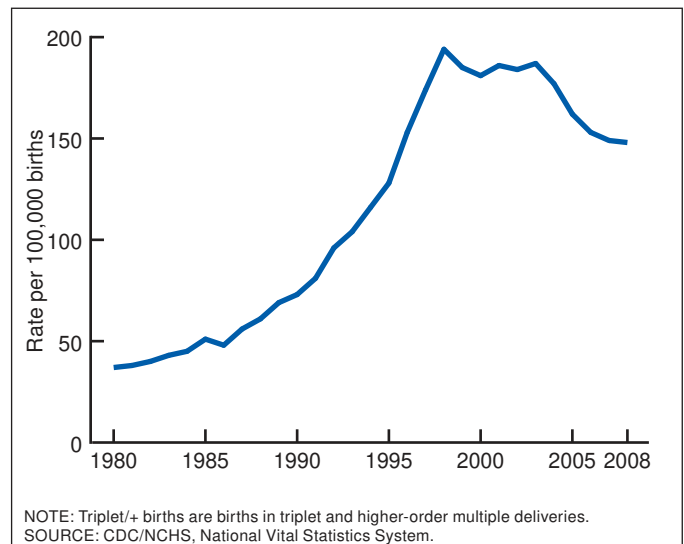


Figure 1. Triplet/+ birth rates: United States, 1980–2008

origin groups: non-Hispanic white, non-Hispanic black, and Hispanic.

- The **general fertility rate** declined 1 percent to 68.6 births per 1,000 women aged 15–44 years. The **total fertility rate** declined 2 percent, to 2,084.5 per 1,000 women.
- **Birth rates decreased for women in all age groups** from 15 through 39 years but increased for women in their 40s in 2008 compared with 2007. The birth rate for women aged 40–44 was the highest reported in more than 40 years.
- The **birth rate for U.S. teenagers** aged 15–19 fell 2 percent in 2008, to 41.5 per 1,000, reversing a brief 2-year increase that had halted the long-term decline from 1991 through 2005. Rates declined for teenage subgroups aged 15–17 and 18–19 and for most race and Hispanic origin groups.
- **Childbearing by unmarried women** continued to rise in 2008. The number of births and the birth rate each increased 1 percent or less, while the percentage of births to unmarried women increased to 40.6 percent.



Demarius V. Miller
Supervisory Technical Writer-Editor

The Division of Vital Statistics thanks Demarius Miller upon her retirement from NCHS for the hundreds of vital statistics reports she has enhanced through her great talent, skill, and good humor.

- The **cesarean delivery rate** rose for the 12th consecutive year, by 2 percent to 32.3 percent of all births. The cesarean rate has risen 56 percent since 1996, but the rate of increase is slowing.
- The **preterm birth rate** (less than 37 weeks) declined for the second straight year, by 3 percent to 12.3 percent. Most of the decline was among late preterm births (34–36 weeks).
- The **low birthweight (LBW) rate** was down very slightly, from 8.22 to 8.18 percent. The LBW rate had been rising fairly steadily over the last two decades.
- The **twin birth rate** increased 1 percent to 32.6 per 1,000 births in 2008, the highest rate on record. The twinning rate rose 70 percent between 1980 and 2004 but was stable for 2004–2006. The 2008 **triplet/+ birth rate** was 147.6 per 100,000. The triplet/+ birth rate climbed more than 400 percent from 1980 through 1998 but is down 24 percent from the 1998 peak (Figure 1).

Introduction

This report presents detailed data on numbers and characteristics of births in 2008, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. A report of preliminary birth statistics for 2008 presented data on selected topics based on a substantial sample (99.9 percent) of 2008 births (1). In addition to the tabulations included in this report, more detailed analysis is possible by using the natality public-use file issued each year. The data file may be downloaded from http://www.cdc.gov/nchs/data_access/Vitalstatsonline.htm and is available on CD-ROM upon request (2). Beginning with 2005, the public-use file no longer includes geographic detail; a file with this information may be available upon special request (3). A selection of tables with detailed data for prior years is available from the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (NCHS) website (4): <http://www.cdc.gov/nchs>.

A data access and analysis tool, VitalStats, is also available from: <http://www.cdc.gov/nchs/VitalStats.htm> (5). VitalStats includes birth data for 1990 through 2008 with access to interactive, prebuilt tables and the ability to build tables using more than 100 variables from the natality public-use files and geographic information by state and for counties with populations of 100,000 or more. VitalStats also includes interactive charting and mapping tools.

1989 and 2003 revisions of U.S. Standard Certificate of Live Birth

This report includes 2008 data on items that are collected on both the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 revision of the U.S. Standard Certificate of Live Birth (revised). The 2003 revision is described in detail elsewhere (6,7). Twenty-seven states and one territory—California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Vermont, Washington, and Wyoming, and Puerto Rico—had implemented the revised birth certificate as of January 1, 2008. These 27 states (excluding Puerto Rico) represent 65 percent of all U.S. births.

This report presents information on selected data items comparable between the 1989 and 2003 birth certificate revisions. A number of topics presented in this annual report in previous years (8)—day of birth, month of birth, sex ratio, weight gain during pregnancy, pregnancy risk factors, obstetric procedures, Apgar score, and congenital anomalies—will no longer be discussed each year but will be presented occasionally. Detailed tabulations on these topics are available from [Internet Tables I-2, I-3, I-5, and I-6](#); see [“List of Detailed Tables.”](#)

Key data items not comparable between the 1989 and 2003 birth certificate revisions—educational attainment, prenatal care, tobacco use during pregnancy, and type of cesarean and vaginal delivery, as well as data exclusive to the 2003 birth certificate revision (e.g., neonatal intensive care unit or NICU admission, diabetes type)—will be presented in an upcoming report; tabulations on these topics are available in the *User Guide to the 2008 Natality Public Use File* (9). An earlier report presented selected information exclusive to the 2003 revision for 2006 (10).

Beginning with the 2007 data file, items exclusive to the 1989 certificate revision (e.g., maternal anemia, ultrasound, and alcohol use) are not included in the natality public-use data files. These data are available upon request.

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 (9). Tables showing data by state also provide separate information for Puerto Rico, Virgin Islands, Guam, American Samoa, and Commonwealth of the Northern Marianas. These areas, however, are not included in totals for the United States.

Race and Hispanic origin are reported independently on the birth certificate. In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because the majority of women of Hispanic origin are reported as white. Most tables in this report show data for the categories of non-Hispanic white, non-Hispanic black, and Hispanic. Data are also presented in some tables for American Indian or Alaska Native (AIAN) and Asian or Pacific Islander (API) births and for four specific Hispanic subgroups: Mexican, Puerto Rican, Cuban, and Central and South American, and for one additional subgroup: “other and unknown Hispanic.” Data for AIAN and API births are not shown separately by Hispanic origin because the majority of these populations are non-Hispanic. Text references to black births and black mothers or white births and white mothers are used interchangeably for ease in writing; see [“Technical Notes.”](#)

The 2003 revision of the U.S. Standard Certificate of Live Birth allows the reporting of more than one race (multiple races) for each parent (6) in accordance with the revised standards issued by the Office of Management and Budget (OMB) in 1997 (11). See [“Technical Notes”](#) and the User Guide (9) for detailed information on the 2007 multiple-race reporting area and methods used to bridge responses for those who report more than one race to a single race.

For information on levels of incomplete reporting by state, see [“Technical Notes.”](#) For information on the measurement of data items shown in this report and the Internet tables, imputation techniques used, computation of derived statistics, and definitions of terms, see the User Guide (9).

Demographic Characteristics

Births and birth rates

Number of births

In 2008, a total of 4,247,694 **births** were registered in the United States, 2 percent less than the 4,316,233 births in 2007, which was the highest number of births ever reported in the United States (4,8) (Tables 1 and 5; Figure 2). Births in the United States had generally increased from 1998 through 2007. Despite the drop from 2007 to 2008, the number of 2008 births was still greater than for any year from 1962 through 2005.

The number of births decreased for the three largest race and Hispanic origin groups in 2008: down 2 percent for non-Hispanic white and Hispanic women and 1 percent for non-Hispanic black women. Births to API and AIAN women did not significantly change in 2008. Births also decreased for the specified Hispanic groups of Mexican (by 5 percent) and Central and South American (by 8 percent). Births to Puerto Rican and Cuban women did not significantly change. (See Tables 1–14 and Internet Table I–1 for national and state data by age, live-birth order, and race and Hispanic origin.)

Crude birth rate

The **crude birth rate** in 2008 was 14.0 live births per 1,000 persons (total population), 2 percent lower than the rate in 2007 (14.3) (Tables 1 and 5).

Fertility rate

The **general fertility rate** (GFR) in 2008 was 68.6 live births per 1,000 women of childbearing age (15–44 years), 1 percent lower than in 2007 (69.5) (Tables 1 and 5; Figure 2). The GFR for the United States had generally increased from 1998 through 2007. Rates declined 1 percent for non-Hispanic white and non-Hispanic black women and 3 percent for Hispanic women (Tables 1 and 5). The fertility rates for API and AIAN women did not significantly change in 2008. Among specified Hispanic groups, the rate for Mexican women decreased 8 percent in 2008, while the rate for “other Hispanic” women (Central and South American and unspecified Hispanic groups) increased 11 percent; see “Technical Notes” for discussion of the increase in births to “other Hispanic” women. The fertility rates for Puerto Rican and Cuban women did not significantly change.

Age of mother

Teenagers—The birth rate for U.S. teenagers declined 2 percent in 2008 to 41.5 births per 1,000 women aged 15–19. The decline follows a brief 2-year increase of 5 percent that interrupted the long-term, 34 percent reduction in teenage childbearing from 1991 (61.8 per 1,000) through 2005 (see Tables A and 2–4, 6, and 7) (12). That decline averaged about 3 percent per year from 1991 to 2003, and then slowed to 1 percent annually through 2005.

Among teenagers under age 20, the rate for ages 10–14 was unchanged at 0.6 births per 1,000. The number of births to this age group dropped 7 percent in 2008 from 2007, to 5,764, the fewest in more than half a century (5,316 in 1953).

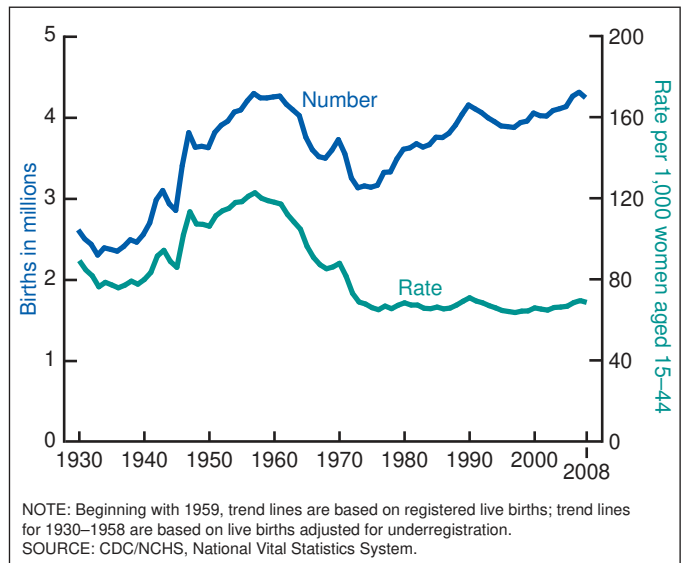


Figure 2. Live births and fertility rates: United States, 1930–2008

The birth rate for teenagers aged 15–17 declined 2 percent in 2008 from 2007, to 21.7 per 1,000, just slightly higher than the recent low of 21.4 in 2005 (Tables A and 4). The rate had increased 3 percent from 2005 through 2007, interrupting the 45 percent decline reported for 1991–2005. That decline averaged nearly 5 percent annually during 1991–2002 and then slowed to about 3 percent per year through 2005.

The birth rate for older teenagers dropped 4 percent in 2008, to 70.6 per 1,000 aged 18–19. The rate had declined 26 percent from 1991 (94.0 per 1,000) through 2005 (69.9) before rising 6 percent from 2005 through 2007.

Among race and Hispanic origin groups, birth rates declined 2 percent each for non-Hispanic white and non-Hispanic black teenagers from 2007 to 2008 (Table A and Figure 3). The rate for API teenagers dropped 4 percent, while the rate for Hispanic teenagers fell 5 percent to 77.5 per 1,000, lower than for any year since 1989 (100.8) when the rates for Hispanic teenagers first became available. The birth rate for Mexican teenagers also fell to a historic low, 78.7 per 1,000 (Table 8). The change for AIAN teenagers was not significant.

Recently released findings from the 2006–2008 National Survey of Family Growth (NSFG) indicate little or no change in sexual activity and contraceptive use among adolescents or in attitudes toward sexual activity and childbearing among teenagers. Likewise, biennial data from CDC’s 1991–1999 Youth Risk Behavior Surveys (YRBS) for school-aged youth indicate limited or no change in the majority of these behaviors in recent years (13,14). These NSFG and YRBS findings showing no recent changes in sexual risk behaviors contrast with previously reported long-term declines in risky behaviors among teenagers from the early 1990s to the mid-2000s and may provide the context for the modest changes in teenage childbearing in recent years. With the release of the next round of NSFG in 2011, which will cover the period of 2006–2010, it should be possible to assess these factors in more detail and for age and race and ethnicity subgroups of teenagers.

Women in their 20s—The birth rate for women aged 20–24 declined 3 percent in 2008, to 103.0 births per 1,000 women from 106.3 in 2007. Except for a 3-year upturn from 2004 through 2007, this rate

Table A. Birth rates for women aged 10–19 years, by age and by race and Hispanic origin of mother: United States, 1991 and 2005–2008.

[Rates per 1,000 women in specified age and race and Hispanic origin group]

Age and race and Hispanic origin of mother	Year					Percent change, 2007–2008	Percent change, 2005–2007	Percent change, 1991–2005
	2008	2007	2006	2005	1991			
10–14 years								
Rate								
All races and origins ¹	0.6	0.6	0.6	0.7	1.4	†	–14	–50
Non-Hispanic white ²	0.2	0.2	0.2	0.2	0.5	†	†	–60
Non-Hispanic black ²	1.4	1.5	1.6	1.7	4.9	–7	–12	–65
American Indian or Alaska Native total ^{2,3}	0.9	0.9	0.9	0.9	1.6	†	†	–44
Asian or Pacific Islander total ^{2,3}	0.2	0.2	0.2	0.2	0.8	†	†	–75
Hispanic ⁴	1.2	1.2	1.3	1.3	2.4	†	–8	–46
15–19 years								
All races and origins ¹	41.5	42.5	41.9	40.5	61.8	–2	5	–34
Non-Hispanic white ²	26.7	27.2	26.6	25.9	43.4	–2	5	–40
Non-Hispanic black ²	62.8	64.2	63.7	60.9	118.2	–2	5	–48
American Indian or Alaska Native total ^{2,3}	58.4	59.3	55.0	52.7	84.1	†	13	–37
Asian or Pacific Islander total ^{2,3}	16.2	16.9	17.0	17.0	27.3	–4	†	–38
Hispanic ⁴	77.5	81.8	83.0	81.7	104.6	–5	†	–22
15–17 years:								
All races and origins ¹	21.7	22.1	22.0	21.4	38.6	–2	3	–45
Non-Hispanic white ²	11.5	11.8	11.8	11.5	23.6	–3	3	–51
Non-Hispanic black ²	34.8	35.8	36.2	34.9	86.1	–3	3	–59
American Indian or Alaska Native total ^{2,3}	32.5	31.8	30.7	30.5	51.9	†	†	–41
Asian or Pacific Islander total ^{2,3}	7.9	8.2	8.8	8.2	16.3	†	†	–50
Hispanic ⁴	46.1	47.9	47.9	48.5	69.2	–4	–1	–30
18–19 years:								
All races and origins ¹	70.6	73.9	73.0	69.9	94.0	–4	6	–26
Non-Hispanic white ²	48.5	50.4	49.3	48.0	70.6	–4	5	–32
Non-Hispanic black ²	104.6	109.3	108.4	103.0	162.2	–4	6	–36
American Indian or Alaska Native total ^{2,3}	96.6	101.6	93.0	87.6	134.2	–5	16	–35
Asian or Pacific Islander total ^{2,3}	28.4	29.9	29.5	30.1	42.2	–5	†	–29
Hispanic ⁴	127.2	137.2	139.7	134.6	155.5	–7	2	–13

† Difference not statistically significant.

¹Includes births to white Hispanic and black Hispanic women and births with origin not stated, not shown separately.²Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. In 2008, 30 states reported multiple-race data that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2005–2008; see "Technical Notes."³Includes persons of Hispanic origin according to the mother's reported race; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race; see "Technical Notes."

has been generally declining since 1990 (Tables 3, 4, 7, and 8; Figure 4). From 2007 to 2008, the number of births to women in this age group decreased 3 percent, whereas their population increased slightly. The **rate for women aged 25–29** also declined in 2008, by 2 percent to 115.1 births per 1,000 women from 117.5 in 2007. The rate for this age group declined steadily from 1990 through 1997 but has fluctuated since. The number of births to these women decreased 1 percent in 2008 from 2007, whereas their population increased 1 percent.

Women in their 30s—The **birth rate for women aged 30–34** was 99.3 births per 1,000 women in 2008, down 1 percent from the 2007 rate (99.9). The birth rate for women aged 30–34 has generally increased since 1976. Births to women aged 30–34 declined slightly in 2008, whereas the population of these women increased slightly. The **birth rate for women aged 35–39** in 2008 also was down 1 percent, to 46.9 births per 1,000 women from 47.5 in 2007. This marks the first decline in the rate for this age group in three decades; rates had steadily increased (150 percent) from 1978 to 2007. The number of births and the population of women aged 35–39 decreased 1–2 percent (Tables 2 and 6).

Women in their 40s—The **birth rate for women aged 40–44** was 9.8 live births per 1,000 women in 2008, 3 percent above the 2007 rate

(9.5) and the highest rate reported since 1967 (10.6) (Tables 4 and 8) (4). The birth rate for this age group has been generally increasing since 1981 (3.8) and has risen 32 percent since 1999 (7.4) (Figure 4). The number of births to these women increased 1 percent from 2007 to 2008. The **birth rate for women aged 45–49** also increased in 2008, to 0.7 births per 1,000 women from 0.6 in 2007. The rate for women in this age group has generally increased slowly since 1993 (0.3), albeit with moderate periods of no change. From 2007 to 2008, births to women aged 45–49 increased 4 percent.

Women aged 50 and over—The number of births to women aged 50 and over was 541 in 2008, 5 percent more than in 2007 (514) (Tables 2 and 6). The number of births to women in this age group has increased more than 10 percent annually since 1997 (144), when data for women aged 50 and over became available again. (From 1964 through 1996, age of mother was imputed if the reported age was under 10 or 50 or over; see "Technical Notes.")

The **birth rate for women aged 50–54** was 0.5 births per 10,000 women in 2008, unchanged from 2007. Because of small numbers, births to women aged 50 and over historically, and for rates shown in all tables in this report, have been included with births to women aged 45–49 when computing birth rates by age of mother (the denominator

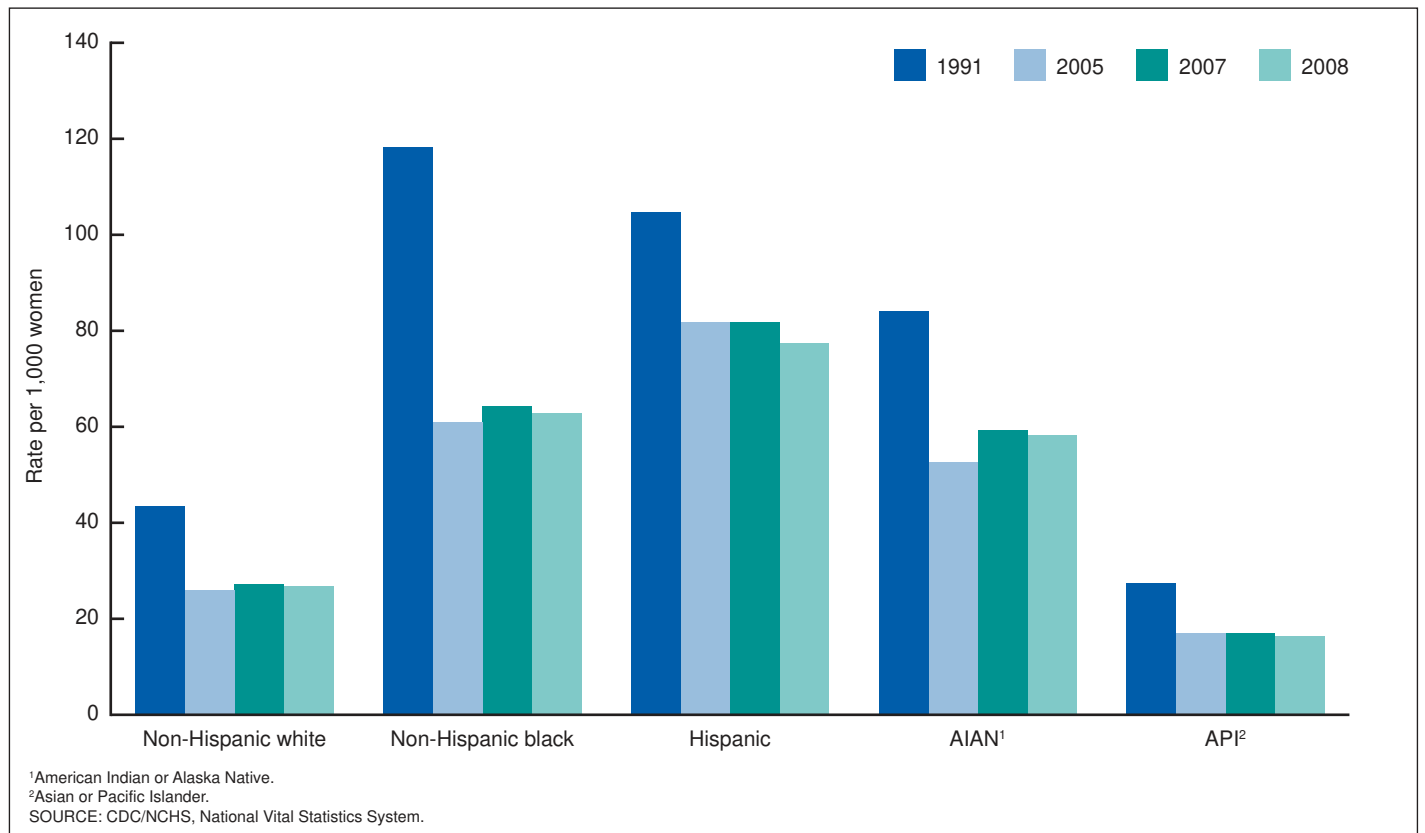


Figure 3. Birth rates for teenagers aged 15–19 years, by race and Hispanic origin: United States, 1991, 2005, and 2007–2008

for the rate is women aged 45–49 years). However, the birth rate for women aged 50–54 for 2008 is calculated and reported separately here. The rate is expressed *per 10,000 women* because of the small number of births.

The increase in birth rates for women aged 35 and over during the last 20 years has been linked, in part, to the use of fertility-enhancing therapies (15).

Live-birth order

The **first-birth rate** was 27.7 births per 1,000 women aged 15–44 in 2008, 1 percent lower than in 2007 (27.9) (Tables 3, 7, and 9). The rate has generally fluctuated over the last 10 years. First-birth rates for women aged 15–29 and 35–39 decreased 1–2 percent in 2008, whereas the rate for women aged 40–44 increased from 2.0 to 2.2 per 1,000—the only age group to increase. First births for women in other age groups were unchanged.

The second- through fourth-order birth rates for women aged 15–44 decreased 2 percent each in 2008, whereas rates for fifth-through eighth- and higher-order births were unchanged.

The **mean age at first birth**, another useful measure in interpreting childbearing patterns, increased to 25.1 in 2008 after declining to and remaining at 25.0 in 2006 and 2007 (Tables 13, 14, and Internet Table I-1) (4,8,16,17). The mean is the arithmetic average of the age of mothers at the time of birth and is computed directly from the frequency of first births by age of mother. The increase in the mean age from 2007 to 2008 reflects, in part, the relatively large decline in births to women under age 25 compared with the small decline for women aged 25–39.

Average age at first birth varied substantially among race and Hispanic origin groups, ranging from 21.9 years for AIAN women to 28.7 years for API women in 2008. The age of first-time mothers for the three largest **race and Hispanic origin** groups was 22.8 years for non-Hispanic black, 23.1 years for Hispanic, and 26.0 years for non-Hispanic white women. Age at first birth increased for non-Hispanic black and API women as well as Mexican, Puerto Rican, and Central and South American women, but it was essentially unchanged for non-Hispanic white and Cuban women (Tables 13 and 14).

Total fertility rate

The **total fertility rate** (TFR) estimates the number of births that a hypothetical group of 1,000 women would have over their lifetimes, based on age-specific birth rates in a given year. The rate may be expressed as the average number of children that would be born per woman. Because it is computed from age-specific birth rates, the TFR is age-adjusted and can be compared for populations across time, population groups, and geographic areas.

In 2008, the TFR was 2,084.5 births per 1,000 women, down 2 percent from 2007 (2,122.0) (Tables 4, 8, 13, and 14). The U.S. rate had generally increased from 1998 through 2007. For the three largest race and Hispanic origin groups, rates decreased 1–2 percent for non-Hispanic white and non-Hispanic black women in 2008 from 2007, and 3 percent for Hispanic women. The TFR for API women also decreased 1 percent, whereas the rate for AIAN women did not significantly change in 2008. Among specified Hispanic groups, the rate for Mexican women decreased 8 percent, whereas the rate for “other

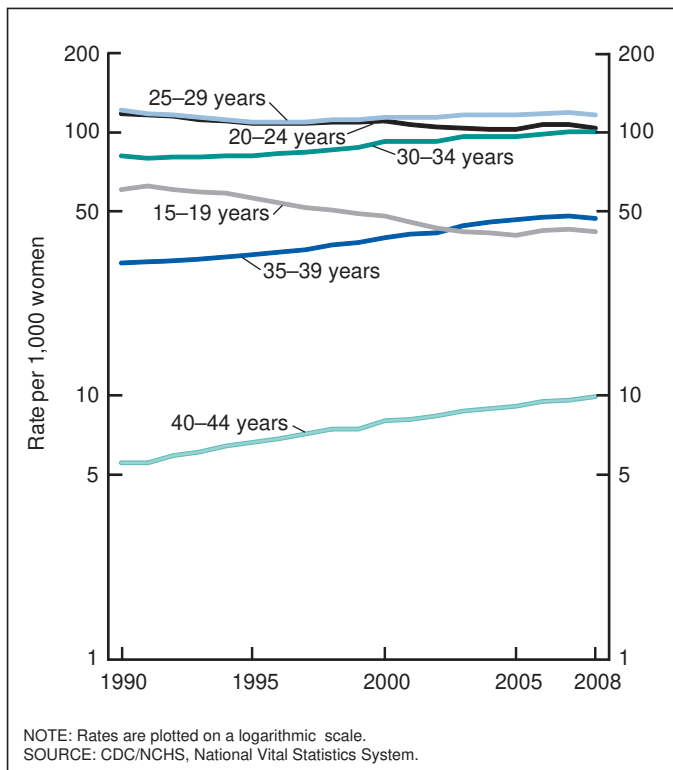


Figure 4. Birth rates, by selected age of mother: United States, 1990–2008

Hispanic” (Central and South American and unspecified Hispanic subgroups) women increased 12 percent. (For information on changes for other and unknown Hispanics, see “[Technical Notes](#).”) The TFRs for Puerto Rican and Cuban women did not significantly change.

The U.S. TFR was below replacement in 2008, after being above replacement in 2006 and 2007. “Replacement” is the level at which a given generation can exactly replace itself, generally considered to be 2,100 births per 1,000 women. Prior to 2006, the national rate had not been above replacement for 35 years.

TFRs differ widely by race and Hispanic origin and, despite the declines in 2008, remained above replacement for non-Hispanic black women (2,107.5) and women in the following Hispanic origin groups: Mexican (2,866.5), Puerto Rican (2,160.0), and “other Hispanic” (3,523.0) ([Tables 4, 8, 13, and 14](#)).

Births and birth rates by state

Among the 50 states and the District of Columbia, the number of births declined significantly in 19 states from 2007 to 2008. Only in Washington did the number of births increase significantly. The number of births in other states and the District of Columbia were essentially unchanged. Among U.S. territories, the number of births decreased in Puerto Rico and was essentially unchanged in American Samoa, Guam, Northern Marianas, and Virgin Islands; see [Tables 10 and 11](#) for 2008 data.

State-specific crude birth rates ranged from 10.2 births per 1,000 total population in Vermont to 20.3 in Utah in 2008 ([Table 12](#)). Birth rates fell in 32 states in 2008 from 2007 and were unchanged in 17 states and the District of Columbia. The birth rate increased in Alaska

only. Among U.S. territories, the birth rate rose in Northern Marianas, declined in Puerto Rico, and was unchanged in American Samoa, Guam, and Virgin Islands.

In 2008, the U.S. fertility rate fell 1 percent, to 68.6 births per 1,000 women aged 15–44. This decline in the fertility rate from 2007 was geographically broad-based, with significant declines in 19 states representing most regions of the country ([Figure 5](#)). Fertility rates increased in 3 states (Alaska, Hawaii, and Washington) and were statistically unchanged in the remaining 28 states and the District of Columbia. State-specific 2008 fertility rates ranged from 52.4 births per 1,000 women aged 15–44 in Vermont to 93.1 in Utah ([Table 12](#)). Among U.S. territories, the fertility rate declined in Puerto Rico, increased in Northern Marianas, and was unchanged in Virgin Islands, Guam, and American Samoa.

TFRs, which provide a summary of lifetime fertility, ranged in 2008 from 1,673.0 per 1,000 (1.7 births per woman) in Vermont to 2,597.0 (2.6 births per woman) in Utah ([Table 12](#)). Differences in TFRs among states and changes in 2008 from 2007 for individual states are similar to those noted for GFRs.

Birth rates for teenagers by state

In 2008, the U.S. birth rate for teenagers aged 15–19 fell 2 percent to 41.5 per 1,000. The decline in the national teenage birth rate in 2008 from 2007 was driven by significant declines in 14 states (Arizona, California, Florida, Georgia, Illinois, Indiana, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, New York, and Virginia), representing many different parts of the country ([Table B](#)). Only Montana reported a significant increase in the teen birth rate (18).

In 2008, teenage birth rates ranged from 19.8 in New Hampshire to 65.7 in Mississippi ([Table B and 12](#)). The wide range in state-specific teen rates is consistent with patterns observed in previous years. In 2008, as in previous years, teenage birth rates were lowest in the Northeast and upper Midwest and highest across the South and Southwest (18). Contributing to the variation in state-specific teen birth rates are persistent differences in teenage birth rates among race and Hispanic origin groups; see earlier section on “Age of mother.” Nationally, birth rates are significantly higher for Hispanic and non-Hispanic black teenagers than for non-Hispanic white teenagers. It follows that states with a large proportion of Hispanic or non-Hispanic black teenagers would tend to have higher overall teen birth rates. Widely varying state-specific birth rates for Hispanic and non-Hispanic black teenagers have contributed to some notable exceptions to this pattern, however, as illustrated in a recent analysis of state-specific teenage birth rates (18). For example, California’s teen birth rate is significantly lower than the national rate despite its large proportion of Hispanic teens.

Births to unmarried women

The number of births to unmarried women rose to 1,726,566, about 1 percent more than in 2007. The 2008 total was again a record high for the nation. From 2002 through 2007, nonmarital births rose 26 percent; the increase from 2007 to 2008 was the smallest since 2001–2002 ([Table C](#)). The **birth rate for unmarried women**, which relates nonmarital births to unmarried women in the child-bearing ages, rose slightly in 2008 from 2007, from 52.3 to 52.5 births per 1,000 unmarried women aged 15–44. During the previous

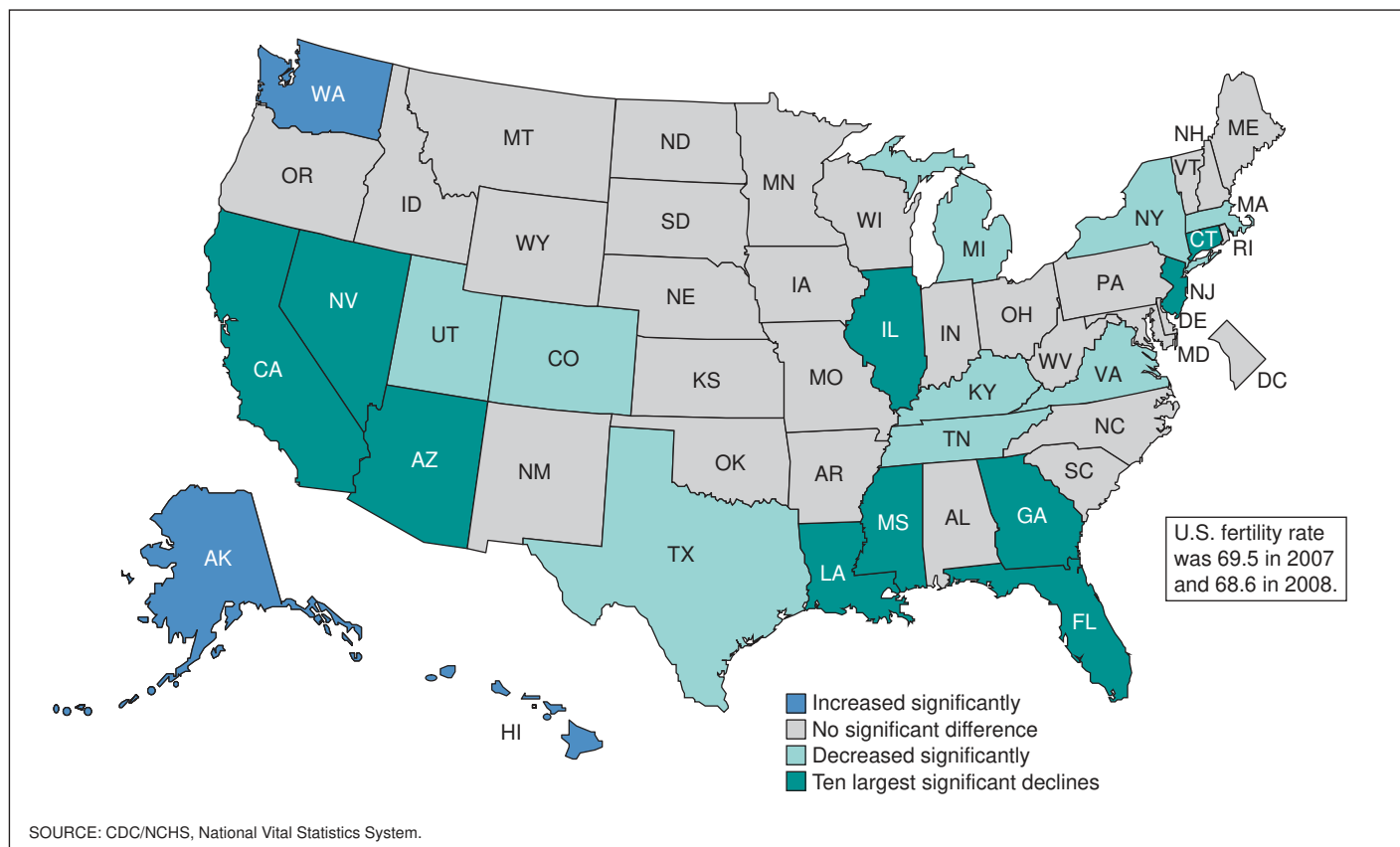


Figure 5. Change in fertility rates: United States, 2007 and 2008

5-year period (2002–2007), the rate rose by 20 percent overall or about 4 percent per year (Tables C, 15, and 16). A third summary measure of nonmarital childbearing is the percentage of all births to unmarried women. This measure rose in 2008 at the same pace as during 2002–2007, to 40.6 percent in 2008. The percentage has been increasing by an average of 3 percent per year since 2002. Measures of nonmarital births had been relatively stable during 1998–2002 (Table C). Contributing to the recent upturn in nonmarital births are the ongoing increases in the birth rate for unmarried women and the growth in the population of unmarried women of childbearing age (19).

The slight increase in the birth rate for unmarried women reflects entirely the increases in rates for women in age groups of 30 and over (Table 16). Rates declined for all women under 30, who account for more than 80 percent of all nonmarital births. The decline for women in their early 20s was the first since 2001–2002. Rates for women aged 30 and over rose by 39 to 46 percent from 2002 through 2008 (Table 16). Nearly one in five nonmarital births in 2008 were to women aged 30 and over, double the proportion in 1980 (9 percent) (Table 15 for 2008 data) (20,21).

Nonmarital birth rates by race and Hispanic origin generally changed little between 2007 and 2008. The rate for non-Hispanic white women (33.7 per 1,000) rose 1 percent, and the rate for black women (72.5) was essentially unchanged. The rate for Hispanic women declined 3 percent to 105.1. The rate for API women was 28.2 per 1,000. Trends by maternal age since 2002 were similar across population groups (Table 16).

In 2008, 40.6 percent of all births were to unmarried women, up from 39.7 percent in 2007 and 34.0 percent in 2002 (Table C).

Majorities of births to teenagers (87 percent) and to women in their early 20s (61 percent) were nonmarital in 2008 (Tables 2 and 15). Twenty percent of births to women aged 30 and over were nonmarital. The proportions of nonmarital births vary widely among population subgroups: 17 percent for API, 29 percent for non-Hispanic white, 53 percent for Hispanic, 66 percent for AIAN, and 72 percent for non-Hispanic black births in 2008.

Proportions of nonmarital births vary considerably across states. In 2008, the proportions by state were lowest in Utah, Colorado, and Idaho (ranging from 20 to 25 percent), while at least half of births in the District of Columbia, Mississippi, New Mexico, and Louisiana were to unmarried women (Internet Table I–4). These variations in large part reflect differences in race and Hispanic origin composition among states.

Age of father

The **birth rate per 1,000 men aged 15–54** was 49.4 in 2008, a 2 percent decline from the 2007 rate (50.3) (Table 17). By age, birth rates fell or were statistically unchanged in 2008 from 2007 for males of all age groups except teens aged 15–19. Birth rates for teenagers increased 2 percent in 2008 to 19.0 from 18.7 in 2007. Birth rates for men aged 20–24 (73.1) and 25–29 (102.2) fell to all-time lows. Rates for men aged 30–34 (105.2) and 35–39 (63.6) also declined in 2008. For men aged 40 or over, rates were essentially unchanged.

By race, birth rates were higher for black men (64.4) than for white men (46.8) in 2008, as in previous years. Much of the difference can be attributed to higher rates for black men under age 30; rates are quite similar for black and white men aged 30–39.

Table B. Birth rates for teenagers aged 15–19 years, by state: United States and each state and territory, 1991, 2005, 2007, and 2008

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

Area	2008	2007	2005	1991	Percent change, 2007–2008	Percent change, 2005–2007	Percent change, 1991–2005	Area	2008	2007	2005	1991	Percent change, 2007–2008	Percent change, 2005–2007	Percent change, 1991–2005
United States ¹	41.5	42.5	40.5	61.8	-2	5	-34	Nebraska	36.5	36.1	34.2	42.4	†	†	-19
Alabama	53.0	54.1	49.7	73.6	†	9	-32	Nevada	53.5	55.3	50.1	74.5	†	10	-33
Alaska	46.8	44.7	37.3	66.0	†	20	-43	New Hampshire	19.8	20.0	17.9	33.1	†	12	-46
Arizona	56.2	61.2	58.2	79.7	-8	5	-27	New Jersey	24.5	25.2	23.4	41.3	†	8	-43
Arkansas	61.8	61.7	59.1	79.5	†	4	-26	New Mexico	64.1	66.1	61.6	79.5	†	7	-23
California	38.4	39.7	38.8	73.8	-3	2	-47	New York	25.2	25.8	26.5	45.5	-2	-3	-42
Colorado	42.5	43.4	42.6	58.3	†	†	-27	North Carolina	49.4	49.9	48.5	70.0	†	3	-31
Connecticut	22.9	23.1	23.3	40.1	†	†	-42	North Dakota	28.6	29.3	29.7	35.5	†	†	-16
Delaware	40.4	40.6	44.0	60.4	†	-8	-27	Ohio	41.0	41.3	38.9	60.5	†	6	-36
District of Columbia	50.9	49.9	63.4	109.6	†	-21	-42	Oklahoma	61.6	61.5	54.2	72.1	†	13	-25
Florida	42.8	45.5	42.4	67.9	-6	7	-38	Oregon	37.2	35.9	33.0	54.8	†	9	-40
Georgia	51.8	54.9	52.7	76.0	-6	4	-31	Pennsylvania	31.5	31.5	30.4	46.7	†	4	-35
Hawaii	42.1	41.3	36.2	59.2	†	14	-39	Rhode Island	28.5	30.0	31.4	44.7	†	†	-30
Idaho	41.2	41.4	37.7	53.9	†	10	-30	South Carolina	53.1	53.6	51.0	72.5	†	5	-30
Illinois	38.1	40.0	38.6	64.5	-5	4	-40	South Dakota	40.0	42.2	37.5	47.6	†	13	-21
Indiana	43.7	45.2	43.2	60.4	-3	5	-28	Tennessee	55.6	56.2	54.9	74.8	†	†	-27
Iowa	33.9	33.2	32.6	42.5	†	†	-23	Texas	63.4	64.2	61.6	78.4	†	4	-21
Kansas	45.6	43.7	41.4	55.4	†	6	-25	Utah	35.1	36.1	33.4	48.0	†	8	-30
Kentucky	55.6	55.1	49.1	68.8	†	12	-29	Vermont	21.3	22.0	18.6	39.2	†	18	-53
Louisiana	54.1	55.9	49.1	76.0	-3	14	-35	Virginia	33.5	35.1	34.4	53.4	-5	†	-36
Maine	26.1	26.9	24.4	43.5	†	10	-44	Washington	34.6	34.8	31.1	53.7	†	12	-42
Maryland	32.8	34.4	31.8	54.1	-5	8	-41	West Virginia	48.8	47.4	43.4	58.0	†	9	-25
Massachusetts	20.1	22.1	21.8	37.5	-9	†	-42	Wisconsin	31.3	32.2	30.3	43.7	†	6	-31
Michigan	33.2	34.2	32.5	58.9	-3	5	-45	Wyoming	49.2	51.9	43.2	54.3	†	20	-20
Minnesota	27.2	28.6	26.1	37.3	-5	10	-30	Puerto Rico	54.9	57.1	61.2	72.4	-4	-7	-15
Mississippi	65.7	71.9	60.5	85.3	-9	19	-29	Virgin Islands	51.1	51.5	50.0	77.9	†	†	-36
Missouri	45.5	45.7	42.5	64.4	†	8	-34	Guam	55.0	60.0	59.2	95.7	†	†	-38
Montana	40.7	36.8	35.2	46.8	11	†	-25	American Samoa	37.1	28.9	34.2	---	†	†	---

† Difference not statistically significant.

--- Data not available.

¹Excludes data for the territories.

NOTE: Population data for computing birth rates were provided by the U.S. Census Bureau. Rates by state may differ from rates computed on the basis of other population estimates.

Information on age of father is often missing on birth certificates of children born to women under age 25 and to unmarried women. In 2008, age of father was not reported for 14 percent of all births, 24 percent of births to all women under age 25, and 33 percent of all nonmarital births. The procedures for computing birth rates by age of father are described in the User Guide (9).

Maternal Lifestyle and Health Characteristics

Medical services utilization

Attendant at birth and place of delivery

In 2008, 99.0 percent of all births were delivered in hospitals. Of all 2008 births, 91.3 percent were delivered by physicians in hospitals (Table 20). Almost all of physician-attended births (94.4 percent) were attended by doctors of medicine (M.D.s) in 2008.

One percent of all births in the United States were out-of-hospital births in 2008. Of the 42,746 out-of-hospital births, nearly two-thirds were in a residence (home) (66.3 percent) and 28.1 percent were in a freestanding birthing center (Table 20). In 2008, midwives attended

61.2 percent of home births. More than 80 percent of home births were to non-Hispanic white women.

In 2008, rates of home birth were greater than 1 percent in 16 states, most of which were in the western United States (data not shown). Montana (2.2 percent) and Vermont (2.0 percent) had the highest rates of home births in 2008. Twenty-one states had a home birth rate equal to or less than 0.5 percent. A recent study of 19 states based on revised birth certificate data showed that more than 80 percent of home births were planned home births (22). Home births are much more common in rural counties (population of less than 100,000) than in counties with larger populations (23).

The 2008 percentage of *all* births attended by midwives was 8.0, very little changed since 2004. For 2008, certified nurse midwives (CNMs) delivered 93.9 percent of all midwife-attended births. This rate has remained at 90 percent or more since 1989. Over 9 out of 10 midwife-attended births occurred in hospitals (91.7 percent in 2008). CNM-attended *hospital* births are more than twice as frequent among AIAN women (16.9 percent) as among Hispanic women (8.1 percent), non-Hispanic white (7.0 percent), and non-Hispanic black women (6.8 percent). Rates were lowest for API women (5.9 percent) (data not shown). See Tables 18 and 19 for total CNM-attended births among AIAN, API, and Hispanic subgroups.

Table C. Births and birth rates for unmarried and married women: United States, 1980, 1985, and 1990–2008

Year	Births to unmarried women			Birth rate for married women ³
	Number	Rate ¹	Percent ²	
2008	1,726,566	52.5	40.6	86.8
2007	1,715,047	52.3	39.7	88.7
2006	1,641,946	50.6	38.5	88.0
2005	1,527,034	47.5	36.9	87.3
2004	1,470,189	46.1	35.8	87.6
2003	1,415,995	44.9	34.6	88.1
2002	1,365,966	43.7	34.0	86.3
2001	1,349,249	43.8	33.5	86.7
2000	1,347,043	44.1	33.2	87.4
1999	1,308,560	43.3	33.0	84.8
1998	1,293,567	43.3	32.8	84.2
1997	1,257,444	42.9	32.4	82.7
1996	1,260,306	43.8	32.4	82.3
1995	1,253,976	44.3	32.2	82.6
1994	1,289,592	46.2	32.6	82.9
1993	1,240,172	44.8	31.0	86.1
1992	1,224,876	44.9	30.1	88.5
1991	1,213,769	45.0	29.5	89.6
1990	1,165,384	43.8	28.0	93.2
1985	828,174	32.8	22.0	93.3
1980	665,747	29.4	18.4	97.0

¹Births to unmarried women per 1,000 unmarried women aged 15–44 years.

²Percentage of all births to unmarried women.

³Births to married women per 1,000 married women aged 15–44.

Method of delivery

The total cesarean delivery rate increased in 2008 for the 12th consecutive year, reaching 32.3 percent (Table 21). This is nearly a 2 percent increase from 31.8 percent in 2007, and a 56 percent increase from the most recent low of 20.7 in 1996 (8). The rate of increase for the total cesarean delivery rate continues to slow, however, since the unprecedented 7 percent rise in 2002 from 2001; by comparison, the rate of increase was 2.3 percent in 2007 from 2006 and 1.6 percent in 2008 from 2007 (8). Data from the National Hospital Discharge Survey show similar trends in cesarean delivery since the mid-1990s (24,25).

Cesarean delivery rates for all maternal age groups rose in 2008 from 2007 (see Table 22 for 2008 data). Rates for most age groups increased 1–2 percent. Births to older women were more likely to be delivered by cesarean; rates for women aged 40 to 54 (49.0 percent) were twice as high as rates for women under age 20 (23.0 percent). This is also the case among singleton births (women aged 40–54 are more likely to have multiple births, which are at higher risk for cesarean delivery).

Cesarean delivery rates for the largest race and ethnic groups increased 1–2 percent in 2008 from 2007 (see Table 22 for 2008 data). Non-Hispanic black women were more likely to deliver by cesarean (34.5 percent) than non-Hispanic white (32.4 percent) and Hispanic (31.0 percent) women. Cesarean delivery rates have been higher for non-Hispanic black women since 1994, the reasons for which remain unclear (26) (Table 21 and Figure 6).

As with the overall rate, cesarean delivery rates by race and Hispanic origin and age of mother are increasing at a slower pace than in recent years. Figure 6 shows the steady rise in cesarean births from the mid- to late 1990s through 2004, followed by the declining pace of

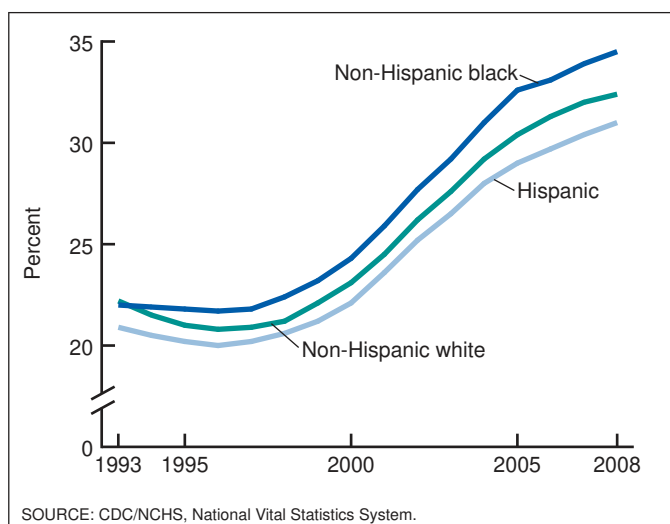


Figure 6. Cesarean delivery, by race and Hispanic origin of mother: United States, 1993–2008

increase from 2005 through 2008. More detail on recent trends in cesarean delivery from 1996 through 2007 is available in a recent report (27).

The cesarean rate has also slowed in recent years in many states. In 2008, 22 states had higher cesarean delivery rates than in 2007 (2.5 percent average increase). In 2007, rates for 28 states and the District of Columbia increased from 2006 by an average of 3.3 percent, and rates in 37 states rose an average of 3.8 percent from 2005. Rates continued to vary greatly by state in 2008, ranging from 22.0 percent in Utah to 38.7 percent in New Jersey. See Internet Table I–7 for state-specific cesarean delivery rates for 2008.

The rise in the total cesarean delivery rate since the mid-1990s has been driven by increases in primary cesarean deliveries and decreases in vaginal births after cesarean delivery (VBAC) (24,28). The increase in primary cesareans and decline in VBACs may have been influenced by shifts in demographics, maternal choice, and other nonclinical factors, as well as VBAC guidelines from the American College of Obstetricians and Gynecologists (ACOG) and increased medico-legal pressure (29–32). Information on primary cesarean and VBAC for the 27 revised-state reporting area will be presented in an upcoming report.

Births delivered by either **forceps or vacuum extraction** decreased again in 2008, to 3.9 percent of births from 4.3 percent in 2007 (Table D). Delivery with forceps decreased to 0.7 percent from 0.8 percent in 2007; vacuum extraction decreased to 3.2 percent from 3.5 percent. There has been a decline in these procedures for the past two decades; in 1990, nearly 1 in 10 births were delivered with either forceps or vacuum compared with less than 1 in 25 in 2008.

Infant Health Characteristics

Period of gestation

The preterm birth rate declined in 2008 for the second year in a row to 12.3 percent, 3 percent lower than the 2007 rate (12.7 percent) and 4 percent lower than in 2006 (12.8 percent) (Tables E, 23, and 24). The preterm birth rate (birth at less than 37 completed weeks of

Table D. Live births delivered by forceps or vacuum extraction: United States, 1990, 1995, 2000, 2005, 2007 and 2008

Year	Forceps	Vacuum extraction	Forceps or vacuum
		Percent	
2008	0.7	3.2	3.9
2007	0.8	3.5	4.3
2005	0.9	3.9	4.8
2000	2.1	4.9	7.0
1995	3.5	5.9	9.4
1990 ¹	5.1	3.9	9.0

¹Excludes data for Oklahoma, which did not require reporting of method of delivery.

gestation per 100 total births) rose more than 20 percent from 1990 through 2006. Declines in 2008 from 2007 were observed among both early (less than 34 weeks) and late (34–36 weeks) preterm births; see [Table E](#). From 1990 through 2006, the early preterm rate had increased modestly (from 3.32 percent), whereas the late preterm rate rose 25 percent (from 7.3 percent) (33,34). See the User Guide for information on gestational age measurement (9).

The risk of poor birth outcome generally declines with advancing gestational age. Although risk is greatest among babies born before the 34th week, infants born late preterm are more likely to suffer delivery complications, long-term impairment, and early death compared with those born later in pregnancy (35–37).

Preterm birth rates declined 3–4 percent from 2007 to 2008 among non-Hispanic white (to 11.1 from 11.5 percent) and non-Hispanic black infants (to 17.5 from 18.3 percent), and 2 percent among Hispanic births (to 12.1 from 12.3 percent) ([Table 24](#)). From 1990 through 2006, preterm rates had risen 38 percent for non-Hispanic white infants and

Table E. Percent distribution of births, by gestational age for all births and singleton births: United States, 1990, 2000, and 2005–2008

Gestational age	All births					
	2008	2007	2006	2005	2000	1990
	Percent					
Under 28 weeks	0.74	0.77	0.76	0.77	0.72	0.71
28–31 weeks	1.24	1.27	1.29	1.26	1.21	1.21
32–33 weeks	1.57	1.60	1.62	1.60	1.49	1.40
Total under 34 weeks	3.56	3.64	3.66	3.63	3.42	3.32
34–36 weeks	8.77	9.04	9.15	9.09	8.22	7.30
Total under 37 weeks	12.33	12.68	12.80	12.73	11.64	10.62
37–38 weeks	27.85	28.60	28.89	28.29	24.50	19.66
39 weeks	26.62	25.85	25.43	25.25	24.32	21.72
40–41 weeks	27.52	27.24	27.20	27.90	32.26	36.68
42 and more weeks	5.68	5.62	5.67	5.84	7.28	11.33
	Singletons					
	Percent					
Under 28 weeks	0.60	0.62	0.61	0.61	0.59	0.61
28–31 weeks	1.00	1.03	1.04	1.02	0.99	1.08
32–33 weeks	1.27	1.29	1.31	1.28	1.22	1.24
Total under 34 weeks	2.87	2.95	2.96	2.91	2.80	2.93
34–36 weeks	7.76	8.03	8.14	8.09	7.33	6.77
Total under 37 weeks	10.63	10.98	11.09	11.00	10.12	9.70
37–38 weeks	27.79	28.59	28.91	28.30	24.38	19.43
39 weeks	27.38	26.59	26.15	25.96	24.89	21.98
40–41 weeks	28.37	28.07	28.03	28.75	33.15	37.35
42 and more weeks	5.83	5.77	5.83	5.99	7.46	11.53

11 percent for Hispanic infants. Among non-Hispanic black infants, preterm birth rates trended slightly downward from 1990 through 2000 (down 8 percent), but rose 6 percent from 2000 through 2006. The 2008 non-Hispanic black preterm rate is the lowest reported since 2000.

The **singleton preterm birth rate** also declined for the second straight year, to 10.6 percent in 2008 from 11.0 percent in 2007. A smaller decline in this rate was reported in 2007 from 2006 (11.1 percent) ([Table E](#)). It is often helpful to examine preterm rates among singleton births only because of the substantial impact of multiple births on the overall preterm birth rate. (See “Multiple births” section for information on the greater likelihood of preterm birth among multiples and recent changes in multiple-birth rates.) Trends in early and late preterm singleton births for 2007 and 2008 were similar to those of all births, that is, significant declines were noted in the percentage of both early (from 2.95 to 2.87 percent) and late (from 8.03 to 7.76 percent) preterm singletons.

Mothers under age 15 and aged 45 and over are most likely to have a preterm delivery ([Table 25](#)). Rates for the youngest and oldest mothers are about twice those of mothers aged 25–34. The preterm rates for older women are strongly influenced by their greater likelihood of having a multiple birth; when singletons births are examined for women aged 45 and over, the preterm birth rate drops from 27.1 percent to 16.7 percent (data not shown).

By state, preterm birth rates ranged from under 10 percent in Idaho, New Hampshire, and Vermont to 18 percent of Mississippi births. A recent report shows significant declines in preterm birth rates for 35 states in 2008 from 2006 (34). State-specific rates by race and Hispanic origin are shown in [Internet Table I–8](#).

“Term” births (37–41 weeks) have traditionally been viewed as a homogenous group (8). There is, however, growing evidence of increased neonatal morbidity among early term (37–38 weeks) infants compared with those born full term (39–41 weeks) (37–39). In response, organizations such as the March of Dimes are recommending that researchers differentiate between *early* and *full-term* births (40). This report follows this recommendation and presents, for the first time, a brief discussion of trends in early and full-term births. [Tables E](#) and [23](#) have also been revised to differentiate between early and full-term births.

The percentage of *early term* births (37–38 weeks) declined 3 percent in 2008 from 2007, to 27.8 from 28.6 percent. A smaller decline in early term infants was also observed in 2007 from 2006 (to 28.6 from 28.9 percent); see [Table E](#) and [Figure 7](#). The rate of early term births had increased nearly 50 percent from 1990 (19.7 percent) through 2006 (28.9 percent). Over the more recent 2006–2008 period, concurrent with the decline in births delivered preterm and early term, the percentage of infants delivered at full term rose from 52.6 to 54.1 percent ([Figure 7](#)).

The rise in preterm and early term births during 1990–2006 may be related, at least in part, to changes in how labor and delivery are managed, that is, more frequent use of induction of labor and cesarean delivery prior to 39 weeks (37,40–42). Recent efforts to reduce “elective” deliveries at less than full term may have contributed to the more recent decline (43,44).

Birthweight

The low birthweight (LBW) rate declined by less than 1 percent in 2008 to 8.18 percent of births from 8.22 percent in 2007. This

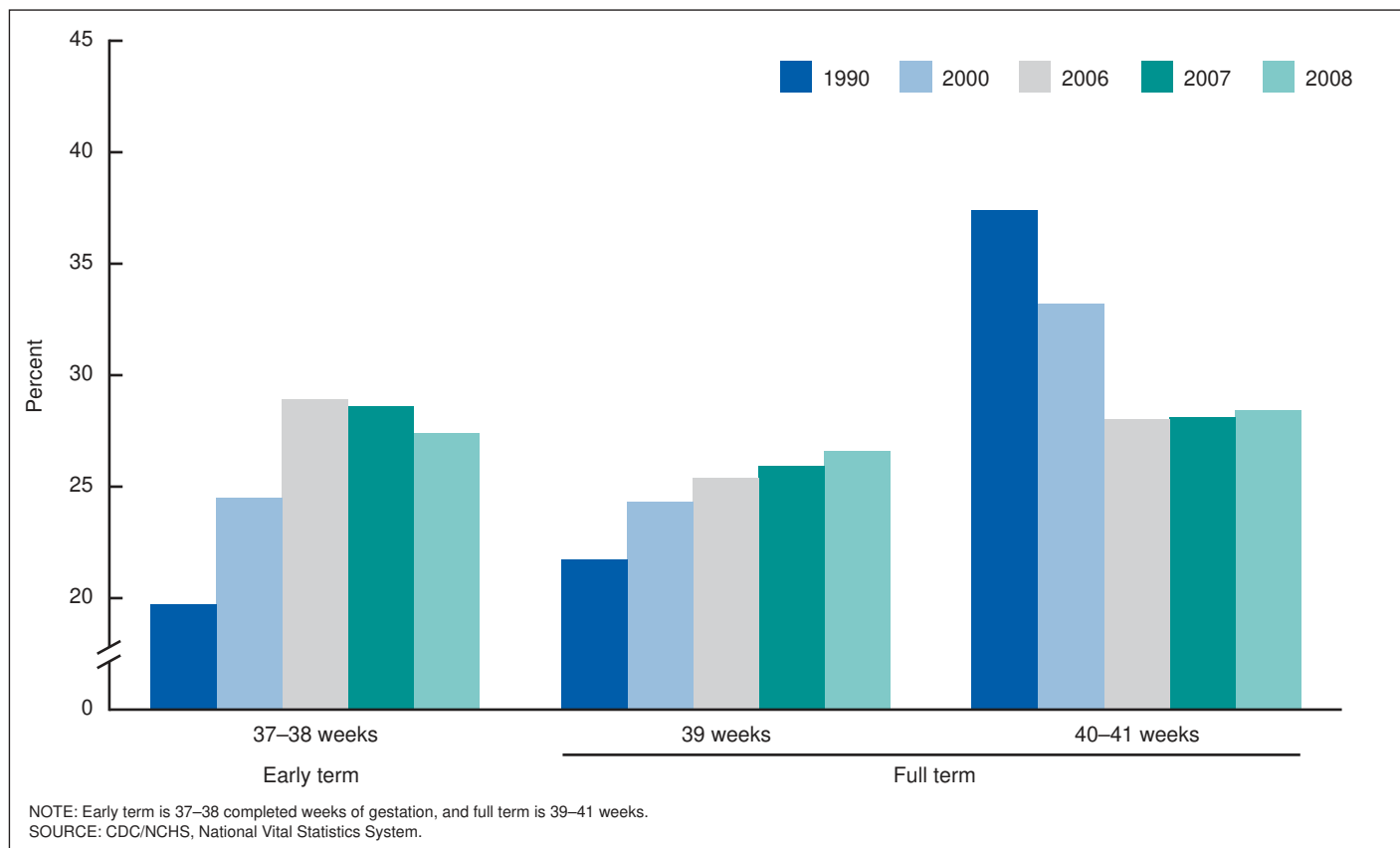


Figure 7. Distribution of early- and full-term births: United States, 1990, 2000, and 2006-2008

change follows a small decline in LBW in 2007 from 2006 (8.26 percent) (Tables 23-25). The percentage of LBW infants, or those born at less than 2,500 grams (5 lb. 8 oz.), rose 24 percent from 1984 through 2006. The decline in LBW in 2008 from 2007 was among very low birthweight (VLBW) infants (less than 1,500 grams), to 1.46 from 1.49 percent; the percentage of infants born at moderately low birthweight (MLBW), or 1,500-2,499 grams, was unchanged at 6.73 percent. (The decline in LBW in 2007 from 2006 was exclusively among MLBW infants [8].)

Infant size at birth is an important predictor of short-term complications and long-term health (45,46). Smaller infants, especially those born at less than 1,500 grams, are at the greatest risk. In 2006, for example, 24 percent of VLBW infants died in the first year of life compared with 0.2 percent of infants born at 2,500 grams and higher (35).

LBW rates declined from 2007 to 2008 among non-Hispanic white (7.2 percent from 7.3 percent) and non-Hispanic black infants (13.7 percent from 13.9 percent); nonstatistically significant declines were observed for the previous period (2007 compared with 2006) for both groups (Table 24). Levels of LBW among Hispanic births (7.0 percent in 2008) have been essentially stable since 2006. From 1990 through 2006, non-Hispanic white LBW rates climbed 30 percent (from 5.6 to 7.3 percent), and Hispanic LBW rates by 15 percent (from 6.1 to 7.0 percent). LBW among non-Hispanic black infants trended slightly downward during the 1990s but rose 7 percent from 2001 through 2006 (from 13.1 to 14.0 percent).

Levels of VLBW were not significantly changed among non-Hispanic white and Hispanic infants in 2008 from 2007 but declined

notably among non-Hispanic black infants, to 3.01 percent from 3.20 percent, the lowest level reported in more than a decade (Table 24). Rates of VLBW had been slowly on the rise for all groups since at least 1990. See Tables 18 and 19 for VLBW and LBW rates for AIAN, API, and Hispanic subgroups.

The LBW rate for singleton births also declined slightly in 2008, to 6.40 percent. This rate was also down slightly in 2007 from 2006 (6.45 percent from 6.49 percent). The singleton LBW rate had risen 10 percent from 1990 through 2006, compared with a rise of 19 percent among all births (Table F). Over the past several decades, national LBW levels have been influenced by the growth in the rate of multiple births, as infants born in multiple deliveries are much more likely to be of LBW than those born in single deliveries; see "Multiple births" section.

Concomitant with the small decline in infants delivered at less than 2,500 grams, the percentage of infants born at 2,500-3,499 grams increased slightly in 2008 from 2006 (57.8 percent from 57.3 percent). Levels at 3,500 grams and higher continued to decline; see Table G. During 1990-2006, a large shift in the birthweight distribution was observed. In brief, births at less than 3,500 grams increased, whereas births at higher weights decreased. The reasons for the shift toward lower birthweights are not fully understood, but due to the strong association between birthweight and gestational age, they may be similar to those suggested for the shift toward shorter gestational ages—that is, obstetric intervention earlier in pregnancy and changing maternal demographics and medical risk profiles (42,47-49).

LBW incidence differed widely by state in 2008, as in previous years. In 2008, levels ranged from 6.0 percent of births in Alaska to

Table F. Percentage of singleton births of very low and low birthweight, by race and Hispanic origin of mother: United States, 1990, 1995, 2000, and 2005–2008

Year	Very low birthweight ¹		Low birthweight ²	
	2008	2007	2008	2007
All races³				
2008	1.11	1.14	6.40	6.45
2007	1.14	1.14	6.49	6.41
2006	1.14	1.11	6.00	6.05
2005	1.14	1.08	6.05	5.90
2000	1.11	1.08	6.05	5.90
1995	1.08	1.08	6.05	5.90
1990	1.05	1.05	5.90	5.90
Non-Hispanic white⁴				
2008	0.82	0.83	5.26	5.32
2007	0.83	0.85	5.37	5.32
2006	0.85	0.84	5.32	4.88
2005	0.84	0.80	4.88	4.87
2000	0.80	0.78	4.87	4.56
1995	0.78	0.73	4.56	4.56
1990	0.73	0.73	4.56	4.56
Non-Hispanic black⁴				
2008	2.49	2.65	11.60	11.78
2007	2.65	2.61	11.78	11.85
2006	2.61	2.71	11.85	11.90
2005	2.71	2.62	11.90	11.28
2000	2.62	2.55	11.28	11.66
1995	2.55	2.54	11.66	11.92
1990	2.54	2.54	11.92	11.92
Hispanic⁵				
2008	0.96	0.97	5.74	5.74
2007	0.97	0.98	5.74	5.79
2006	0.98	0.97	5.79	5.69
2005	0.97	0.94	5.69	5.36
2000	0.94	0.93	5.36	5.36
1995	0.93	0.87	5.36	5.23
1990 ⁶	0.87	0.87	5.23	5.23

¹Less than 1,500 grams (3 lb. 4 oz.).²Less than 2,500 grams (5 lb. 8 oz.).³Includes races other than white and black and origin not stated.⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes."⁵Includes all persons of Hispanic origin of any race.⁶Excludes New Hampshire and Oklahoma, which did not report Hispanic origin.**Table G. Birthweight distribution in 500-gram intervals: United States, 1990, 2006, and 2008**

	Percent			Percent change	
	2008	2006	1990	2006–2008	1990–2006
Total less than 1,000 grams . . .	0.70	0.72	0.63	–3	14
1,000–1,499 grams	0.75	0.76	0.65	–1	17
1,500–1,999 grams	1.58	1.63	1.33	–3	23
2,000–2,499 grams	5.14	5.15	4.37	0	18
2,500–2,999 grams	18.57	18.44	16.03	1	15
3,000–3,499 grams	39.20	38.87	36.71	1	6
3,500–3,999 grams	26.41	26.61	29.40	–1	–9
4,000–4,499 grams	6.60	6.75	9.10	–2	–26
4,500–4,999 grams	0.92	0.96	1.59	–4	–40
5,000 grams or more	0.10	0.11	0.19	–9	–42

11.8 percent of births in Mississippi. [Internet Tables I–9](#) and [I–10](#) show LBW and VLBW rates by state, territory, and race and Hispanic origin.

Multiple births

The **twin birth rate** rose 1 percent in 2008, to 32.6 twins per 1,000 births from 32.2 in 2007. The twinning rate climbed 70 percent from 1980 through 2004 (from 18.9 to 32.2) but was essentially stable from 2004 through 2007 ([Tables 26](#) and [27](#)). There were 138,660 infants born in twin deliveries in 2008, only slightly fewer than in 2007 (138,961).

The 2008 **triplet and higher-order multiple (triplet/+) birth rate** was 147.6 per 100,000 births, not statistically lower than the 2007 rate (148.9) ([Tables 26](#) and [27](#)). The triplet/+ birth rate (number of triplets, quadruplets, and quintuplets and other higher-order multiples per 100,000 births) rose more than 400 percent during the 1980s and 1990s before peaking in 1998 at 193.5. Since 1998, however, the triplet/+ rate has trended downward, with the bulk of the decline occurring since 2003; the 2008 rate was 24 percent lower than that for 1998 ([Figure 1](#)).

There were 6,268 triplet/+ births in 2008, the lowest number reported in more than a decade. The 2008 triplet/+ total included 5,877 triplets, 345 quadruplets, and 46 quintuplets and higher-order multiples.

The risk of adverse short- and long-term birth outcome increases with the number of infants in a multigestation pregnancy. For example, in 2008, 1 percent of singletons compared with 10 percent of twins and 36 percent of triplets were born at less than 1,500 grams, or 3 lb. 4 oz. ([Table H](#)). Infants born in multiple deliveries are more likely than singletons to die in infancy (35) or to suffer lifelong morbidities (50).

In the late 1990s, in an effort to reduce the incidence of higher-order, multiple-gestation pregnancies, the American Society of Reproductive Medicine published guidelines (subsequently updated) on the number of embryos to be transferred in *in vitro* fertilization (IVF) cycles (51–53). Recent research suggests that the number of embryos transferred has since declined (54,55). The earlier large and extended rise in multiple-birth rates during the 1980s and 1990s, particularly the incidence of triplet/+ births, has been associated with two related trends, older age at childbearing and the growing use of fertility-enhancing therapies (56,57).

All of the increase in the overall twin birth rate in 2008 from 2007 was among births to women aged 30 and over; rates were up 2 percent for women in their 30s and 7 percent for women aged 40 and over. In 2008, 6 percent of all births to women aged 40–44 and 22 percent of births to women aged 45 and over was a twin, compared with less than 2 percent of births to teenaged mothers ([Table 26](#)).

In 2008, the twinning rate rose from 2007 among non-Hispanic white women (36.6 from 36.2 per 1,000) but was essentially unchanged for non-Hispanic black (36.8) and Hispanic women (22.3) ([Table 27](#)). Since 1990, rates have risen 60 percent for non-Hispanic white women compared with rises of 38 percent for non-Hispanic black and 24 percent for Hispanic women.

No significant changes in triplet/+ birth rates were observed in 2008 from 2007 among the three race and Hispanic origin groups: non-Hispanic white (198.1 per 100,000), non-Hispanic black (91.3), and Hispanic women (80.1) ([Table 27](#)). National trends in triplet/+ births largely reflect trends in triplet/+ births to non-Hispanic white mothers, which have long comprised the bulk of all triplet/+ births (72 percent of all triplet births in 2008). From 1990 through 1998, the triplet/+ rate

Table H. Gestational age and birthweight characteristics, by plurality: United States, 2008

	Twins	Triplets	Quadruplets	Quintuplets and higher-order multiples ¹	Singletons
Number	138,660	5,877	345	46	4,102,766
Percentage very preterm ²	11.6	38.5	56.5	89.1	1.6
Percentage preterm ³	58.9	93.1	92.2	95.7	10.6
Mean gestational age in weeks (standard deviation)	35.3 (3.6)	32.0 (3.9)	30.7 (3.9)	28.5 (4.3)	38.7 (2.4)
Percentage very low birthweight ⁴	10.1	36.1	59.9	82.2	1.1
Percentage low birthweight ⁵	57.0	94.6	98.6	93.3	6.4
Mean birthweight in grams (standard deviation)	2,330 (628)	1,666 (567)	1,371 (489)	1,253 (806)	3,296 (561)

¹Quintuplets, sextuplets, and higher-order multiple births are not differentiated in the national data set.

²Less than 32 completed weeks of gestation.

³Less than 37 completed weeks of gestation.

⁴Less than 1,500 grams.

⁵Less than 2,500 grams.

for non-Hispanic whites rose nearly threefold (up 193 percent), whereas rates for non-Hispanic black and Hispanic mothers increased about 90 percent. Since 1998, the non-Hispanic white triplet/+ rate is down by about one-third, whereas non-Hispanic black and Hispanic triplet/+ rates have fluctuated only modestly.

State-specific twin and triplet/+ birth rates for combined years 2006–2008 are shown in [Internet Table I–11](#). By state, twinning rates ranged from a low of 24.7 per 1,000 in New Mexico to a high of 43.5 in New Jersey. Triplet/+ rates ranged from 68.7 per 100,000 (Alaska) to 260.3 (New Jersey).

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TABLE:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Geographic area:														
States ¹										10	11	12		
United States or all reporting areas	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Years:														
Current year only		2	3			6	7			10	11	12	13	14
Trend	1			4	5			8	9					
Type of entry:														
Number of births	1	2			5	6				10	11		13	14
Rates or other measures	1		3	4	5		7	8	9			12	13	14
Characteristics:														
Age of father														
Age of mother		2	3	4		6	7	8				12		
Apgar score ²														
Attendant at birth														
Birthweight														
Gestational age														
Hispanic origin of mother					³⁵	³⁶	³⁷	³⁸	⁴⁹		³¹¹			³¹⁴
Live-birth order		2	3			6	7		9				13	14
Mean age of mother													13	14
Method of delivery														
Multiple births														
Nativity													13	14
Obstetric procedures														
Place of delivery														
Race of father														
Race of mother	⁵¹	⁵²	⁵³	⁵⁴	³⁵	³⁶	³⁷	³⁸	⁴⁹	⁵¹⁰	³¹¹		⁵¹³	³¹⁴
Risk factors in this pregnancy														
Sex of child													13	14
Teenage mothers													13	14
Unmarried mothers													13	14
Weight gain during pregnancy														

See footnotes at end of table.

Guide to Tables in 'Births Final Data for 2008'—Con.

TABLE:	15	16	17	18	19	20	21	22	23	24	25	26	27
Geographic area:													
States ¹													
United States or all reporting areas . . .	15	16	17	18	19	20	21	22	23	24	25	26	27
Years:													
Current year only	15			18	19	20		22	23		25	26	
Trend		16	17				21			24			27
Type of entry:													
Number of births	15					20	21	22	23		25	26	27
Rates or other measures	15	16	17	18	19		21	22	23	24	25	26	27
Characteristics:													
Age of father			17										
Age of mother	15	16						22			25	26	
Apgar score ²				18	19								
Attendant at birth				18	19	20							
Birthweight				18	19				23	24	25		
Gestational age				18	19				23	24	25		
Hispanic origin of mother	⁶ 15	⁷ 16			³ 19	⁴ 20	⁴ 21	⁴ 22	⁴ 23	⁴ 24	⁴ 25	⁴ 26	⁴ 27
Live-birth order													
Mean age of mother													
Method of delivery				18	19		21	22					
Multiple births				18	19							26	27
Nativity													
Obstetric procedures				18	19								
Place of delivery						20							
Race of father			⁸ 17										
Race of mother	⁶ 15	⁷ 16		⁵ 18	³ 19	⁴ 20	⁴ 21	⁴ 22	⁴ 23	⁴ 24	⁴ 25	⁴ 26	⁴ 27
Risk factors in this pregnancy				18	19								
Sex of child													
Teenage mothers													
Unmarried mothers	15	16											
Weight gain during pregnancy				18	19								

See footnotes at end of table.

Guide to Tables in ‘Births Final Data for 2008’—Con.

TABLE	I-1	I-2	I-3	I-4	I-5	I-6	I-7	I-8	I-9	I-10	I-11
Geographic area:											
States ¹				I-4			I-7	I-8	I-9	I-10	
United States or all reporting areas	I-1	I-2	I-3	I-4	I-5	I-6	I-7	I-8	I-9	I-10	I-11
Years:											
Current year only		I-2	I-3	I-4	I-5	I-6	I-7	I-8	I-9	I-10	I-11
Trend	I-1										
Type of entry:											
Number of births		I-2	I-3	I-4	I-5	I-6		I-8	I-9	I-10	I-11
Rates or other measures	I-1	I-2	I-3	I-4	I-5	I-6	I-7	I-8	I-9	I-10	I-11
Characteristics:											
Age of mother						I-6					
Birthweight								I-9	I-10		
Characteristics of labor and delivery						I-6					
Congenital anomalies						I-6					
Day of week			I-3								
Gestational age					I-5			I-8			
Hispanic origin of mother	⁴ I-1			⁴ I-4	⁴ I-5	⁴ I-6	⁴ I-7	⁴ I-8	⁴ I-9	⁴ I-10	
Live-birth order	I-1										
Mean age of mother	I-1										
Method of delivery			I-3				I-7				
Month of birth		I-2									
Multiple births											I-11
Obstetric procedures						I-6					
Race of father											
Race of mother	⁴ I-1			⁴ I-4	⁴ I-5	⁴ I-6	⁴ I-7	⁴ I-8	⁴ I-9	⁴ I-10	
Risk factors in this pregnancy						I-6					
Unmarried mothers				I-4							
Weight gain during pregnancy					I-5						

¹Includes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.

²Clinical indicator of neonate's need for and response to resuscitation.

³Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, total non-Hispanic, non-Hispanic white, and non-Hispanic black.

⁴Includes non-Hispanic white, non-Hispanic black, and Hispanic.

⁵Includes white, black, American Indian or Alaska Native, and Asian or Pacific Islander.

⁶Includes white, non-Hispanic white, black, non-Hispanic black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.

⁷Includes white, non-Hispanic white, black, Asian or Pacific Islander, and Hispanic.

⁸Includes white and black.

Table 1. Births and birth rates, by race: United States, specified years 1940–1955 and each year 1960–2008—Con.

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

Year	Number					Birth rate					Fertility rate				
	All races ¹	White	Black	American Indian or Alaska Native	Asian or Pacific Islander	All races ¹	White	Black	American Indian or Alaska Native	Asian or Pacific Islander	All races ¹	White	Black	American Indian or Alaska Native	Asian or Pacific Islander
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.

¹For 1960–1991, includes births to races not shown separately. For 1992 and later years, unknown race of mother is imputed; see “Technical Notes.”

²Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see Reference 9.

³Based on a 50 percent sample of births.

⁴Based on a 20 percent to 50 percent sample of births.

⁵Figures by race exclude New Jersey.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see “Technical Notes.” Multiple-race reporting areas vary for 2003–2008; see “Technical Notes.” In this table, all women, including Hispanic women, are classified only according to their race; see “Technical Notes.”

Table 3. Birth rates, by age of mother, live-birth order, and race of mother: United States, 2008

[Rates are births per 1,000 women in specified age and racial group. Fertility rate computed by relating total births, regardless of age of mother, to women aged 15–44 years. Population estimated as of July 1. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	Age of mother										
	15–44 years	10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
			Total	15–17 years	18–19 years						
All races	68.6	0.6	41.5	21.7	70.6	103.0	115.1	99.3	46.9	9.8	0.7
1st child	27.7	0.6	33.5	19.6	54.0	50.5	41.8	28.2	10.6	2.2	0.2
2nd child	21.6	0.0	6.8	1.9	14.0	34.2	38.1	34.3	15.3	2.8	0.2
3rd child	11.5	*	1.0	0.1	2.3	13.4	21.7	20.8	10.9	2.1	0.1
4th child	4.7	*	0.1	0.0	0.3	3.8	8.9	9.4	5.4	1.2	0.1
5th child	1.8	*	0.0	*	0.0	0.9	3.1	3.7	2.3	0.6	0.0
6th and 7th child	1.0	*	0.0	*	0.0	0.2	1.4	2.3	1.7	0.6	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.6	0.7	0.4	0.0
White	67.8	0.4	37.8	19.3	65.0	99.2	116.6	101.8	47.2	9.7	0.6
1st child	27.2	0.4	30.8	17.6	50.3	49.6	42.8	28.6	10.6	2.1	0.2
2nd child	21.7	0.0	6.1	1.6	12.6	33.3	39.4	35.3	15.3	2.7	0.2
3rd child	11.5	*	0.8	0.1	1.9	12.3	22.0	21.9	11.2	2.0	0.1
4th child	4.6	*	0.1	0.0	0.2	3.2	8.5	9.7	5.5	1.2	0.1
5th child	1.6	*	0.0	*	0.0	0.7	2.7	3.6	2.3	0.6	0.0
6th and 7th child	0.9	*	*	*	*	0.2	1.1	2.1	1.6	0.6	0.0
8th child and over	0.3	*	*	*	*	0.0	0.1	0.4	0.6	0.4	0.0
Black	71.9	1.4	63.4	35.2	105.6	132.3	107.2	75.6	37.0	8.9	0.6
1st child	28.5	1.4	50.1	31.4	78.1	58.7	28.9	16.2	6.9	1.7	0.1
2nd child	20.4	0.0	11.0	3.5	22.3	43.1	33.1	21.8	10.1	2.2	0.1
3rd child	12.3	*	2.0	0.3	4.5	20.5	23.9	17.5	8.7	1.9	0.1
4th child	5.9	*	0.3	0.0	0.6	7.3	12.3	9.9	5.2	1.3	0.1
5th child	2.6	*	0.0	*	0.1	2.1	5.4	5.0	2.6	0.7	0.1
6th and 7th child	1.7	*	*	*	*	0.6	3.3	3.8	2.3	0.7	0.1
8th child and over	0.5	*	*	*	*	0.0	0.5	1.2	1.1	0.4	0.0
American Indian or Alaska Native	64.6	0.9	58.4	32.5	96.6	115.6	94.4	63.8	28.8	6.4	0.4
1st child	23.2	0.9	45.3	28.8	69.5	45.4	19.7	9.5	3.8	0.7	*
2nd child	17.5	*	10.7	3.3	21.6	40.2	26.2	15.0	5.9	1.0	*
3rd child	11.5	*	2.1	0.3	4.8	20.1	23.2	14.5	6.3	1.1	*
4th child	6.4	*	0.2	*	0.6	7.6	14.3	10.9	4.7	1.0	*
5th child	3.1	*	*	*	*	1.8	6.7	6.7	3.4	0.8	*
6th and 7th child	2.2	*	*	*	*	0.5	3.9	5.6	3.2	1.1	*
8th child and over	0.7	*	*	*	*	*	0.4	1.6	1.6	0.6	*
Asian or Pacific Islander	71.3	0.2	16.2	7.9	28.4	64.4	120.1	126.8	66.8	15.2	1.2
1st child	32.7	0.2	13.3	7.2	22.3	39.0	66.1	51.9	19.6	4.0	0.4
2nd child	25.1	*	2.5	0.6	5.2	17.6	36.3	51.3	27.6	5.4	0.3
3rd child	8.8	*	0.3	*	0.8	5.6	11.5	15.8	12.6	3.1	0.2
4th child	2.9	*	0.0	*	*	1.7	4.0	4.8	4.3	1.4	0.1
5th child	1.0	*	*	*	*	0.5	1.4	1.7	1.4	0.6	0.1
6th and 7th child	0.6	*	*	*	*	0.1	0.7	1.0	0.9	0.4	0.1
8th child and over	0.2	*	*	*	*	*	0.1	0.3	0.3	0.2	0.0

0.0 Quantity more than zero but less than 0.05.

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

¹Birth rates are computed by relating births to women aged 45 and over to women aged 45–49; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." In this table, all women, including Hispanic women, are classified only according to their race; see "Technical Notes."

Table 4. Birth rates, by age of mother: United States, 1970–2008, and by age and race of mother: United States, 1980–2008

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

Year and race	Total fertility rate	Age of mother									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
			Total	15–17 years	18–19 years						
All races²											
2008	2,084.5	0.6	41.5	21.7	70.6	103.0	115.1	99.3	46.9	9.8	0.7
2007	2,122.0	0.6	42.5	22.1	73.9	106.3	117.5	99.9	47.5	9.5	0.6
2006	2,100.5	0.6	41.9	22.0	73.0	105.9	116.7	97.7	47.3	9.4	0.6
2005	2,053.5	0.7	40.5	21.4	69.9	102.2	115.5	95.8	46.3	9.1	0.6
2004	2,045.5	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
2003	2,042.5	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7	0.5
2002	2,013.0	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5
2001	2,034.0	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1	0.5
2000	2,056.0	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0	0.5
1999	2,007.5	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4	0.4
1998	1,999.0	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4	0.4
1997	1,971.0	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1	0.4
1996	1,976.0	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8	0.3
1995	1,978.0	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6	0.3
1994	2,001.5	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4	0.3
1993	2,019.5	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1	0.3
1992	2,046.0	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9	0.3
1991	2,062.5	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5	0.2
1990	2,081.0	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
1988	1,934.0	1.3	53.0	33.6	79.9	110.2	114.4	74.8	28.1	4.8	0.2
1987	1,872.0	1.3	50.6	31.7	78.5	107.9	111.6	72.1	26.3	4.4	0.2
1986	1,837.5	1.3	50.2	30.5	79.6	107.4	109.8	70.1	24.4	4.1	0.2
1985	1,844.0	1.2	51.0	31.0	79.6	108.3	111.0	69.1	24.0	4.0	0.2
1984 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											
2008	2,066.5	0.4	37.8	19.3	65.0	99.2	116.6	101.8	47.2	9.7	0.6
2007	2,111.5	0.5	38.8	19.7	68.1	102.8	119.4	102.7	48.1	9.4	0.6
2006	2,096.0	0.5	38.2	19.4	67.5	102.5	119.1	100.9	48.2	9.2	0.6
2005	2,056.0	0.5	37.0	18.9	64.7	99.2	118.3	99.3	47.3	9.0	0.6
2004	2,054.5	0.5	37.7	19.5	65.0	99.2	118.6	99.1	46.4	8.9	0.5
2003	2,061.0	0.5	38.3	19.8	66.2	100.6	119.5	99.3	44.8	8.7	0.5
2002	2,027.5	0.5	39.4	20.5	68.0	101.6	117.4	95.5	42.4	8.2	0.5
2001	2,040.0	0.5	41.2	21.4	70.8	103.7	117.0	95.8	41.3	8.0	0.5
2000	2,051.0	0.6	43.2	23.3	72.3	106.6	116.7	94.6	40.2	7.9	0.4
1999	2,007.5	0.6	44.0	24.4	73.0	105.0	114.9	90.7	38.5	7.4	0.4
1998	1,991.0	0.6	44.9	25.6	74.1	105.4	113.6	88.5	37.5	7.3	0.4
1997	1,955.0	0.7	45.5	26.6	75.0	104.5	111.3	85.7	36.1	6.9	0.3
1996	1,960.5	0.7	47.5	28.0	77.6	105.3	111.7	84.6	35.3	6.7	0.3
1995	1,954.5	0.8	49.5	29.6	80.2	104.7	111.7	83.3	34.2	6.4	0.3
1994	1,957.5	0.8	50.5	30.4	81.2	105.0	113.0	82.2	33.5	6.2	0.3
1993	1,961.5	0.8	50.6	30.0	81.5	106.1	114.7	81.3	32.6	5.9	0.3
1992	1,978.0	0.8	51.4	29.9	83.2	107.7	116.9	80.8	32.1	5.7	0.2

See footnotes at end of table.

Table 4. Birth rates, by age of mother: United States, 1970–2008, and by age and race of mother: United States, 1980–2008—Con.

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

Year and race	Total fertility rate	Age of mother									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
			Total	15–17 years	18–19 years						
White—Con.											
1991	1,988.0	0.8	52.6	30.5	83.3	108.8	118.0	80.2	31.8	5.2	0.2
1990	2,003.0	0.7	50.8	29.5	78.0	109.8	120.7	81.7	31.5	5.2	0.2
1989	1,931.0	0.7	47.9	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2
1988	1,856.5	0.6	44.4	26.0	69.6	103.7	114.8	75.4	27.7	4.5	0.2
1987	1,804.5	0.6	42.5	24.6	68.9	102.3	112.3	73.0	25.9	4.1	0.2
1986	1,776.0	0.6	42.3	23.8	70.1	102.7	110.8	70.9	23.9	3.8	0.2
1985	1,787.0	0.6	43.3	24.4	70.4	104.1	112.3	69.9	23.3	3.7	0.2
1984 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											
2008	2,132.0	1.4	63.4	35.2	105.6	132.3	107.2	75.6	37.0	8.9	0.6
2007	2,168.0	1.5	64.9	36.1	110.7	135.9	109.6	75.4	36.9	8.8	0.6
2006	2,154.5	1.5	64.6	36.6	110.2	135.8	109.4	74.0	36.6	8.5	0.5
2005	2,070.5	1.7	62.0	35.5	104.9	129.9	105.9	70.3	35.3	8.5	0.5
2004	2,032.5	1.6	63.3	37.2	104.4	127.7	103.6	67.9	34.0	7.9	0.5
2003	1,999.0	1.6	63.8	38.2	103.7	126.1	100.4	66.5	33.2	7.7	0.5
2002	1,991.0	1.8	66.6	40.0	107.6	127.1	99.0	64.4	31.5	7.4	0.4
2001	2,051.0	2.0	71.8	43.9	114.0	133.2	99.2	64.8	31.6	7.2	0.4
2000	2,129.0	2.3	77.4	49.0	118.8	141.3	100.3	65.4	31.5	7.2	0.4
1999	2,082.5	2.5	79.1	50.5	120.6	137.9	97.3	62.7	30.2	6.5	0.3
1998	2,111.5	2.8	83.5	55.4	124.8	138.4	97.5	63.2	30.0	6.6	0.3
1997	2,091.5	3.1	86.3	59.3	127.7	135.2	95.0	62.6	29.3	6.5	0.3
1996	2,088.5	3.5	89.6	63.3	130.5	133.2	94.3	62.0	28.7	6.1	0.3
1995	2,127.5	4.1	94.4	68.5	135.0	133.7	95.6	63.0	28.4	6.0	0.3
1994	2,258.5	4.5	102.9	75.1	146.2	142.9	101.5	65.0	28.7	5.9	0.3
1993	2,351.0	4.5	107.3	78.9	150.2	150.2	106.4	66.6	29.0	5.9	0.3
1992	2,416.0	4.6	111.3	80.5	156.3	156.2	109.7	67.0	28.6	5.6	0.2
1991	2,462.0	4.7	114.8	83.5	157.6	159.7	112.0	67.3	28.2	5.5	0.2
1990	2,480.0	4.9	112.8	82.3	152.9	160.2	115.5	68.7	28.1	5.5	0.3
1989	2,432.5	5.1	111.5	81.9	151.9	156.8	114.4	66.3	26.7	5.4	0.3
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
American Indian or Alaska Native											
2008	1,843.5	0.9	58.4	32.5	96.6	115.6	94.4	63.8	28.8	6.4	0.4
2007	1,866.5	0.9	59.3	31.8	101.6	116.8	96.4	64.0	29.5	6.1	0.3
2006	1,829.0	0.9	55.0	30.7	93.0	115.4	97.8	61.8	28.4	6.1	0.4
2005	1,750.0	0.9	52.7	30.5	87.6	109.2	93.8	60.1	27.0	6.0	0.3
2004	1,734.5	0.9	52.5	30.0	87.0	109.7	92.8	58.0	26.8	6.0	0.2
2003	1,731.5	1.0	53.1	30.6	87.3	110.0	93.5	57.4	25.4	5.5	0.4
2002	1,735.0	0.9	53.8	30.7	89.2	112.6	91.8	56.4	25.4	5.8	0.3
2001	1,746.5	1.0	56.3	31.4	94.8	115.0	90.4	55.9	24.7	5.7	0.3
2000	1,772.5	1.1	58.3	34.1	97.1	117.2	91.8	55.5	24.6	5.7	0.3
1999	1,783.5	1.4	59.9	36.5	98.0	120.7	90.6	53.8	24.3	5.7	0.3
1998	1,851.0	1.5	64.7	39.7	106.9	125.1	92.0	56.8	24.6	5.3	*
1997	1,834.5	1.5	65.2	41.0	107.1	122.5	91.6	56.0	24.4	5.4	0.3
1996	1,855.0	1.6	68.2	42.7	113.3	123.5	91.1	56.5	24.4	5.5	*

See footnotes at end of table.

Table 4. Birth rates, by age of mother: United States, 1970–2008, and by age and race of mother: United States, 1980–2008—Con.

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

Year and race	Total fertility rate	Age of mother									
		10–14 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
			Total	15–17 years	18–19 years						
American Indian or Alaska Native—Con.											
1995	1,878.5	1.6	72.9	44.6	122.2	123.1	91.6	56.5	24.3	5.5	*
1994	1,950.0	1.8	76.4	48.4	123.7	126.5	98.2	56.6	24.8	5.4	0.3
1993	2,048.5	1.4	79.8	51.5	126.3	134.2	103.5	59.5	25.5	5.6	*
1992	2,135.5	1.6	82.4	52.3	130.5	142.3	107.0	61.0	26.7	5.9	*
1991	2,142.5	1.6	84.1	51.9	134.2	143.8	105.6	60.8	26.4	5.8	0.4
1990	2,184.5	1.6	81.1	48.5	129.3	148.7	110.3	61.5	27.5	5.9	*
1989	2,248.5	1.5	82.7	51.6	128.9	152.4	114.2	64.8	27.4	6.4	*
1988	2,155.0	1.7	77.5	49.7	121.1	145.2	110.9	64.5	25.6	5.3	*
1987	2,100.5	1.7	77.2	48.8	122.2	140.0	107.9	63.0	24.4	5.6	*
1986	2,083.0	1.8	78.1	48.7	125.3	138.8	107.9	60.7	23.8	5.3	*
1985	2,129.5	1.7	79.2	47.7	124.1	139.1	109.6	62.6	27.4	6.0	*
1984 ³	2,137.5	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 ³	2,182.0	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 ³	2,215.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 ³	2,092.5	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 ³	2,165.0	1.9	82.2	51.5	129.5	143.7	106.6	61.8	28.1	8.2	*
Asian or Pacific Islander											
2008	2,054.5	0.2	16.2	7.9	28.4	64.4	120.1	126.8	66.8	15.2	1.2
2007	2,039.0	0.2	16.9	8.2	29.9	65.5	118.0	125.4	66.3	14.4	1.1
2006	1,919.0	0.2	17.0	8.8	29.5	63.2	108.4	116.9	63.0	14.1	1.0
2005	1,889.0	0.2	17.0	8.2	30.1	61.1	107.9	115.0	61.8	13.8	1.0
2004	1,897.5	0.2	17.3	8.9	29.6	59.8	108.6	116.9	62.1	13.6	1.0
2003	1,873.0	0.2	17.4	8.8	29.8	59.6	108.5	114.6	59.9	13.5	0.9
2002	1,819.5	0.3	18.3	9.0	31.5	60.4	105.4	109.6	56.5	12.5	0.9
2001	1,840.0	0.2	19.8	10.3	32.8	59.1	106.4	112.6	56.7	12.3	0.9
2000	1,892.0	0.3	20.5	11.6	32.6	60.3	108.4	116.5	59.0	12.6	0.8
1999	1,754.5	0.4	21.4	12.4	33.9	58.9	100.8	104.3	52.9	11.3	0.9
1998	1,731.5	0.5	22.2	13.8	34.5	59.2	98.7	101.6	51.4	11.8	0.9
1997	1,757.5	0.5	22.3	14.0	34.9	61.2	101.6	102.5	51.0	11.5	0.9
1996	1,787.0	0.6	23.5	14.7	36.8	63.5	102.8	104.1	50.2	11.9	0.8
1995	1,795.5	0.7	25.5	15.6	40.1	64.2	103.7	102.3	50.1	11.8	0.8
1994	1,834.0	0.7	26.6	16.3	41.3	66.4	108.0	102.2	50.4	11.5	1.0
1993	1,841.5	0.7	26.5	16.1	41.2	68.1	110.3	101.2	49.4	11.2	0.9
1992	1,894.5	0.7	26.5	15.4	41.9	71.7	114.6	102.7	50.7	11.1	0.9
1991	1,928.0	0.8	27.3	16.3	42.2	73.8	118.9	103.3	49.2	11.2	1.1
1990	2,002.5	0.7	26.4	16.0	40.2	79.2	126.3	106.5	49.6	10.7	1.1
1989	1,947.5	0.6	25.6	15.0	40.4	78.8	124.0	102.3	47.0	10.2	1.0
1988	1,983.5	0.6	24.2	13.6	39.6	80.7	128.0	104.4	47.5	10.3	1.0
1987	1,886.0	0.6	22.4	12.6	37.0	79.7	122.7	97.0	44.2	9.5	1.1
1986	1,836.0	0.5	22.8	12.1	38.8	79.2	119.9	92.6	41.9	9.3	1.0
1985	1,885.0	0.4	23.8	12.5	40.8	83.6	123.0	93.6	42.7	8.7	1.2
1984 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; based on fewer than 20 births in numerator.

¹Beginning in 1997, rates are computed by relating births to women aged 45 years and over to women aged 45–49; see “Technical Notes.”

²For 1970–1991, includes births to races not shown separately. For 1992 and later years, unknown race of mother is imputed; see “Technical Notes.”

³Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see Reference 9.

⁴Based on a 50 percent sample of births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see “Technical Notes.” Multiple-race reporting areas vary for 2003–2008; see “Technical Notes.” In this table, all women, including Hispanic women, are classified only according to their race; see “Technical Notes.”

Table 5. Births and birth rates, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008

[Birth rates are births per 1,000 population in specified group. Fertility rates are births per 1,000 women aged 15–44 years in specified group. Population enumerated as of April 1 for census years, and estimated as of July 1 for all other years]

Measure and year	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
2008	4,247,694	1,041,239	684,883	69,015	16,718	155,578	115,045	3,173,629	2,267,817	623,029
2007	4,316,233	1,062,779	722,055	68,488	16,981	169,851	85,404	3,222,460	2,310,333	627,191
2006	4,265,555	1,039,077	718,146	66,932	16,936	165,321	71,742	3,196,082	2,308,640	617,247
2005	4,138,349	985,505	693,197	63,340	16,064	151,201	61,703	3,123,005	2,279,768	583,759
2004	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683	578,772
2003	4,089,950	912,329	654,504	58,400	14,867	135,586	48,972	3,149,034	2,321,904	576,033
2002	4,021,726	876,642	627,505	57,465	14,232	125,981	51,459	3,119,944	2,298,156	578,335
2001	4,025,933	851,851	611,000	57,568	14,017	121,365	47,901	3,149,572	2,326,578	589,917
2000	4,058,814	815,868	581,915	58,124	13,429	113,344	49,056	3,199,994	2,362,968	604,346
1999	3,959,417	764,339	540,674	57,138	13,088	103,307	50,132	3,147,580	2,346,450	588,981
1998	3,941,553	734,661	516,011	57,349	13,226	98,226	49,849	3,158,975	2,361,462	593,127
1997	3,880,894	709,767	499,024	55,450	12,887	97,405	45,001	3,115,174	2,333,363	581,431
1996	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099
1995	3,899,589	679,768	469,615	54,824	12,473	94,996	47,860	3,160,495	2,382,638	587,781
1994	3,952,767	665,026	454,536	57,240	11,889	93,485	47,876	3,245,115	2,438,855	619,198
1993	4,000,240	654,418	443,733	58,102	11,916	92,371	48,296	3,295,345	2,472,031	641,273
1992 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										
2008 ⁶	14.0	22.2	22.1	16.7	10.2	26.6	(⁶)	12.5	11.3	16.4
2007 ⁶	14.3	23.4	24.3	17.4	10.2	25.0	(⁶)	12.7	11.6	16.6
2006 ⁶	14.2	23.4	24.8	17.6	10.4	23.9	(⁶)	12.6	11.6	16.5
2005 ⁶	14.0	23.1	24.7	17.2	10.2	22.8	(⁶)	12.4	11.5	15.7
2004 ⁶	14.0	22.9	24.9	16.1	9.3	22.2	(⁶)	12.5	11.6	15.8
2003 ⁶	14.1	22.9	24.7	15.1	9.9	23.0	(⁶)	12.7	11.8	15.9
2002 ⁶	13.9	22.6	24.2	16.5	10.0	22.4	(⁶)	12.6	11.7	16.1
2001 ⁶	14.1	23.0	24.8	17.8	10.3	21.8	(⁶)	12.8	11.8	16.6
2000 ⁶	14.4	23.1	25.0	18.1	9.7	21.8	(⁶)	13.2	12.2	17.3
1999 ⁶	14.2	22.5	24.2	18.0	9.4	21.7	(⁶)	13.0	12.1	17.1
1998 ⁶	14.3	22.7	24.6	17.9	9.7	21.7	(⁶)	13.2	12.2	17.5
1997 ⁶	14.2	23.0	25.3	17.2	10.0	21.3	(⁶)	13.1	12.2	17.4
1996 ⁶	14.4	23.8	26.2	17.2	10.6	22.5	(⁶)	13.3	12.3	17.6
1995 ⁶	14.6	24.1	25.8	19.0	10.8	24.2	(⁶)	13.5	12.5	18.2
1994 ⁶	15.0	24.7	26.1	20.8	10.7	24.9	(⁶)	13.9	12.8	19.5
1993 ⁶	15.4	25.4	26.8	21.5	10.5	26.3	(⁶)	14.3	13.1	20.7
1992 ^{3,6}	15.8	26.1	27.4	22.9	10.1	27.5	(⁶)	14.8	13.4	21.6
1991 ^{3,6}	16.2	26.5	27.6	23.3	9.8	28.3	(⁶)	15.2	13.9	22.4
1990 ^{4,6}	16.7	26.7	28.7	21.6	10.9	27.5	(⁶)	15.7	14.4	23.0
1989 ^{5,6}	16.3	26.2	25.7	23.7	10.0	28.3	(⁶)	15.4	14.2	22.8

See footnotes at end of table.

Table 5. Births and birth rates, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008—Con.

[Birth rates are births per 1,000 population in specified group. Fertility rates are births per 1,000 women aged 15–44 years in specified group. Population enumerated as of April 1 for census years, and estimated as of July 1 for all other years]

Measure and year	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Fertility rate										
2008 ⁶	68.6	98.8	98.9	71.5	53.3	116.1	(⁶)	62.4	59.4	71.1
2007 ⁶	69.5	102.2	107.8	73.6	49.7	104.9	(⁶)	62.9	60.1	71.6
2006 ⁶	68.5	101.5	109.0	74.0	49.3	98.6	(⁶)	62.0	59.5	70.6
2005 ⁶	66.7	99.4	107.7	72.1	50.4	93.2	(⁶)	60.4	58.3	67.2
2004 ⁶	66.3	97.8	106.8	68.4	53.2	89.3	(⁶)	60.5	58.4	67.0
2003 ⁶	66.1	96.9	105.5	61.6	61.7	91.2	(⁶)	60.5	58.5	67.1
2002 ⁶	64.8	94.4	102.8	65.4	59.0	86.1	(⁶)	59.6	57.4	67.4
2001 ⁶	65.3	96.0	105.7	72.2	56.7	82.7	(⁶)	60.1	57.7	69.1
2000 ⁶	65.9	95.9	105.1	73.5	49.3	85.1	(⁶)	61.1	58.5	71.4
1999 ⁶	64.4	93.0	101.5	71.1	47.0	84.8	(⁶)	60.0	57.7	69.9
1998 ⁶	64.3	93.2	103.2	69.7	46.5	83.5	(⁶)	60.0	57.6	70.9
1997 ⁶	63.6	94.2	106.6	65.8	53.1	80.6	(⁶)	59.3	56.8	70.3
1996 ⁶	64.1	97.5	110.7	66.5	55.1	84.2	(⁶)	59.6	57.1	70.7
1995 ⁶	64.6	98.8	109.9	71.3	52.2	89.1	(⁶)	60.2	57.5	72.8
1994 ⁶	65.9	100.7	109.9	78.2	53.6	93.2	(⁶)	61.6	58.2	77.5
1993 ⁶	67.0	103.3	110.9	79.8	53.9	101.5	(⁶)	62.7	58.9	81.5
1992 ^{3,6}	68.4	106.1	113.3	87.9	49.4	104.7	(⁶)	64.2	60.0	84.5
1991 ^{3,6}	69.3	106.9	114.9	87.9	47.6	105.5	(⁶)	65.2	60.9	87.0
1990 ^{4,6}	71.0	107.7	118.9	82.9	52.6	102.7	(⁶)	67.1	62.8	89.0
1989 ^{5,6}	69.2	104.9	106.6	86.6	49.8	95.8	(⁶)	65.7	60.5	84.8

¹Includes origin not stated.

²Includes races other than white and black.

³Excludes data for New Hampshire, which did not report Hispanic origin.

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

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

⁶Rates for the Central and South American population include other and unknown Hispanic.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes." 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 6. Births, by age of mother, live-birth order, and Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2008

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	Age of mother														
	All ages	Under 15 years	15-19 years						20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years
			Total	15 years	16 years	17 years	18 years	19 years							
Hispanic															
Total	1,041,239	2,326	144,914	7,226	17,095	28,551	40,901	51,141	293,054	281,319	199,984	97,235	21,242	1,113	52
1st child	368,783	2,274	113,182	6,925	15,719	24,238	31,442	34,858	127,491	71,414	36,679	14,578	2,972	182	11
2d child	310,332	35	26,521	250	1,234	3,834	8,053	13,150	104,049	94,316	57,121	23,709	4,360	210	11
3d child	204,475	5	3,994	13	64	337	1,086	2,494	43,880	69,800	55,617	26,123	4,846	199	11
4th child	94,109	-	470	1	3	20	108	338	12,471	29,805	30,167	17,135	3,860	190	11
5th child	35,565	-	51	-	1	5	14	31	2,877	10,009	11,955	8,255	2,272	141	5
6th child	13,445	-	5	-	-	1	1	3	637	3,059	4,539	3,764	1,357	84	-
7th child	5,275	-	2	-	-	1	1	-	116	995	1,728	1,701	694	38	1
8th child and over	3,846	-	7	-	-	1	3	3	66	416	1,082	1,450	762	62	1
Not stated	5,409	12	682	37	74	114	193	264	1,467	1,505	1,096	520	119	7	1
Mexican															
Total	684,883	1,619	99,545	5,090	12,091	19,891	28,089	34,384	196,763	184,831	128,163	60,475	12,828	633	26
1st child	228,158	1,579	77,026	4,879	11,075	16,802	21,319	22,951	81,126	41,145	18,785	7,079	1,343	71	4
2d child	200,675	28	18,910	179	917	2,782	5,789	9,243	72,243	61,516	33,514	12,266	2,101	93	4
3d child	142,244	4	2,841	8	47	226	786	1,774	31,023	49,437	38,920	17,031	2,882	103	3
4th child	68,271	-	329	1	3	14	73	238	8,885	21,474	22,240	12,533	2,673	127	10
5th child	26,085	-	37	-	1	3	9	24	2,034	7,245	8,819	6,202	1,652	93	3
6th child	9,776	-	3	-	-	-	1	2	457	2,159	3,300	2,766	1,025	66	-
7th child	3,886	-	2	-	-	1	1	-	84	719	1,247	1,283	526	25	-
8th child and over	2,710	-	6	-	-	-	3	3	35	282	744	1,029	564	49	1
Not stated	3,078	8	391	23	48	63	108	149	876	854	594	286	62	6	1
Puerto Rican															
Total	69,015	153	11,781	529	1,185	2,226	3,426	4,415	21,502	17,607	11,317	5,438	1,156	59	2
1st child	28,143	151	9,377	507	1,104	1,935	2,718	3,113	9,668	4,918	2,638	1,127	249	15	-
2d child	20,524	1	1,987	17	76	254	605	1,035	7,291	5,772	3,523	1,644	290	15	1
3d child	11,737	-	312	2	3	27	73	207	3,209	3,976	2,650	1,312	267	10	1
4th child	4,977	-	36	-	-	1	9	26	956	1,808	1,347	666	154	10	-
5th child	1,904	-	4	-	-	-	1	3	215	666	609	321	86	3	-
6th child	788	-	1	-	-	-	-	1	54	268	265	149	49	2	-
7th child	321	-	-	-	-	-	-	-	9	82	118	82	27	3	-
8th child and over	263	-	-	-	-	-	-	-	8	31	95	103	25	1	-
Not stated	358	1	64	3	2	9	20	30	92	86	72	34	9	-	-
Cuban															
Total	16,718	10	1,297	48	99	198	367	585	3,963	4,114	4,201	2,566	534	32	1
1st child	7,817	10	1,102	46	95	180	318	463	2,513	1,855	1,505	674	150	8	-
2d child	5,865	-	167	1	4	16	43	103	1,067	1,472	1,788	1,159	204	8	-
3d child	2,094	-	20	-	-	1	4	15	286	560	608	503	108	8	1
4th child	602	-	3	-	-	-	1	2	63	149	194	154	37	2	-
5th child	172	-	-	-	-	-	-	-	19	42	53	42	12	4	-
6th child	48	-	-	-	-	-	-	-	3	8	19	11	7	-	-
7th child	24	-	-	-	-	-	-	-	1	3	8	5	5	2	-
8th child and over	24	-	-	-	-	-	-	-	-	4	8	5	7	-	-
Not stated	72	-	5	1	-	1	1	2	11	21	18	13	4	-	-
Central and South American															
Total	155,578	209	12,906	546	1,338	2,326	3,601	5,095	36,653	45,130	36,597	19,252	4,547	274	10
1st child	58,212	207	10,517	532	1,249	2,021	2,924	3,791	18,667	14,776	9,250	3,898	835	59	3
2d child	49,667	1	2,018	10	75	264	582	1,087	12,258	15,934	12,302	5,864	1,222	65	3
3d child	28,241	-	258	1	5	26	66	160	4,319	9,211	8,489	4,829	1,082	51	2
4th child	11,584	-	22	-	-	2	4	16	973	3,472	3,930	2,505	643	39	-
5th child	4,190	-	4	-	-	-	2	2	184	1,016	1,508	1,100	344	33	1
6th child	1,637	-	-	-	-	-	-	-	28	285	571	547	194	12	-
7th child	590	-	-	-	-	-	-	-	1	77	197	210	98	6	1
8th child and over	449	-	-	-	-	-	-	-	15	26	105	190	104	9	-
Not stated	1,008	1	87	3	9	13	23	39	208	333	245	109	25	-	-

See footnotes at end of table.

Table 6. Births, by age of mother, live-birth order, and Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2008—Con.

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	Age of mother														
	All ages	Under 15 years	15–19 years						20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
			Total	15 years	16 years	17 years	18 years	19 years							
Other and unknown Hispanic . . .	115,045	335	19,385	1,013	2,382	3,910	5,418	6,662	34,173	29,637	19,706	9,504	2,177	115	13
1st child	46,453	327	15,160	961	2,196	3,300	4,163	4,540	15,517	8,720	4,501	1,800	395	29	4
2d child	33,601	5	3,439	43	162	518	1,034	1,682	11,190	9,622	5,994	2,776	543	29	3
3d child	20,159	1	563	2	9	57	157	338	5,043	6,616	4,950	2,448	507	27	4
4th child	8,675	–	80	–	–	3	21	56	1,594	2,902	2,456	1,277	353	12	1
5th child	3,214	–	6	–	–	2	2	2	425	1,040	966	590	178	8	1
6th child	1,196	–	1	–	–	1	–	–	95	339	384	291	82	4	–
7th child	454	–	–	–	–	–	–	–	21	114	158	121	38	2	–
8th child and over	400	–	1	–	–	1	–	–	8	73	130	123	62	3	–
Not stated	893	2	135	7	15	28	41	44	280	211	167	78	19	1	–
Non-Hispanic															
Total ¹	3,173,629	3,395	286,883	9,715	24,141	47,937	83,292	121,798	752,271	905,976	748,920	386,641	83,339	5,781	423
1st child	1,321,985	3,318	233,774	9,369	22,507	42,314	68,655	90,929	381,339	356,866	230,950	94,179	19,782	1,633	144
2d child	1,011,089	46	44,073	279	1,423	4,882	12,425	25,064	241,317	297,030	268,690	133,323	25,037	1,465	108
3d child	495,917	1	6,509	13	66	396	1,561	4,473	90,960	152,712	142,254	85,452	16,931	1,033	65
4th child	195,073	–	730	1	7	32	155	535	25,876	61,043	59,393	38,103	9,317	574	37
5th child	71,598	–	83	–	1	6	8	68	6,247	21,369	23,515	15,592	4,452	318	22
6th child	29,852	–	12	–	–	2	2	8	1,339	7,771	10,447	7,562	2,497	209	15
7th child	13,818	–	9	–	1	2	3	3	291	2,611	5,028	4,216	1,540	117	6
8th child and over	14,879	–	6	–	–	1	3	2	183	1,376	4,157	5,583	3,177	377	20
Not stated	19,418	30	1,687	53	136	302	480	716	4,719	5,198	4,486	2,631	606	55	6
White	2,267,817	1,104	168,684	4,256	12,083	26,652	49,733	75,960	511,758	670,814	562,032	287,453	61,268	4,393	311
1st child	952,478	1,088	141,248	4,152	11,518	24,223	42,394	58,961	272,082	275,393	175,358	70,955	14,983	1,265	106
2d child	740,746	11	23,628	88	499	2,172	6,462	14,407	165,091	226,229	205,760	100,142	18,650	1,158	77
3d child	354,166	1	2,822	4	18	132	622	2,046	55,560	109,519	108,524	64,552	12,358	776	54
4th child	130,565	–	252	–	1	11	51	189	13,206	39,444	42,726	27,823	6,669	419	26
5th child	43,957	–	25	–	–	3	5	17	2,597	11,966	15,281	10,747	3,109	215	17
6th child	17,377	–	3	–	–	–	1	2	479	3,611	6,401	4,988	1,734	149	12
7th child	7,884	–	2	–	–	–	1	1	92	1,038	2,896	2,753	1,022	78	3
8th child and over	9,100	–	3	–	–	1	2	–	112	487	2,139	3,704	2,351	293	11
Not stated	11,544	4	701	12	47	110	195	337	2,539	3,127	2,947	1,789	392	40	5
Black	623,029	2,131	104,559	4,940	10,828	18,888	29,715	40,188	198,116	156,472	98,062	50,506	12,377	751	55
1st child	244,340	2,072	81,704	4,715	9,854	16,021	23,225	27,889	86,532	41,419	20,744	9,368	2,310	175	16
2d child	174,211	34	18,128	177	843	2,419	5,269	9,420	63,783	47,546	27,964	13,559	3,055	131	11
3d child	105,085	–	3,284	7	38	241	851	2,147	30,588	34,419	22,297	11,735	2,628	128	6
4th child	50,876	–	431	1	6	17	94	313	11,033	17,875	12,681	6,999	1,748	101	8
5th child	22,298	–	52	–	–	3	3	46	3,216	7,882	6,551	3,583	935	77	2
6th child	10,111	–	9	–	–	2	1	6	768	3,515	3,257	1,974	541	44	3
7th child	4,854	–	7	–	1	2	2	2	180	1,365	1,744	1,150	378	28	2
8th child and over	4,718	–	3	–	–	–	1	2	64	780	1,663	1,520	622	60	6
Not stated	6,536	25	941	40	86	183	269	363	1,952	1,671	1,161	618	160	7	1

– Quantity zero.

¹Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." 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. Birth rates, by age of mother, live-birth order, and Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2008

[Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Birth rates are births per 1,000 women in specified age and racial group. Populations estimated as of July 1. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	Age of mother										
	15–44 years ¹	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	98.8	1.2	77.5	46.1	127.2	170.7	152.6	109.6	56.1	13.7	0.9
1st child	35.2	1.2	60.8	41.1	92.1	74.6	38.9	20.2	8.5	1.9	0.1
2nd child	29.6	0.0	14.3	4.7	29.4	60.9	51.4	31.5	13.8	2.8	0.2
3rd child	19.5	*	2.1	0.4	5.0	25.7	38.1	30.6	15.2	3.2	0.2
4th child	9.0	*	0.3	0.0	0.6	7.3	16.3	16.6	9.9	2.5	0.1
5th child	3.4	*	0.0	*	0.1	1.7	5.5	6.6	4.8	1.5	0.1
6th and 7th child	1.8	*	*	*	*	0.4	2.2	3.5	3.2	1.3	0.1
8th child and over	0.4	*	*	*	*	0.0	0.2	0.6	0.8	0.5	0.0
Mexican	98.9	1.2	78.7	48.5	124.6	170.9	148.3	106.0	53.5	13.9	0.8
1st child	33.1	1.2	61.1	43.0	88.7	70.8	33.2	15.6	6.3	1.5	0.1
2nd child	29.1	0.0	15.0	5.1	30.1	63.0	49.6	27.8	10.9	2.3	0.1
3rd child	20.6	*	2.3	0.4	5.1	27.1	39.9	32.3	15.1	3.1	0.1
4th child	9.9	*	0.3	*	0.6	7.8	17.3	18.5	11.1	2.9	0.2
5th child	3.8	*	0.0	*	0.1	1.8	5.8	7.3	5.5	1.8	0.1
6th and 7th child	2.0	*	*	*	*	0.5	2.3	3.8	3.6	1.7	0.1
8th child and over	0.4	*	*	*	*	0.0	0.2	0.6	0.9	0.6	0.1
Puerto Rican	71.5	0.8	61.7	31.5	*	132.1	122.5	68.6	38.8	7.1	0.4
1st child	29.3	0.8	49.3	28.5	*	59.7	34.4	16.1	8.1	1.5	*
2nd child	21.4	*	10.5	2.8	*	45.0	40.4	21.5	11.8	1.8	*
3rd child	12.2	*	1.6	0.3	*	19.8	27.8	16.2	9.4	1.7	*
4th child	5.2	*	0.2	*	*	5.9	12.6	8.2	4.8	1.0	*
5th child	2.0	*	*	*	*	1.3	4.7	3.7	2.3	0.5	*
6th and 7th child	1.2	*	*	*	*	0.4	2.4	2.3	1.7	0.5	*
8th child and over	0.3	*	*	*	*	*	0.2	0.6	0.7	0.2	*
Cuban	53.3	*	*	*	*	*	*	*	*	*	*
1st child	25.0	*	*	*	*	*	*	*	*	*	*
2nd child	18.8	*	*	*	*	*	*	*	*	*	*
3rd child	6.7	*	*	*	*	*	*	*	*	*	*
4th child	1.9	*	*	*	*	*	*	*	*	*	*
5th child	0.6	*	*	*	*	*	*	*	*	*	*
6th and 7th child	0.2	*	*	*	*	*	*	*	*	*	*
8th child and over	0.1	*	*	*	*	*	*	*	*	*	*
Other Hispanic ³	116.1	1.5	88.7	52.3	144.3	200.0	183.5	141.4	71.8	16.6	1.1
1st child	45.2	1.5	71.0	46.9	107.8	97.2	58.1	34.8	14.3	3.1	0.3
2nd child	36.0	*	15.1	4.9	30.7	66.7	63.2	46.3	21.7	4.4	0.3
3rd child	20.9	*	2.3	0.5	5.0	26.6	39.1	34.0	18.3	3.9	0.2
4th child	8.8	*	0.3	*	0.7	7.3	15.8	16.2	9.5	2.5	0.1
5th child	3.2	*	*	*	*	1.7	5.1	6.3	4.2	1.3	0.1
6th and 7th child	1.7	*	*	*	*	0.4	2.0	3.3	2.9	1.0	0.1
8th child and over	0.4	*	*	*	*	0.1	0.2	0.6	0.8	0.4	*
Non-Hispanic⁴											
Total ⁵	62.4	0.4	33.6	16.2	59.0	89.3	107.0	96.8	45.1	9.2	0.6
1st child	26.2	0.4	27.6	14.8	46.1	45.6	42.4	30.1	11.1	2.2	0.2
2nd child	20.0	0.0	5.2	1.3	10.8	28.8	35.2	34.9	15.6	2.8	0.2
3rd child	9.8	*	0.8	0.1	1.7	10.9	18.1	18.5	10.0	1.9	0.1
4th child	3.9	*	0.1	0.0	0.2	3.1	7.3	7.7	4.5	1.0	0.1
5th child	1.4	*	0.0	*	0.0	0.8	2.5	3.1	1.8	0.5	0.0
6th and 7th child	0.9	*	0.0	*	*	0.2	1.2	2.0	1.4	0.4	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.7	0.4	0.0

See footnotes at end of table.

Table 7. Birth rates, by age of mother, live-birth order, and Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2008—Con.

[Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Birth rates are births per 1,000 women in specified age and racial group. Populations estimated as of July 1. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	Age of mother										
	15–44 years ¹	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						
White	59.4	0.2	26.7	11.5	48.5	80.7	106.0	98.7	44.7	8.8	0.6
1st child	25.1	0.2	22.4	10.8	39.3	43.1	43.7	31.0	11.1	2.2	0.2
2nd child	19.5	*	3.8	0.7	8.1	26.2	35.9	36.3	15.6	2.7	0.2
3rd child	9.3	*	0.5	0.0	1.0	8.8	17.4	19.1	10.1	1.8	0.1
4th child	3.4	*	0.0	*	0.1	2.1	6.3	7.5	4.3	1.0	0.1
5th child	1.2	*	0.0	*	0.0	0.4	1.9	2.7	1.7	0.4	0.0
6th and 7th child	0.7	*	*	*	*	0.1	0.7	1.7	1.2	0.4	0.0
8th child and over	0.2	*	*	*	*	0.0	0.1	0.4	0.6	0.3	0.0
Black	71.1	1.4	62.8	34.8	104.6	130.6	105.7	74.9	36.7	8.8	0.6
1st child	28.2	1.4	49.6	31.0	77.2	57.7	28.3	16.1	6.9	1.7	0.1
2nd child	20.1	0.0	11.0	3.5	22.1	42.4	32.4	21.6	10.0	2.2	0.1
3rd child	12.1	*	2.0	0.3	4.5	20.3	23.5	17.2	8.6	1.9	0.1
4th child	5.9	*	0.3	0.0	0.6	7.3	12.2	9.8	5.1	1.3	0.1
5th child	2.6	*	0.0	*	0.1	2.2	5.4	5.1	2.6	0.7	0.1
6th and 7th child	1.7	*	*	*	*	0.6	3.3	3.9	2.3	0.7	0.1
8th child and over	0.5	*	*	*	*	0.0	0.5	1.3	1.1	0.4	0.0

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for Hispanic subgroups, fewer than 75,000 women in the denominator; see Reference 9. Guidelines for denominator size follow U.S. Census Bureau recommendations.

0.0 Quantity more than zero but less than 0.05.

¹Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44.

²Birth rates are computed by relating births to women aged 45 and over to women aged 45–49; see "Technical Notes."

³Includes Central and South American and other and unknown Hispanic.

⁴Includes origin not stated.

⁵Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." 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. Birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008

[Fertility rates are births per 1,000 women aged 15–44 years in specified group. Birth rates are births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin and 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												
2008	2,084.5	68.6	0.6	41.5	21.7	70.6	103.0	115.1	99.3	46.9	9.8	0.7
2007	2,122.0	69.5	0.6	42.5	22.1	73.9	106.3	117.5	99.9	47.5	9.5	0.6
2006	2,100.5	68.5	0.6	41.9	22.0	73.0	105.9	116.7	97.7	47.3	9.4	0.6
2005	2,053.5	66.7	0.7	40.5	21.4	69.9	102.2	115.5	95.8	46.3	9.1	0.6
2004	2,045.5	66.3	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
2003	2,042.5	66.1	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7	0.5
2002	2,013.0	64.8	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5
2001	2,034.0	65.3	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1	0.5
2000	2,056.0	65.9	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0	0.5
1999	2,007.5	64.4	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4	0.4
1998	1,999.0	64.3	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4	0.4
1997	1,971.0	63.6	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1	0.4
1996	1,976.0	64.1	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8	0.3
1995	1,978.0	64.6	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6	0.3
1994	2,001.5	65.9	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4	0.3
1993	2,019.5	67.0	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1	0.3
1992	2,046.0	68.4	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9	0.3
1991	2,062.5	69.3	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5	0.2
1990	2,081.0	70.9	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	69.2	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
Hispanic												
Total:												
2008	2,911.5	98.8	1.2	77.5	46.1	127.2	170.7	152.6	109.6	56.1	13.7	0.9
2007	2,995.0	102.2	1.2	81.8	47.9	137.2	178.6	155.7	111.0	56.5	13.4	0.8
2006	2,959.5	101.5	1.3	83.0	47.9	139.7	177.0	152.4	108.5	55.6	13.3	0.8
2005	2,885.0	99.4	1.3	81.7	48.5	134.6	170.0	149.2	106.8	54.2	13.0	0.8
2004	2,824.5	97.8	1.3	82.6	49.7	133.5	165.3	145.6	104.1	52.9	12.4	0.7
2003	2,785.5	96.9	1.3	82.3	49.7	132.0	163.4	144.4	102.0	50.8	12.2	0.7
2002	2,718.0	94.4	1.4	83.4	50.7	133.0	164.3	139.4	95.1	47.8	11.5	0.7
2001	2,748.5	96.0	1.6	86.4	52.8	135.5	163.5	140.4	97.6	47.9	11.6	0.7
2000	2,730.0	95.9	1.7	87.3	55.5	132.6	161.3	139.9	97.1	46.6	11.5	0.6
1999	2,649.0	93.0	1.9	86.8	56.9	129.5	157.3	135.8	92.3	44.5	10.6	0.6
1998	2,652.5	93.2	1.9	87.9	58.5	131.5	159.3	136.1	90.5	43.4	10.8	0.6
1997	2,680.5	94.2	2.1	89.6	61.1	132.4	162.6	137.5	89.6	43.4	10.7	0.6
1996	2,772.0	97.5	2.4	94.6	64.2	140.0	170.2	140.7	91.3	43.9	10.7	0.6
1995	2,798.5	98.8	2.6	99.3	68.3	145.4	171.9	140.4	90.5	43.7	10.7	0.6
1994	2,839.0	100.7	2.6	101.3	69.9	147.5	175.7	142.4	91.1	43.4	10.7	0.6
1993	2,894.5	103.3	2.6	101.8	68.5	151.1	180.0	146.0	93.2	44.1	10.6	0.6
1992 ³	2,957.5	106.1	2.5	103.3	68.9	153.9	185.2	148.8	94.8	45.3	11.0	0.6
1991 ³	2,963.5	106.9	2.4	104.6	69.2	155.5	184.6	150.0	95.1	44.7	10.7	0.6
1990 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

See footnotes at end of table.

Table 8. Birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008—Con.

[Fertility rates are births per 1,000 women aged 15–44 years in specified group. Birth rates are births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin and 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						
Mexican:												
2008	2,866.5	98.9	1.2	78.7	48.5	124.6	170.9	148.3	106.0	53.5	13.9	0.8
2007	3,107.5	107.8	1.3	88.7	53.8	143.8	191.0	156.5	112.5	56.9	13.8	0.8
2006	3,107.5	109.0	1.4	92.9	53.9	157.8	191.4	154.8	109.9	56.5	13.8	0.8
2005	3,055.5	107.7	1.4	93.4	55.4	156.3	183.2	154.4	108.3	56.3	13.3	0.8
2004	3,021.0	106.8	1.4	95.5	58.4	152.4	180.0	153.5	106.2	54.3	12.6	0.7
2003	2,957.5	105.5	1.5	93.2	56.9	148.8	176.9	151.5	104.7	50.2	12.8	0.7
2002	2,879.5	102.8	1.5	94.5	58.6	147.5	176.9	144.5	97.9	47.5	12.3	0.8
2001	2,928.5	105.7	1.7	95.4	59.3	147.0	177.0	146.4	101.9	50.0	12.6	0.7
2000	2,906.5	105.1	1.9	95.4	60.6	146.7	174.9	144.7	102.3	49.2	12.2	0.7
1999	2,823.0	101.5	2.1	94.3	60.8	145.6	170.8	141.4	97.4	47.2	10.7	0.7
1998	2,878.0	103.2	2.1	96.4	62.9	149.2	176.5	147.4	94.9	46.9	10.8	0.6
1997	2,957.0	106.6	2.3	103.4	71.3	151.6	180.9	150.0	95.3	47.4	11.5	0.6
1996	3,052.0	110.7	2.6	112.2	77.7	161.6	185.3	154.7	96.5	46.4	12.0	0.7
1995	3,033.5	109.9	2.7	115.9	79.1	170.7	190.4	146.6	93.0	45.5	11.9	0.7
1994	3,024.0	109.9	2.7	109.2	73.6	163.3	189.1	153.6	92.5	45.3	11.7	0.7
1993	3,041.5	110.9	2.5	103.6	68.4	156.6	187.9	159.5	97.2	45.5	11.3	0.8
1992 ³	3,107.0	113.3	2.4	105.1	---	---	196.6	160.2	97.1	47.4	11.8	0.8
1991 ³	3,103.5	114.9	2.5	108.3	70.0	164.7	192.4	156.1	99.7	49.1	11.9	0.7
1990 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:												
2008	2,160.0	71.5	0.8	61.7	31.5	*	132.1	122.5	68.6	38.8	7.1	0.4
2007	2,222.5	73.6	0.9	67.1	35.4	*	151.0	110.3	66.5	40.9	7.4	0.4
2006	2,167.0	74.0	1.0	69.3	38.1	*	138.7	102.4	72.9	39.9	8.6	0.6
2005	2,137.5	72.1	1.0	63.3	37.2	*	131.0	110.4	77.5	36.0	7.9	0.4
2004	2,056.5	68.4	0.9	62.6	38.9	*	139.1	102.2	66.4	32.8	6.8	0.5
2003	1,841.0	61.6	1.0	60.8	35.9	*	127.9	86.6	55.6	29.5	6.4	0.4
2002	1,947.5	65.4	1.4	61.4	39.7	*	136.5	90.6	61.5	31.3	6.3	0.5
2001	2,165.0	72.2	1.7	82.2	*	*	147.2	93.6	70.5	30.7	6.7	0.4
2000	2,178.5	73.5	1.7	82.9	54.7	120.4	149.5	101.6	61.1	32.0	6.6	0.3
1999	2,104.5	71.1	1.6	74.0	49.4	*	146.0	106.5	58.0	27.3	7.2	0.3
1998	2,043.5	69.7	1.8	76.2	51.7	*	146.7	88.7	61.9	25.8	7.2	0.4
1997	1,931.5	65.8	1.7	68.9	45.0	*	136.0	92.9	54.1	26.1	6.2	0.4
1996	1,965.0	66.5	1.9	76.5	48.6	*	133.7	95.6	54.3	25.2	5.6	*
1995	2,078.0	71.3	2.9	82.8	57.3	*	138.1	97.9	61.2	26.9	5.5	0.3
1994	2,341.5	78.2	3.1	99.6	68.8	*	169.0	103.8	59.5	27.5	5.6	0.2
1993	2,416.0	79.8	3.1	104.9	70.1	*	184.6	102.8	54.4	26.7	6.2	*
1992 ³	2,568.5	87.9	3.4	106.5	---	---	199.1	102.6	65.3	29.9	6.6	*
1991 ³	2,573.5	87.9	2.7	111.0	*	*	193.3	108.9	68.1	23.9	6.5	*
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	*

See footnotes at end of table.

Table 8. Birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008—Con.

[Fertility rates are births per 1,000 women aged 15–44 years in specified group. Birth rates are births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin and 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						
Cuban:												
2008	1,643.0	53.3	*	*	*	*	*	*	*	*	*	*
2007	1,615.5	49.7	*	*	*	*	*	*	*	*	6.6	*
2006	1,601.5	49.3	*	*	*	*	*	*	*	*	6.9	*
2005	1,583.0	50.4	*	*	*	*	*	*	*	*	*	*
2004	1,732.5	53.2	*	*	*	*	*	*	*	*	*	*
2003	2,059.5	61.7	*	*	*	*	*	*	*	*	*	*
2002	1,940.5	59.0	*	*	*	*	*	*	*	*	*	*
2001	1,792.5	56.7	*	*	*	*	*	*	*	*	*	*
2000	1,528.0	49.3	*	23.5	14.2	43.4	64.2	104.0	68.1	37.3	7.9	*
1999	1,388.5	47.0	*	*	*	*	*	*	*	*	*	*
1998	1,402.5	46.5	*	*	*	*	*	*	*	*	*	*
1997	1,619.5	53.1	*	*	*	*	*	*	*	*	*	*
1996	1,617.0	55.1	*	*	*	*	*	*	*	*	*	*
1995	1,584.0	52.2	*	*	*	*	*	*	*	*	*	*
1994	1,587.0	53.6	*	*	*	*	*	*	*	*	*	*
1993	1,570.0	53.9	*	*	*	*	*	*	*	*	*	*
1992 ³	1,453.5	49.4	*	*	---	---	*	*	*	*	*	*
1991 ³	1,352.5	47.6	*	*	*	*	*	*	*	*	*	*
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	*	*	---	---	*	*	*	*	*	*
Other Hispanic⁶:												
2008	3,523.0	116.1	1.5	88.7	52.3	144.3	200.0	183.5	141.4	71.8	16.6	1.1
2007	3,151.0	104.9	1.3	74.0	41.8	124.7	167.6	180.6	126.9	62.4	16.3	1.1
2006	3,014.0	98.6	1.2	67.0	38.6	108.3	163.8	175.5	119.1	60.3	14.9	1.0
2005	2,822.5	93.2	1.1	62.2	37.1	97.6	156.3	154.6	116.3	58.7	14.5	0.8
2004	2,648.0	89.3	1.1	57.7	32.7	96.4	136.2	144.4	114.2	60.0	15.2	0.8
2003	2,733.0	91.2	1.0	60.4	36.4	93.1	142.2	152.8	112.3	63.2	13.9	0.8
2002	2,610.5	86.1	1.1	63.0	34.7	110.3	143.3	147.2	98.4	56.1	12.2	0.8
2001	2,519.5	82.7	1.1	65.3	35.6	115.2	136.0	143.3	95.4	50.3	11.6	0.9
2000	2,563.5	85.1	1.2	69.9	44.4	102.0	133.2	143.9	103.6	47.7	12.5	0.7
1999	2,517.0	84.8	1.5	75.5	53.1	100.5	130.2	138.4	98.3	46.5	12.3	0.7
1998	2,448.5	83.5	1.8	75.0	53.3	100.3	122.7	133.6	97.8	45.4	12.8	0.6
1997	2,376.5	80.6	1.8	66.4	44.5	98.0	129.3	125.8	95.6	43.9	11.8	0.7
1996	2,516.5	84.2	2.2	64.8	43.4	95.6	149.6	127.9	98.0	49.1	11.0	0.7
1995	2,629.5	89.1	2.3	72.1	51.3	99.4	144.3	147.7	97.9	49.4	11.6	0.6
1994	2,693.0	93.2	2.5	82.6	62.7	105.0	151.2	137.0	104.4	48.4	11.9	0.6
1993	2,914.5	101.5	2.6	102.0	74.7	134.6	167.5	139.4	106.7	51.7	12.5	0.5
1992 ³	2,989.0	104.7	2.4	108.2	---	---	168.0	151.9	104.4	49.9	12.5	0.5
1991 ³	3,064.5	105.5	2.2	100.7	67.3	145.6	184.1	164.5	100.2	49.2	11.4	0.6
1990 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

See footnotes at end of table.

Table 8. Birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008—Con.

[Fertility rates are births per 1,000 women aged 15–44 years in specified group. Birth rates are births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin and 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						
Non-Hispanic ⁷												
Total ⁶ :												
2008	1,910.0	62.4	0.4	33.6	16.2	59.0	89.3	107.0	96.8	45.1	9.2	0.6
2007	1,942.0	62.9	0.5	34.3	16.6	61.1	91.7	109.2	97.4	45.8	8.9	0.6
2006	1,925.0	62.0	0.5	33.6	16.6	59.8	91.6	108.8	95.3	45.8	8.8	0.6
2005	1,885.5	60.4	0.5	32.4	16.0	57.6	88.7	108.0	93.4	44.9	8.6	0.6
2004	1,891.0	60.5	0.5	33.3	16.7	58.1	89.0	108.7	93.6	44.1	8.5	0.5
2003	1,897.5	60.5	0.5	34.1	17.3	59.4	90.5	109.2	93.8	42.6	8.3	0.5
2002	1,877.0	59.6	0.6	35.5	18.2	61.8	91.8	107.9	90.8	40.4	7.9	0.5
2001	1,898.5	60.1	0.6	37.9	19.6	65.2	94.9	107.7	90.9	39.5	7.7	0.5
2000	1,931.5	61.1	0.7	40.7	21.9	68.2	99.5	108.4	90.2	38.8	7.6	0.4
1999	1,894.0	60.0	0.8	42.2	23.3	70.2	98.4	106.7	86.2	37.0	7.1	0.4
1998	1,887.5	60.0	0.8	44.0	25.2	72.4	98.9	105.8	84.4	36.2	7.0	0.4
1997	1,853.0	59.3	0.9	45.0	26.7	73.7	97.4	103.5	82.0	34.8	6.7	0.3
1996	1,852.0	59.6	1.0	47.0	28.4	75.8	97.3	103.6	80.8	33.9	6.5	0.3
1995	1,856.5	60.2	1.1	49.3	30.5	78.6	97.4	104.1	79.9	33.0	6.2	0.3
1994	1,883.5	61.6	1.2	51.7	32.3	81.4	99.5	106.5	79.1	32.4	6.0	0.3
1993	1,901.5	62.7	1.2	52.7	32.9	82.3	101.7	108.7	78.4	31.6	5.7	0.3
1992 ³	1,929.0	64.2	1.2	54.3	33.2	85.3	104.3	111.4	77.9	31.1	5.4	0.2
1991 ³	1,953.0	65.2	1.3	56.1	34.4	86.1	106.5	113.1	77.5	30.8	5.1	0.2
1990 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:												
2008	1,832.0	59.4	0.2	26.7	11.5	48.5	80.7	106.0	98.7	44.7	8.8	0.6
2007	1,868.5	60.1	0.2	27.2	11.8	50.4	83.2	108.6	99.5	45.8	8.6	0.6
2006	1,863.5	59.5	0.2	26.6	11.8	49.3	83.4	109.1	98.1	46.3	8.4	0.6
2005	1,839.5	58.3	0.2	25.9	11.5	48.0	81.4	109.1	96.9	45.6	8.3	0.5
2004	1,847.0	58.4	0.2	26.7	12.0	48.7	81.9	110.0	97.1	44.8	8.2	0.5
2003	1,856.5	58.5	0.2	27.4	12.4	50.0	83.5	110.8	97.6	43.2	8.1	0.5
2002	1,828.5	57.4	0.2	28.5	13.1	51.9	84.3	109.3	94.4	40.9	7.6	0.5
2001	1,843.0	57.7	0.3	30.3	14.0	54.8	87.1	108.9	94.3	39.8	7.5	0.4
2000	1,866.0	58.5	0.3	32.6	15.8	57.5	91.2	109.4	93.2	38.8	7.3	0.4
1999	1,838.5	57.7	0.3	34.1	17.1	59.4	90.6	108.6	89.5	37.3	6.9	0.4
1998	1,825.0	57.6	0.3	35.3	18.3	60.9	91.2	107.4	87.2	36.4	6.8	0.4
1997	1,785.5	56.8	0.4	36.0	19.3	62.1	90.0	104.8	84.3	34.8	6.5	0.3
1996	1,781.0	57.1	0.4	37.6	20.6	64.0	90.1	104.9	82.8	33.9	6.2	0.3
1995	1,777.5	57.5	0.4	39.3	22.0	66.2	90.2	105.1	81.5	32.8	5.9	0.3
1994	1,782.5	58.2	0.5	40.4	22.7	67.6	90.9	106.6	80.2	32.0	5.7	0.2
1993	1,786.0	58.9	0.5	40.7	22.7	67.7	92.2	108.2	79.0	31.0	5.4	0.2
1992 ³	1,803.5	60.0	0.5	41.7	22.7	69.8	93.9	110.6	78.3	30.4	5.1	0.2
1991 ³	1,822.5	60.9	0.5	43.4	23.6	70.6	95.7	112.1	77.7	30.2	4.7	0.2
1990 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

See footnotes at end of table.

Table 8. Birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2008—Con.

[Fertility rates are births per 1,000 women aged 15–44 years in specified group. Birth rates are births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin and race of mother	Total fertility rate	Fertility rate ¹	Age of mother									
			15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ²	
			10–14 years	Total	15–17 years							
Black:												
2008	2,107.5	71.1	1.4	62.8	34.8	104.6	130.6	105.7	74.9	36.7	8.8	0.6
2007	2,133.5	71.6	1.5	64.2	35.8	109.3	133.6	107.5	74.3	36.4	8.6	0.6
2006	2,115.0	70.6	1.6	63.7	36.2	108.4	133.2	107.1	72.6	36.0	8.3	0.5
2005	2,019.0	67.2	1.7	60.9	34.9	103.0	126.8	103.0	68.4	34.3	8.2	0.5
2004	2,020.0	67.0	1.6	63.1	37.1	103.9	126.9	103.0	67.4	33.7	7.8	0.5
2003	2,027.5	67.1	1.6	64.7	38.7	105.3	128.1	102.1	67.4	33.4	7.7	0.5
2002	2,047.0	67.4	1.9	68.3	41.0	110.3	131.0	102.1	66.1	32.1	7.5	0.4
2001	2,104.5	69.1	2.1	73.5	44.9	116.7	137.2	102.1	66.2	32.1	7.3	0.4
2000	2,178.5	71.4	2.4	79.2	50.1	121.9	145.4	102.8	66.5	31.8	7.2	0.4
1999	2,134.0	69.9	2.6	81.0	51.7	123.9	142.1	99.8	63.9	30.6	6.5	0.3
1998	2,164.0	70.9	2.9	85.7	56.8	128.2	142.5	99.9	64.4	30.4	6.7	0.3
1997	2,137.5	70.3	3.2	88.3	60.7	131.0	138.8	97.2	63.6	29.6	6.5	0.3
1996	2,140.0	70.7	3.6	91.9	64.8	134.1	137.0	96.7	63.2	29.1	6.2	0.3
1995	2,186.5	72.8	4.2	97.2	70.4	139.2	137.8	98.5	64.4	28.8	6.1	0.3
1994	2,314.5	77.5	4.6	105.7	77.0	150.4	146.8	104.1	66.3	29.1	6.0	0.3
1993	2,412.5	81.5	4.6	110.5	81.1	154.6	154.5	109.2	68.1	29.4	5.9	0.3
1992 ³	2,482.5	84.5	4.8	114.7	82.9	161.1	160.8	112.8	68.4	29.1	5.7	0.2
1991 ³	2,532.0	87.0	4.9	118.2	86.1	162.2	164.8	115.1	68.9	28.7	5.6	0.2
1990 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

--- Data not available.

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for Hispanic subgroups, fewer than 50 women for census years and 75,000 women for noncensus years in the denominator; see Reference 9. Guidelines for denominator size follow U.S. Census Bureau recommendations.

¹Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44.

²Beginning in 1997, rates are computed by relating births to women aged 45 and over to women aged 45–49; see “Technical Notes.”

³Excludes data for New Hampshire, which did not report Hispanic origin.

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

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

⁶Includes Central and South American and other and unknown Hispanic.

⁷Includes origin not stated.

⁸Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see “Technical Notes.” Multiple-race reporting areas vary for 2003–2008; see “Technical Notes.” 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. Birth rates, by live-birth order and race and Hispanic origin of mother: United States, 1980–2008

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

Year and race and Hispanic origin of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races ^{1,2}								
2008	68.6	27.7	21.6	11.5	4.7	1.8	1.0	0.3
2007	69.5	27.9	22.1	11.7	4.8	1.8	1.0	0.3
2006	68.5	27.4	21.9	11.6	4.7	1.7	1.0	0.3
2005	66.7	26.5	21.5	11.3	4.5	1.6	0.9	0.3
2004	66.3	26.4	21.4	11.2	4.4	1.6	0.9	0.3
2003	66.1	26.5	21.4	11.1	4.3	1.6	0.9	0.3
2002	64.8	25.8	21.1	10.9	4.3	1.5	0.9	0.3
2001	65.3	26.0	21.3	11.0	4.3	1.6	0.9	0.3
2000	65.9	26.5	21.4	11.0	4.2	1.6	0.9	0.3
1999	64.4	26.0	21.0	10.7	4.1	1.5	0.9	0.3
1998	64.3	25.9	21.0	10.6	4.1	1.5	0.9	0.3
1997	63.6	25.9	20.7	10.4	4.0	1.5	0.9	0.3
1996	64.1	26.3	20.7	10.4	4.0	1.5	0.9	0.3
1995	64.6	26.9	20.7	10.3	4.0	1.5	0.9	0.3
1994	65.9	27.1	21.2	10.6	4.1	1.6	0.9	0.3
1993	67.0	27.3	21.7	10.9	4.3	1.6	1.0	0.3
1992	68.4	27.6	22.2	11.2	4.4	1.7	1.0	0.3
1991	69.3	28.2	22.3	11.4	4.4	1.7	1.0	0.3
1990	70.9	29.0	22.8	11.7	4.5	1.7	1.0	0.3
1989	69.2	28.4	22.4	11.3	4.3	1.6	0.9	0.3
1988	67.3	27.6	22.0	10.9	4.1	1.5	0.9	0.3
1987	65.8	27.2	21.6	10.5	3.9	1.4	0.8	0.3
1986	65.4	27.2	21.6	10.3	3.8	1.4	0.8	0.3
1985	66.3	27.6	22.0	10.4	3.8	1.4	0.8	0.3
1984 ³	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 ³	65.7	27.8	21.5	10.1	3.7	1.4	0.9	0.3
1982 ³	67.3	28.6	22.0	10.2	3.8	1.4	0.9	0.3
1981 ³	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 ³	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
Non-Hispanic white ^{2,4}								
2008	59.4	25.1	19.5	9.3	3.4	1.2	0.7	0.2
2007	60.1	25.2	19.8	9.5	3.5	1.2	0.7	0.2
2006	59.5	24.8	19.7	9.5	3.4	1.1	0.6	0.2
2005	58.3	24.1	19.5	9.4	3.3	1.1	0.6	0.2
2004	58.4	24.1	19.6	9.4	3.3	1.1	0.6	0.2
2003	58.5	24.3	19.7	9.4	3.3	1.1	0.6	0.2
2002	57.4	23.5	19.5	9.3	3.3	1.1	0.6	0.2
2001	57.7	23.6	19.7	9.3	3.3	1.1	0.6	0.2
2000	58.5	24.2	19.8	9.4	3.3	1.1	0.6	0.2
1999	57.7	24.0	19.6	9.2	3.2	1.0	0.6	0.2
1998	57.6	23.8	19.7	9.2	3.1	1.0	0.6	0.2
1997	56.8	23.8	19.3	8.9	3.0	1.0	0.5	0.2
1996	57.1	24.1	19.3	8.9	3.0	1.0	0.5	0.2
1995	57.5	24.5	19.3	8.9	3.0	1.0	0.5	0.2
1994	58.2	24.6	19.7	9.1	3.1	1.0	0.5	0.2
1993	58.9	24.8	20.1	9.2	3.1	1.0	0.5	0.2
1992 ⁵	60.0	25.1	20.5	9.5	3.2	1.0	0.5	0.2
1991 ⁵	60.9	25.8	20.6	9.6	3.2	1.0	0.5	0.2
1990 ⁶	62.8	26.7	21.2	9.9	3.3	1.1	0.5	0.2

See footnotes at end of table.

Table 9. Birth rates, by live-birth order and race and Hispanic origin of mother: United States, 1980–2008—Con.

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

Year and race and Hispanic origin of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
Non-Hispanic black^{2,4}								
2008	71.1	28.2	20.1	12.1	5.9	2.6	1.7	0.5
2007	71.6	28.0	20.4	12.3	5.9	2.6	1.7	0.5
2006	70.6	27.5	20.2	12.3	5.8	2.5	1.7	0.5
2005	67.2	25.8	19.3	11.8	5.6	2.5	1.7	0.5
2004	67.0	25.5	19.4	11.9	5.6	2.5	1.7	0.5
2003	67.1	25.4	19.6	11.9	5.6	2.5	1.6	0.5
2002	67.4	25.3	19.7	12.0	5.6	2.5	1.7	0.5
2001	69.1	25.9	20.4	12.4	5.8	2.5	1.7	0.6
2000	71.4	26.7	21.2	12.8	5.9	2.6	1.8	0.6
1999	69.9	26.4	20.8	12.3	5.7	2.5	1.7	0.6
1998	70.9	27.0	21.0	12.3	5.7	2.6	1.8	0.6
1997	70.3	27.2	20.6	12.0	5.7	2.5	1.8	0.6
1996	70.7	27.6	20.5	12.0	5.6	2.6	1.8	0.6
1995	72.8	28.9	20.9	12.1	5.8	2.7	1.9	0.6
1994	77.5	30.0	22.4	13.2	6.3	2.9	2.0	0.6
1993	81.5	30.5	23.6	14.3	7.0	3.2	2.2	0.7
1992 ⁵	84.5	31.1	24.8	15.2	7.3	3.4	2.2	0.6
1991 ⁵	87.0	32.1	25.5	15.7	7.5	3.4	2.2	0.6
1990 ⁶	89.0	33.2	26.3	16.0	7.6	3.3	2.0	0.6
Hispanic⁷								
2008	98.8	35.2	29.6	19.5	9.0	3.4	1.8	0.4
2007	102.2	36.4	30.8	20.2	9.2	3.4	1.8	0.4
2006	101.5	36.3	30.9	19.9	9.0	3.4	1.8	0.4
2005	99.4	35.5	30.5	19.5	8.6	3.2	1.7	0.4
2004	97.8	35.1	29.9	19.1	8.4	3.2	1.7	0.4
2003	96.9	35.2	29.9	18.7	8.1	3.1	1.6	0.4
2002	94.4	34.6	29.0	17.9	7.9	3.0	1.6	0.4
2001	96.0	35.4	29.5	18.1	7.9	3.0	1.7	0.4
2000	95.9	35.8	29.2	18.0	7.7	3.0	1.7	0.4
1999	93.0	34.6	28.5	17.3	7.5	2.9	1.7	0.4
1998	93.2	34.8	28.5	17.2	7.6	3.0	1.7	0.4
1997	94.2	35.6	28.6	17.1	7.6	3.0	1.8	0.5
1996	97.5	37.2	29.4	17.4	7.8	3.2	1.9	0.5
1995	98.8	38.4	29.3	17.4	7.8	3.3	2.0	0.6
1994	100.7	39.0	29.7	17.6	8.2	3.4	2.1	0.6
1993	103.3	39.3	30.4	18.3	8.6	3.7	2.3	0.6
1992 ⁵	106.1	40.1	30.9	19.0	9.1	3.9	2.5	0.7
1991 ⁵	106.9	40.8	30.6	19.2	9.2	3.9	2.5	0.7
1990 ⁶	107.7	40.7	30.9	19.5	9.3	4.0	2.6	0.8

¹Includes races other than white and black.

²Includes origin not stated.

³Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see Reference 9.

⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes."

⁵Excludes data for New Hampshire, which did not report Hispanic origin.

⁶Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

⁷Includes all persons of Hispanic origin of any race.

Table 10. Births, by race of mother: United States, each state and territory, 2008

[By place of residence]

Area	Number				
	All races	White	Black	American Indian or Alaska Native	Asian or Pacific Islander
United States ¹	4,247,694	3,274,163	670,809	49,537	253,185
Alabama	64,546	43,469	19,960	195	922
Alaska	11,442	7,158	434	2,899	951
Arizona	99,442	84,934	4,492	6,542	3,474
Arkansas	40,669	31,629	8,092	265	683
California	551,779	440,401	34,589	3,731	73,058
Colorado	70,031	63,369	3,482	726	2,454
Connecticut	40,399	32,202	5,643	224	2,330
Delaware	12,090	8,249	3,290	17	534
District of Columbia	9,130	3,575	5,320	4	231
Florida	231,445	165,451	57,432	758	7,804
Georgia	146,603	87,010	53,311	297	5,985
Hawaii	19,484	5,874	603	90	12,917
Idaho	25,149	24,040	199	465	445
Illinois	176,795	135,473	31,177	284	9,861
Indiana	88,742	76,077	10,680	137	1,848
Iowa	40,224	37,056	1,907	272	989
Kansas	41,833	36,703	3,350	413	1,367
Kentucky	58,375	51,582	5,685	95	1,013
Louisiana	65,268	37,866	25,759	487	1,156
Maine	13,609	12,871	374	125	239
Maryland	77,289	45,349	26,727	164	5,049
Massachusetts	77,022	61,321	9,434	214	6,053
Michigan	121,127	93,196	22,948	779	4,204
Minnesota	72,421	58,120	7,077	1,688	5,536
Mississippi	44,947	24,336	19,847	292	472
Missouri	80,963	65,834	12,590	421	2,118
Montana	12,594	10,769	81	1,591	153
Nebraska	26,989	23,682	1,993	605	709
Nevada	39,506	31,872	3,793	563	3,278
New Hampshire	13,683	12,820	288	23	552
New Jersey	112,710	79,773	20,693	153	12,091
New Mexico	30,173	24,983	632	4,018	540
New York	250,383	176,789	49,624	772	23,198
North Carolina	130,839	93,598	31,405	1,784	4,052
North Dakota	8,938	7,585	181	1,043	129
Ohio	148,821	118,836	25,912	325	3,748
Oklahoma	54,781	42,015	5,016	6,509	1,241
Oregon	49,096	43,970	1,327	1,033	2,766
Pennsylvania	149,273	116,074	26,526	453	6,220
Rhode Island	12,048	10,038	1,278	158	574
South Carolina	63,071	39,955	21,516	272	1,328
South Dakota	12,071	9,600	217	2,096	158
Tennessee	85,560	64,285	18,967	438	1,870
Texas	405,554	338,184	49,458	1,209	16,703
Utah	55,634	52,450	614	746	1,824
Vermont	6,339	6,112	102	11	114
Virginia	106,686	75,280	23,667	183	7,556
Washington	90,321	73,695	4,859	2,363	9,404
West Virginia	21,501	20,472	824	22	183
Wisconsin	72,261	60,649	7,357	1,249	3,006
Wyoming	8,038	7,532	77	334	95
Puerto Rico	45,620	40,964	4,645	---	---
Virgin Islands	1,784	494	1,261	8	21
Guam	3,457	243	37	5	3,172
American Samoa	1,332	4	2	—	1,326
Northern Marianas	1,265	4	—	—	1,261

--- Data not available.

— Quantity zero.

¹Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." In this table, all women, including Hispanic women, are classified only according to their race; see "Technical Notes."

Table 11. Births, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each state and territory, 2008

[By place of residence]

Area	All origins	Origin of mother									Not stated
		Total	Hispanic					Non-Hispanic			
			Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ¹	White	Black	
United States ²	4,247,694	1,041,239	684,883	69,015	16,718	155,578	115,045	3,173,629	2,267,817	623,029	32,826
Alabama	64,546	5,350	3,700	144	26	1,350	130	59,174	38,169	19,913	22
Alaska	11,442	651	410	61	15	113	52	10,627	6,505	403	164
Arizona	99,442	43,329	40,054	331	80	1,130	1,734	55,390	42,202	4,052	723
Arkansas	40,669	4,341	3,384	63	11	820	63	36,213	27,257	8,029	115
California	551,779	287,560	238,375	2,044	716	27,150	19,275	255,613	151,407	31,975	8,606
Colorado	70,031	21,867	15,310	340	55	1,160	5,002	47,424	41,489	3,140	740
Connecticut	40,399	8,674	1,134	4,675	88	2,542	235	31,614	23,955	5,142	111
Delaware	12,090	1,837	893	372	11	502	59	10,236	6,459	3,226	17
District of Columbia	9,130	1,506	173	17	10	1,257	49	7,596	2,364	5,012	28
Florida	231,445	66,019	16,020	12,202	11,613	23,053	3,131	164,977	105,710	51,699	449
Georgia	146,603	25,842	17,831	985	227	4,277	2,522	117,535	63,757	48,298	3,226
Hawaii	19,484	3,062	659	800	20	145	1,438	16,394	4,812	478	28
Idaho	25,149	4,055	3,326	38	16	151	524	20,774	19,868	154	320
Illinois	176,795	42,765	35,875	2,633	153	1,548	2,556	133,914	92,988	30,845	116
Indiana	88,742	8,519	6,878	322	37	720	562	80,173	67,850	10,449	50
Iowa	40,224	3,324	2,616	67	9	471	161	36,895	33,956	1,782	5
Kansas	41,833	6,784	5,021	138	22	874	729	34,972	30,196	3,156	77
Kentucky	58,375	2,912	1,941	156	142	474	199	55,408	49,011	5,445	55
Louisiana	65,268	3,363	1,527	141	93	1,437	165	61,882	34,728	25,565	23
Maine	13,609	221	39	42	4	31	105	13,349	12,637	360	39
Maryland	77,289	10,545	2,099	500	61	7,321	564	66,710	35,639	25,929	34
Massachusetts	77,022	10,941	553	4,649	74	5,456	209	65,674	52,241	7,201	407
Michigan	121,127	8,894	5,530	371	72	780	2,141	111,847	84,575	22,449	386
Minnesota	72,421	5,732	4,091	134	29	883	595	65,847	52,684	6,675	842
Mississippi	44,947	1,750	975	34	10	336	395	43,176	22,582	19,836	21
Missouri	80,963	4,528	3,312	150	37	524	505	76,296	61,385	12,478	139
Montana	12,594	432	267	21	3	35	106	11,864	10,328	72	298
Nebraska	26,989	4,274	3,170	52	21	667	364	22,707	19,925	1,753	8
Nevada	39,506	15,364	12,601	328	256	1,748	431	23,463	16,228	3,601	679
New Hampshire	13,683	548	134	150	10	122	132	12,985	12,200	233	150
New Jersey	112,710	29,296	6,573	7,008	686	13,988	1,041	83,085	53,540	17,430	329
New Mexico	30,173	16,885	5,981	88	40	265	10,511	13,150	8,476	489	138
New York	250,383	60,070	11,811	15,198	559	18,061	14,441	184,100	120,581	40,418	6,213
North Carolina	130,839	21,630	15,180	1,106	208	4,945	191	109,045	72,103	31,163	164
North Dakota	8,938	279	184	19	10	20	46	8,555	7,323	148	104
Ohio	148,821	6,914	3,462	1,316	83	991	1,062	140,883	112,900	24,266	1,024
Oklahoma	54,781	7,071	6,229	157	23	604	58	47,643	35,172	4,960	67
Oregon	49,096	10,363	8,990	139	51	588	595	38,727	34,054	1,211	6
Pennsylvania	149,273	13,972	2,840	6,693	205	1,681	2,553	133,397	105,896	21,654	1,904
Rhode Island	12,048	2,607	182	755	22	1,419	229	7,628	5,999	1,009	1,813
South Carolina	63,071	6,220	4,162	356	68	1,174	460	56,589	34,694	20,624	262
South Dakota	12,071	462	259	30	3	107	63	11,604	9,193	215	5
Tennessee	85,560	7,969	5,312	319	98	1,532	708	77,511	57,653	18,133	80
Texas	405,554	202,980	154,612	1,605	458	12,175	34,130	202,152	139,389	45,951	422
Utah	55,634	9,465	7,302	148	46	647	1,322	45,785	42,746	560	384
Vermont	6,339	75	24	17	3	16	15	6,250	6,032	97	14
Virginia	106,686	14,273	3,316	833	92	8,727	1,305	92,263	61,454	23,270	150
Washington	90,321	17,353	13,971	425	93	1,081	1,783	71,280	57,060	3,961	1,688
West Virginia	21,501	231	112	20	2	48	49	21,235	20,212	821	35
Wisconsin	72,261	7,060	5,726	802	45	388	99	65,190	53,812	7,241	11
Wyoming	8,038	1,075	757	21	2	44	251	6,828	6,421	58	135
Puerto Rico	45,620	44,003	56	42,466	51	271	1,159	1,593	1,436	146	24
Virgin Islands	1,784	359	7	88	1	139	124	1,336	190	1,117	89
Guam	3,457	38	22	11	-	4	1	3,418	206	37	1
American Samoa	1,332	---	---	---	---	---	---	---	---	---	1,332
Northern Marianas	1,265	---	---	---	---	---	---	---	---	---	1,265

-- Quantity zero. --- Data not available. ¹Includes races other than white and black. ²Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." In this table, Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes."

Table 12. Birth rates, by age of mother: United States, each state and territory, 2008

[By place of residence. Fertility rates are births per 1,000 women aged 15–44 years estimated in each area; total fertility rates are sums of birth rates for 5-year age groups multiplied by 5; birth rates by age are births per 1,000 women in specified age group estimated in each area. Populations estimated as of July 1]

Area	Birth rate	Fertility rate	Total fertility rate	10–14 years	15–19 years								
					Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
United States ²	14.0	68.6	2,084.5	0.6	41.5	21.7	70.6	103.0	115.1	99.3	46.9	9.8	0.7
Alabama	13.8	68.5	2,060.5	1.1	53.0	26.7	91.5	125.7	116.4	78.8	31.4	5.5	0.2
Alaska	16.7	80.9	2,407.0	*	46.8	19.3	96.4	145.8	128.9	99.3	47.9	11.8	*
Arizona	15.3	77.4	2,310.0	0.8	56.2	31.3	97.1	129.0	122.0	97.2	46.7	9.5	0.6
Arkansas	14.2	72.1	2,164.0	0.8	61.8	30.8	109.4	147.4	114.8	73.7	28.7	5.3	0.3
California	15.0	71.0	2,151.5	0.5	38.4	21.4	62.9	93.9	114.2	108.9	58.9	14.3	1.2
Colorado	14.2	68.8	2,052.0	0.5	42.5	22.5	74.8	99.7	105.6	100.0	50.9	10.6	0.6
Connecticut	11.5	58.4	1,875.0	0.2	22.9	11.7	39.2	65.5	102.2	114.2	57.6	11.8	0.6
Delaware	13.8	68.4	2,111.0	0.9	40.4	21.1	66.4	104.3	122.2	98.9	46.8	8.2	*
District of Columbia	15.4	61.3	1,791.0	2.3	50.9	40.6	59.2	65.6	65.0	89.6	66.9	16.0	1.9
Florida	12.6	66.7	2,050.5	0.7	42.8	21.3	75.9	107.5	109.6	93.8	45.3	9.7	0.7
Georgia	15.1	70.9	2,172.0	0.8	51.8	26.7	92.7	125.2	114.0	91.1	42.3	8.6	0.6
Hawaii	15.1	78.3	2,339.5	*	42.1	18.7	76.8	111.6	119.9	113.4	63.1	16.4	1.0
Idaho	16.5	83.4	2,473.0	*	41.2	19.9	72.8	150.1	148.4	102.8	42.9	8.1	0.8
Illinois	13.7	66.0	1,995.5	0.6	38.1	21.2	61.7	85.8	109.4	104.3	49.9	10.3	0.7
Indiana	13.9	69.3	2,093.5	0.5	43.7	20.6	79.1	120.1	123.1	88.4	35.9	6.7	0.3
Iowa	13.4	69.5	2,108.5	0.4	33.9	16.8	57.2	96.3	141.8	103.4	38.3	7.1	0.5
Kansas	14.9	75.6	2,246.5	0.4	45.6	22.0	80.1	115.1	133.6	105.4	41.1	7.6	0.5
Kentucky	13.7	67.7	2,057.0	0.7	55.6	25.1	105.0	130.4	108.9	78.4	31.2	5.8	0.4
Louisiana	14.8	70.9	2,075.0	0.9	54.1	27.5	90.7	124.5	114.8	81.2	33.0	6.3	0.2
Maine	10.3	54.5	1,739.0	*	26.1	10.3	50.8	91.6	105.5	82.7	35.5	5.9	*
Maryland	13.7	65.4	2,034.5	0.5	32.8	17.4	55.2	87.0	109.4	109.3	55.4	11.6	0.9
Massachusetts	11.9	56.7	1,772.5	0.2	20.1	10.8	31.7	53.3	89.8	115.2	62.0	13.0	0.9
Michigan	12.1	60.5	1,874.5	0.4	33.2	16.8	57.6	87.7	111.6	94.9	39.0	7.6	0.5
Minnesota	13.9	69.1	2,108.0	0.4	27.2	12.9	48.1	84.0	132.3	117.3	50.5	9.2	0.7
Mississippi	15.3	74.4	2,204.0	1.3	65.7	35.2	109.7	143.4	122.5	73.2	28.8	5.6	0.3
Missouri	13.7	68.3	2,052.0	0.5	45.5	21.6	83.1	115.6	116.4	89.1	36.1	6.8	0.4
Montana	13.0	69.5	2,080.0	*	40.7	18.6	76.0	107.2	122.6	98.7	38.7	7.3	*
Nebraska	15.1	76.9	2,293.5	0.4	36.5	18.1	62.8	101.9	147.9	116.4	45.4	9.7	0.5
Nevada	15.2	76.0	2,310.0	0.8	53.5	28.0	101.8	134.6	121.3	92.9	47.4	10.8	0.7
New Hampshire	10.4	52.8	1,713.5	*	19.8	7.7	38.0	68.5	99.4	105.4	41.2	7.8	0.5
New Jersey	13.0	65.1	2,057.0	0.2	24.5	12.1	44.2	72.2	115.7	123.7	61.5	12.8	0.8
New Mexico	15.2	75.9	2,234.5	1.0	64.1	38.0	102.1	132.3	115.5	85.6	38.5	9.2	0.7
New York	12.8	61.4	1,887.5	0.4	25.2	13.0	41.5	73.3	101.8	105.1	57.3	13.3	1.1
North Carolina	14.2	69.1	2,123.0	0.8	49.4	26.0	84.0	117.0	116.0	92.4	40.5	8.1	0.4
North Dakota	13.9	71.3	2,131.0	*	28.6	14.1	45.3	84.2	151.1	111.8	42.1	7.6	*
Ohio	13.0	65.1	1,986.0	0.5	41.0	19.7	73.8	104.9	113.4	92.2	37.9	6.9	0.4
Oklahoma	15.0	75.9	2,207.0	0.8	61.6	30.9	109.8	137.1	121.2	81.4	32.8	6.2	0.3
Oregon	13.0	65.6	1,952.0	0.3	37.2	18.2	67.6	100.9	105.2	92.3	45.1	8.9	0.5
Pennsylvania	12.0	61.8	1,938.5	0.4	31.5	17.0	51.0	83.7	114.7	102.3	46.0	8.6	0.5
Rhode Island	11.5	55.3	1,733.0	0.6	28.5	17.5	40.7	66.2	97.3	98.2	47.0	8.4	*
South Carolina	14.1	69.7	2,126.0	0.8	53.1	27.5	89.1	125.6	117.0	85.0	36.7	6.6	0.4
South Dakota	15.0	79.1	2,350.5	*	40.0	20.7	68.3	113.5	152.8	113.3	42.0	7.6	*
Tennessee	13.8	68.0	2,074.5	0.8	55.6	26.9	101.9	130.2	108.8	79.9	33.3	6.0	0.3
Texas	16.7	79.1	2,363.5	1.0	63.4	36.3	105.7	131.1	123.8	98.5	44.9	9.4	0.6
Utah	20.3	93.1	2,597.0	0.3	35.1	18.2	58.1	127.6	169.6	124.6	51.0	10.5	0.7
Vermont	10.2	52.4	1,673.0	*	21.3	7.4	39.4	71.9	99.9	93.1	41.1	6.7	*
Virginia	13.7	66.0	2,021.0	0.4	33.5	15.5	58.5	96.0	110.9	102.0	49.8	10.9	0.7
Washington	13.8	68.0	2,044.5	0.4	34.6	16.1	64.9	101.8	111.4	100.5	48.6	10.8	0.8
West Virginia	11.8	62.2	1,903.5	0.5	48.8	23.4	86.0	122.7	108.2	68.1	26.9	5.3	*
Wisconsin	12.8	64.9	1,995.0	0.4	31.3	15.6	54.3	87.4	123.4	105.5	42.8	7.7	0.5
Wyoming	15.1	78.4	2,284.5	*	49.2	22.9	88.1	140.1	133.7	89.2	37.1	7.3	*
Puerto Rico	11.5	54.1	1,618.0	1.1	54.9	34.6	85.0	106.0	81.8	52.2	22.8	4.6	0.2
Virgin Islands	16.2	79.4	2,534.0	*	51.1	26.8	91.8	135.6	156.3	103.0	47.6	9.9	*
Guam	19.6	89.7	2,726.0	*	55.0	27.5	98.0	143.5	148.3	120.5	63.2	13.6	*
American Samoa	20.5	91.7	2,905.0	*	37.1	16.4	75.1	120.6	165.6	148.8	81.8	26.8	*
Northern Marianas	22.9	79.9	2,303.5	*	42.3	23.0	76.3	83.8	92.4	131.2	85.0	22.2	*

* Figure does not meet standards of reliability or precision; birth rates based on fewer than 20 births.

¹Rates computed by relating births to women aged 45 and over to women aged 45–49; see "Technical Notes."

²Excludes data for the territories.

NOTE: Population data for computing birth rates were provided by the U.S. Census Bureau. Rates by state may differ from rates computed on the basis of other population estimates.

Table 13. Selected demographic characteristics of births, by race of mother: United States, 2008

[Birth rates are live births per 1,000 population. Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Populations estimated as of July 1. Mean age at first birth is the arithmetic average of the age of mothers at the time of birth, computed directly from the frequency of first births by age of mother]

Characteristic	All races	White	Black	American Indian or Alaska Native	Asian or Pacific Islander
			Number		
Births	4,247,694	3,274,163	670,809	49,537	253,185
			Rate		
Birth rate	14.0	13.4	16.6	14.5	16.8
Fertility rate	68.6	67.8	71.9	64.6	71.3
Total fertility rate	2,084.5	2,066.5	2,132.0	1,843.5	2,054.5
Sex ratio ¹	1,048	1,050	1,033	1,035	1,065
			Percent		
All births					
Births to mothers under 20 years	10.4	9.5	17.0	18.0	3.0
4th- and higher-order births	11.4	10.9	14.9	19.2	6.7
Births to unmarried mothers	40.6	35.7	71.8	65.8	16.9
Mothers born in the 50 states and District of Columbia	75.6	77.7	84.9	93.2	20.3
			Mean		
Age of mother at first birth	25.1	25.3	22.8	21.9	28.7

¹Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." In this table, all women, including Hispanic women, are classified only according to their race; see "Technical Notes."

Table 14. Selected demographic characteristics of births, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2008

[Birth rates are live births per 1,000 population. Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Populations estimated as of July 1. Mean age at first birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of first births by age of mother]

Characteristic	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
Births	4,247,694	1,041,239	684,883	69,015	16,718	155,578	115,045	3,173,629	2,267,817	623,029
Rate										
Birth rate ³	14.0	22.2	22.1	16.7	10.2	26.6	(³)	12.5	11.3	16.4
Fertility rate ³	68.6	98.8	98.9	71.5	53.3	116.1	(³)	62.4	59.4	71.1
Total fertility rate ³	2,084.5	2,911.5	2,866.5	2,160.0	1,643.0	3,523.0	(³)	1,910.0	1,832.0	2,107.5
Sex ratio ⁴	1,048	1,045	1,042	1,055	1,071	1,047	1,047	1,049	1,052	1,032
All births										
Percent										
Births to mothers under age 20 years	10.4	14.1	14.8	17.3	7.8	8.4	17.1	9.1	7.5	17.1
4th- and higher-order births	11.4	14.7	16.2	12.0	5.2	11.9	12.2	10.3	9.3	15.1
Births to unmarried mothers	40.6	52.6	51.3	64.6	44.2	52.3	54.4	36.7	28.7	72.3
Mothers born in the 50 states and District of Columbia	75.6	40.6	38.0	73.1	47.5	13.9	71.9	87.0	94.0	87.4
Mean										
Age of mother at first birth	25.1	23.1	22.6	22.9	26.1	25.2	23.0	25.6	26.0	22.8

¹Includes origin not stated.

²Includes races other than white and black.

³Rates for Central and South American include other and unknown Hispanic.

⁴Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." 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. Births and birth rates for unmarried women, by age and race and Hispanic origin of mother: United States, 2008

Measure and age of mother	All races ¹	White		Black		American Indian or Alaska Native ²	Asian or Pacific Islander ²	Hispanic ³
		Total ²	Non-Hispanic	Total ²	Non-Hispanic			
		Number						
All ages	1,726,566	1,169,193	650,021	481,934	450,546	32,607	42,832	547,216
Under 15 years	5,710	3,265	1,093	2,242	2,128	123	80	2,287
15–19 years	376,844	254,045	138,423	108,795	101,926	7,991	6,013	122,199
15 years	16,772	10,829	4,175	5,301	4,931	360	282	7,005
16 years	39,449	26,448	11,327	11,562	10,774	875	564	15,903
17 years	70,892	48,110	23,970	20,107	18,740	1,572	1,103	25,484
18 years	108,871	73,854	41,554	31,064	29,097	2,219	1,734	34,151
19 years	140,860	94,804	57,397	40,761	38,384	2,965	2,330	39,656
20–24 years	640,746	433,633	259,046	181,535	170,504	12,308	13,270	184,778
25–29 years	397,335	268,663	146,739	109,969	102,563	7,156	11,547	128,412
30–34 years	193,434	131,756	64,039	51,510	47,704	3,286	6,882	70,872
35–39 years	88,853	61,301	31,372	22,231	20,540	1,405	3,916	31,219
40 years and over	23,644	16,530	9,309	5,652	5,181	338	1,124	7,449
		Rate per 1,000 unmarried women in specified group						
15–44 years ⁴	52.5	48.2	33.7	72.5	---	---	28.2	105.1
15–19 years	37.0	32.3	22.4	63.0	---	---	13.3	68.8
15–17 years	20.6	18.0	10.7	35.5	---	---	7.1	43.1
18–19 years	61.9	54.2	39.7	104.4	---	---	22.7	112.8
20–24 years	79.2	70.6	51.6	125.6	---	---	33.8	156.2
25–29 years	76.1	71.7	49.1	96.3	---	---	41.6	162.0
30–34 years	59.0	59.2	37.6	61.7	---	---	40.8	126.5
35–39 years	30.4	30.9	20.1	28.9	---	---	31.2	69.5
40–44 years ⁵	7.5	7.3	5.1	7.7	---	---	11.2	16.8
		Percentage of births to unmarried women						
All ages	40.6	35.7	28.7	71.8	72.3	65.8	16.9	52.6
Under 15 years	99.1	98.6	99.0	99.9	99.9	97.6	98.8	98.3
15–19 years	86.7	82.9	82.1	97.1	97.5	90.7	79.8	84.3
15 years	98.1	97.4	98.1	99.8	99.8	97.6	97.9	96.9
16 years	95.0	93.2	93.7	99.3	99.5	97.5	89.2	93.0
17 years	92.0	89.5	89.9	99.0	99.2	95.3	85.8	89.3
18 years	87.1	83.4	83.6	97.6	97.9	89.5	82.6	83.5
19 years	80.9	76.1	75.6	95.0	95.5	86.7	72.1	77.5
20–24 years	60.9	54.8	50.6	85.4	86.1	73.3	42.8	63.1
25–29 years	33.2	28.5	21.9	65.0	65.5	56.6	16.2	45.6
30–34 years	20.2	17.4	11.4	48.5	48.6	45.9	8.0	35.4
35–39 years	18.2	16.0	10.9	40.7	40.7	43.8	8.2	32.1
40 years and over	20.8	18.7	14.1	39.7	39.3	43.9	11.1	33.2

--- Data not available.

¹Includes races other than white and black and origin not stated.²Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes." Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes."³Includes all persons of Hispanic origin of any race.⁴Birth rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.⁵Birth rates computed by relating births to unmarried mothers aged 40 and over to unmarried women aged 40–44.

NOTES: For 49 states and the District of Columbia, marital status is reported in the birth registration process; for New York, mother's marital status is inferred; see Reference 9. Rates cannot be computed for unmarried non-Hispanic black women or for American Indian or Alaska Native women due to population size.

Table 16. Birth rates for unmarried women, by age of mother: United States, 1970, 1975, and 1980–2008, and by age and race and Hispanic origin of mother: United States, 1980–2008

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	Age of mother								
	15–44 years 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 races³									
2008 ⁴	52.5	37.0	20.6	61.9	79.2	76.1	59.0	30.4	7.5
2007 ⁴	52.3	37.4	20.8	63.9	80.6	76.9	57.9	28.7	6.8
2006 ⁴	50.6	36.2	20.4	61.8	79.5	74.9	54.8	26.8	6.5
2005 ⁴	47.5	34.5	19.7	58.4	74.9	71.1	50.0	24.5	6.2
2004 ⁴	46.1	34.7	20.1	57.7	72.5	68.6	47.0	23.5	6.0
2003 ⁴	44.9	34.8	20.3	57.6	71.2	65.7	44.0	22.3	5.8
2002 ⁴	43.7	35.4	20.8	58.6	70.5	61.5	40.8	20.8	5.4
2001 ⁴	43.8	37.0	22.0	60.6	71.3	59.5	40.4	20.4	5.3
2000 ⁴	44.1	39.0	23.9	62.2	72.2	58.5	39.3	19.7	5.0
1999 ⁴	43.3	39.7	25.0	62.3	70.8	56.9	38.1	19.0	4.6
1998 ⁴	43.3	40.9	26.5	63.6	70.4	55.4	38.1	18.7	4.6
1997 ⁴	42.9	41.4	27.7	63.9	68.9	53.4	37.9	18.7	4.6
1996 ⁴	43.8	42.2	28.5	64.9	68.9	54.5	40.2	19.9	4.8
1995 ⁴	44.3	43.8	30.1	66.5	68.7	54.3	38.9	19.3	4.7
1994 ⁴	46.2	45.8	31.7	69.1	70.9	57.4	39.6	19.7	4.7
1993 ⁴	44.8	44.0	30.3	66.2	68.5	55.9	38.0	18.9	4.4
1992 ⁴	44.9	44.2	30.2	66.7	67.9	55.6	37.6	18.8	4.1
1991 ⁴	45.0	44.6	30.8	65.4	67.8	56.0	37.9	17.9	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									
2008 ⁴	48.2	32.3	18.0	54.2	70.6	71.7	59.2	30.9	7.3
2007 ⁴	48.1	32.6	18.0	55.9	72.1	72.7	58.5	28.8	6.4
2006 ⁴	46.1	31.4	17.4	53.9	71.0	70.6	54.5	26.4	6.2
2005 ⁴	43.0	29.9	16.8	50.9	66.6	66.3	49.1	23.8	5.8
2004 ⁴	41.6	30.1	17.1	50.4	64.1	63.9	45.7	22.6	5.6
2003 ⁴	40.4	30.1	17.2	50.4	63.0	60.8	42.0	21.2	5.5
2002 ⁴	38.9	30.4	17.5	51.0	61.6	56.8	38.3	19.4	5.0
2001 ⁴	38.5	31.3	18.1	52.1	61.8	54.6	37.2	18.6	4.9
2000 ⁴	38.2	32.7	19.7	53.1	61.7	52.9	35.9	17.9	4.5
1999 ⁴	37.4	33.2	20.6	52.9	60.2	50.8	34.9	17.4	4.1
1998 ⁴	36.9	33.6	21.5	53.1	59.5	48.6	34.1	16.9	4.1
1997 ⁴	36.3	33.6	22.0	52.9	57.9	47.0	33.6	16.6	3.9
1996 ⁴	37.0	34.0	22.3	53.5	57.9	48.1	35.4	17.7	4.3
1995 ⁴	37.0	35.0	23.3	54.7	57.2	47.4	33.7	16.8	4.2
1994 ⁴	37.8	35.8	23.9	55.8	57.5	48.6	33.8	17.2	4.3
1993 ⁴	35.6	33.3	21.9	52.0	53.8	46.0	31.9	16.3	3.9
1992 ⁴	35.0	32.7	21.4	51.2	52.4	44.8	31.3	16.1	3.6
1991 ⁴	34.5	32.7	21.7	49.4	51.4	44.3	30.9	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

See footnotes at end of table.

Table 16. Birth rates for unmarried women, by age of mother: United States, 1970, 1975, and 1980–2008, and by age and race and Hispanic origin of mother: United States, 1980–2008—Con.

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	Age of mother								
	15–44 years 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					
White total—Con.									
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
Non-Hispanic white									
2008 ⁴	33.7	22.4	10.7	39.7	51.6	49.1	37.6	20.1	5.1
2007 ⁴	33.3	22.6	10.9	40.7	52.3	49.2	36.5	19.0	4.6
2006 ⁴	32.0	21.6	10.7	38.8	51.6	47.7	34.4	17.7	4.4
2005 ⁴	30.1	20.9	10.3	37.4	49.1	45.0	31.2	16.0	4.2
2004 ⁴	29.4	21.2	10.7	37.5	48.0	43.3	29.6	15.6	4.1
2003 ⁴	28.6	21.5	11.0	37.9	47.2	40.8	27.8	14.7	4.1
2002 ⁴	27.8	22.1	11.5	38.8	46.1	38.5	26.0	13.5	3.7
2001 ⁴	27.8	23.1	12.1	40.3	46.4	37.5	25.4	13.2	3.6
2000 ⁴	28.0	24.7	13.6	42.1	47.0	36.9	24.8	12.9	3.3
1999 ⁴	27.9	25.6	14.6	42.7	46.3	36.2	24.8	13.0	3.1
1998 ⁴	27.9	26.2	15.5	43.1	46.3	35.4	25.0	13.1	3.1
1997 ⁴	27.5	26.4	16.2	43.3	44.8	34.4	24.9	12.7	2.9
1996 ⁴	28.2	27.0	16.9	43.9	44.5	35.0	26.4	13.8	3.3
1995 ⁴	28.1	27.7	17.6	44.6	43.9	34.4	25.1	12.9	3.2
1994 ⁴	28.4	28.1	17.9	45.0	43.8	34.7	24.6	12.8	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	---
Black total									
2008 ⁴	72.5	63.0	35.5	104.4	125.6	96.3	61.7	28.9	7.7
2007 ⁴	72.6	64.1	36.3	109.1	126.5	98.3	60.3	28.4	7.5
2006 ⁴	71.5	63.5	36.6	107.8	126.0	96.9	58.6	27.6	7.2
2005 ⁴	67.8	60.6	35.4	101.6	120.7	93.8	54.0	26.1	7.1
2004 ⁴	67.2	61.7	37.0	100.9	119.8	91.8	52.0	25.8	6.8
2003 ⁴	66.3	62.2	38.1	100.4	118.0	90.4	51.2	25.3	6.5
2002 ⁴	66.2	64.8	39.9	104.1	119.2	85.9	49.9	24.9	6.3
2001 ⁴	68.1	69.9	43.8	110.2	122.8	84.1	51.1	25.4	6.3
2000 ⁴	70.5	75.0	48.3	115.0	129.0	85.9	50.2	25.4	6.3
1999 ⁴	69.7	76.5	50.0	115.8	126.8	85.5	49.0	24.2	5.8
1998 ⁴	71.6	81.5	55.0	121.5	127.8	86.5	50.5	24.3	6.0
1997 ⁴	71.5	84.5	59.0	124.8	124.2	81.4	51.0	24.3	6.5
1996 ⁴	72.8	87.5	62.6	127.2	122.6	81.2	53.4	25.2	6.1
1995 ⁴	74.5	91.2	67.4	129.2	124.6	82.3	53.3	25.3	6.0
1994 ⁴	80.8	99.3	73.9	139.6	135.2	91.3	56.5	26.0	5.9
1993 ⁴	83.0	101.2	75.9	140.0	139.9	92.8	56.7	25.7	5.8
1992 ⁴	85.7	104.8	77.2	146.4	142.6	96.8	57.3	25.6	5.4
1991 ⁴	89.0	107.8	79.9	147.7	146.4	100.0	59.8	25.5	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

See footnotes at end of table.

Table 16. Birth rates for unmarried women, by age of mother: United States, 1970, 1975, and 1980–2008, and by age and race and Hispanic origin of mother: United States, 1980–2008—Con.

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	Age of mother								
	15–44 years 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					
Asian or Pacific Islander total									
2008 ⁴	28.2	13.3	7.1	22.7	33.8	41.6	40.8	31.2	11.2
2007 ⁴	27.3	13.6	7.4	23.1	33.4	38.5	38.0	29.1	10.0
2006 ⁴	25.9	13.4	7.8	21.9	31.4	34.5	37.5	29.5	9.4
2005 ⁴	24.9	13.1	7.3	22.1	29.7	35.1	36.6	24.7	9.4
2004 ⁴	23.6	13.3	7.7	21.6	27.9	33.2	35.4	20.7	8.6
2003 ⁴	22.2	13.1	7.5	21.4	26.6	30.7	31.5	19.8	7.9
2002 ⁴	21.3	13.4	7.5	22.2	26.5	27.5	28.6	18.7	6.8
2001 ⁴	21.2	14.6	8.7	23.0	25.2	26.7	29.4	19.7	6.3
2000 ⁴	20.9	15.2	9.6	23.2	24.2	25.4	29.7	18.4	6.9
Hispanic ⁹									
2008 ⁴	105.1	68.8	43.1	112.8	156.2	162.0	126.5	69.5	16.8
2007 ⁴	108.4	71.0	43.8	120.2	166.8	167.8	129.9	66.7	15.3
2006 ⁴	106.1	70.6	43.1	119.7	164.7	163.3	124.0	62.4	15.0
2005 ⁴	100.3	68.0	42.7	112.4	150.4	153.5	118.1	59.2	14.3
2004 ⁴	95.7	67.9	43.3	110.1	138.6	143.4	109.6	56.8	13.8
2003 ⁴	92.2	66.6	43.0	107.0	133.7	136.0	99.2	54.7	13.3
2002 ⁴	87.9	66.1	43.0	105.3	131.4	123.1	88.1	51.3	12.6
2001 ⁴	87.8	67.1	44.2	104.3	132.3	120.7	91.4	49.7	12.2
2000 ⁴	87.2	68.5	47.0	102.2	130.5	121.6	89.4	46.1	12.2
1999 ⁴	84.9	68.6	48.7	99.9	126.1	119.6	84.2	42.4	11.2
1998 ⁴	82.8	69.3	49.8	101.2	120.6	115.9	78.2	38.8	12.0
1997 ⁴	83.2	69.2	50.7	100.6	122.8	114.8	78.8	40.5	12.1
1996 ⁴	86.2	69.3	49.7	102.3	131.6	122.0	84.6	41.2	12.3
1995 ⁴	88.8	73.2	52.8	108.6	135.8	122.3	84.1	42.2	12.1
1994 ⁴	95.8	77.7	55.7	115.4	144.5	131.7	91.2	47.4	13.9
1993 ⁴	91.4	71.1	49.6	108.8	134.3	130.4	87.8	47.1	14.1
1992 ⁴	92.8	70.3	49.2	106.6	138.2	133.4	89.9	47.8	14.6
1991 ⁴	92.5	71.0	49.5	107.5	134.2	135.1	88.2	47.6	14.1
1990 ^{4,8}	89.6	65.9	45.9	98.9	129.8	131.7	88.1	50.8	13.7

--- Data not available.

¹Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.²Rates computed by relating births to unmarried mothers aged 40 and over to unmarried women aged 40–44.³Includes races other than white, black, and Asian or Pacific Islander.⁴Data for states in which marital status was not reported have been inferred and included with data from the remaining states; see "Technical Notes."⁵Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see Reference 9.⁶Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see Reference 9.⁷Based on a 50 percent sample of births.⁸Rates based on data for 48 states and the District of Columbia, which reported Hispanic origin on the birth certificate. Rates for age group 35–39 are based on births to unmarried women aged 35–44.⁹Includes all persons of Hispanic origin of any race.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian or Alaska Native women because the necessary populations are not available.

Table 17. Birth rates, by age and race of father: United States, 1980–2008

[Rates are live births per 1,000 men in specified group. Populations enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	Age of father									
	15–54 years ¹	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 races³										
2008	49.4	19.0	73.1	102.2	105.2	63.6	25.5	8.3	2.6	0.4
2007	50.3	18.7	75.3	105.6	107.0	64.4	25.4	8.2	2.6	0.4
2006	49.9	17.7	74.5	106.2	105.3	64.0	25.0	8.1	2.6	0.2
2005	48.7	16.8	71.9	104.7	103.1	62.4	24.2	7.9	2.5	0.3
2004	48.8	17.0	72.4	104.9	102.5	61.7	23.9	7.7	2.4	0.3
2003	48.9	16.9	73.5	105.7	102.2	60.2	23.4	7.6	2.5	0.3
2002	48.4	17.4	75.6	105.0	99.1	57.7	22.6	7.4	2.4	0.3
2001	49.0	18.5	78.5	105.8	99.6	57.0	22.3	7.3	2.4	0.3
2000	50.0	19.8	82.1	106.5	99.5	56.3	22.2	7.3	2.5	0.3
1999	49.2	20.6	81.1	105.3	95.9	53.9	21.1	7.0	2.4	0.3
1998	49.6	21.3	82.3	104.4	94.4	53.1	21.0	7.1	2.5	0.3
1997	49.4	21.9	82.1	102.6	92.0	51.5	20.7	7.0	2.5	0.3
1996	50.2	22.7	83.4	102.8	91.3	51.1	20.5	6.9	2.5	0.3
1995	51.0	23.9	83.9	103.2	90.7	50.4	20.3	7.0	2.5	0.3
1994	52.4	24.6	85.6	105.3	91.1	50.5	20.3	7.2	2.6	0.3
1993	53.7	24.4	86.0	108.1	91.7	50.7	20.2	7.3	2.7	0.4
1992	55.3	24.4	87.1	111.1	93.0	51.1	20.4	7.3	2.7	0.4
1991	56.8	24.7	87.9	113.5	94.3	51.6	20.2	7.4	2.7	0.4
1990	58.4	23.5	88.0	116.4	97.8	53.0	21.0	7.5	2.8	0.4
1989	57.2	21.9	85.4	114.3	94.8	51.3	20.4	7.4	2.7	0.6
1988	55.8	19.6	82.4	111.6	93.2	49.9	19.9	7.1	2.7	0.4
1987	55.0	18.3	80.5	109.9	91.2	48.6	19.0	6.9	2.6	0.4
1986	54.8	17.9	80.3	109.6	90.3	46.8	18.3	6.7	2.6	0.4
1985	55.6	18.0	81.2	112.3	91.1	47.3	18.1	6.6	2.5	0.4
1984 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										
2008	46.8	15.9	67.1	101.7	104.7	61.0	23.4	7.1	2.1	0.3
2007	47.8	15.7	69.5	105.3	106.5	62.1	23.4	7.1	2.1	0.3
2006	47.5	14.8	69.0	106.0	105.0	62.0	23.1	7.0	2.1	0.1
2005	46.6	14.2	66.9	104.6	103.1	60.7	22.5	6.8	2.1	0.2
2004	46.7	14.3	67.7	105.0	102.5	60.2	22.2	6.8	2.0	0.2
2003	47.1	14.3	69.2	106.1	102.8	58.9	21.9	6.7	2.1	0.3
2002	46.4	14.8	70.8	104.8	99.4	56.4	21.0	6.6	2.0	0.3
2001	46.9	15.5	73.1	105.4	99.9	55.7	20.8	6.5	2.0	0.3
2000	47.6	16.6	75.8	105.4	99.5	54.7	20.7	6.5	2.1	0.3
1999	46.9	17.3	74.7	104.1	96.2	52.7	19.8	6.3	2.1	0.3
1998	47.1	17.7	75.6	102.7	94.3	51.9	19.6	6.3	2.1	0.3
1997	46.8	18.0	75.3	100.9	91.7	50.2	19.3	6.2	2.1	0.3
1996	47.7	18.7	76.7	101.4	91.1	49.9	19.2	6.1	2.1	0.2
1995	48.4	19.4	77.0	101.7	90.4	49.1	19.1	6.2	2.1	0.2
1994	49.3	19.5	77.4	103.1	90.4	48.9	18.9	6.3	2.2	0.3
1993	50.3	18.9	77.2	105.5	90.7	48.9	18.7	6.4	2.2	0.2
1992	51.8	18.8	77.8	108.2	91.9	49.1	18.8	6.4	2.2	0.3
1991	53.1	19.0	78.4	110.2	92.8	49.6	18.5	6.5	2.2	0.3
1990	54.6	18.1	78.3	113.2	96.1	50.9	19.2	6.5	2.2	0.3
1989	53.3	16.7	75.9	110.8	93.0	49.1	18.7	6.3	2.1	0.4
1988	52.2	14.8	73.7	108.3	91.2	47.6	18.1	6.1	2.1	0.3
1987	51.6	13.9	72.8	107.0	89.5	46.2	17.3	5.9	2.0	0.3
1986	51.7	13.8	73.3	107.0	88.7	44.4	16.6	5.7	2.0	0.3
1985	52.6	14.0	74.7	109.9	89.5	44.8	16.3	5.6	1.9	0.3
1984 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

See footnotes at end of table.

Table 17. Birth rates, by age and race of father: United States, 1980–2008—Con.

[Rates are live births per 1,000 men in specified group. Populations enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	Age of father									
	15–54 years ¹	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
Black										
2008	64.4	35.8	115.8	119.0	103.5	68.3	34.0	14.4	5.7	1.0
2007	65.4	35.5	118.2	123.9	106.1	68.2	33.5	14.0	5.8	1.0
2006	65.0	34.3	117.0	126.7	105.3	67.6	32.9	14.1	5.5	0.6
2005	62.5	32.2	112.1	123.6	101.0	64.1	31.5	13.6	5.2	0.7
2004	61.7	32.7	111.6	122.7	98.7	61.8	30.4	12.7	4.9	0.8
2003	61.0	32.5	111.9	122.3	96.2	59.9	29.6	12.4	4.9	0.9
2002	61.2	33.3	116.2	123.6	94.0	57.8	28.5	12.0	4.7	0.9
2001	63.3	36.5	124.5	125.9	95.6	57.1	28.2	11.8	4.7	1.0
2000	66.2	39.6	135.5	131.0	95.2	56.9	28.4	11.7	5.0	1.0
1999	65.4	41.0	133.8	129.6	91.6	54.3	26.5	11.2	4.9	1.0
1998	66.8	42.8	137.0	130.3	90.9	54.0	26.7	11.6	5.0	1.0
1997	66.7	45.1	136.3	126.3	88.8	52.6	26.1	11.4	5.2	1.0
1996	67.2	46.7	137.6	123.9	87.0	51.8	25.7	11.3	5.3	1.1
1995	69.1	49.9	139.2	123.9	87.7	52.0	25.7	11.9	5.4	1.1
1994	74.0	54.1	149.1	129.6	91.4	53.8	26.4	12.8	5.8	1.1
1993	77.6	56.2	152.7	134.2	94.0	56.3	27.7	13.4	6.3	1.3
1992	80.4	57.0	157.1	138.6	95.8	56.7	28.4	13.7	6.1	1.4
1991	83.0	57.8	158.5	142.0	99.2	58.5	29.4	14.1	6.7	1.4
1990	84.9	55.2	158.2	144.9	103.2	60.4	31.1	15.0	7.1	1.4
1989	84.1	52.9	153.4	143.5	101.4	59.9	31.1	14.9	6.9	2.7
1988	80.7	48.1	144.1	137.9	100.0	58.0	30.6	14.3	6.9	1.4
1987	78.3	44.6	136.1	133.9	97.4	58.0	30.0	13.8	6.6	1.3
1986	77.2	42.6	131.4	131.6	97.4	58.0	29.1	13.5	6.7	1.3
1985	77.2	41.8	129.5	132.7	97.3	59.4	29.5	13.3	6.5	1.2
1984 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

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

²Rates computed by relating births of fathers under age 20 to men aged 15–19.

³Includes races other than white and black.

⁴Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see Reference 9.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes." In this table, all men, including Hispanic men, are classified only according to their race; see "Technical Notes." Age of father was not stated for 14 percent of births in 2008. See reference 9 for information on the calculation of birth rates by age of father.

Table 18. Selected medical or health characteristics of births, by race of mother: United States, 2008

Characteristic	All races	White	Black	American Indian or Alaska Native	Asian or Pacific Islander
All births					
				Percent	
Mother					
Diabetes during pregnancy	4.6	4.4	4.1	6.4	7.7
Weight gain of less than 11 lbs	7.9	7.2	12.1	10.4	5.4
Weight gain of more than 40 lbs.	20.8	21.3	20.2	20.9	15.4
Induction of labor	23.1	24.0	20.7	21.1	17.1
CNM delivery ¹	7.5	7.5	7.1	16.9	6.0
Cesarean delivery	32.3	32.0	34.4	27.9	32.5
Infant					
Gestational age:					
Preterm ²	12.3	11.4	17.3	13.6	10.7
Early preterm ³	3.6	3.1	6.1	3.9	2.8
Late preterm ⁴	8.8	8.3	11.1	9.7	7.9
Birthweight:					
Very low birthweight ⁵	1.5	1.2	2.9	1.3	1.2
Low birthweight ⁶	8.2	7.1	13.4	7.4	8.2
4,000 grams or more ⁷	7.6	8.5	4.2	9.6	4.7
Low 5-minute Apgar ⁸	1.8	1.6	2.9	1.9	1.2
Twin birth ⁹	32.6	32.3	36.2	24.1	29.3
Triplet or higher-order birth ¹⁰	147.6	163.2	91.4	48.4	113.8

¹Births delivered by certified nurse midwives.²Born prior to 37 completed weeks of gestation.³Born prior to 34 completed weeks of gestation.⁴Born between 34 and 36 completed weeks of gestation.⁵Less than 1,500 grams (3 lb. 4 oz.).⁶Less than 2,500 grams (5 lb. 8 oz.).⁷Equivalent to 8 lb. 14 oz.⁸Score of less than 7 on a 10-point scale.⁹Live births in twin deliveries per 1,000 live births.¹⁰Live births in triplet and other higher-order multiple deliveries per 100,000 live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." In this table, all women, including Hispanic women, are classified only according to their race; see "Technical Notes."

Table 19. Selected medical or health characteristics of births, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2008

Characteristic	Origin of mother									
	All origins ¹	Hispanic						Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Percent										
All births										
Mother										
Diabetes during pregnancy	4.6	4.8	4.9	5.3	4.3	4.5	4.2	4.5	4.3	4.0
Weight gain of less than 11 lbs.	7.9	9.0	9.3	9.1	5.1	8.2	9.1	7.5	6.5	12.2
Weight gain of more than 40 lbs.	20.8	16.3	15.3	21.8	24.5	14.7	20.2	22.2	23.4	20.2
Induction of labor	23.1	17.1	16.4	19.9	19.5	15.4	21.3	25.1	27.1	20.9
CNM delivery ³	7.5	8.2	7.8	10.2	3.9	9.4	7.7	7.3	7.3	6.9
Cesarean delivery	32.3	31.0	29.7	33.6	49.1	32.1	32.7	32.8	32.4	34.5
Infant										
Gestational age:										
Preterm ⁴	12.3	12.1	11.7	14.1	13.6	12.0	13.3	12.4	11.1	17.5
Early preterm ⁵	3.6	3.3	3.1	4.4	3.8	3.3	3.8	3.6	3.0	6.3
Late preterm ⁶	8.8	8.8	8.5	9.7	9.8	8.7	9.6	8.8	8.2	11.3
Birthweight:										
Very low birthweight ⁷	1.5	1.2	1.1	1.9	1.4	1.1	1.3	1.5	1.2	3.0
Low birthweight ⁸	8.2	7.0	6.5	9.9	7.8	6.7	8.2	8.6	7.2	13.7
4,000 grams or more ⁹	7.6	7.2	7.5	5.9	7.4	7.0	5.9	7.8	9.1	4.1
Low 5-minute Apgar ¹⁰	1.8	1.3	1.3	1.6	1.1	1.1	1.8	1.9	1.7	2.9
Twin births ¹¹	32.6	22.3	20.4	30.0	33.3	24.1	25.4	35.9	36.6	36.8
Triplet or higher-order births ¹²	147.6	80.1	68.6	120.3	179.4	107.3	73.0	168.6	198.1	91.3

¹Includes origin not stated.²Includes races other than white and black.³Births delivered by certified nurse midwives.⁴Born prior to 37 completed weeks of gestation.⁵Born prior to 34 completed weeks of gestation.⁶Born between 34 and 36 completed weeks of gestation.⁷Less than 1,500 grams (3 lb. 4 oz.).⁸Less than 2,500 grams (5 lb. 8 oz.).⁹Equivalent to 8 lb. 14 oz.¹⁰Score of less than 7 on a 10-point scale.¹¹Live births in twin deliveries per 1,000 live births.¹²Live births in triplet and other higher-order multiple deliveries per 100,000 live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." 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 20. Births, by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2008

Place of delivery and race and Hispanic origin of mother	All births	Physician			Midwife				Unspecified
		Total	Doctor of medicine	Doctor of osteopathy	Total	Certified nurse midwife	Other midwife	Other	
All races¹									
Total	4,247,694	3,879,805	3,662,668	217,137	338,338	317,626	20,712	27,483	2,068
In hospital ²	4,204,699	3,876,754	3,659,956	216,798	310,044	305,385	4,659	16,650	1,251
Not in hospital	42,746	2,992	2,658	334	28,231	12,204	16,027	10,759	764
Freestanding birthing center	12,014	718	592	126	10,917	6,697	4,220	363	16
Clinic or doctor's office	474	256	247	9	104	80	24	111	3
Residence	28,357	1,507	1,337	170	16,990	5,321	11,669	9,276	584
Other	1,901	511	482	29	220	106	114	1,009	161
Not specified	249	59	54	5	63	37	26	74	53
Non-Hispanic white³									
Total	2,267,817	2,068,230	1,927,617	140,613	181,936	165,727	16,209	16,809	842
In hospital ²	2,233,808	2,066,425	1,926,090	140,335	157,820	155,569	2,251	9,073	490
Not in hospital	33,895	1,778	1,503	275	24,065	10,124	13,941	7,704	348
Freestanding birthing center	9,710	641	516	125	8,752	5,300	3,452	306	11
Clinic or doctor's office	365	183	175	8	77	60	17	103	2
Residence	23,063	794	669	125	15,066	4,696	10,370	6,915	288
Other	757	160	143	17	170	68	102	380	47
Not specified	114	27	24	3	51	34	17	32	4
Non-Hispanic black³									
Total	623,029	575,695	553,727	21,968	43,705	42,773	932	3,280	349
In hospital ²	620,191	575,012	553,079	21,933	42,817	42,237	580	2,117	245
Not in hospital	2,810	674	639	35	880	534	346	1,153	103
Freestanding birthing center	532	19	19	–	498	349	149	15	–
Clinic or doctor's office	24	14	14	–	8	6	2	1	1
Residence	1,757	428	398	30	357	164	193	896	76
Other	497	213	208	5	17	15	2	241	26
Not specified	28	9	9	–	8	2	6	10	1
Hispanic⁴									
Total	1,041,239	947,897	904,092	43,805	87,462	84,839	2,623	5,234	646
In hospital ²	1,037,312	947,532	903,740	43,792	85,243	83,813	1,430	4,127	410
Not in hospital	3,890	351	339	12	2,215	1,025	1,190	1,093	231
Freestanding birthing center	1,393	53	52	1	1,306	813	493	30	4
Clinic or doctor's office	33	14	14	–	15	10	5	4	–
Residence	2,055	183	174	9	876	189	687	825	171
Other	409	101	99	2	18	13	5	234	56
Not specified	37	14	13	1	4	1	3	14	5

– Quantity zero.

¹Includes races other than white and black and origin not stated.²Includes births occurring en route to or on arrival at hospital.³Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race.

Table 21. Births, by method of delivery and Hispanic origin of mother: United States, 1989–2008

Year	All births	Vaginal				Cesarean							
		Number				Number				Rate ¹			
		Total ²	Non-Hispanic white ³	Non-Hispanic black ³	Hispanic ⁴	Total ²	Non-Hispanic white ³	Non-Hispanic black ³	Hispanic ⁴	Total ²	Non-Hispanic white ³	Non-Hispanic black ³	Hispanic ⁴
2008	4,247,694	2,864,343	1,527,340	406,379	716,811	1,369,273	732,641	214,416	321,859	32.3	32.4	34.5	31.0
2007	4,316,233	2,933,056	1,565,555	413,088	737,478	1,367,340	735,744	211,615	322,554	31.8	32.0	33.9	30.4
2006	4,265,555	2,929,590	1,580,794	411,097	728,854	1,321,054	718,960	203,723	307,981	31.1	31.3	33.1	29.7
2005	4,138,349	2,873,918	1,579,613	392,064	698,089	1,248,815	690,260	189,287	285,376	30.3	30.4	32.6	29.0
2004	4,112,052	2,903,341	1,617,994	397,877	679,118	1,190,210	667,836	178,461	263,454	29.1	29.2	31.0	28.0
2003	4,089,950	2,949,853	1,671,414	405,671	667,656	1,119,388	637,482	167,506	241,159	27.5	27.6	29.2	26.5
2002	4,021,726	2,958,423	1,687,144	416,516	653,516	1,043,846	598,682	159,297	219,777	26.1	26.2	27.7	25.2
2001	4,025,933	3,027,993	1,746,551	435,455	648,821	978,411	567,488	151,908	199,874	24.4	24.5	25.9	23.6
2000	4,058,814	3,108,188	1,804,550	454,736	633,220	923,991	540,794	146,042	179,583	22.9	23.1	24.3	22.1
1999	3,959,417	3,063,870	1,810,682	449,580	599,118	862,086	514,051	135,508	161,035	22.0	22.1	23.2	21.2
1998	3,941,553	3,078,537	1,842,420	457,186	580,143	825,870	495,550	131,999	150,317	21.2	21.2	22.4	20.6
1997	3,880,894	3,046,621	1,829,213	451,744	563,114	799,033	481,982	126,138	142,907	20.8	20.9	21.8	20.2
1996	3,891,494	3,061,092	1,851,058	449,544	558,105	797,119	485,530	124,836	139,554	20.7	20.8	21.7	20.0
1995	3,899,589	3,063,724	1,867,024	457,104	539,731	806,722	496,103	127,171	136,640	20.8	21.0	21.8	20.2
1994	3,952,767	3,087,576	1,896,609	480,551	525,928	830,517	518,021	134,526	135,569	21.2	21.5	21.9	20.5
1993	4,000,240	3,098,796	1,902,433	496,333	514,493	861,987	542,013	139,702	136,279	21.8	22.2	22.0	20.9
1992 ⁵	4,065,014	3,100,710	1,916,414	502,669	494,338	888,622	566,788	143,153	133,369	22.3	22.8	22.2	21.2
1991 ⁵	4,110,907	3,100,891	1,941,726	507,522	472,126	905,077	587,802	142,417	129,752	22.6	23.2	21.9	21.6
1990 ⁶	4,110,563	3,111,421	1,972,754	503,720	458,242	914,096	603,467	142,838	122,969	22.7	23.4	22.1	21.2
1989 ⁷	3,798,734	2,793,463	1,806,753	440,310	385,462	826,955	556,585	125,290	105,268	22.8	23.6	22.2	21.5

¹Percentage of all live births by cesarean delivery.²Includes races other than white and black and origin not stated.³Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race.⁵Excludes data for New Hampshire, which did not report Hispanic origin.⁶Excludes data for New Hampshire and Oklahoma, which did not report data by Hispanic origin. Oklahoma did not report method of delivery.⁷Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate; data by Hispanic origin also excludes New Hampshire, which did not report Hispanic origin.

Table 22. Births, by method of delivery and by age and race and Hispanic origin of mother: United States, 2008

Age and race and Hispanic origin of mother	Number				Cesarean delivery rate ¹
	All births	Vaginal	Cesarean	Not stated	
			Number		
All races ²	4,247,694	2,864,343	1,369,273	14,078	32.3
Under 20 years	440,522	338,561	100,897	1,064	23.0
20–24 years	1,052,184	756,923	292,057	3,204	27.8
25–29 years	1,195,774	820,404	371,317	4,053	31.2
30–34 years	956,716	610,520	342,882	3,314	36.0
35–39 years	488,875	280,238	206,722	1,915	42.5
40–54 years	113,623	57,697	55,398	528	49.0
Non-Hispanic white ³	2,267,817	1,527,340	732,641	7,836	32.4
Under 20 years	169,788	130,002	39,298	488	23.2
20–24 years	511,758	369,571	140,497	1,690	27.5
25–29 years	670,814	464,276	204,289	2,249	30.6
30–34 years	562,032	362,868	197,186	1,978	35.2
35–39 years	287,453	166,697	119,603	1,153	41.8
40–54 years	65,972	33,926	31,768	278	48.4
Non-Hispanic black ³	623,029	406,379	214,416	2,234	34.5
Under 20 years	106,690	79,454	26,970	266	25.3
20–24 years	198,116	135,520	61,955	641	31.4
25–29 years	156,472	100,711	55,147	614	35.4
30–34 years	98,062	58,087	39,563	412	40.5
35–39 years	50,506	26,422	23,852	232	47.4
40–54 years	13,183	6,185	6,929	69	52.8
Hispanic ⁴	1,041,239	716,811	321,859	2,569	31.0
Under 20 years	147,240	115,586	31,393	261	21.4
20–24 years	293,054	214,239	78,165	650	26.7
25–29 years	281,319	193,945	86,611	763	30.9
30–34 years	199,984	126,249	73,210	525	36.7
35–39 years	97,235	55,419	41,543	273	42.8
40–54 years	22,407	11,373	10,937	97	49.0

¹Percentage of all live births by cesarean delivery.²Includes races other than white and black and origin not stated.³Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race.

Table 23. Births, by birthweight and gestational age and by race and Hispanic origin of mother: United States, 2008

Birthweight ¹ and race and Hispanic origin of mother	Period of gestation ²												
	All births	Preterm						Total 37–41 weeks	Term			Postterm	Not stated
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–33 weeks	34–36 weeks	37–38 weeks		39 weeks	Full			
										40–41 weeks	42 weeks and over		
Number													
All races ³	4,247,694	523,033	31,579	52,645	66,648	372,161	3,478,057	1,181,269	1,129,245	1,167,543	240,795	5,809	
Less than 500 grams	6,581	6,502	6,241	223	23	15	25	15	4	6	2	52	
500–999 grams	23,292	22,940	17,086	5,313	370	171	242	105	64	73	28	82	
1,000–1,499 grams	31,900	29,878	4,377	17,078	5,331	3,092	1,677	808	380	489	272	73	
1,500–1,999 grams	67,140	56,523	954	12,627	19,947	22,995	9,628	6,355	1,756	1,517	873	116	
2,000–2,499 grams	218,296	113,146	714	4,331	18,101	90,000	99,542	64,653	19,726	15,163	5,280	328	
2,500–2,999 grams	788,148	140,288	1,207	4,626	9,469	124,986	613,042	304,927	174,468	133,647	33,797	1,021	
3,000–3,499 grams	1,663,512	104,056	–	5,666	8,625	89,765	1,461,204	503,506	493,180	464,518	96,478	1,774	
3,500–3,999 grams	1,120,642	39,558	–	2,655	3,865	33,038	1,002,192	243,679	345,198	413,315	77,866	1,026	
4,000–4,499 grams	280,270	7,232	–	–	695	6,537	250,508	48,791	81,892	119,825	22,228	302	
4,500–4,999 grams	39,109	1,175	–	–	109	1,066	34,397	6,805	10,820	16,772	3,484	53	
5,000 grams or more	4,443	209	–	–	20	189	3,848	1,040	1,192	1,616	375	11	
Not stated	4,361	1,526	1,000	126	93	307	1,752	585	565	602	112	971	
Percent													
Very low birthweight ⁴	1.5	11.4	90.6	43.1	8.6	0.9	0.1	0.1	0.0	0.0	0.1	4.3	
Low birthweight ⁵	8.2	43.9	96.1	75.3	65.8	31.3	3.2	6.1	1.9	1.5	2.7	13.5	
Number													
Non-Hispanic white ⁶	2,267,817	252,337	12,261	23,968	31,255	184,853	1,883,722	618,355	621,430	643,937	129,433	2,325	
Less than 500 grams	2,379	2,356	2,252	82	11	11	14	8	2	4	–	9	
500–999 grams	9,526	9,335	6,663	2,388	203	81	143	49	46	48	19	29	
1,000–1,499 grams	14,737	13,825	1,877	8,019	2,459	1,470	769	364	178	227	121	22	
1,500–1,999 grams	32,497	27,627	332	6,215	10,018	11,062	4,424	2,956	780	688	400	46	
2,000–2,499 grams	104,422	56,750	294	1,817	9,248	45,391	45,115	29,656	8,712	6,747	2,439	118	
2,500–2,999 grams	368,538	69,395	483	1,741	3,836	63,335	283,218	143,211	79,707	60,300	15,565	360	
3,000–3,499 grams	865,727	49,300	–	2,356	3,326	43,618	766,488	264,528	261,519	240,441	49,247	692	
3,500–3,999 grams	661,778	18,860	–	1,293	1,710	15,857	597,396	142,483	209,227	245,686	45,070	452	
4,000–4,499 grams	178,544	3,591	–	–	343	3,248	160,813	30,172	53,248	77,393	14,012	128	
4,500–4,999 grams	25,129	598	–	–	53	545	22,230	4,075	7,053	11,102	2,278	23	
5,000 grams or more	2,598	97	–	–	6	91	2,263	568	680	1,015	233	5	
Not stated	1,942	603	360	57	42	144	849	285	278	286	49	441	
Percent													
Very low birthweight ⁴	1.2	10.1	90.7	43.9	8.6	0.8	0.0	0.1	0.0	0.0	0.1	3.2	
Low birthweight ⁵	7.2	43.7	95.9	77.5	70.3	31.4	2.7	5.3	1.6	1.2	2.3	11.9	
Number													
Non-Hispanic black ⁶	623,029	109,125	10,693	13,214	15,127	70,091	480,048	181,350	150,047	148,651	32,856	1,000	
Less than 500 grams	2,473	2,437	2,345	79	12	1	9	7	–	2	2	25	
500–999 grams	7,596	7,517	5,808	1,572	84	53	51	28	9	14	5	23	
1,000–1,499 grams	8,662	8,114	1,274	4,578	1,445	817	439	205	97	137	87	22	
1,500–1,999 grams	16,197	13,523	338	2,818	4,794	5,573	2,392	1,575	436	381	244	38	
2,000–2,499 grams	50,305	24,597	209	1,134	3,770	19,484	24,250	15,571	4,930	3,749	1,368	90	
2,500–2,999 grams	158,215	27,527	353	1,309	2,322	23,543	123,284	60,574	35,305	27,405	7,161	243	
3,000–3,499 grams	240,018	18,033	–	1,289	1,909	14,835	207,402	72,394	69,035	65,973	14,282	301	
3,500–3,999 grams	113,189	5,788	–	399	652	4,737	99,480	25,818	33,034	40,628	7,812	109	
4,000–4,499 grams	21,878	880	–	–	93	787	19,341	4,287	6,089	8,965	1,624	33	
4,500–4,999 grams	2,956	158	–	–	16	142	2,573	602	833	1,138	219	6	
5,000 grams or more	401	28	–	–	3	25	345	121	129	95	26	2	
Not stated	1,139	523	366	36	27	94	482	168	150	164	26	108	
Percent													
Very low birthweight ⁴	3.0	16.6	91.3	47.3	10.2	1.2	0.1	0.1	0.1	0.1	0.3	7.8	
Low birthweight ⁵	13.7	51.7	96.6	77.3	66.9	37.0	5.7	9.6	3.7	2.9	5.2	22.2	

See footnotes at end of table.

Table 23. Births, by birthweight and gestational age and by race and Hispanic origin of mother: United States, 2008—Con.

Birthweight ¹ and race and Hispanic origin of mother	Period of gestation ²											Not stated
	All births	Preterm						Term			Postterm	
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–33 weeks	34–36 weeks	Total 37–41 weeks	Early		Full		
								37–38 weeks	39 weeks			
Number												
Hispanic ⁷	1,041,239	125,805	6,701	11,995	15,918	91,191	851,072	292,059	270,513	288,500	62,859	1,503
Less than 500 grams	1,269	1,257	1,201	54	–	2	2	–	2	–	–	10
500–999 grams	4,757	4,702	3,625	992	64	21	29	14	8	7	3	23
1,000–1,499 grams	6,429	5,992	980	3,382	1,051	579	367	189	83	95	52	18
1,500–1,999 grams	13,596	11,335	223	2,744	3,818	4,550	2,066	1,311	406	349	174	21
2,000–2,499 grams	46,347	23,637	170	1,084	3,953	18,430	21,486	13,610	4,372	3,504	1,156	68
2,500–2,999 grams	191,394	33,457	302	1,253	2,680	29,222	149,060	73,344	42,288	33,428	8,591	286
3,000–3,499 grams	427,896	29,854	–	1,661	2,814	25,379	371,233	128,996	121,958	120,279	26,245	564
3,500–3,999 grams	274,368	12,547	–	800	1,257	10,490	241,196	60,749	80,570	99,877	20,298	327
4,000–4,499 grams	64,495	2,328	–	–	217	2,111	56,653	11,745	18,076	26,832	5,418	96
4,500–4,999 grams	8,895	348	–	–	37	311	7,730	1,729	2,355	3,646	804	13
5,000 grams or more	1,175	71	–	–	11	60	1,005	290	319	396	96	3
Not stated.	618	277	200	25	16	36	245	82	76	87	22	74
Percent												
Very low birthweight ⁴	1.2	9.5	89.3	37.0	7.0	0.7	0.0	0.1	0.0	0.0	0.1	3.6
Low birthweight ⁵	7.0	37.4	95.4	69.0	55.9	25.9	2.8	5.2	1.8	1.4	2.2	9.8

– Quantity zero.

0.0 Quantity more than zero but less than 0.05.

¹Equivalent of gram weights in pounds and ounces are shown in "Technical Notes."²Expressed in completed weeks.³Includes races other than white and black and origin not stated.⁴Birthweight of less than 1,500 grams (3 lb. 4 oz.).⁵Birthweight of less than 2,500 grams (5 lb. 8 oz.).⁶Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes."⁷Includes all persons of Hispanic origin of any race.

Table 24. Very preterm and preterm births, and very low birthweight and low birthweight births, by race and Hispanic origin of mother: United States, 1981–2008

Year	Very preterm ¹				Preterm ²			
	All races ³	Non-Hispanic		Hispanic ⁵	All races ³	Non-Hispanic		Hispanic ⁵
		White ⁴	Black ⁴			White ⁴	Black ⁴	
	Percent							
2008	1.99	1.60	3.84	1.80	12.33	11.14	17.54	12.10
2007	2.04	1.64	4.08	1.82	12.68	11.50	18.29	12.29
2006	2.04	1.66	4.08	1.80	12.80	11.70	18.46	12.25
2005	2.03	1.64	4.17	1.79	12.73	11.69	18.43	12.13
2004	2.01	1.63	4.05	1.77	12.49	11.50	17.91	12.00
2003	1.97	1.60	3.99	1.73	12.33	11.30	17.83	11.87
2002	1.96	1.56	4.04	1.72	12.08	10.98	17.66	11.61
2001	1.95	1.55	4.05	1.69	11.95	10.81	17.63	11.45
2000	1.93	1.51	4.09	1.69	11.64	10.43	17.41	11.24
1999	1.96	1.54	4.18	1.68	11.77	10.52	17.63	11.43
1998	1.96	1.52	4.15	1.72	11.59	10.24	17.60	11.43
1997	1.94	1.49	4.19	1.68	11.36	9.94	17.61	11.20
1996	1.89	1.43	4.17	1.66	10.99	9.50	17.51	10.89
1995	1.89	1.41	4.29	1.66	10.99	9.40	17.77	10.91
1994	1.91	1.39	4.36	1.67	11.02	9.27	18.18	10.94
1993	1.93	1.39	4.45	1.67	10.99	9.08	18.58	10.98
1992 ⁶	1.91	1.33	4.50	1.64	10.69	8.72	18.49	10.75
1991 ⁶	1.94	1.35	4.65	1.65	10.82	8.73	19.00	10.96
1990 ⁷	1.92	1.33	4.63	1.69	10.62	8.50	18.89	10.96
1989 ⁸	1.95	1.34	4.68	1.76	10.58	8.40	19.05	11.10
1988	1.96	---	---	---	10.22	---	---	---
1987	1.96	---	---	---	10.20	---	---	---
1986	1.90	---	---	---	9.97	---	---	---
1985	1.88	---	---	---	9.76	---	---	---
1984	1.83	---	---	---	9.40	---	---	---
1983	1.86	---	---	---	9.61	---	---	---
1982	1.84	---	---	---	9.50	---	---	---
1981	1.81	---	---	---	9.44	---	---	---

Year	Very low birthweight ⁹				Low birthweight ¹⁰			
	All races ³	Non-Hispanic		Hispanic ⁵	All races ³	Non-Hispanic		Hispanic ⁵
		White ⁴	Black ⁴			White ⁴	Black ⁴	
	Percent							
2008	1.46	1.18	3.01	1.20	8.18	7.22	13.71	6.96
2007	1.49	1.19	3.20	1.21	8.22	7.28	13.90	6.93
2006	1.49	1.20	3.15	1.19	8.26	7.32	13.97	6.99
2005	1.49	1.21	3.27	1.20	8.19	7.29	14.02	6.88
2004	1.48	1.20	3.15	1.20	8.08	7.20	13.74	6.79
2003	1.45	1.18	3.12	1.16	7.93	7.04	13.55	6.69
2002	1.46	1.17	3.15	1.17	7.82	6.91	13.39	6.55
2001	1.44	1.17	3.08	1.14	7.68	6.76	13.07	6.47
2000	1.43	1.14	3.10	1.14	7.57	6.60	13.13	6.41
1999	1.45	1.15	3.18	1.14	7.62	6.64	13.23	6.38
1998	1.45	1.15	3.11	1.15	7.57	6.55	13.17	6.44
1997	1.42	1.12	3.05	1.13	7.51	6.47	13.11	6.42
1996	1.37	1.08	3.02	1.12	7.39	6.36	13.12	6.28
1995	1.35	1.04	2.98	1.11	7.32	6.20	13.21	6.29
1994	1.33	1.01	2.99	1.08	7.28	6.06	13.34	6.25
1993	1.33	1.00	2.99	1.06	7.22	5.92	13.43	6.24
1992 ⁶	1.29	0.94	2.97	1.04	7.08	5.73	13.40	6.10
1991 ⁶	1.29	0.94	2.97	1.02	7.12	5.72	13.62	6.15
1990 ⁷	1.27	0.93	2.93	1.03	6.97	5.61	13.32	6.06
1989 ⁸	1.28	0.93	2.97	1.05	7.05	5.62	13.61	6.18
1988	1.24	---	---	---	6.93	---	---	---
1987	1.24	---	---	---	6.90	---	---	---
1986	1.21	---	---	---	6.81	---	---	---
1985	1.21	---	---	---	6.75	---	---	---
1984	1.19	---	---	---	6.72	---	---	---

See footnotes at end of table.

Table 24. Very preterm and preterm births, and very low birthweight and low birthweight births, by race and Hispanic origin of mother: United States, 1981–2008—Con.

Year	Very low birthweight ⁹				Low birthweight ¹⁰			
	All races ³	Non-Hispanic			All races ³	Non-Hispanic		
		White ⁴	Black ⁴	Hispanic ⁵		White ⁴	Black ⁴	Hispanic ⁵
1983	1.19	---	---	---	6.82	---	---	---
1982	1.18	---	---	---	6.75	---	---	---
1981	1.16	---	---	---	6.81	---	---	---

--- Data not available.

¹Births of less than 32 completed weeks of gestation.

²Births of less than 37 completed weeks of gestation.

³Includes races other than white and black and origin not stated.

⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes."

⁵Includes all persons of Hispanic origin of any race.

⁶Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.

⁷Data by Hispanic origin exclude New Hampshire and Oklahoma, which did not report Hispanic origin.

⁸Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

⁹Less than 1,500 grams (3 lb. 4 oz.).

¹⁰Less than 2,500 grams (5 lb. 8 oz.).

Table 25. Preterm and low birthweight births, by age and race and Hispanic origin of mother: United States, 2008

Age and race and Hispanic origin of mother	Preterm ¹							Low birthweight ²						
	Percent			Number				Percent			Number			
	Total	Early ³	Late ⁴	Total	Early ³	Late ⁴	Unknown	Total	Very ⁵	Moderately ⁶	Total	Very ⁵	Moderately ⁶	Unknown
All races⁷														
All ages	12.3	3.6	8.8	523,033	150,872	372,161	5,809	8.2	1.5	6.7	347,209	61,773	285,436	4,361
Under 15 years	21.3	8.4	13.0	1,225	481	744	22	12.4	3.0	9.4	712	173	539	8
15–19 years	14.0	4.5	9.4	60,611	19,604	41,007	695	9.7	1.8	7.9	42,275	7,751	34,524	483
15 years	17.8	6.4	11.4	3,034	1,084	1,950	45	11.3	2.0	9.3	1,928	342	1,586	25
16 years	16.0	5.6	10.4	6,625	2,316	4,309	93	10.3	2.0	8.3	4,258	821	3,437	46
17 years	14.5	4.7	9.7	11,120	3,646	7,474	124	9.9	1.9	8.1	7,625	1,424	6,201	93
18 years	13.9	4.5	9.4	17,367	5,637	11,730	191	9.7	1.9	7.9	12,158	2,347	9,811	140
19 years	12.9	4.0	8.9	22,465	6,921	15,544	242	9.4	1.6	7.8	16,306	2,817	13,489	179
20–24 years	12.1	3.5	8.6	126,984	36,836	90,148	1,507	8.2	1.4	6.8	86,419	14,724	71,695	1,133
25–29 years	11.4	3.2	8.2	135,579	37,780	97,799	1,542	7.4	1.3	6.1	88,381	15,560	72,821	1,175
30–34 years	11.7	3.2	8.5	112,216	30,802	81,414	1,102	7.6	1.3	6.2	72,527	12,798	59,729	892
35–39 years	13.7	4.0	9.8	67,066	19,347	47,719	733	8.9	1.7	7.2	43,473	8,255	35,218	532
40–44 years	16.3	5.0	11.3	17,289	5,283	12,006	179	11.1	2.1	9.0	11,743	2,235	9,508	119
45–54 years	27.1	9.7	17.4	2,063	739	1,324	29	22.0	3.6	18.4	1,679	277	1,402	19
Non-Hispanic white⁸														
All ages	11.1	3.0	8.2	252,337	67,484	184,853	2,325	7.2	1.2	6.0	163,561	26,642	136,919	1,942
Under 15 years	18.1	7.5	10.6	199	82	117	4	10.6	2.5	8.1	117	28	89	–
15–19 years	12.3	3.8	8.5	20,732	6,359	14,373	209	8.6	1.6	7.1	14,521	2,613	11,908	167
15 years	16.2	5.8	10.4	688	245	443	10	10.3	2.1	8.2	438	88	350	9
16 years	14.6	5.0	9.6	1,763	605	1,158	22	9.2	1.9	7.3	1,108	227	881	16
17 years	12.7	3.9	8.7	3,372	1,047	2,325	38	8.8	1.6	7.1	2,334	431	1,903	32
18 years	12.4	3.9	8.5	6,145	1,947	4,198	66	8.8	1.7	7.1	4,386	835	3,551	44
19 years	11.5	3.3	8.2	8,764	2,515	6,249	73	8.2	1.4	6.9	6,255	1,032	5,223	66
20–24 years	10.8	2.9	7.8	54,966	14,916	40,050	564	7.2	1.1	6.0	36,713	5,792	30,921	435
25–29 years	10.3	2.7	7.6	69,064	17,925	51,139	630	6.5	1.1	5.5	43,801	7,089	36,712	536
30–34 years	10.8	2.7	8.1	60,576	15,357	45,219	501	6.8	1.1	5.7	38,086	5,973	32,113	459
35–39 years	12.6	3.4	9.3	36,303	9,716	26,587	332	8.0	1.4	6.7	23,080	3,910	19,170	281
40–44 years	15.0	4.4	10.7	9,204	2,662	6,542	75	10.1	1.8	8.3	6,171	1,075	5,096	52
45–54 years	27.5	9.9	17.6	1,293	467	826	10	22.8	3.5	19.4	1,072	162	910	12

See footnotes at end of table.

Table 25. Preterm and low birthweight births, by age and race and Hispanic origin of mother: United States, 2008—Con.

Age and race and Hispanic origin of mother	Preterm ¹							Low birthweight ²						
	Percent			Number				Percent			Number			
	Total	Early ³	Late ⁴	Total	Early ³	Late ⁴	Unknown	Total	Very ⁵	Moderately ⁶	Total	Very ⁵	Moderately ⁶	Unknown
Non-Hispanic black⁸														
All ages	17.5	6.3	11.3	109,125	39,034	70,091	1,000	13.7	3.0	10.7	85,233	18,731	66,502	1,139
Under 15 years	25.5	10.2	15.3	541	216	325	7	15.8	3.5	12.3	336	74	262	5
15–19 years	17.7	6.6	11.2	18,515	6,876	11,639	191	14.1	2.9	11.2	14,686	3,007	11,679	171
15 years	20.8	8.1	12.7	1,025	398	627	17	15.0	2.6	12.3	738	130	608	7
16 years	19.6	7.7	11.9	2,115	834	1,281	33	14.1	2.9	11.2	1,527	318	1,209	17
17 years	18.1	6.8	11.3	3,405	1,273	2,132	30	14.1	2.9	11.2	2,663	550	2,113	27
18 years	17.6	6.5	11.1	5,217	1,924	3,293	43	14.0	3.0	11.0	4,161	892	3,269	48
19 years	16.8	6.1	10.7	6,753	2,447	4,306	68	14.0	2.8	11.2	5,597	1,117	4,480	72
20–24 years	16.7	5.8	10.9	33,012	11,417	21,595	315	13.4	2.7	10.7	26,454	5,356	21,098	374
25–29 years	16.9	5.9	11.0	26,403	9,246	17,157	220	13.1	2.9	10.2	20,447	4,534	15,913	258
30–34 years	17.8	6.4	11.4	17,449	6,249	11,200	136	13.5	3.3	10.3	13,220	3,185	10,035	189
35–39 years	20.3	7.7	12.6	10,227	3,884	6,343	100	15.3	3.9	11.4	7,722	1,985	5,737	106
40–44 years	22.4	8.6	13.8	2,768	1,058	1,710	27	17.7	4.4	13.3	2,182	545	1,637	29
45–54 years	26.2	11.0	15.2	210	88	122	4	23.3	5.6	17.6	186	45	141	7
Hispanic⁹														
All ages	12.1	3.3	8.8	125,805	34,614	91,191	1,503	7.0	1.2	5.8	72,398	12,455	59,943	618
Under 15 years	19.1	7.1	12.0	443	165	278	9	10.1	2.8	7.4	235	64	171	2
15–19 years	13.1	3.9	9.2	18,925	5,594	13,331	239	8.0	1.3	6.7	11,528	1,874	9,654	91
15 years	16.6	5.6	11.0	1,197	401	796	14	9.4	1.6	7.9	682	112	570	8
16 years	14.6	4.6	9.9	2,483	787	1,696	35	8.6	1.4	7.2	1,469	245	1,224	11
17 years	13.8	4.2	9.6	3,925	1,184	2,741	45	8.3	1.4	6.9	2,374	404	1,970	18
18 years	13.0	3.8	9.2	5,317	1,544	3,773	66	7.8	1.3	6.4	3,186	550	2,636	27
19 years	11.8	3.3	8.5	6,003	1,678	4,325	79	7.5	1.1	6.4	3,817	563	3,254	27
20–24 years	11.4	3.1	8.3	33,262	8,953	24,309	454	6.6	1.0	5.6	19,386	3,026	16,360	180
25–29 years	11.1	2.9	8.2	31,190	8,276	22,914	365	6.3	1.1	5.2	17,580	2,976	14,604	171
30–34 years	12.1	3.3	8.9	24,265	6,578	17,687	249	6.8	1.3	5.5	13,548	2,503	11,045	107
35–39 years	14.3	4.0	10.2	13,847	3,903	9,944	151	8.0	1.6	6.4	7,784	1,571	6,213	53
40–44 years	16.9	5.0	11.9	3,581	1,058	2,523	30	10.1	1.9	8.1	2,134	404	1,730	14
45–54 years	25.2	7.5	17.7	292	87	205	6	17.4	3.2	14.2	203	37	166	.

– Quantity zero.

¹Less than 37 completed weeks of gestation.

²Less than 2,500 grams.

³Less than 34 completed weeks of gestation.

⁴34–36 completed weeks of gestation.

⁵Less than 1,500 grams.

⁶1,500–2,499 grams.

⁷Includes races other than white and black and origin not stated.

⁸Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see “Technical Notes.”

⁹Includes all persons of Hispanic origin of any race.

Table 26. Births, by plurality and by age and race and Hispanic origin of mother: United States, 2008

Plurality and race and Hispanic origin of mother	Age of mother										
	All ages	Under 15 years	15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–54 years
			Total	15–17 years	18–19 years						
Number											
All live births											
All races ¹	4,247,694	5,764	434,758	135,664	299,094	1,052,184	1,195,774	956,716	488,875	105,973	7,650
Non-Hispanic white ²	2,267,817	1,104	168,684	42,991	125,693	511,758	670,814	562,032	287,453	61,268	4,704
Non-Hispanic black ²	623,029	2,131	104,559	34,656	69,903	198,116	156,472	98,062	50,506	12,377	806
Hispanic ³	1,041,239	2,326	144,914	52,872	92,042	293,054	281,319	199,984	97,235	21,242	1,165
Live births in single deliveries											
All races ¹	4,102,766	5,698	427,824	133,913	293,911	1,027,560	1,157,828	915,691	462,958	99,385	5,822
Non-Hispanic white ²	2,180,421	1,086	166,202	42,504	123,698	500,218	648,082	534,840	269,850	56,752	3,391
Non-Hispanic black ²	599,536	2,107	102,217	34,035	68,182	191,313	149,999	93,415	47,993	11,764	728
Hispanic ³	1,017,139	2,302	143,031	52,268	90,763	287,648	274,755	194,125	93,843	20,465	970
Live births in twin deliveries											
All races ¹	138,660	66	6,850	1,723	5,127	24,157	36,350	39,023	24,319	6,207	1,688
Non-Hispanic white ²	82,903	18	2,452	475	1,977	11,296	21,527	25,726	16,460	4,211	1,213
Non-Hispanic black ²	22,924	24	2,319	617	1,702	6,699	6,330	4,521	2,371	588	72
Hispanic ³	23,266	24	1,852	592	1,260	5,304	6,367	5,581	3,206	750	182
Live births in higher-order multiple deliveries ⁴											
All races ¹	6,268	–	84	28	56	467	1,596	2,002	1,598	381	140
Non-Hispanic white ²	4,493	–	30	12	18	244	1,205	1,466	1,143	305	100
Non-Hispanic black ²	569	–	23	4	19	104	143	126	142	25	6
Hispanic ³	834	–	31	12	19	102	197	278	186	27	13
All multiple births											
Ratio per 1,000 live births											
All races ¹	34.1	11.5	15.9	12.9	17.3	23.4	31.7	42.9	53.0	62.2	239.0
Non-Hispanic white ²	38.5	*	14.7	11.3	15.9	22.5	33.9	48.4	61.2	73.7	279.1
Non-Hispanic black ²	37.7	11.3	22.4	17.9	24.6	34.3	41.4	47.4	49.8	49.5	96.8
Hispanic ³	23.1	10.3	13.0	11.4	13.9	18.4	23.3	29.3	34.9	36.6	167.4
Twin births											
All races ¹	32.6	11.5	15.8	12.7	17.1	23.0	30.4	40.8	49.7	58.6	220.7
Non-Hispanic white ²	36.6	*	14.5	11.0	15.7	22.1	32.1	45.8	57.3	68.7	257.9
Non-Hispanic black ²	36.8	11.3	22.2	17.8	24.3	33.8	40.5	46.1	46.9	47.5	89.3
Hispanic ³	22.3	10.3	12.8	11.2	13.7	18.1	22.6	27.9	33.0	35.3	156.2
Higher-order multiple births ⁴											
Ratio per 100,000 live births											
All races ¹	147.6	*	19.3	20.6	18.7	44.4	133.5	209.3	326.9	359.5	1,830.1
Non-Hispanic white ²	198.1	*	17.8	*	*	47.7	179.6	260.8	397.6	497.8	2,125.9
Non-Hispanic black ²	91.3	*	22.0	*	*	52.5	91.4	128.5	281.2	202.0	*
Hispanic ³	80.1	*	21.4	*	*	34.8	70.0	139.0	191.3	127.1	*

– Quantity zero.

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

¹Includes races other than white and black and origin not stated.²Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes."³Includes all persons of Hispanic origin of any race.⁴Greater than twin deliveries.

Table 27. Twin and triplet and higher-order multiple births, by race and Hispanic origin of mother: United States, 1980–2008

Year and race and Hispanic origin of mother	Total births	Twin births	Triplet or higher-order births	Twin birth rate ¹	Multiple birth rate ²	Triplet or higher-order birth rate ³
All races ⁴						
2008	4,247,694	138,660	6,268	32.6	34.1	147.6
2007	4,316,233	138,961	6,427	32.2	33.7	148.9
2006	4,265,555	137,085	6,540	32.1	33.7	153.3
2005	4,138,349	133,122	6,694	32.2	33.8	161.8
2004	4,112,052	132,219	7,275	32.2	33.9	176.9
2003	4,089,950	128,665	7,663	31.5	33.3	187.4
2002	4,021,726	125,134	7,401	31.1	33.0	184.0
2001	4,025,933	121,246	7,471	30.1	32.0	185.6
2000	4,058,814	118,916	7,325	29.3	31.1	180.5
1999	3,959,417	114,307	7,321	28.9	30.7	184.9
1998	3,941,553	110,670	7,625	28.1	30.0	193.5
1997	3,880,894	104,137	6,737	26.8	28.6	173.6
1996	3,891,494	100,750	5,939	25.9	27.4	152.6
1995	3,899,589	96,736	4,973	24.8	26.1	127.5
1994	3,952,767	97,064	4,594	24.6	25.7	116.2
1993	4,000,240	96,445	4,168	24.1	25.2	104.2
1992	4,065,014	95,372	3,883	23.5	24.4	95.5
1991	4,110,907	94,779	3,346	23.1	23.9	81.4
1990	4,158,212	93,865	3,028	22.6	23.3	72.8
1989	4,040,958	90,118	2,798	22.3	23.0	69.2
1988	3,909,510	85,315	2,385	21.8	22.4	61.0
1987	3,809,394	81,778	2,139	21.5	22.0	56.2
1986	3,756,547	79,485	1,814	21.2	21.6	48.3
1985	3,760,561	77,102	1,925	20.5	21.0	51.2
1984	3,669,141	72,949	1,653	19.9	20.3	45.1
1983	3,638,933	72,287	1,575	19.9	20.3	43.3
1982	3,680,537	71,631	1,484	19.5	19.9	40.3
1981	3,629,238	70,049	1,385	19.3	19.7	38.2
1980	3,612,258	68,339	1,337	18.9	19.3	37.0
Non-Hispanic white ⁵						
2008	2,267,817	82,903	4,493	36.6	38.5	198.1
2007	2,310,333	83,632	4,559	36.2	38.2	197.3
2006	2,308,640	83,108	4,805	36.0	38.1	208.1
2005	2,279,768	82,223	4,966	36.1	38.2	217.8
2004	2,296,683	83,346	5,590	36.3	38.7	243.4
2003	2,321,904	81,691	5,922	35.2	37.7	255.0
2002	2,298,156	79,949	5,754	34.8	37.3	250.4
2001	2,326,578	77,882	5,894	33.5	36.0	253.3
2000	2,362,968	76,018	5,821	32.2	34.6	246.3
1999	2,346,450	73,964	5,909	31.5	34.0	251.8
1998	2,362,462	71,270	6,206	30.2	32.8	262.8
1997	2,333,363	67,191	5,386	28.8	31.1	230.8
1996	2,358,989	65,523	4,885	27.8	29.8	207.1
1995	2,382,638	62,370	4,050	26.2	27.9	170.0
1994	2,438,855	62,476	3,721	25.6	27.1	152.6
1993	2,472,031	61,525	3,360	24.9	26.2	135.9
1992 ⁶	2,527,207	60,640	3,115	24.0	25.2	123.3
1991 ⁶	2,589,878	60,904	2,612	23.5	24.5	100.9
1990 ⁷	2,626,500	60,210	2,358	22.9	23.8	89.8

See footnotes at end of table.

Table 27. Twin and triplet and higher-order multiple births, by race and Hispanic origin of mother: United States, 1980–2008—Con.

Year and race and Hispanic origin of mother	Total births	Twin births	Triplet or higher-order births	Twin birth rate ¹	Multiple birth rate ²	Triplet or higher-order birth rate ³
Non-Hispanic black⁵						
2008	623,029	22,924	569	36.8	37.7	91.3
2007	627,191	23,101	612	36.8	37.8	97.6
2006	617,247	22,702	580	36.8	37.7	94.0
2005	583,759	21,254	616	36.4	37.5	105.5
2004	578,772	20,605	577	35.6	36.6	99.7
2003	576,033	20,010	631	34.7	35.8	109.5
2002	578,335	20,064	591	34.7	35.7	102.2
2001	589,917	19,974	531	33.9	34.8	90.0
2000	604,346	20,173	506	33.4	34.2	83.7
1999	588,981	18,920	561	32.1	33.1	95.2
1998	593,127	18,589	518	31.3	32.2	87.3
1997	581,431	17,472	523	30.0	30.9	90.0
1996	578,099	16,873	425	29.2	29.9	73.5
1995	587,781	16,622	340	28.3	28.9	57.8
1994	619,198	17,934	357	29.0	29.5	57.7
1993	641,273	18,115	314	28.2	28.7	49.0
1992 ⁶	657,450	18,294	346	27.8	28.4	52.6
1991 ⁶	666,758	18,243	367	27.4	27.9	55.0
1990 ⁷	661,701	17,646	306	26.7	27.1	46.2
Hispanic⁸						
2008	1,041,239	23,266	834	22.3	23.1	80.1
2007	1,062,779	23,405	857	22.0	22.8	80.6
2006	1,039,077	22,698	787	21.8	22.6	75.7
2005	985,505	21,723	761	22.0	22.8	77.2
2004	946,349	20,351	723	21.5	22.3	76.4
2003	912,329	19,472	784	21.3	22.2	85.9
2002	876,642	18,128	737	20.7	21.5	84.1
2001	851,851	17,257	710	20.3	21.1	83.3
2000	815,868	16,470	659	20.2	21.0	80.8
1999	764,339	15,388	583	20.1	20.9	76.3
1998	734,661	15,015	553	20.4	21.2	75.3
1997	709,767	13,821	516	19.5	20.2	72.7
1996	701,339	13,014	409	18.6	19.1	58.3
1995	679,768	12,685	355	18.7	19.2	52.2
1994	665,026	12,206	348	18.4	18.9	52.3
1993	654,418	12,294	321	18.8	19.3	49.1
1992 ⁶	643,271	11,932	239	18.5	18.9	37.2
1991 ⁶	623,085	11,356	235	18.2	18.6	37.7
1990 ⁷	595,073	10,713	235	18.0	18.4	39.5

¹Number of live births in twin deliveries per 1,000 live births.²Number of live births in all multiple deliveries per 1,000 live births.³Number of live births in triplet and other higher-order deliveries per 100,000 live births.⁴Includes races other than white and black and origin not stated.⁵Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with 1977 Office of Management and Budget standards. Thirty states reported multiple-race data for 2008 that were bridged to single-race categories for comparability with other states; see "Technical Notes." Multiple-race reporting areas vary for 2003–2008; see "Technical Notes."⁶Excludes data for New Hampshire, which did not report Hispanic origin.⁷Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.⁸Includes all persons of Hispanic origin of any race.

Technical Notes

Source of data

Data shown in this report for 2008 are based on 100 percent of the birth certificates filed in all states and the District of Columbia. The data are provided to the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). Information on the percentage of records with missing information for maternal and infant characteristics included in this report is shown by state in [Table I](#). Methodological and measurement information for these characteristics is available in the *User Guide to the 2008 Natality Public Use File* (9).

1989 and 2003 revisions of U.S. Standard Certificate of Live Birth

This report includes 2008 data on items that are collected on both the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 revision (revised). The 2003 revision is described in detail elsewhere (6,7). Twenty-seven states and one territory—California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York (including New York City), North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Vermont, Washington, Wyoming, and Puerto Rico—implemented the revised birth certificate as of January 1, 2008. The 27 revised states represent 65 percent of all 2008 U.S. births.

This report presents information on selected data items comparable between the 1989 and 2003 birth certificate revisions. A number of topics formerly presented in this annual report—day of birth, month of birth, sex, weight gain during pregnancy, pregnancy risk factors, obstetric procedures, Apgar score, and congenital anomalies—will no longer be discussed each year but will be presented on an occasional basis. Detailed tabulations on these topics are available in [Internet Tables I-2, 3, 5, and 6](#).

Key data items not comparable between the 1989 and 2003 birth certificate revisions—educational attainment, prenatal care, tobacco use during pregnancy, and type of cesarean and vaginal delivery, as well as data exclusive to the 2003 birth certificate revision (e.g., neonatal intensive care unit or NICU admission, diabetes type) will be presented in an upcoming report. Tabulations on these topics are available in the *User Guide* (9). An earlier report presents selected information exclusive to the 2003 revision for 2006 (10).

Beginning with the 2007 data file, items exclusive to the 1989 certificate revision (e.g., maternal anemia, ultrasound, alcohol use) are not included in the natality public-use data files. These data are available upon request.

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 two states (Nevada and Virginia) and American Samoa. From 1964 through 1996, mother's age was edited for ages 10–49 years. Births reported as occurring to mothers under age 10 or over age 49 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 was imputed for ages 9 and under and 55 and over. This procedure was used through 2006 for births in states using the 1989 certificate. Beginning in 2003 for births occurring in revised states, a wider age range is used—age of mother is imputed for ages 8 and under and 65 and over (mothers aged 9 are recoded as aged 10). Starting in 2007, the same procedures are used for states using the 1989 certificate. A review and verification of unedited data for several years including 2007 showed that the vast majority of births reported as occurring to women aged 50 and over were to women aged 50–54. In this report, tables labeled 45–49 years, 45–54 years, and 50–54 years include births to mothers up to age 64.

The numbers of births to women aged 50 and over have been too small historically to compute age-specific birth rates. These births have been included with births to women aged 45–49 for computing birth rates. In 2008, age of mother was not reported on 0.01 percent of the records; for these records, age of mother was imputed according to the last record with the same race and total birth order.

Hispanic origin and race

Hispanic origin

Hispanic origin and race are reported separately on the birth certificate. Data for specified Hispanic groups are shown in most cases for five groups: Mexican, Puerto Rican, Cuban, Central and South American, and "other and unknown Hispanic." In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women are reported as white. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race. In tabulations that include Hispanic origin, data for non-Hispanic persons are classified according to the race of the mother, due to substantial differences in fertility and maternal and infant health characteristics between Hispanic and non-Hispanic white women.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all states and the District of Columbia, Virgin Islands, and Guam since 1993, and on the birth certificate of Puerto Rico starting in 2005 (9). American Samoa and Northern Marianas do not collect this information.

The Hispanic origin question on the 2003 revision of the birth certificate asks respondents to select only one response. Occasionally, however, more than one Hispanic origin response is given, that is, a specified Hispanic group (Mexican, Puerto Rican, Cuban, or Central and South American) in combination with one or more other specified Hispanic group(s). When this occurs, all responses are collected. These procedures have been in place since the first revision year, 2003. In 2008, 0.1 percent of births in the revised-state reporting area were to women reporting more than one Hispanic origin. Respondents who select more than one Hispanic origin on the birth certificate are classified as "other Hispanic." The Hispanic origin question on the 1989 revision of the birth certificate also offers the opportunity to report more than one origin; however, NCHS processing guidelines for unrevised data allow only for coding the first Hispanic origin listed.

Women who report more than one Hispanic origin on the 2003 revised birth certificate are included in the category "other and unknown

Table I. Percentage of birth records in which specified items not stated: United States, each state and territory, New York City, and District of Columbia, 2008

[By place of residence]

Area	Items common to both 1989 and 2003 revisions of U.S. Standard Certificate of Live Birth							
	All births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Hispanic origin	
							Mother	Father
Total of reporting areas ¹	4,247,694	0.0	0.0	0.3	14.0	19.0	0.8	15.3
Alabama	64,546	0.0	0.0	0.3	19.9	20.7	0.0	19.9
Alaska	11,442	0.1	0.9	0.4	10.9	14.2	1.4	20.0
Arizona	99,442	0.0	0.0	0.1	12.7	16.1	0.7	14.2
Arkansas	40,669	0.0	0.0	0.3	20.6	23.3	0.3	20.8
California	551,779	0.0	0.1	0.1	7.5	9.7	1.6	7.9
Colorado	70,031	0.0	0.0	0.2	8.2	12.3	1.1	9.7
Connecticut	40,399	0.0	0.1	0.2	11.1	12.7	0.3	11.3
Delaware	12,090	—	0.1	0.4	21.3	26.1	0.1	25.0
District of Columbia	9,130	—	—	0.1	27.8	41.6	0.3	28.0
Florida	231,445	0.0	0.0	0.2	15.7	27.2	0.2	17.4
Georgia	146,603	0.0	0.0	1.5	15.3	29.3	2.2	21.5
Hawaii	19,484	—	0.1	0.2	6.7	10.8	0.1	6.8
Idaho	25,149	0.0	0.0	0.2	8.5	17.8	1.3	11.8
Illinois	176,795	0.0	0.0	0.1	13.7	15.1	0.1	15.0
Indiana	88,742	0.0	0.0	0.5	12.8	16.9	0.1	7.8
Iowa	40,224	0.0	0.0	0.4	13.1	20.8	0.0	15.7
Kansas	41,833	—	0.0	0.0	11.9	17.8	0.2	11.2
Kentucky	58,375	0.0	0.0	0.4	18.6	22.5	0.1	16.7
Louisiana	65,268	—	0.0	0.0	17.8	19.3	0.0	18.1
Maine	13,609	0.0	0.0	—	10.2	11.5	0.3	13.0
Maryland	77,289	—	0.0	0.1	16.9	24.7	0.0	18.0
Massachusetts	77,022	0.0	0.0	0.5	9.2	10.7	0.5	9.4
Michigan	121,127	0.0	0.1	0.1	15.8	17.5	0.3	39.8
Minnesota	72,421	—	0.1	0.4	13.0	19.4	1.2	14.6
Mississippi	44,947	—	0.0	0.1	22.3	22.5	0.0	22.6
Missouri	80,963	—	0.0	0.0	18.9	20.8	0.2	19.2
Montana	12,594	—	0.0	0.0	9.0	11.8	2.4	11.5
Nebraska	26,989	—	0.0	0.1	12.8	24.1	0.0	13.2
Nevada	39,506	0.0	0.0	0.5	17.2	19.8	1.7	18.6
New Hampshire	13,683	—	—	0.1	8.3	12.8	1.1	8.5
New Jersey	112,710	0.0	0.0	0.1	7.9	11.0	0.3	8.6
New Mexico	30,173	—	0.0	0.2	17.4	21.4	0.5	17.6
New York (excludes New York City)	128,132	0.0	0.0	0.1	11.5	16.3	0.7	12.3
New York City	122,251	0.0	0.1	0.7	15.0	16.6	4.3	18.7
North Carolina	130,839	—	0.0	0.0	16.9	17.1	0.1	18.3
North Dakota	8,938	—	—	0.5	8.0	11.8	1.2	10.5
Ohio	148,821	—	0.0	0.5	17.8	21.3	0.7	18.5
Oklahoma	54,781	—	0.0	0.0	14.0	16.6	0.1	16.0
Oregon	49,096	—	0.0	0.1	9.4	16.6	0.0	0.3
Pennsylvania	149,273	0.0	0.0	3.8	14.1	14.0	1.3	7.9
Rhode Island	12,048	0.0	—	0.2	12.9	19.0	15.0	25.0
South Carolina	63,071	—	0.1	0.0	28.5	34.2	0.4	28.9
South Dakota	12,071	—	—	0.1	11.5	11.8	0.0	11.6
Tennessee	85,560	0.0	0.1	0.3	17.2	24.7	0.1	17.3
Texas	405,554	0.0	0.2	0.1	14.8	28.0	0.1	14.8
Utah	55,634	—	0.0	0.3	9.6	10.9	0.7	10.2
Vermont	6,339	0.0	—	0.0	8.0	10.9	0.2	10.4
Virginia	106,686	0.0	0.0	0.1	14.2	16.4	0.1	14.3
Washington	90,321	—	0.0	0.2	8.3	21.4	1.9	13.2
West Virginia	21,501	0.1	0.0	0.1	11.9	13.8	0.2	13.7
Wisconsin	72,261	0.0	—	0.1	35.9	35.9	0.0	35.8
Wyoming	8,038	0.0	—	0.3	14.5	20.2	1.7	17.4
Puerto Rico	45,620	0.0	0.2	0.1	3.5	5.0	0.1	4.8
Virgin Islands	1,784	—	0.3	0.1	19.5	20.0	5.0	45.0
Guam	3,455	0.0	—	0.0	22.6	23.2	0.0	23.2
American Samoa	1,332	—	—	5.7	38.0	37.9	—	—
Northern Marianas	1,265	—	0.6	0.2	8.9	8.7	—	—

See footnotes at end of table.

Table I. Percentage of birth records in which specified items not stated: United States, each state and territory, New York City, and District of Columbia, 2008—Con.

[By place of residence]

Items common to both 1989 and 2003 revisions of U.S. Standard Certificate of Live Birth							
Area	Live-birth order	Length of gestation	Number of prenatal visits	Birthweight	5-minute Apgar score	Weight gain	Method of delivery ²
Total of reporting areas ¹	0.6	0.1	4.1	0.1	0.7	6.3	0.3
Alabama	0.1	0.1	0.7	0.1	0.2	0.9	0.8
Alaska	3.9	0.4	8.6	0.3	0.7	10.1	1.5
Arizona	0.0	0.0	0.1	0.0	0.1	1.4	0.6
Arkansas	0.3	0.2	2.9	0.0	0.2	6.0	0.5
California ³	0.1	0.3	3.3	0.0	2.2	10.5	0.0
Colorado	0.1	0.1	2.0	0.1	0.2	4.4	0.0
Connecticut	0.0	0.0	0.5	0.0	0.1	0.7	0.3
Delaware	0.0	0.1	0.3	0.0	0.1	1.4	0.0
District of Columbia	5.6	0.2	19.0	0.0	0.4	12.5	0.1
Florida	0.4	0.1	4.6	0.0	0.2	7.1	0.0
Georgia	6.7	0.5	29.5	0.7	0.7	34.6	1.4
Hawaii	0.0	0.1	3.2	0.1	0.4	9.5	0.5
Idaho	0.1	0.0	0.4	0.0	0.4	0.9	0.0
Illinois	0.1	0.1	6.2	0.1	0.3	6.7	0.8
Indiana	0.1	0.1	0.7	0.1	0.4	1.1	0.1
Iowa	0.1	0.0	0.1	0.1	0.3	1.0	0.0
Kansas	0.0	0.1	1.4	0.0	0.3	2.3	0.0
Kentucky	0.0	0.0	2.5	0.1	0.2	1.9	0.1
Louisiana	0.0	0.0	0.3	0.1	0.1	1.6	0.1
Maine	0.2	0.1	0.2	0.1	0.2	0.9	0.3
Maryland	0.4	0.1	1.7	0.0	0.3	2.7	0.8
Massachusetts	0.6	0.5	1.7	0.6	0.6	1.7	0.8
Michigan	0.1	0.1	2.8	0.2	0.2	4.0	0.1
Minnesota	0.3	0.1	3.4	0.0	0.3	7.8	0.7
Mississippi	0.0	0.1	0.6	0.1	0.4	2.8	0.5
Missouri	0.5	0.1	4.8	0.0	0.5	5.6	0.9
Montana	0.2	0.2	6.5	0.0	0.3	8.1	0.0
Nebraska	0.5	0.0	0.3	0.0	0.1	2.3	0.0
Nevada	1.1	0.6	11.6	0.0	0.8	9.2	0.9
New Hampshire	2.6	0.2	3.8	0.1	0.2	9.2	0.0
New Jersey	0.1	0.0	0.7	0.0	0.1	0.7	1.0
New Mexico	2.9	0.1	6.4	0.2	0.2	18.4	0.1
New York (excludes New York City)	2.3	0.2	7.0	0.2	0.5	5.5	0.5
New York City	0.4	0.0	2.3	0.0	0.2	5.3	0.3
North Carolina	0.1	0.0	1.4	0.1	0.3	3.8	0.7
North Dakota	0.0	0.0	1.1	0.0	0.1	1.2	—
Ohio	1.9	0.1	10.6	0.1	0.2	8.7	0.1
Oklahoma	0.1	0.1	1.3	0.1	0.3	3.2	0.7
Oregon	0.9	0.0	1.4	0.0	0.1	2.7	0.0
Pennsylvania	0.6	0.4	8.1	0.3	0.5	13.1	0.1
Rhode Island	2.2	0.1	4.0	0.1	0.6	12.7	0.3
South Carolina	0.0	0.0	0.7	0.1	0.2	1.8	0.1
South Dakota	0.1	0.1	0.8	0.1	0.3	2.3	0.0
Tennessee	0.5	0.2	6.0	0.0	1.0	4.6	0.0
Texas	0.0	0.0	0.4	0.0	1.4	0.8	0.0
Utah	0.1	0.0	2.8	0.0	0.2	4.3	0.9
Vermont	0.6	0.1	0.8	0.0	0.1	3.4	—
Virginia	0.0	0.0	0.1	0.1	0.1	3.0	0.7
Washington	1.5	0.2	8.4	0.2	0.4	7.5	0.0
West Virginia	0.0	0.0	0.9	0.1	0.3	1.3	0.5
Wisconsin	0.0	0.0	1.9	0.0	0.4	2.0	0.0
Wyoming	0.6	0.1	1.2	0.1	0.3	9.0	0.1
Puerto Rico	—	0.1	0.4	0.3	0.7	0.9	0.0
Virgin Islands	0.7	0.4	5.9	0.4	1.2	28.8	1.0
Guam	0.3	0.0	1.1	0.2	0.4	3.3	0.4
American Samoa	—	—	—	0.1	—	—	—
Northern Marianas	7.8	1.0	7.4	1.1	1.0	1.6	5.5

0.0 Quantity more than zero but less than 0.05.

— Quantity zero.

--- Data not available.

¹Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Commonwealth of the Northern Marianas.²Not-stated levels for states that implemented the 2003 U.S. Standard Certificate of Live Birth are derived from "Final route and method of delivery" item only.³Reports date on which last normal menses began but does not report clinical estimate of gestation.

Hispanic.” However, the Current Population Survey (58), on which the denominators are based, queries respondents who report more than one Hispanic origin to obtain a single origin only (i.e., a “multiple” Hispanic category is not available) (59). As a result, the population-based rates shown in this report for “other Hispanic” women are slightly higher (about 1 percent) than if births to women reporting more than one Hispanic origin were excluded from this category.

Change in births to “other and unknown Hispanic” women—The number of births to “other and unknown Hispanic” women increased from 85,404 in 2007, to 115,045 in 2008. This number has risen substantially each year since 2005. Factors that may have influenced this rise are not clear but may include less specificity in respondent reporting of Hispanic origin (e.g., “Hispanic” in lieu of “Mexican” or “Puerto Rican”) and increases in the populations of groups included in the “other Hispanic” category. Postcensal population estimates indicate that the number of “other Hispanic” women of childbearing age (excluding Central and South American) has risen 11 percent from 2005 through 2008, with a 6 percent rise in 2008 from 2007 (8,58). The increase in births to “other and unknown Hispanic” women will be explored in more depth in upcoming reports.

The 27 revised states and Minnesota accounted for 76 percent of Hispanic births in the United States in 2008. The percentage of records for which Hispanic origin of the parents was not reported in 2008 is shown by state in [Table I](#).

For additional information on the reporting of Hispanic origin, see the User Guide (9).

Single, multiple, and ‘bridged’ race of mother and father

In 1997, the Office of Management and Budget (OMB) issued “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity,” which revised the “1977 Statistical Policy Directive 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting” (11,60). These documents specify guidelines for collecting, tabulating, and presenting race and ethnicity data within the federal statistical system. The 1997 revised standards incorporated two major changes designed to reflect the changing racial and ethnic profile of the United States. First, the revision increased from four to five the minimum set of categories to be used by federal agencies for identification of race. The 1977 standards required federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native (AIAN), Asian or Pacific Islander (API), black, and white. The five categories for race specified in the 1997 standards are: AIAN, Asian, black or African American, Native Hawaiian or Other Pacific Islander (NHOPI), and white. The revised standards called for reporting Asians separately from NHOPI. The revised standards also require federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the 1997 revised standards. However, the National Vital Statistics System, which is based on data collected by the states, will not be fully compliant with the new

standards until all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations); see “Population denominators.” To compute rates, it is necessary to “bridge” population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

In 2008, multiple race was reported by California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York (including New York City), North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Vermont, Washington, and Wyoming, all of which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as Hawaii, Minnesota, and Utah, which used the 1989 revision. Puerto Rico, which revised its birth certificate in 2005, reported race according to the 1989 certificate revision. Less than 2 percent of mothers in these states reported more than one race (9). These 30 states represent 68 percent of all U.S. resident births in 2008. Prior to 2008, the multiple-race reporting states varied, with 6 states reporting more than one race in 2003, 15 in 2004, 19 in 2005, 23 in 2006, and 27 in 2007. Data from the vital records of the remaining 20 states, the District of Columbia, and territories followed the 1977 OMB standards in which only a single race is reported (60). In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards compared with the minimum of five races for the 1997 standards.

To provide uniformity and comparability of data during the transition period before multiple-race data are available for all reporting areas, bridging the responses of those who reported more than one race to a single race is necessary. The bridging procedure for multiple-race mothers and fathers is based on the procedure used to bridge multiracial population estimates; see “Population denominators” (61). Multiple race is imputed to a single race (AIAN, API, black, or white) according to the combination of races, Hispanic origin, sex, and age of the mother or father indicated on the birth certificate. The imputation procedure is described in detail elsewhere (62,63).

Where race of the mother is not reported, if the race of the father is known, the race of the father is assigned to the mother. When information is not available for either parent, the race of the mother is imputed according to the specific race of the mother on the preceding record with a known race of mother; see the User Guide (9).

Beginning with the 1989 data year, NCHS started tabulating its birth data primarily by race of mother. In 1988 and prior years, births were tabulated by race of child, which was determined from the race of the parents as entered on the birth certificate (9).

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

For detailed information and discussion on race of mother and father, see the User Guide (9).

Characteristics of labor and delivery, method of delivery, and gestational age

For information and discussion on characteristics of labor and delivery, method of delivery, and gestational age, see the User Guide (9).

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:

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

4,500–4,999 grams = 9 lb. 15 oz.–11 lb. 0 oz.
 5,000 grams or more = 11 lb. 1 oz. or more

Computations of percentages, percent distributions, and means

For information and discussion on computations of percentages, percent distributions, and means, see the User Guide (9).

Population denominators

Birth and fertility rates for 2008 shown in [Tables A and B, 1, 3–5, 7–9, 13–14, and 17](#) are based on populations estimated from the 2000 census as of July 1, 2008. These populations are shown in [Table II](#). The population estimates have been provided by the U.S. Census Bureau (64) and are based on the 2000 census counts by age, race, and sex, which have been modified to be consistent with OMB racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere (61,65,66).

Birth and fertility rates by state shown in [Tables B and 12](#) are based on state-level population estimates projected from the 2000 census provided by the U.S. Census Bureau (64). Birth and fertility

Table II. Estimated total population, by race and Hispanic origin, and estimated female population, by age and by race and Hispanic origin of women: United States, 2008

[Populations estimated as of July 1]

Race and Hispanic origin	Total population	Female population											
		15–44 years	10–14 years	15–19 years								40–44 years	45–49 years
				Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years			
All races and origins	304,059,724	61,918,946	9,792,158	10,487,094	6,252,044	4,235,050	10,213,553	10,392,787	9,638,739	10,424,980	10,761,793	11,565,799	
White													
Total ¹	245,240,252	48,272,238	7,585,793	8,103,429	4,825,129	3,278,300	7,980,468	8,089,023	7,447,089	8,125,286	8,526,943	9,337,533	
Non-Hispanic ²	201,743,519	38,512,852	5,793,077	6,383,124	3,771,124	2,612,000	6,394,486	6,379,860	5,750,253	6,514,488	7,090,641	8,080,151	
Black													
Total ¹	40,366,208	9,329,598	1,600,650	1,767,162	1,059,117	708,045	1,605,983	1,576,871	1,404,511	1,475,196	1,499,875	1,532,740	
Non-Hispanic ²	38,312,684	8,866,414	1,508,472	1,679,481	1,005,012	674,469	1,531,005	1,497,756	1,326,232	1,399,454	1,432,486	1,474,755	
American Indian or Alaska Native													
Total ¹	3,421,898	767,234	133,828	150,853	89,813	61,040	145,351	134,016	112,318	111,310	113,386	118,643	
Asian or Pacific Islander													
Total ¹	15,031,366	3,549,876	471,887	465,650	277,985	187,665	481,751	592,877	674,821	713,188	621,589	576,883	
Hispanic ³													
Total	46,943,613	10,534,491	1,947,806	1,869,373	1,145,684	723,689	1,717,210	1,843,606	1,824,648	1,733,199	1,546,455	1,353,976	
Mexican	30,979,148	6,925,713	1,350,927	1,265,599	764,311	501,288	1,151,084	1,246,056	1,209,154	1,131,019	922,801	791,490	
Puerto Rican	4,130,041	964,960	189,887	191,077	125,077	66,000	162,750	143,734	165,066	140,131	162,202	147,292	
Cuban	1,644,455	313,777	42,951	48,748	36,332	12,416	49,187	46,288	52,207	61,640	55,707	50,791	
Other ⁴	10,190,049	2,330,043	364,043	363,949	219,966	143,983	354,193	407,536	398,217	400,412	405,736	364,404	

¹Includes persons of Hispanic origin.

²Persons of Hispanic origin may be of any race.

³Includes all persons of Hispanic origin of any race.

⁴Includes Central and South American and other and unknown Hispanic.

NOTES: Population count estimates are based on the 2000 census; see "Technical Notes." Race categories are consistent with 1977 Office of Management and Budget standards. Multiple-race population estimates were bridged to single-race categories for comparability with birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See References 58 and 64.

rates for the territories except Puerto Rico shown in [Table 12](#) are based on population estimates from the U.S. Census Bureau's International Data Base (67). Rates for Puerto Rico are based on population estimates from the U.S. Census Bureau (68). Rates by state and territory shown in this report may differ from rates computed on the basis of other population estimates; rates for smaller population subgroups such as those for teenaged mothers may be particularly affected by differences in population estimates. Birth and fertility rates by month shown in [Internet Table I-2](#) are based on monthly population estimates also based on the 2008 estimates. Rates for unmarried women shown in [Tables C, 15, and 16](#) are based on distributions of the population by marital status averaged over a 3-year period for 2007–2009 as reported by the U.S. Census Bureau in the March Current Population Survey (CPS) for each year (69–71), which have been adjusted to July 2008 population levels (64) by the NCHS Division of Vital Statistics (72). Birth and fertility rates for the Hispanic population, shown in [Tables 5, 7–9, and 14](#), are based on estimates of the total Hispanic population as of July 1, 2008 (64). Rates for Hispanic subgroups are based on special population estimates and are presented in [Table II](#) (58). More information about the populations for Hispanic subgroups is presented elsewhere (73).

The populations by race used in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are based on the 2000 census counts. Reflecting the new OMB guidelines issued in 1997, the 2000 census included an option for persons to report more than one race as appropriate for themselves and household members (11). In addition, the 1997 OMB guidelines called for the reporting of Asian persons separately from NHOPI. In the earlier 1977 OMB guidelines, data for API persons were collected as a single group (60). For the non-multiple-race reporting areas (20 states, the District of Columbia, and territories except Puerto Rico), birth certificates currently report only one race for each parent in the categories specified in the 1977 OMB guidelines (see "Hispanic origin and race"). In addition, birth certificate data for the states using the 1989 birth certificate revision do not report Asians separately from NHOPI. Thus, birth certificate data by race (the numerators for birth and fertility rates) currently are largely incompatible with the population data collected in the 2000 census (the denominators for the rates).

To produce birth and fertility rates for 1991 through 2008, the reported population data for multiple-race persons were bridged to single-race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB racial categories, that is, to report the data for Asian and NHOPI persons as the combined category of API (64). The procedures used to produce the bridged populations is described in a separate publication (61). Beginning with births occurring in 2003, several states began reporting multiple-race data. Once all states revise their birth certificates to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

The population data used to compile birth and fertility rates by race and ethnicity shown in this report are based on special estimation procedures and are not actual counts. This is the case even for the 2000 populations that are based on the 2000 census. As a result, the estimation procedures used to develop these populations may contain some errors. Smaller populations, for example, AIAN, are likely to be affected much more than larger populations by potential measurement error (61). Although the nature and magnitude of error is unknown, the

potential for error should be kept in mind when evaluating trends and differentials. As more accurate information becomes available, further revisions of the estimates may be necessary.

For additional information and discussion on the population denominators, see the User Guide (9).

Computation of rates

For information and discussion on computations of rates, see the User Guide (9).

Random variation and significance testing for natality data

For information and discussion on random variation and significance testing for natality data, see the User Guide (9).

Definitions of medical terms

For definitions and discussion of maternal and infant health characteristics, see *Guide to Completing the Facility Worksheets for the Certificate of Live Birth and Report of Fetal Death* (74).

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National Center for Health Statistics

Edward J. Sondik, Ph.D., *Director*
Jennifer H. Madans, Ph.D., *Associate Director for Science*

Division of Vital Statistics

Charles J. Rothwell, M.S., *Director*

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES

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

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