

## Births: Final Data for 2005

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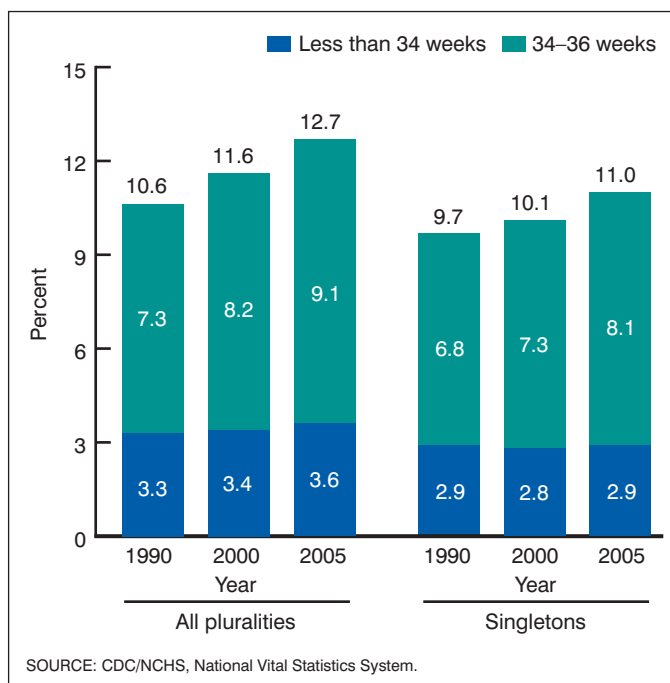
### Abstract

**Objectives**—This report presents 2005 data on U.S. births according to a wide variety of characteristics. Data are presented for maternal demographic characteristics including age, live-birth order, race, Hispanic origin, marital status, and educational attainment; maternal lifestyle and health characteristics (medical risk factors, weight gain, and tobacco use); medical care utilization by pregnant women (prenatal care, obstetric procedures, characteristics of labor and/or delivery, attendant at birth, and method of delivery); and infant characteristics (period of gestation, birthweight, Apgar score, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's state of residence are shown, as well as data on month and day of birth, sex ratio, and age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

**Methods**—Descriptive tabulations of data reported on the birth certificates of the 4.1 million births that occurred in 2005 are presented. Denominators for population-based rates are postcensal estimates derived from the U.S. 2000 census.

**Results**—In 2005, 4,138,349 births were registered in the United States, 1 percent more than in 2004. The 2005 crude birth rate was 14.0, unchanged from the previous year; the general fertility rate increased slightly to 66.7. Teenage childbearing continued to decline, dropping to the lowest levels recorded. Rates for women aged 20–29 were fairly stable, whereas childbearing among women 30 years of age and older increased. All measures of unmarried childbearing rose substantially in 2005. Smoking during pregnancy continued to decline. No improvement was seen in the timely initiation of prenatal care. The cesarean delivery rate climbed to more than 30 percent of all births, another all-time high. Preterm and low birthweight rates also continued to rise; the twin birth rate was unchanged and the rate of triplet and higher order multiple births declined for the 7th consecutive year.

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



**Figure 1. Preterm birth rates for all births and for singletons only: United States, 1990, 2000, and 2005**

### Highlights

- In 2005, a total of 4,138,349 **births** were registered in the United States, a 1 percent increase over 2004. The total number of births has generally increased since 1997. The number of birth declined slightly for non-Hispanic white women, but increased for all other race and Hispanic origin groups between 2004 and 2005.
- The 2005 **crude birth rate** for the U.S. was 14.0, unchanged from 2004. The **general fertility rate**, increased slightly between 2004 and 2005, to 66.7 live births per 1,000 women aged 15–44 years. Fertility rates were essentially unchanged for non-Hispanic white and non-Hispanic black women between 2004 and 2005; the rate

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increased 2 percent for Hispanic women and American Indian or Alaska Native (AIAN) women, but decreased slightly for Asian or Pacific Islander (API) women.

- **Birth rates for teenagers** continued to fall in 2005, but the pace of decline slowed for the second successive year. The overall rate for teenagers 15–19 years dropped 1 percent to 40.5 per 1,000. This rate has fallen 34 percent since the recent peak in 1991. Declines were more prominent for young teenagers 15–17 years. Their rate fell 3 percent to 21.4 births per 1,000, the lowest ever recorded in the 65 years for which comparable data are available. The rate for the youngest teenagers, 10–14 years, was unchanged at 0.7 per 1,000, the rate for older teenagers, 18–19 years, was essentially unchanged at 69.9 per 1,000. Birth rates for non-Hispanic white and black teenagers 15–19 each fell 3 percent, and rates for Hispanic and API teenagers declined 1 to 2 percent. The rate for AIAN teenagers increased very slightly. During the 1991–2005 period, the rate for non-Hispanic black teenagers fell nearly one-half, and rates for non-Hispanic white, AIAN, and API teenagers declined 37 to 40 percent each. The rate for Hispanic teenagers has fallen more slowly, 22 percent overall during this period.
- The **birth rate for women aged 20–24 years** was 102.2 per 1,000 women, a small increase over the record low set in 2004. The birth rate for **women aged 25–29 years**, 115.5 births per 1,000 women, was unchanged from 2004 and has been fairly stable since 2002. Birth rates were up for all age groups 30 years and older. The **rate for women aged 30–34 years** increased slightly, to 95.8. Birth rates for **women 35–39 and 40–44 years** each rose 2 percent (46.3 and 9.1 per 1,000 in 2005). The rate for **women 45–49 years of age** increased for the first time since 2000, to 0.6 per 1,000. The number of births to **women aged 50–54 years** rose again in 2005, to 417.
- The **first birth rate** increased slightly in 2005, to 26.5 births per 1,000 women aged 15–44 years. **The mean or average age at first birth** for U.S. women was 25.2 years in 2005, unchanged since 2003. The mean age at first birth has risen nearly 4 years since 1970. Mean age at first birth was highest for API women (28.5 years) and lowest for AIAN women (21.7 years).
- **Childbearing by unmarried women** increased substantially in 2005 for the third consecutive year. The birth rate, the number of births, and the percentage of births to unmarried women each rose 9 to 12 percent during 2002–2005. During the years 1995–2002, changes in these measures were moderate. The birth rate jumped 3 percent from 2004 to 2005 to 47.5 births per 1,000 unmarried women aged 15–44 years, the highest rate reported in the more than six decades for which national estimates are available. **The number of nonmarital births** climbed to 1,527,034, 4 percent more than in 2004, and 12 percent more than in 2002. The 2005 total is also a record high for the Nation. **The proportion of infants born to unmarried women** rose to 36.9 percent in 2005. The increase in the nonmarital birth rate primarily reflects increases in rates for women aged 18 years and older. The rate for young unmarried teenagers 15–17 years continued to fall and has declined 38 percent since 1994. In 2005, the proportion of nonmarital births to teenagers fell to 23 percent (from 31 percent in 1995), and women in their twenties accounted for 60 percent (up from 53 percent a decade earlier).
- **Cigarette smoking during pregnancy** was reported in two distinct formats in 2005. Information for 36 states was based on a simple “Yes/No” question on any tobacco use during pregnancy (unrevised data). The 11 states that have implemented the 2003 revision of the birth certificate collect information on smoking for each trimester of pregnancy. For the 36 unrevised states, prenatal smoking declined slightly from 10.9 percent in 2004 to 10.7 percent in 2005. The smoking rate in the 11 states that used the new tobacco use question in 2005 was 12.4 percent. Smoking rates are highest for women in age groups 18–24 years and for women who attended but did not complete high school. Smoking during pregnancy has long been associated with an elevated risk for a low birthweight (LBW) outcome. In the revised states in 2005, 11.9 percent of babies born to smokers were LBW compared with 7.5 percent of babies born to nonsmokers.
- For the second consecutive year, **timely initiation of prenatal care** did not improve in the United States. Prenatal care utilization had risen fairly steadily from 1990 to 2003; levels for 2003–2004 were unchanged. Timing of prenatal care was reported in two noncomparable formats in 2005. For the 37 state reporting area, 83.9 percent of mothers began care within the first 3 months of pregnancy, a small decline from the level for this same reporting area for 2004 (84.2 percent). For the 12 revised states, 70.2 percent of mothers were reported to have begun care within the first 3 months of pregnancy. Among the seven state reporting area for which comparable data are available from revised certificates for 2004–2005, essentially no change was observed in the percentage of women receiving 1st trimester care.
- The **rate of induction of labor** rose 5 percent in 2005, to 22.3 percent. This level has more than doubled since 1990 (9.5 percent). Induction rates have increased among newborns of all gestational ages over this 15 year period.
- The **cesarean delivery** rate rose to more than 30 percent of all births in 2005 (30.3 percent), a 4-percent increase over 2004 and a new U.S. record. The rate increased for all ages, and for all racial and ethnic groups between 2004 and 2005. The cesarean rate fell sharply between 1989 and 1996, but has risen 46 percent since.

The increase in the total cesarean rate over this period reflects the steep rise in the rate of primary (first) cesarean deliveries, and the decline in rate of vaginal birth after cesarean delivery (VBAC). Cesarean rates increased for infants at all gestational ages between 1996 and 2005.

- The **preterm birth rate** rose another 2 percent in 2005, to 12.7 percent of all births. The percentage of infants delivered at less than 37 completed weeks of gestation has climbed 20 percent since 1990, and 9 percent since only 2000. The increase for 2004–2005 was primarily associated with a rise in late preterm (34–36 weeks) infants; the late preterm rate has risen 25 percent since 1990 (**Figure 1**). Preterm birth rates were up significantly among each of the largest race and Hispanic origin groups: non-Hispanic white, non-Hispanic black, and Hispanic women. Although multiple births have contributed importantly to the rise, substantial increases in preterm birth rates, especially *late* preterm rates, are also noted for singleton births since 1990 (**Figure 1**).
- The **LBW rate** rose again in 2005 to 8.2 percent, matching levels reported nearly 40 years earlier. The percentage of infants born at less than 2,500 grams has risen 8 percent since 2000, and 17 percent since 1990. Increases were seen between 2004 and 2005 for very low (less than 1,500 grams) and moderately LBW (1,500–2,499 grams) infants, and for each of the largest racial/ethnic groups. The LBW rate for infants born in single deliveries was also up for 2004–2005; singleton LBW has risen 7 percent since 2000.
- The **twin birth rate** was 32.2 twins per 1,000 births, for 2005, the same as in 2004. The twin birth rate rose steadily between 1990 and 2004, climbing an average 3 percent a year for a total increase of 42 percent since 1990, and 70 percent since 1980. The rate of triplet/+ births declined in 2005 for the 7th consecutive year, to 161.8 triplet and higher order births per 100,000 live births. The triplet/+ birth rate soared 400 percent between 1980 and 1998, but has trended downward since. As with all births, preterm birth rates have also been on the rise for twins and triplets over the recent 15 year period.

## Introduction

This report presents detailed data on numbers and characteristics of births in 2005, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and change in this country and in individual states. Data on maternal characteristics such as weight gain, tobacco use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, characteristics of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of low birthweight and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 2005 presented data on selected topics based on a substantial sample (99.2 percent) of the 2005 birth file (1). Findings for the selected measures (age, race, Hispanic origin, and marital status of mother, live-birth order, cesarean delivery, preterm births, and low birthweight) based on the preliminary data are very similar to those presented here based on final data. In addition to the tabulations included in this report, more detailed analysis of national birth patterns is possible by using the Natality public-use file which is issued for each year. The data file is available in CD-ROM format and may be downloaded at <http://www.cdc.gov/nchs/>. Note that beginning with 2005, the file no longer includes geographic detail. A selection of tables of detailed data are also available on the National Center for Health Statistics (NCHS) home page. (2,3).

A new data access and analysis tool—Vital Stats—has recently become available <http://www.cdc.gov/nchs/VitalStats.htm> (4). Vital Stats currently includes birth data for 2000–2005 with access to interactive pre-built tables, and the ability to build tables using more than 100 variables from the Natality public-use files. Vital Stats also includes interactive charting and mapping tools.

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

This report includes 2005 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 (5–7). Twelve states, Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington, and Puerto Rico implemented the revised birth certificate on or before January 1, 2005. Vermont also implemented the revised birth certificate in 2005, but after January 1. The 12 revised states that implemented as of January 1, 2005, represent 31 percent of all births.

Data items exclusive to either the 1989 (i.e., maternal anemia, ultrasound, and alcohol use) or the 2003 birth certificate revision (i.e., NICU admission, and maternal morbidity) are not shown in this report. Supplemental 2005 tables for data exclusive to the 1989 Revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)), including alcohol use during pregnancy. A recent report presented selected information exclusive to the 2003 revision for 2004 (8); a forthcoming report will present these data for 2005.

## 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 the Commonwealth of the Northern Marianas. However, these areas are not included in totals for the United States.

Race and Hispanic origin are reported independently on the birth certificate. In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because the majority of women of Hispanic origin are reported as white. Most tables in this report show data for these categories: non-Hispanic white, non-Hispanic black, and Hispanic. Data 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 an 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.

In 1997, the Office of Management and Budget (OMB) issued “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity” (10–12). 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 revised standards called for reporting of Asians separately from Native Hawaiian or Other Pacific Islander. The revised standards also require federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the 1997 revised standards. However, the National Vital Statistics System, which is based on data collected by the states, will not be fully compliant with the new standards until all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see “Population denominators”). In order to compute rates, it is necessary to “bridge” population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of “bridged” populations can be discontinued.

For the 2005 data year, multiple race was reported by Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont (for births occurring from July 1, 2005, only), and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as, California, Hawaii, Michigan (for births at selected facilities only), Ohio, Utah, and Minnesota, which used the 1989 revision of the U.S. Standard Certificate of Live Birth. The 19 states with complete reporting of multiple race represent 50.9 percent of all U.S. resident births in 2005. Data from the vital records of the remaining states, the District of Columbia, New York City, and the territories followed the 1977 OMB standards in which a single race is reported (10,11). In addition, these areas also report the minimum set of four race categories as stipulated in the 1977 standards, compared with the minimum of five race categories for the 1997 standards.

To provide uniformity and comparability of birth data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to “bridge” the responses of those who reported more than one race to a single-race. In brief, multiple race is imputed to a single race (one of the following: AIAN, API, black, or white) according to the combination of races, Hispanic origin, sex, and age

indicated on the birth certificate of the mother or father (12–15). See “[Technical Notes](#).” A recent report describes characteristics of births to multiple-race women for 2003 (16).

Information on educational attainment, prenatal care, tobacco use, primary cesarean delivery, and vaginal birth after previous cesarean delivery, although collected on both the 1989 and the 2003 revisions of the U.S. Standard Certificates of Live Birth, is not considered comparable between revisions, and, accordingly, are presented separately in this report. Data for these items exclude Vermont, which revised after January 1, 2005. See “[Technical Notes](#).”

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

Information on births by age, race, or marital status of mother is imputed if it is not reported on the birth certificate. These items were not reported for less than 1 percent of U.S. births in 2005. (See “[Technical Notes](#)” for additional information.) All other maternal, paternal and infant characteristics (except items on which length of gestation is calculated) are not imputed. Births for which a particular characteristic is unknown are subtracted from the figures for total births that are used as denominators before percentages and percent distributions are computed. Levels of incomplete reporting vary substantially by specific item and by state. [Table I](#) in the “[Technical Notes](#)” provides information on the percentage of records with missing information for each item by state for 2005.

## Demographic Characteristics

### Births and birth rates

#### Number of births

In 2005, a total of 4,138,349 **births** were registered in the United States, 26,297 or 1 percent more than in 2004. After a downward trend from 1990 to 1997, the total number of births has generally increased, but remains below the number in 1990 (4,158,212), the most recent peak (See [Tables 1–15](#) for national and state data by age, live-birth order, race, and Hispanic origin.)

The number of births to non-Hispanic white women decreased 1 percent in 2005, whereas births increased by 1 percent for non-Hispanic black women, and 4 percent for Hispanic women ([Table 5](#)). Births also increased for Asian or Pacific Islander (API) women and American Indian or Alaska Native (AIAN) women, by 1 and 2 percent, respectively. Among the specified Hispanic groups, births increased by 2 percent for Mexican, 3 percent for Puerto Rican, 5 percent for Central and South American, and 8 percent for Cuban women.

#### Crude birth rate

In 2005, the crude birth rate (CBR) was 14.0 live births per 1,000 women (total population), unchanged from 2004. After dropping steadily from 1990 (16.7, the most recent peak) to 1997 (14.2), the CBR has fluctuated between 13.9 and 14.4 per 1,000 ([Tables 1 and 5](#)).

## Fertility rate

The **general fertility rate** (GFR) in 2005 was 66.7 live births per 1,000 women of childbearing age (15–44 years), a slight increase over the 2004 rate (66.3). Between 1990 and 1997, the GFR decreased substantially, from 70.9 to 63.6. Since 1998, the rate has generally increased, except for brief declines during 2001 and 2002 (Figure 2 and Tables 1 and 5).

The GFRs for non-Hispanic white and non-Hispanic black women were essentially unchanged between 2004 and 2005, whereas the rate for Hispanic women rose by 2 percent (Table 5). Among the specified Hispanic origin groups, fertility rates for Mexican, “other” Hispanic (includes Central and South American and unspecified Hispanic subgroups), and Puerto Rican women were up 1, 4, and 5 percent, respectively, whereas the rate for Cuban women declined. The fertility rate for AIAN women increased by 2 percent in 2005, whereas the rate for API women decreased slightly (Table 1).

## Age of mother

**Teenagers**—The birth rate for teenagers 15–19 years continued to fall in 2005, but the rate of decline slowed markedly for the second consecutive year compared with the reductions reported over the dozen years extending from 1991 to 2003. The rate for 2005 nonetheless was the lowest ever recorded in the 65 years for which comparable data are available for the U.S. (Tables A, 3, 4, 8, and 9) (17). Teenage childbearing is an ongoing public health and public policy concern. Infants born to teenage mothers are at risk for poor birth outcomes (including elevated rates of low birthweight and preterm birth). Teenage mothers have limited educational levels, resulting in fewer economic resources for themselves and their children. A recent study found that the public costs of teenage childbearing in the U.S. are about \$9.1 billion annually (18).

The **birth rate for the youngest teenagers remained at** 0.7 births per 1,000 females aged 10–14 years in 2005 as in 2004, compared with 0.6 in 2003; the 2005 rate was about one-half the rate

reported a decade earlier (1.3 per 1,000 in 1995) (19). The number of births to adolescents 10–14 years was 6,722, slightly fewer than the 6,781 reported in 2004 (see Table 2 for 2005 data). The vast majority of these births were to females aged 13–14 years, 97 percent in 2005.

The **birth rate for teenagers 15–19 years** declined 1 percent to 40.5 births per 1,000 females (Tables A, 4, and 8). The 2005 rate was 34 percent lower than the rate for the recent peak in 1991 (61.8). (See Figures 3 and 4.) The number of births to teenagers 15–19 declined very slightly to 414,593, the fewest reported since 1946. Births to 15–19-year-olds in the U.S. peaked in 1970 (644,708) (17).

The **birth rate for teenagers 15–17 years** dropped 3 percent in 2005, to 21.4. Since 1991, this rate has fallen 45 percent (from 38.6 per 1,000). Births to 15–17-year-olds fell to 133,191, the fewest in more than half a century (126,950 in 1950).

The **birth rate for older teenagers 18–19 years** was essentially unchanged in 2005 at 69.9 per 1,000 (70.0 in 2004). The rate has dropped 26 percent since 1991. The number of births to older teenagers increased very slightly to 281,402; this number was still fewer than in any year since the first year of the post-World War II baby-boom (235,282 in 1946).

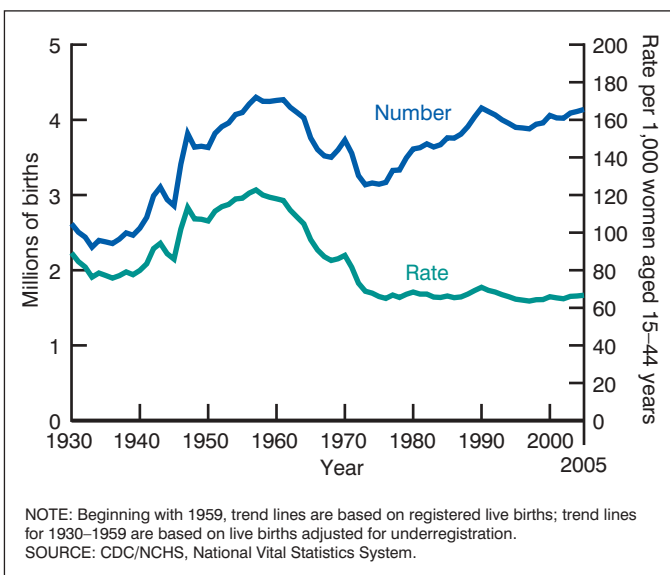
Birth rates for white and black non-Hispanic teenagers each fell 3 percent in 2005, to 25.9 and 60.9 per 1,000. The rate for AIAN teenagers increased very slightly (52.7), and rates for Hispanic and API teenagers declined 1 to 2 percent each. Among Hispanic subgroups, rates changed little for Mexican (93.4 per 1,000 aged 15–19 years) and Puerto Rican teenagers (63.3). Mexican teenagers continue to have the highest birth rate, whereas the rate for API teenagers is lowest, 17.0 (Tables A, 4, and 8).

The steepest declines in teenage birth rates during 1991–2005 have been measured for non-Hispanic black teenagers. Overall, their rate fell 48 percent during this period, and for young black teenagers 15–17 years, the rate dropped three-fifths, from 86.1 per 1,000 in 1991 to 34.9 in 2005 (Table A).

**Teenage pregnancy rates fell substantially from 1990 to 2002.** Pregnancy rates are computed from the sums of live births, induced abortions, and fetal losses. Currently, teenage pregnancy rates are available through 2002, the most recent year for which detailed national abortion estimates are available (20–23). The teenage pregnancy rate in 2002 was 76.4 per 1,000 females aged 15–19 years, the lowest rate reported since the CDC/NCHS series of national estimates first became available, in 1976 (20,21). The rate dropped 35 percent from its 1990 peak (116.8) to 2002. Within population subgroups, the rate dropped more steeply for young teenagers 15–17 (by 42 percent) compared with older teenagers (25 percent). Rates fell for both births and abortions, but the declines were larger for abortions.

Pregnancy rates for non-Hispanic black and Hispanic teenagers were very similar in 2002 (138.9 and 135.2, respectively), and were each more than 2.5 times the rate for non-Hispanic white teenagers, 49.0. Trends in pregnancy rates by race and Hispanic origin show 40-percent declines in the rates for non-Hispanic white and black teenagers during 1990–2002, and a 19-percent decline for Hispanic teenagers.

Although national abortion data for years since 2002 are not available, information from the Centers for Disease Control and Prevention’s (CDC) Abortion Surveillance system for 2003 for 46 States, the District of Columbia, and New York City suggest a continued decline in the numbers and rate of abortions for teenagers (24). These declines



**Figure 2. Live births and fertility rates: United States, 1930–2005**

**Table A. Birth rates for women aged 10–19 years, by age, race, and Hispanic origin: United States, 1991, 2003, 2004, and 2005, and percent change in rates, 1991–2005 and 2004–2005**

[Rates per 1,000 women in specified group]

| Age and race and<br>Hispanic origin of mother                     | 2005  | 2004  | 2003  | 1991  | Percent<br>change,<br>2004–2005 | Percent<br>change,<br>1991–2005 |
|---|-------|-------|-------|-------|---------------------------------|---------------------------------|
| <b>10–14 years</b>  |       |       |       |       |                                 |                                 |
| All races . . . . .   | 0.7   | 0.7   | 0.6   | 1.4   | 0                               | –50                             |
| White, non-Hispanic . . . . .                                     | 0.2   | 0.2   | 0.2   | 0.5   | 0                               | –60                             |
| Black, non-Hispanic . . . . .                                     | 1.7   | 1.6   | 1.6   | 4.9   | 6                               | –65                             |
| American Indian or<br>Alaska Native, total <sup>1</sup> . . . . . | 0.9   | 0.9   | 1.0   | 1.6   | 0                               | –44                             |
| Asian or<br>Pacific Islander, total <sup>1</sup> . . . . .        | 0.2   | 0.2   | 0.2   | 0.8   | 0                               | –75                             |
| Hispanic <sup>2</sup> . . . . .                                   | 1.3   | 1.3   | 1.3   | 2.4   | 0                               | –46                             |
| <b>15–19 years</b>  |       |       |       |       |                                 |                                 |
| All races . . . . .   | 40.5  | 41.1  | 41.6  | 61.8  | –1                              | –34                             |
| White, non-Hispanic . . . . .                                     | 25.9  | 26.7  | 27.4  | 43.4  | –3                              | –40                             |
| Black, non-Hispanic . . . . .                                     | 60.9  | 63.1  | 64.7  | 118.2 | –3                              | –48                             |
| American Indian or<br>Alaska Native, total <sup>1</sup> . . . . . | 52.7  | 52.5  | 53.1  | 84.1  | 0                               | –37                             |
| Asian or<br>Pacific Islander, total <sup>1</sup> . . . . .        | 17.0  | 17.3  | 17.4  | 27.3  | –2                              | –38                             |
| Hispanic <sup>2</sup> . . . . .                                   | 81.7  | 82.6  | 82.3  | 104.6 | –1                              | –22                             |
| <b>15–17 years</b>  |       |       |       |       |                                 |                                 |
| All races . . . . .   | 21.4  | 22.1  | 22.4  | 38.6  | –3                              | –45                             |
| White, non-Hispanic . . . . .                                     | 11.5  | 12.0  | 12.4  | 23.6  | –4                              | –51                             |
| Black, non-Hispanic . . . . .                                     | 34.9  | 37.1  | 38.7  | 86.1  | –6                              | –59                             |
| American Indian or<br>Alaska Native, total <sup>1</sup> . . . . . | 30.5  | 30.0  | 30.6  | 51.9  | 2                               | –41                             |
| Asian or<br>Pacific Islander, total <sup>1</sup> . . . . .        | 8.2   | 8.9   | 8.8   | 16.3  | –8                              | –50                             |
| Hispanic <sup>2</sup> . . . . .                                   | 48.5  | 49.7  | 49.7  | 69.2  | –2                              | –30                             |
| <b>18–19 years</b>  |       |       |       |       |                                 |                                 |
| All races . . . . .   | 69.9  | 70.0  | 70.7  | 94.0  | 0                               | –26                             |
| White, non-Hispanic . . . . .                                     | 48.0  | 48.7  | 50.0  | 70.6  | –1                              | –32                             |
| Black, non-Hispanic . . . . .                                     | 103.0 | 103.9 | 105.3 | 162.2 | –1                              | –36                             |
| American Indian or<br>Alaska Native, total <sup>1</sup> . . . . . | 87.6  | 87.0  | 87.3  | 134.2 | 1                               | –35                             |
| Asian or<br>Pacific Islander, total <sup>1</sup> . . . . .        | 30.1  | 29.6  | 29.8  | 42.2  | 2                               | –29                             |
| Hispanic <sup>2</sup> . . . . .                                   | 134.6 | 133.5 | 132.0 | 155.5 | 1                               | –13                             |

<sup>1</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget standards. Nineteen states reported multiple race data for 2005. Multiple race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states; see "Technical Notes."

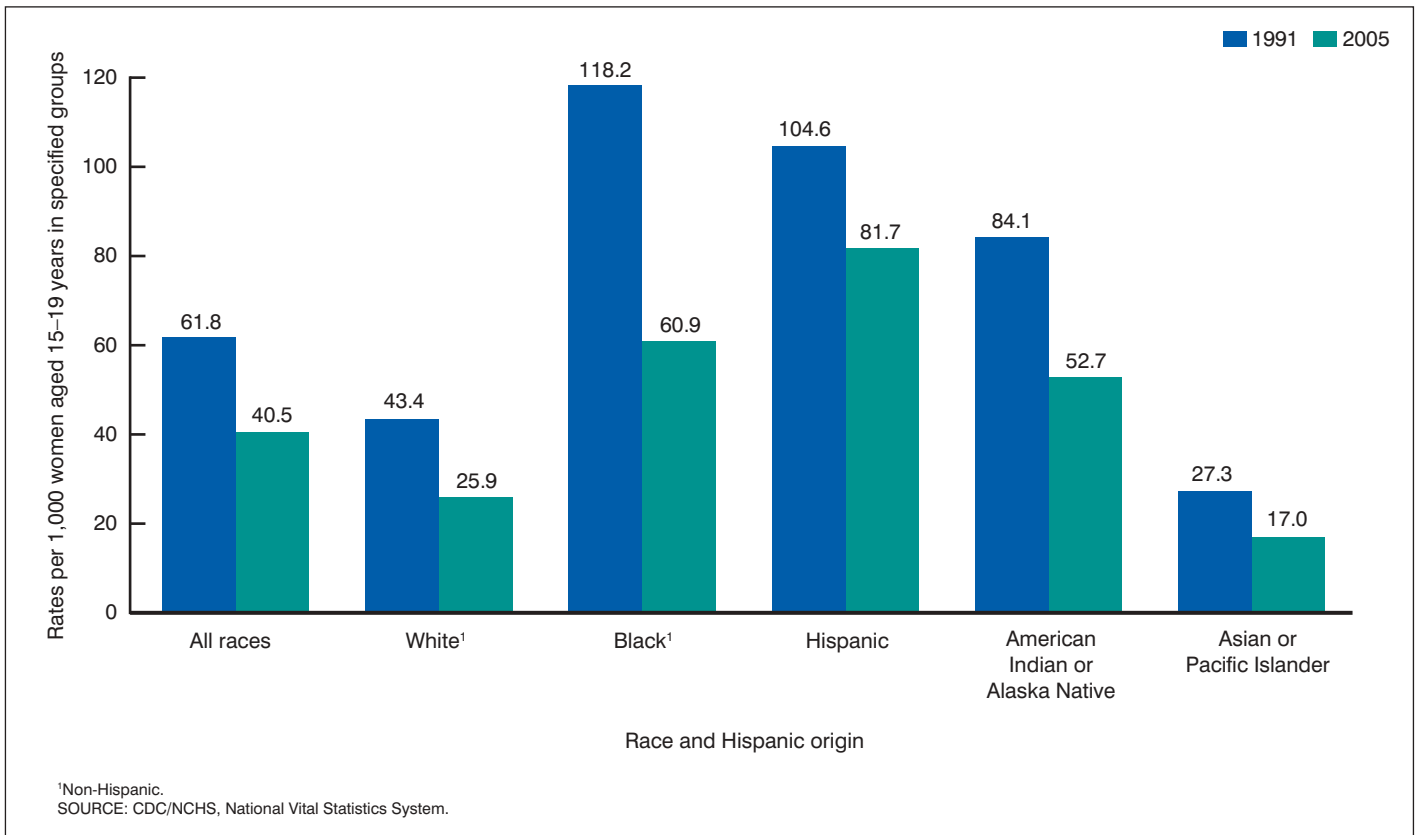
<sup>2</sup>Includes all persons of Hispanic origin of any race; see "Technical Notes."

along with the declines in birth rates among teenagers indicate that teenage pregnancy rates have continued to fall.

Findings from the 2002 National Survey of Family Growth (NSFG) suggest a number of factors that likely account for the falling pregnancy rates (25). According to the 2002 NSFG, the proportions of young teenage males and females (ages 15–17 years) and older males 18–19 years who had ever had sexual intercourse declined significantly in comparison with the 1995 NSFG and the 1995 National Survey of Adolescent Males. At the same time, teenagers who are sexually experienced are increasingly likely to use contraception more effectively and consistently. About three of four teenagers used a method of contraception at first intercourse, and the overwhelming majority (83 percent of females and 91 percent of males) used a method at their most recent sex. Teenagers are more and more likely to use highly effective hormonal methods such as Depo Provera™ and Lunelle™, as well as dual methods, such as the condom with a hormonal method.

Data for 2005 from the CDC's Youth Risk Behavior Survey for school-age youth corroborate the NSFG findings for teenager's contraceptive use at their most recent sexual intercourse (26). Since the mid-1990s, many private and public efforts have focused teenager's attention on the importance of pregnancy prevention through abstinence and responsible behavior (27,28).

**Women aged 20 years and over—women in their twenties—** The birth rate for women aged 20–24 years was 102.2 births per 1,000 women in 2005, a slight increase over the rate in 2004 (101.7), which was a record low. Since 1990 (the most recent high), the rate has generally declined, down by 12 percent from 116.5 per 1,000 (Figure 4, Tables 3, 4, 7, and 8). The rate for women aged 25–29 years in 2005, 115.5 births per 1,000 women, was unchanged from 2004. The rate for this age group declined steadily between 1990 and 1997, and then generally rose from 1998 to 2003. Since 2003, this rate



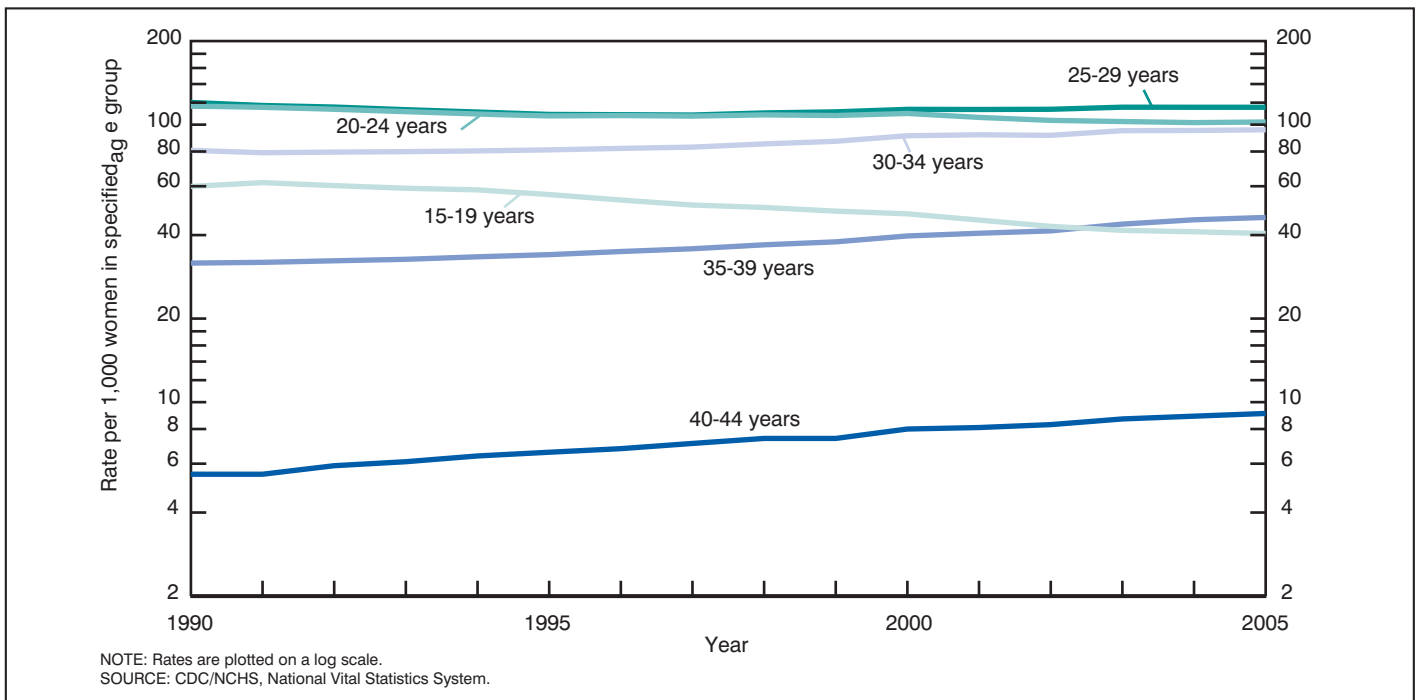
**Figure 3. Birth rates for teenagers 15–19 years: United States, 1991 and 2005**

has been essentially stable. Variations in the trends in birth rates by age for 1990–2005 are illustrated in [Figure 4](#).

Women aged 20–29 years, the principal childbearing ages, historically account for the largest share of all births, 52.5 percent in 2005.

Over the last three decades, however, the proportion of births to these women has generally declined, down from 65.1 percent in 1976.

**Women in their thirties**—The birth rate for women aged 30–34 years in 2005 was 95.8 births per 1,000 women, a slight increase over



**Figure 4. Birth rates by age of mother: United States, 1990–2005**

2004 (95.3) (Tables 4 and 8). The birth rate for this age group has risen 83 percent since 1975 (52.3) and 19 percent since 1990 (80.8). This increase reflects a real increase in the *number of births* to women aged 30–34 years, which rose by 7 percent from 1990 to 2005, compared with the *population* of women in this age group that declined 10 percent. The **birth rate for women aged 35–39 years** was 46.3 births per 1,000 women, a 2 percent increase over 2004 (45.4). The rate for this age group has increased each year since 1978 (19.0), rising by 46 percent since 1990 (31.7). The number of births to women aged 35–39 years also increased, rising to 483,156 in 2005 (Tables 2 and 6), surpassing the record high set the previous year. From 1990 to 2005, the *number of births* to this age group rose by 52 percent, compared with a 4 percent increase in the *population* of women 35–39 years of age (29,30).

**Women in their forties**—The **birth rate for women aged 40–44 years** rose from 8.9 to 9.1 births per 1,000 women between 2004 and 2005. The rate for this age group has increased each year since 2000, and has more than doubled since 1981 (3.8), the lowest on record. Since 1990, the birth rate for this age group has climbed 65 percent (5.5). The number of births to women aged 40–44 years increased again from 103,679 to 104,667 for 2004–2005, more than twice the number reported for 1990 and surpassing the record high for the United States set the previous year (29,30). The **birth rate for women aged 45–49 years** increased to 0.6 births per 1,000 women in 2005, from 0.5 in 2004. This marks the first increase in this rate since 2000. This rate more than doubled between 1990 and 2000, but was stable between 2000 and 2005. The number of births to women aged 45–49 years increased by 6 percent between 2004 and 2005, from 5,748 to 6,119, more than three times the 1990 number (1,638), whereas the population of women aged 45–49 years increased 2 percent.

**Births to women aged 50 years and over**—The number of births to women aged 50–54 years increased in 2005 to 417, from 374 in 2004 (Tables 2 and 6). The number of births to women in this age group has increased dramatically from 144 in 1997, when data for women 50–54 years became available again. (From 1964 to 1996, age of mother was imputed if the reported age was under 10 years or 50 years or over; see “Technical Notes.”)

Because of small numbers, births to women aged 50–54 years historically have been included with births to women 45–49 years when computing birth rates by age of mother (the denominator for the rate is women aged 45–49 years). To estimate birth rates for women aged 45–49 and 50–54 years separately, we calculated rates for these age groups for 2004 and 2005. Rates are expressed *per 10,000 women* because of the small number of births to women 50–54 years. The birth rate for women aged 50–54 years was 0.4 births per 10,000 women in 2005, unchanged from 2004. When births to women 50–54 years of age are excluded, the birth rate for women aged 45–49 years dropped slightly to 0.5 births per 1,000 women.

The increase in birth rates for women 35 years of age and over during the last 20 years has been linked, in part, to the use of fertility-enhancing therapies (31). In 2005, 1 out of 18 births to women aged 35 years and over was in a multiple delivery, an outcome associated with infertility treatment, compared with 1 out of 33 births to women under 35 years of age (see section on “Multiple births”). The incidence of multiple births dramatically increases with the age of mother; for example, one out of five births to women aged 45–49 years and one out of every two births to women aged 50–54 years was in

a multiple delivery in 2005 (see section on “Multiple births”). The proportion of childless women aged 35–44 years reporting impaired fecundity who sought fertility treatment rose considerably from 1982 to 1995. However, the proportion leveled off from 1995 to 2002 (32,33).

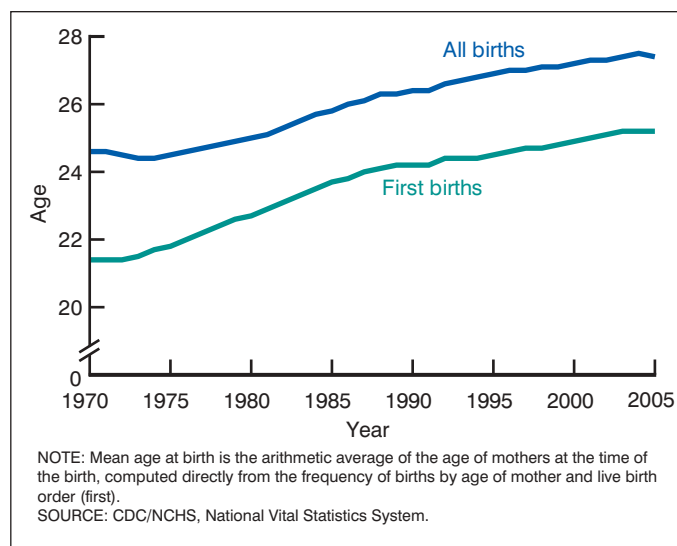
## Live-birth order

In 2005, the **first birth rate** for women aged 15–44 years was 26.5 births per 1,000 women, a slight increase from 2004 (26.4), but substantially lower than the rate in 1990 (29.0), the recent high (Table 3, 7, and 9). Between 1990 and 1997, the first birth rate decreased steadily (to 25.9). Since 1998, the rate has fluctuated within a narrow range, 25.9–26.5. First birth rates for women aged 15–19, 25–29, and 30–34 years decreased by 1 to 2 percent between 2004 and 2005, whereas rates for women aged 20–24 and 35–39 years increased by 1 to 2 percent. Rates for women aged 40–44 and 45–49 years were unchanged.

Second-, third-, and fourth-order birth rates for women aged 15–44 years increased from 2004 to 2005 by 1 to 2 percent. Rates of fifth- and higher-order births were unchanged.

Another useful measure in interpreting childbearing patterns is the **mean age at first birth**. The mean is the arithmetic average of the age of mothers at the time of birth and is computed directly from the frequency of first births by age of mother. The mean age of first-time mothers was 25.2 years in 2005, unchanged since 2003 (Tables 10, 14, and 15). The mean age at first birth increased 3.8 years from 1970 to 2003 (Figure 5) (34).

Among the race and Hispanic origin groups, substantial variation in age at first birth exists. API women had the highest mean age at first birth in 2005 (28.5 years), whereas AIAN women had the lowest (21.7 years). The average age of first-time mothers was 26.2 years for non-Hispanic white, 22.7 years for non-Hispanic black, and 23.1 years for Hispanic women in 2005. From 2004 to 2005, mean age at first birth was essentially unchanged for most race and Hispanic origin groups, except for an increase for API and Central and South American women, and a decline for Cuban women.



**Figure 5. Mean age of mothers for all births and mean age of mother at first birth: United States, 1970–2005**



## Total fertility rate

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

In 2005, the TFR was 2,053.5 (or 2.05 births per woman), a slight increase (less than 1 percent) from 2004 (2,045.5) ([Tables 4, 8, 14, and 15](#)). Between 1990 and 1997, the TFR decreased substantially, from 2,081.0 to 1,971.0. Since 1998, the rate has generally increased, except for brief declines during 2001 and 2002. The small rise in the TFR between 2004 and 2005 resulted from increases in birth rates for women aged 20–24 years and 30 years and over, especially for those aged 35–39 years (see section on “Age of Mother”).

For the three largest **race and Hispanic origin** groups, the TFR increased between 2004 and 2005 for Hispanic women, decreased for non-Hispanic white women, and was essentially unchanged for non-Hispanic black women. Rates for Mexican and Puerto Rican women increased by 1 and 4 percent, respectively, whereas the rate for Cuban women declined. The rate for “other” Hispanic rose 7 percent (the increase in the latter group is influenced by changes in reporting; see “[Technical Notes](#)”). Rates for API and AIAN women were essentially unchanged.

Differences among these groups are even more apparent when their rates are compared with a “replacement” rate. A replacement rate is the rate at which a given generation can exactly replace itself, generally considered to be 2,100 births per 1,000 women. The U.S. TFR has been below the replacement rate since 1972. The TFR for most groups were below “replacement” in 2005, but was above replacement for Hispanic women overall (2,885.0) and for women in the following specified Hispanic origin groups: Mexican (3,055.5), Puerto Rican (2,137.5) and “other” Hispanic (2,822.5) ([Tables 4, 8, 14, and 15](#)). State-specific TFRs are discussed in the next section.

## Births and birth rates by state

Nationally, the number of births increased slightly (less than 1 percent) between 2004 and 2005. The number of births changed significantly from the previous year in 17 states with 11 states reporting significant increases and 6 reporting significant declines. **See [Tables 11–13](#) for 2005 data.**

In 2005, crude birth rates ranged from 10.1 births per 1,000 total population in Vermont to 20.9 in Utah ([Table 11](#)). Between 2004 and 2005 rates increased significantly in Florida, Iowa, North Carolina, and Tennessee and fell in Illinois, Louisiana, Massachusetts, Michigan, Mississippi, and New York. All other reporting areas were essentially unchanged.

Fertility rates in 2005 increased significantly in 11 states and fell in 3 states and Guam. Louisiana experienced the largest single year decline, falling 6 percent between 2004 and 2005, from 66.7 to 62.6 births per 1,000 women aged 15–44 years. The sharp decline in Louisiana’s fertility may be explained at least in part in context of Hurricane Katrina. An upcoming report will examine the impact of

Hurricane Katrina on births and infant health in Louisiana and other Gulf Coast areas. The other two states with significant fertility rate declines were Vermont and Utah, the states with the lowest (49.6) and highest (90.4) fertility rates.

In 2005, TFRs that provide a summary of lifetime fertility ranged from 1,617.5 (1.6 births per women) in Vermont to 2,472.5 (2.5 births per women) in Utah ([Table 11](#)). When compared with the United States TFR of 2,053.5, 29 states, the District of Columbia, Puerto Rico, and the Northern Marianas had lower rates; 17 states, the Virgin Islands, Guam, and American Samoa had higher rates; the TFRs for Florida, Indiana, New Jersey, and North Carolina were not significantly different. TFRs were generally higher among states in the south and west and lower among those in the north and east. Influencing much of these observed geographic patterns in TFR are important differences in state demographic characteristics such as age of mother and race and Hispanic origin. See section on “Total fertility rates” for a detailed discussion of differences in TFR by race and Hispanic origin.

## Birth rate for teenagers by state

Birth rates for teenagers vary considerably by state ([Tables 11 and B](#)), but when mapped, a distinct pattern becomes evident ([Figure 6](#)). Birth rates for teenagers tend to be lowest in the North and Northeast, and highest in the South and Southwest. These spatial patterns are largely a reflection of each state’s race and Hispanic origin composition.

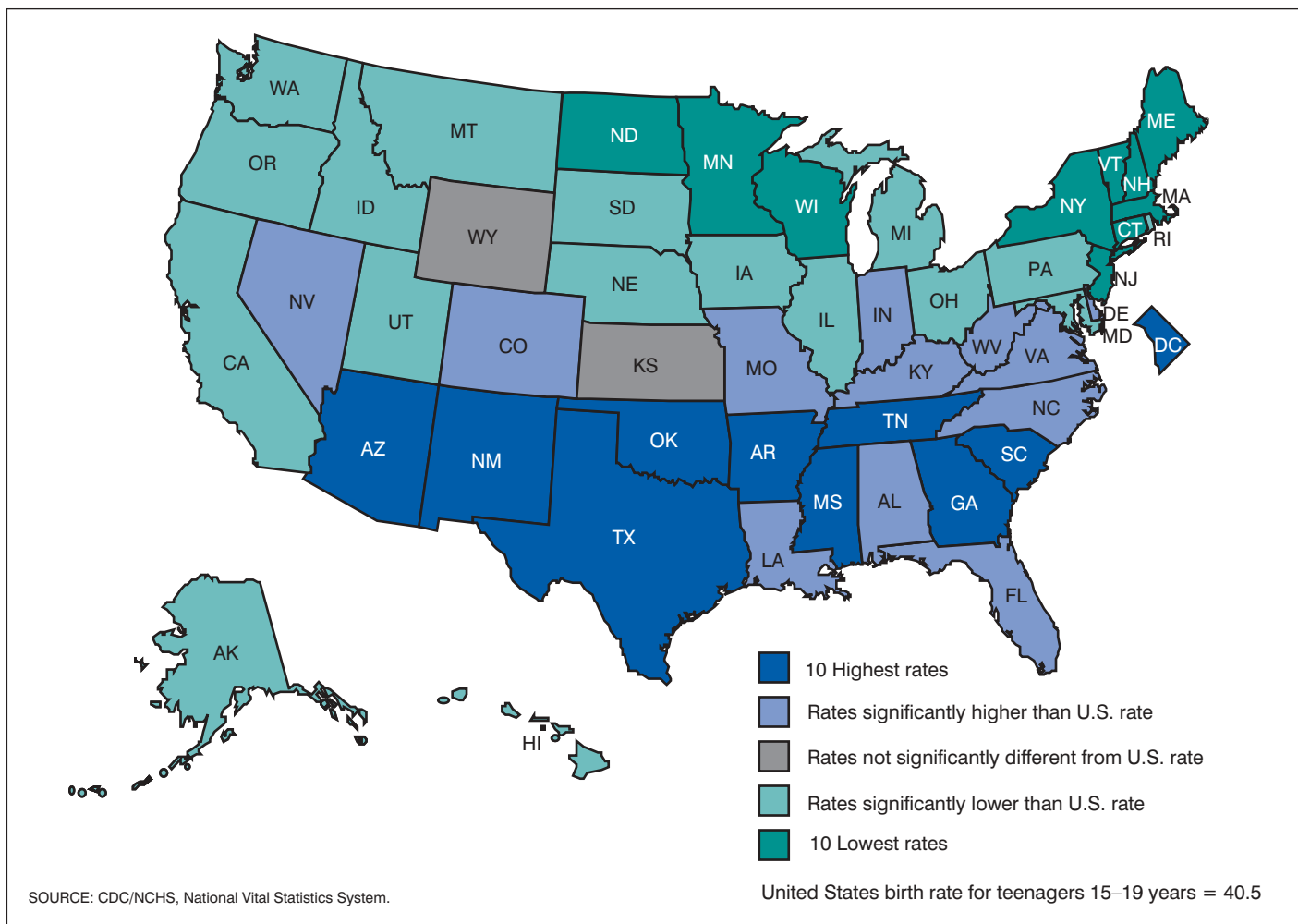
In 2005, birth rates for teenagers 15–19 years ranged by state from 17.9 per 1,000 (New Hampshire) to 61.6 (Texas and New Mexico). Among all reporting areas, the District of Columbia reported the highest rate (63.4). Nationally, birth rates for teenagers 15–19 years declined 1 percent between 2004 and 2005, however, rates for most states did not change significantly. Significant declines were reported in five states (Alabama, California, Illinois, Louisiana, and Michigan); the teenage birth rate increased significantly in one state (Tennessee). Since 1991, teenage birth rates have declined by 15 to 53 percent in all reporting areas ([Table B](#)). Also see discussion in the “Age of mother.”

## Sex ratio

In 2005, there were 2,118,982 male compared with 2,019,367 female live births. These numbers yield a sex ratio of 1,049 males for every 1,000 females ([Tables 14 and 15](#)). The sex ratio has fluctuated narrowly over the past 60 years, ranging from 1,046 to 1,059. Annual variations in the ratio tend to obscure trends, but significant long-term trends have been identified, and include a sustained gradual decline beginning in the early 1970s to 2002 (35). As in previous years, the sex ratio for 2005 was the highest for births to API mothers (1,066), and lowest among AIAN mothers (1,024).

## Month of birth

In 2005, the average number of births per month was 344,862. The actual number of births per month ranged from 309,620 in February, to 369,316 in August ([Table 16](#)). Between 2004 and 2005, the observed monthly birth rate, which takes into account the different number of days in the month, increased significantly for February, May, June, August, and September; was unchanged for March and December; and fell in January, April, July, October, and November. Observed fertility rates were at their highest in September (71.2), and



**Figure 6. Birth rates for teenagers 15-19 years by state, 2005**

lowest in January (62.9), consistent with the well-established pattern of fertility rates peaking in the late summer before falling in the late fall and winter.

**Day of the week of birth**

An average of 11,338 infants were born each day in 2005. As in previous years, the average number of births was the highest on Tuesday (13,169), and the lowest on Sunday (7,374) (Table 17).

An index of occurrence can be used to measure the variation in the daily pattern of births. The index is defined as the ratio of the average number of births per day of the week to the average number of births per day of the year with the base set at 100. In 2005, Tuesday again had the highest index at 116.2, indicating that there were 16.2 percent more births on Tuesday than on the average day. Consistent with established patterns, infants in 2005 were much less likely to be born on weekends, with indices of occurrence of 74.6 for Saturday and 65.0 for Sunday.

This weekend deficit is evident for both vaginal and cesarean deliveries, but is notably larger for cesarean births. Among births delivered by cesarean, the Tuesday index was 124.2 compared with a Sunday index of 47.0. Since 1989, when these data first became available, the weekend deficit for cesarean births has grown. Between 1989 and 2005, the Sunday index for cesarean deliveries fell 23 percent, from 60.7 to 47.0.

**Births to unmarried women**

**Childbearing by unmarried women has increased substantially since 2002.** Overall, the measures in 2005 were 9 to 12 percent higher than in 2002. These measures were stable or increased very slightly during 1998 to 2001.

The **birth rate for unmarried women** jumped 3 percent from 2004 to 2005, to 47.5 births per 1,000 unmarried women aged 15-44 years. The 2005 rate is the highest ever recorded in the 65 years for which comparable national data are available. The birth rate indicates the risk that an unmarried woman will give birth. During the years 1995-2002, the rate changed little, ranging from 42.9 to 44.3 (Tables C, 18, and 19), but during 2002-2005 the rate rose 9 percent.

Largely as a result of the rising birth rate, the **number of births to unmarried women** climbed 4 percent in 2005, to 1,527,034, the highest number ever in the more than six decades for which national statistics are available (36). The number rose 12 percent from 2002 to 2005, about 4 percent per year, following on much smaller increases of about 1 percent per year during 1995-2002. The earlier increases resulted principally from the 10 percent growth in the population of unmarried women of reproductive age (37-39). The recent upturn since 2002 reflect in small part population growth (up about 3 percent), but it mainly reflects the increase in the birth rate.

In 2005, **36.9 percent of all births were to unmarried women.** This percentage has risen steadily since the late 1990s, following

**Table B. Birth rates for teenagers 15–19 years by state, 1991 and 2005, and percentage change 1991–2005: United States and each state and territory**

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

| State                      | 1991  | 2005 | Percent change, 1991–2005 | State             | 1991 | 2005 | Percent change, 1991–2005 |
|----------------------------|-------|------|---------------------------|-------------------|------|------|---------------------------|
| United States <sup>1</sup> | 61.8  | 40.5 | –34                       | Nebraska          | 42.4 | 34.2 | –19                       |
| Alabama                    | 73.6  | 49.7 | –32                       | Nevada            | 74.5 | 50.1 | –33                       |
| Alaska                     | 66.0  | 37.3 | –43                       | New Hampshire     | 33.1 | 17.9 | –46                       |
| Arizona                    | 79.7  | 58.2 | –27                       | New Jersey        | 41.3 | 23.4 | –43                       |
| Arkansas                   | 79.5  | 59.1 | –26                       | New Mexico        | 79.5 | 61.6 | –23                       |
| California                 | 73.8  | 38.8 | –47                       | New York          | 45.5 | 26.5 | –42                       |
| Colorado                   | 58.3  | 42.6 | –27                       | North Carolina    | 70.0 | 48.5 | –31                       |
| Connecticut                | 40.1  | 23.3 | –42                       | North Dakota      | 35.5 | 29.7 | –16                       |
| Delaware                   | 60.4  | 44.0 | –27                       | Ohio              | 60.5 | 38.9 | –36                       |
| District of Columbia       | 109.6 | 63.4 | –42                       | Oklahoma          | 72.1 | 54.2 | –25                       |
| Florida                    | 67.9  | 42.4 | –38                       | Oregon            | 54.8 | 33.0 | –40                       |
| Georgia                    | 76.0  | 52.7 | –31                       | Pennsylvania      | 46.7 | 30.4 | –35                       |
| Hawaii                     | 59.2  | 36.2 | –39                       | Rhode Island      | 44.7 | 31.4 | –30                       |
| Idaho                      | 53.9  | 37.7 | –30                       | South Carolina    | 72.5 | 51.0 | –30                       |
| Illinois                   | 64.5  | 38.6 | –40                       | South Dakota      | 47.6 | 37.5 | –21                       |
| Indiana                    | 60.4  | 43.2 | –28                       | Tennessee         | 74.8 | 54.9 | –27                       |
| Iowa                       | 42.5  | 32.6 | –23                       | Texas             | 78.4 | 61.6 | –21                       |
| Kansas                     | 55.4  | 41.4 | –25                       | Utah              | 48.0 | 33.4 | –30                       |
| Kentucky                   | 68.8  | 49.1 | –29                       | Vermont           | 39.2 | 18.6 | –53                       |
| Louisiana                  | 76.0  | 49.1 | –35                       | Virginia          | 53.4 | 34.4 | –36                       |
| Maine                      | 43.5  | 24.4 | –44                       | Washington        | 53.7 | 31.1 | –42                       |
| Maryland                   | 54.1  | 31.8 | –41                       | West Virginia     | 58.0 | 43.4 | –25                       |
| Massachusetts              | 37.5  | 21.8 | –42                       | Wisconsin         | 43.7 | 30.3 | –31                       |
| Michigan                   | 58.9  | 32.5 | –45                       | Wyoming           | 54.3 | 43.2 | –20                       |
| Minnesota                  | 37.3  | 26.1 | –30                       | Puerto Rico       | 72.4 | 61.2 | –15                       |
| Mississippi                | 85.3  | 60.5 | –29                       | Virgin Islands    | 77.9 | 50.0 | –36                       |
| Missouri                   | 64.4  | 42.5 | –34                       | Guam              | 95.7 | 59.2 | –38                       |
| Montana                    | 46.8  | 35.2 | –25                       | American Samoa    | ---  | 34.2 | ---                       |
|                            |       |      |                           | Northern Marianas | ---  | 30.4 | ---                       |

--- Data not available.

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

NOTE: Rates for 1991 may differ from those published in "Births: Final Data for 2001," but are consistent with those published in "Revised Birth and Fertility Rates for the 1990s and New Rates for Hispanic Populations, 2000 and 2001: United States."

several years of essentially no change (Table C). About 44 percent of first births in 2005 were to unmarried women (tabular data not shown). Data from the 2002 National Survey of Family Growth, conducted by CDC's NCHS show that 40 percent of recent nonmarital births were to cohabiting women (32).

Since 1998, all states except Michigan and New York report mother's marital status on the birth certificate through a direct question in the birth registration process. Michigan and New York infer the mother's marital status on the basis of other information on the birth certificate; see "Technical Notes" for detailed information.

Birth rates for unmarried women by age continue to be highest for women in their twenties (Tables 18 and 19). In 2005, the rates were 74.9 per 1,000 for women aged 20–24 years, and 71.1 for women aged 25–29 years. The next highest rate was for older unmarried teenagers, 18–19 years, 58.4. Rates for other age groups are considerably lower.

The overall increase in the nonmarital birth rate from 2004 to 2005 reflects increases in rates for all women aged 18 and older. Rates for women in their twenties rose 3 to 4 percent each in 2005. In the quarter century since 1980, the rate for women aged 20–24 years rose 83 percent, and the rate for women 25–29 years more than doubled (Figure 7). Rates for women in their thirties and early forties have also risen steeply, more than doubling for each age group since 1980. In contrast, the birth rate for unmarried teenagers 15–17 years continued

to fall in 2005, albeit more slowly. The birth rate for this age group has dropped 38 percent since the 1994 peak. The rate for older teenagers fell 17 percent from 1994 to 2003 and has since increased slightly. Because of the contrasting trends between teenagers and adult women, the distribution of nonmarital births by age has shifted. Over the decade 1995–2005, the proportion of nonmarital births to teenagers dropped from 31 to 23 percent, whereas the proportion to women in their twenties rose from 53 to 60 percent (36).

**Birth rates for unmarried women vary widely by race and ethnicity.** In 2005, the nonmarital rate for Hispanic women was highest, at 100.3 per 1,000, followed by black women, 67.8, non-Hispanic white women, 30.1, and API women, 24.9. These variations have changed little in recent years. From 2004 to 2005, nonmarital birth rates increased 1 percent for black women, 2 percent for non-Hispanic white women, and 5 to 6 percent each for Hispanic and API women (Table 19).

Nonmarital childbearing rates differ significantly among race/ethnicity groups by maternal age. Birth rates for unmarried black and Hispanic teenagers were relatively similar in 2005, but at ages 20 years and older, the rates quickly diverged. In age groups 30–34 and older, the rates for unmarried Hispanic women were more than double the rates for unmarried black women. Among age groups under age 20 years, unmarried API women had the lowest rates, and at ages 30

**Table C. Number, rate, and percentage of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–2005**

| Year | Births to unmarried women |                   |                      | Birth rate for married women <sup>3</sup> |
|------|---------------------------|-------------------|----------------------|---|
|      | Number                    | Rate <sup>1</sup> | Percent <sup>2</sup> |   |
| 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                                      |
| 1989 | 1,094,169                 | 41.6              | 27.1                 | 91.9                                      |
| 1988 | 1,005,299                 | 38.5              | 25.7                 | 90.8                                      |
| 1987 | 933,013                   | 36.0              | 24.5                 | 90.0                                      |
| 1986 | 878,477                   | 34.2              | 23.4                 | 90.7                                      |
| 1985 | 828,174                   | 32.8              | 22.0                 | 93.3                                      |
| 1980 | 665,747                   | 29.4              | 18.4                 | 97.0                                      |

<sup>1</sup>Births to unmarried women per 1,000 unmarried women aged 15–44 years.

<sup>2</sup>Percent of all births to unmarried women.

<sup>3</sup>Births to married women per 1,000 married women aged 15–44 years.

years and older, rates were lowest for unmarried non-Hispanic white women.

Trends for teenage population subgroups are similar to trends for all teenagers. Notably, the rate for unmarried young black teenagers

15–17 years has plummeted more than one-half since 1991. Rates for other groups have fallen as well, but the declines slowed or reversed slightly for older teenagers in 2005.

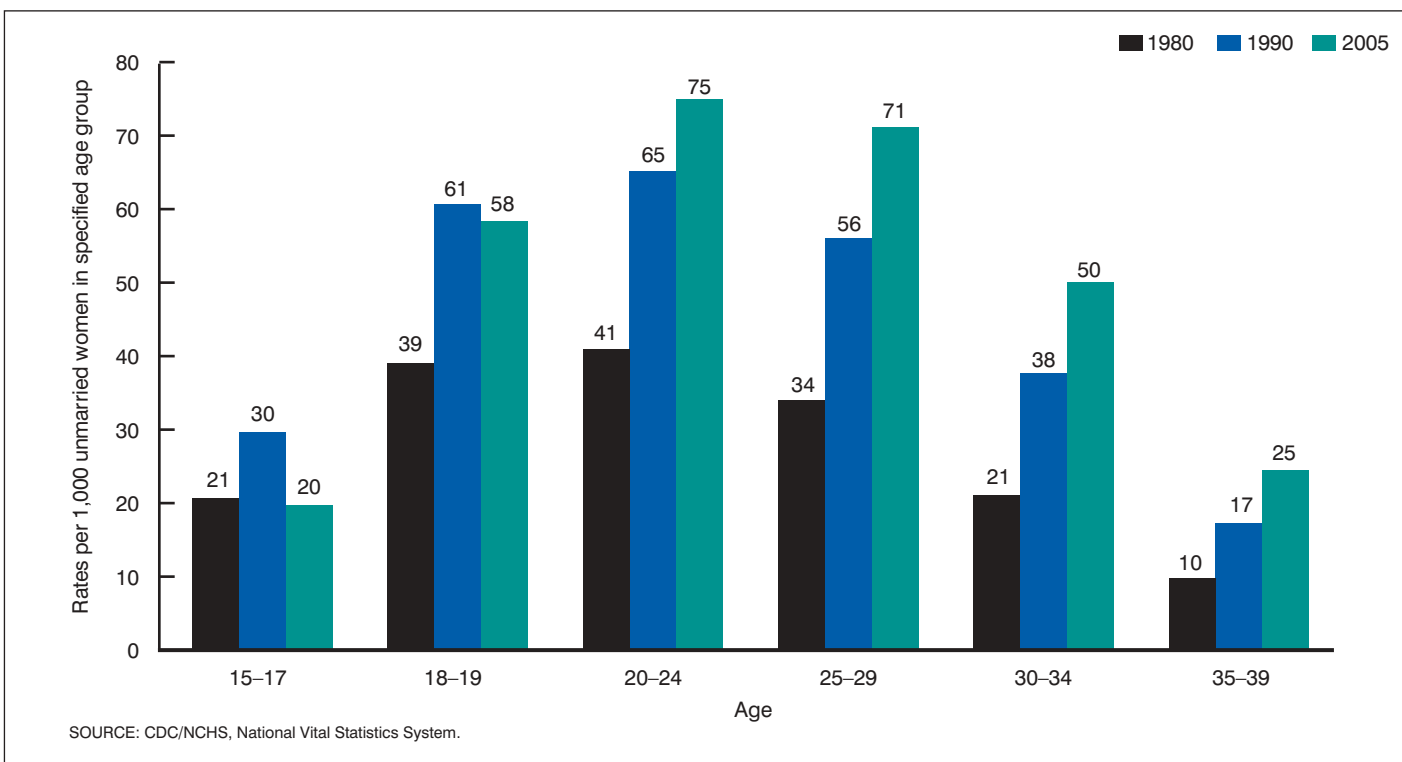
The proportions of all births that are to unmarried women increased for all population groups in 2005. They ranged from 16.2 percent for API women, 25.3 percent for non-Hispanic white women, 48.0 percent for Hispanic women, 63.5 percent for AIAN women, and 69.9 percent for non-Hispanic black women.

Numbers and proportions of births to unmarried women by race and Hispanic origin and by state are shown in Table 20. Numbers increased in all but three states and three territories. Numbers declined in Colorado, Louisiana, Vermont, Guam, American Samoa, and Northern Marianas. The increases amounted to 7 percent or more in eight states. Proportions rose in all but three states, American Samoa, and Northern Marianas, which declined, and Vermont for which there was no change.

### Age of father

The birth rate per 1,000 men aged 15–54 years was 48.7, not significantly changed from 2004 (48.8), but higher than the all-time low of 48.4 reported in 2002 (Table 21). In 2005, birth rates fell for males in all age groups under 25 years of age, reaching all-time lows for fathers aged 15–19 (16.8) and 20–24 years (71.9). The birth rate was essentially unchanged among males 25–29 years of age, but rates increased for men in age groups 30–54 years of age for 2004–2005. The rate was unchanged for men aged 55 years and over.

Information on age of father is often missing on birth certificates of children born to women less than 25 years of age and to unmarried women. In 2005, age of father was not reported for 14 percent of all



**Figure 7. Birth rates for unmarried women by age: United States, 1980, 1990, and 2005**

births, 24 percent of births to all women less than 25 years of age, and 35 percent of all nonmarital births. The procedures for computing birth rates by age of father are described in detail in the “[Technical Notes](#).”

## Educational attainment

Information on educational attainment is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard Certificate of Live Birth (unrevised). However, the format of the education item on the revised standard certificate substantively differs from that of the unrevised certificate (see “[Technical Notes](#)”) (6). The 1989 certificate item asks for the highest grade completed at the time of the birth; the 2003 certificate item asks for the highest degree or level of school completed at the time of the birth (e.g., high school diploma, bachelor degree, etc.). Accordingly, education data for the states that have implemented the revised certificates are not directly comparable with data for the states that are not yet using the revised certificate. In 2005, data were available for the 12 states that revised as of January 1, 2005, representing 31 percent of all births. The seven states using the revised certificate in 2004 comprised 14 percent of U.S. births. Trend analysis in educational attainment is compromised by the changing composition of the revised and unrevised reporting areas.

For the 12 revised states for which data are available for all of 2005 (one state revised in 2005, but after January 1st), 76.5 percent of women who gave birth had at least a high school diploma or higher and 23.3 percent had a Bachelor’s degree or higher ([Tables D and E](#)). Comparing the seven revised states in 2004 with the same states in 2005, the percentage of women with at least a high school diploma decreased slightly, whereas the percentage of women with at least a Bachelor’s degree was essentially the same.

For the 37 unrevised states, 79.1 percent of women who gave birth in 2005 completed at least 12 or more years of school, only slightly higher than the percentage for these 37 states in 2004 (79.0) ([Tables D and E](#)). The percentage of women who completed 16 or more years of school in 2005 was 27.8, unchanged from 2004. The educational attainment of women giving birth has increased substantially over the last few decades. This trend in part reflects increases in educational attainment of all women during this time (40).

Maternal education has long been considered an important factor in fertility and maternal and infant health and has been shown to have a profound effect on the number of births and the risk of adverse birth outcome. Women with higher educational attainment are more likely to desire and give birth to fewer children, and are less likely to engage in behaviors detrimental to health and pregnancy (32,41,42).

Among the largest racial and Hispanic origin groups, substantial variation in educational attainment is seen. For the 12 revised state reporting areas in 2005, 87.5 percent of non-Hispanic white compared with 75.3 percent of non-Hispanic black, and 52.0 percent of Hispanic mothers had a high school diplomas or higher. Levels of advanced educational attainment also differed, with 31.6 percent of non-Hispanic white, 10.7 of non-Hispanic black, and 8.6 of Hispanic mothers reporting a bachelor’s degree or higher. For the 37 unrevised state reporting area in 2005, similar relative differences in educational attainment are observed among Hispanic white, non-Hispanic black and Hispanic mothers.

## Maternal Lifestyle and Health Characteristics

### Weight gain in pregnancy

Excessive and insufficient **weight gain during pregnancy** can negatively influence both maternal and pregnancy outcome. Inadequate weight gain is associated with an increased risk of intrauterine growth retardation, shortened period of gestation, low birthweight, spontaneous preterm birth, and perinatal mortality (43,44). High weight gain during pregnancy is linked with an elevated risk of gestational diabetes, large-for-gestational-age (LGA) infant, preeclampsia, labor dystocia, cesarean delivery, shortened breast feeding duration, and long-term substantial maternal weight retention (45,46).

Recommendations for a mother’s gestational weight gain were developed in 1990 (47). These guidelines are standardized on the mother’s body mass index (BMI), which takes into account both the mother’s height and weight. Currently, national birth certificate data are available only for total weight gain during pregnancy. These data show that in 2005, 13.0 percent of all mothers gained **less than 16 pounds**, which is considered inadequate for most women, and 20.6 percent had weight gains of **more than 40 pounds**, considered excessive for all women (47) ([Table 22](#)). Thus, approximately one-third of all mothers had weight gains outside of the guidelines, regardless of their height.

Birth certificate data show that the distribution of reported gestational weight gain has changed markedly between 1990 and 2005. For mothers of *at least term, singleton* births, the percentage who gained less than 16 pounds increased by 48 percent (from 8.3 to 12.2 percent), and the percentage gaining over 40 pounds rose 29 percent (from 16.0 to 20.6 percent). [Figure 8](#) demonstrates a consistent decline in moderate weight gains in pregnancy over this 15 year period.

Moderate gestational weight gain (between 16 and 40 pounds) and healthy birth weights are positively correlated. In 2005, 10.7 percent of infants born to mothers who gained less than 16 pounds were low birthweight compared with 5.9 percent of infants to mothers who had gains of 36 to 40 pounds. (Data not shown).

The Institute of Medicine (IOM) recommends that weight gain goals be tailored to the mother’s individual characteristics. A recent workshop held by the IOM and National Academy of Sciences developed a research agenda emphasizing the need to study gestational weight gain in three special populations: adolescent mothers, mothers in diverse racial and ethnic groups, and obese mothers (48).

Excessive weight gain is most common among adolescents (under 20 years of age). In 2005, more than 25 percent of adolescent mothers gained at least 40 pounds, compared with 15 percent of women 35 years of age and older. For adolescents, gains of at least 40 pounds in singleton pregnancies have increased by 31 percent between 1990 and 2005. This is of particular concern for adolescents because large weight gain increases the risk of greater lifetime weight retention (48).

Weight gain during pregnancy continued in 2005 to differ widely by racial/ethnic groups. Non-Hispanic white and API women have relatively low proportions of women with weight gains of less than 16 pounds (11 and 10 percent, respectively) compared with levels of 19 percent for non-Hispanic black, and 18 percent among AIAN women ([Tables 23 and 24](#)). Non-Hispanic white women were the most likely to gain more than 40 pounds (23 percent). Studies have shown that

**Table D. Educational attainment, smoking during pregnancy, timing of prenatal care, and primary cesarean and vaginal birth after previous cesarean (VBAC) by race and Hispanic origin of mother: 12 and 7 states (revised) and 37 states (unrevised), District of Columbia, and New York City, 2004 and 2005**

|                                    |  | Educational attainment                           |                             |   |      |                             |      |  |      |                                  |      |
|------------------------------------|--|--|-----------------------------|---|------|-----------------------------|------|--|------|----------------------------------|------|
| Race and Hispanic origin of mother |  | Revised (12 state reporting area) <sup>1,2</sup> |                             | Revised (7 state reporting area) <sup>1,3</sup> |      |                             |      | Unrevised (37 state reporting area) <sup>4</sup> |      |                                  |      |
|                                    |  | High school diploma (GED) or higher              | Bachelor's degree or higher | High school diploma (GED) or higher             |      | Bachelor's degree or higher |      | 12 years or more years of school                 |      | 16 years or more years of school |      |
|                                    |  | 2005   | 2005                        | 2005  | 2004 | 2005                        | 2004 | 2005   | 2004 | 2005                             | 2004 |
| All races and origins <sup>5</sup> |  | 76.5   | 23.3                        | 80.8  | 81.0 | 26.3                        | 26.4 | 79.1   | 79.0 | 27.8                             | 27.8 |
| Non-Hispanic white                 |  | 87.5   | 31.6                        | 87.1  | 87.0 | 31.2                        | 31.0 | 89.4   | 89.2 | 37.4                             | 37.1 |
| Non-Hispanic black                 |  | 75.3   | 10.7                        | 73.5  | 73.0 | 10.2                        | 10.1 | 77.1   | 76.4 | 14.1                             | 13.8 |
| Hispanic <sup>6</sup>              |  | 52.0   | 8.6                         | 47.4  | 47.8 | 7.6                         | 7.5  | 52.7   | 52.2 | 8.4                              | 8.2  |

|                                    |  | Smoking during pregnancy                         |      |   |      |  |      |
|------------------------------------|--|--|------|---|------|--|------|
| Race and Hispanic origin of mother |  | Revised (11 state reporting area) <sup>1,7</sup> |      | Revised (7 state reporting area) <sup>1,3</sup> |      | Unrevised (36 state reporting area) <sup>8</sup> |      |
|                                    |  | Smoker   |      | Smoker  |      | Smoker   |      |
|                                    |  | 2005   | 2005 | 2005  | 2004 | 2005   | 2004 |
| All races and origins <sup>5</sup> |  | 12.4   | 12.4 | 16.2  | 16.3 | 10.7   | 10.9 |
| Non-Hispanic white                 |  | 17.7   | 17.7 | 19.2  | 19.0 | 13.9   | 14.0 |
| Non-Hispanic black                 |  | 10.3   | 10.3 | 12.5  | 13.0 | 8.5  | 8.7  |
| Hispanic <sup>6</sup>              |  | 2.7  | 2.7  | 5.4   | 5.7  | 2.9  | 3.1  |

|                                    |  | Timing of prenatal care (PNC)                    |                |   |      |                |      |  |      |                |      |
|------------------------------------|--|--|----------------|---|------|----------------|------|--|------|----------------|------|
| Race and Hispanic origin of mother |  | Revised (12 state reporting area) <sup>1,2</sup> |                | Revised (7 state reporting area) <sup>1,3</sup> |      |                |      | Unrevised (37 state reporting area) <sup>4</sup> |      |                |      |
|                                    |  | 1st trimester PNC                                | Late or no PNC | 1st trimester PNC                               |      | Late or no PNC |      | 1st trimester PNC                                |      | Late or no PNC |      |
|                                    |  | 2005   | 2005           | 2005  | 2004 | 2005           | 2004 | 2005   | 2004 | 2005           | 2004 |
| All races and origins <sup>5</sup> |  | 70.2   | 7.7            | 72.8  | 72.9 | 6.0            | 6.2  | 83.9   | 84.2 | 3.5            | 3.5  |
| Non-Hispanic white                 |  | 77.2   | 4.9            | 77.8  | 78.0 | 4.4            | 4.5  | 88.7   | 89.0 | 2.2            | 2.1  |
| Non-Hispanic black                 |  | 60.1   | 11.3           | 59.3  | 58.9 | 10.8           | 11.4 | 76.5   | 76.3 | 5.6            | 5.7  |
| Hispanic <sup>6</sup>              |  | 60.0   | 11.9           | 57.0  | 56.5 | 10.8           | 11.0 | 77.6   | 77.7 | 5.1            | 5.2  |

|                                    |  | Method of delivery                               |                                       |   |      |                                       |      |  |      |                                       |      |
|------------------------------------|--|--|---------------------------------------|---|------|---------------------------------------|------|--|------|---------------------------------------|------|
| Race and Hispanic origin of mother |  | Revised (12 state reporting area) <sup>1,2</sup> |                                       | Revised (7 state reporting area) <sup>1,3</sup> |      |                                       |      | Unrevised (37 state reporting area) <sup>4</sup> |      |                                       |      |
|                                    |  | Primary cesarean                                 | Vaginal birth after previous cesarean | Primary cesarean                                |      | Vaginal birth after previous cesarean |      | Primary cesarean                                 |      | Vaginal birth after previous cesarean |      |
|                                    |  | 2005   | 2005                                  | 2005  | 2004 | 2005                                  | 2004 | 2005   | 2004 | 2005                                  | 2004 |
| All races and origins <sup>5</sup> |  | 24.3   | 10.1                                  | 23.4  | 23.1 | 12.0                                  | 14.1 | 20.3   | 19.6 | 7.9                                   | 9.1  |
| Non-Hispanic white                 |  | 24.5   | 9.6                                   | 23.7  | 23.4 | 11.1                                  | 12.9 | 20.8   | 20.0 | 7.7                                   | 9.0  |
| Non-Hispanic black                 |  | 25.7   | 10.7                                  | 24.2  | 23.9 | 14.8                                  | 17.8 | 22.8   | 21.7 | 7.9                                   | 9.7  |
| Hispanic <sup>6</sup>              |  | 23.3   | 10.7                                  | 20.6  | 20.5 | 13.7                                  | 16.0 | 17.5   | 16.9 | 7.9                                   | 8.6  |

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

<sup>2</sup>Includes data from Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

<sup>3</sup>Includes data from Idaho, Kentucky, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee and Washington. For primary cesarean and VBAC delivery, excludes births to residents of states using the 2003 Revision of the U.S. Certificate of Live Birth occurring in states using the 1989 Revision of the U.S. Certificate of Live Birth.

<sup>4</sup>Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth. Excludes data from Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington.

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

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

<sup>7</sup>Includes data from Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

<sup>8</sup>Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth. Excludes data from California, Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 Office of Management and Budget standards for comparability with other states; see "Technical Notes."

**Table E. Educational attainment by age of mother: 12 states, 2005**

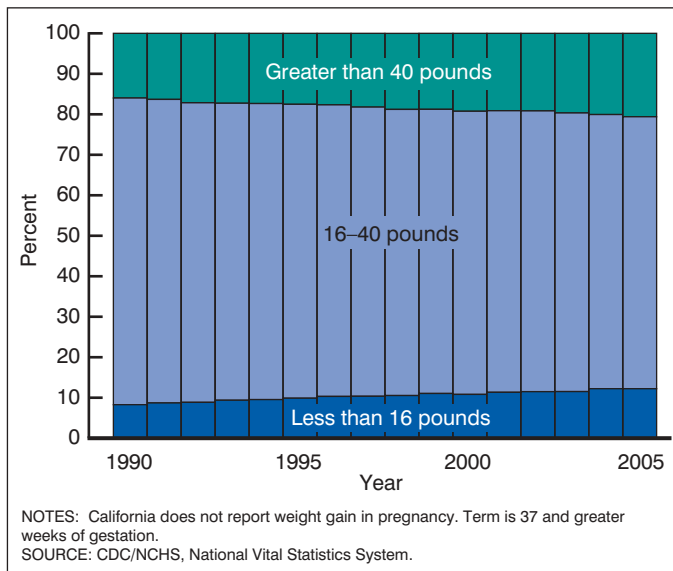
| Age of mother        | High school diploma (GED) or higher | Bachelor's degree or higher |
|----------------------|-------------------------------------|-----------------------------|
| Total <sup>1,2</sup> | 76.5                                | 23.3                        |
| Under 15 years       | *                                   | —                           |
| 15–19 years          | 40.7                                | 0.0                         |
| 20–24 years          | 71.3                                | 4.2                         |
| 25–29 years          | 81.9                                | 25.5                        |
| 30–34 years          | 87.2                                | 42.4                        |
| 35–39 years          | 88.4                                | 44.8                        |
| 40 years and over    | 86.8                                | 40.9                        |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.  
 — Quantity zero.  
 0.0 Quantity more than zero but less than 0.05.  
<sup>1</sup>Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.  
<sup>2</sup>Includes data from Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

non-Hispanic black women tend to retain more weight postpartum than do non-Hispanic white women, regardless of their prepregnancy BMI category (48).

**Risk factors in this pregnancy**

In addition to excessive or insufficient weight gain during pregnancy, other medical risk factors can contribute to maternal and infant morbidity and mortality. **Table 25** shows the risk factors that are comparable across the 1989 and 2003 revisions of the birth certificate. In 2005, two pregnancy risk factors, **diabetes during pregnancy** and **pregnancy-associated hypertension**, each occurred among 4 percent of mothers (38.5 and 39.9 per 1,000 births). After rising steadily during the 1990s, the level of pregnancy-associated hypertension peaked in 2000, and then fluctuated moderately; the level for the current year is the highest reported since these data



**Figure 8. Weight gain during pregnancy for singleton, term births: United States, 1990–2005**

became available. Diabetes prevalence has risen by more than two-thirds in the years 1990–2005 (from 21.3 to 38.5 per 1,000 live births).

The diabetes rate has risen dramatically for each age group between 1990 and 2005; rates for mothers aged 40 and over show the greatest increase (**Figure 9**). In a recent report, data from the seven states that adopted the 2003 U.S. Standard Certificate of Live Birth by the beginning of year 2004, differentiate between prepregnancy and gestational diabetes (8); in that report, based on a seven-state reporting area, the rate for gestational diabetes is substantially greater than that for prepregnancy diabetes (44.0 compared with 7.2 per 1,000). This is important because women with gestational diabetes are at increased risk of developing diabetes later in life (49).

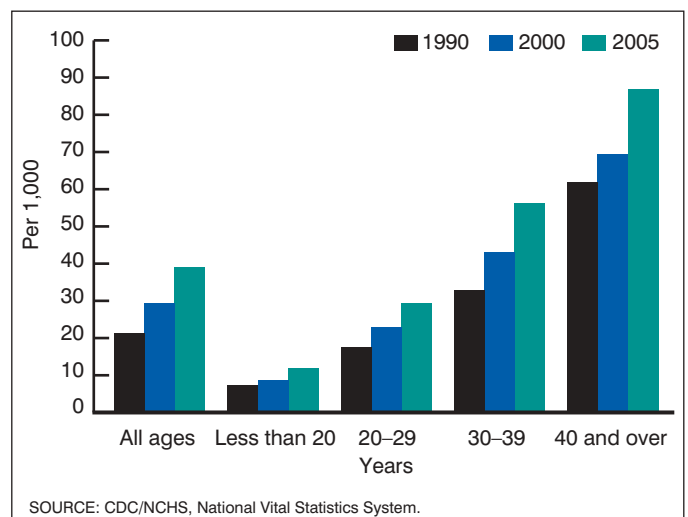
Pregnancy-associated hypertension and chronic hypertension are closely related hypertensive disorders, but the latter is a less-common condition. **Chronic hypertension** has increased by more than one-half since 1990 (from 6.5 to 10.4 per 1,000 births)

The risk of medical conditions during pregnancy differs by maternal age (**Table 25**). Whereas the risk of diabetes climbs steadily with age of mother (**Figure 9**), pregnancy-associated hypertension's risk is greatest at both the youngest and highest ages. Chronic hypertension is much more common among older mothers, with rates almost eight times higher for mothers aged 40 and older than for those under age 20 years of age (29.2 compared with 3.7 per 1,000).

Risk factors during pregnancy can also vary greatly by maternal race and ethnicity (**Tables 23–25**). In 2005, as in previous years, diabetes rates among API women, and AIAN women were higher than those for the other major racial/ethnic groups (62 and 63 per 1,000 compared with 35 for non-Hispanic black women, and 37 for non-Hispanic white women). Among the Hispanic subgroups, Puerto Rican women had the highest rate of diabetes during pregnancy (47 per 1,000.)

**Tobacco use during pregnancy**

Information on **smoking during pregnancy** was reported according to two different and noncomparable questions in 2005. For 36 states, New York City, and the District of Columbia, smoking



**Figure 9. Diabetes rates by age of mother: United States, 1990, 2000, and 2005**

status was based on the 1989 U.S. Standard Certificate (unrevised), whereas data for 11 states are drawn from the 2003 revision of the birth certificate (revised). Tobacco use data for Vermont are excluded because they implemented the 2003 revision in 2005, but after January 1. Data for Florida are not included because the state's birth certificate question on smoking is not comparable to either the 1989 or 2003 revision questions; see "Technical Notes." This report also excludes data for California, which did not report smoking on the birth certificate in 2005. Florida and California together account for 19 percent of U.S. births and 35 percent of births to Hispanic women. Briefly stated, the 1989 revision asks a simple "yes/no" question on tobacco use during pregnancy. In contrast, the 2003 revision asks for tobacco use during each trimester of pregnancy (as well as the 3-month period prior to pregnancy). Data are shown separately in this report for the areas using the 1989 certificate (unrevised) and for the areas using the 2003 certificate (revised). For the 11 revised States, if the mother reported smoking in any of the three trimesters of pregnancy she was recorded as a smoker.

**Smoking during pregnancy** declined slightly to 10.7 percent of women giving birth in 2005, compared with 10.9 percent for the same group of 36 unrevised reporting areas (Table D). These areas accounted for 56 percent of U.S. births in 2005. Differences among population subgroups were unchanged from previous years. The smoking rate was highest for AIAN women, at 17.8 percent, followed by non-Hispanic white women, 13.9 percent, and non-Hispanic black women, 8.5 percent. Rates for Hispanic (2.9 percent) and API women (2.2 percent) were substantially lower (data for AIAN and API women not shown).

For the 11 revised areas for which revised data on tobacco use are available for 2005, the overall smoking rate was 12.4 percent; this reporting area accounted for 25 percent of U.S. births in 2005. As noted above, the revised question on smoking differs considerably from the question on the 1989 certificate, and it has been expected that the revised question would elicit higher rates of smoking during pregnancy. It is important to note that neither the group of revised states nor the group of unrevised states is representative of all states. Further, trend analysis of prenatal smoking patterns is compromised by the changing composition of the revised and unrevised reporting areas (Table D). Although the differences in smoking levels between the revised and

unrevised reporting areas have diminished, the variations among population subgroups by race and Hispanic ethnicity persist for the revised states (Table D).

Smoking patterns among population subgroups based on birth certificate data have been confirmed by surveillance and survey data, although there may be some underreporting of smoking on the birth certificate (32,51). It is believed that the new question on prenatal smoking is providing higher quality, more reliable information in part because there is a specific time reference (each trimester) and women are afforded the chance to report that their smoking behavior has changed (52–54).

Teenagers 18–19 years and women in their early twenties have the highest smoking rates by age (19 percent in the revised reporting area) (Table F). Smoking rates for women in their thirties and older are sharply lower, 7 to 8 percent. These patterns are similar to those observed for the unrevised states (data not shown).

Smoking rates are highest for women who have attended but not graduated from high school and lowest for college educated women, a pattern that is evident regardless of whether the data are based on the revised or the unrevised smoking questions. In 2005, based on information from the 11 revised states, 20 percent of women who attended but did not complete high school were smokers compared with 2 percent of college graduates (Table F). Women with a grammar school education have relatively low smoking rates, about 5 percent in 2005.

Smoking during pregnancy has been repeatedly associated with adverse pregnancy outcomes, including low birthweight (LBW), intrauterine growth retardation, miscarriage, and infant mortality, as well as negative consequences for child health and development (55–57). These adverse consequences in turn are associated with substantial economic and social costs (58). Babies born to women who smoke are at substantially greater risk of LBW than babies born to nonsmokers. Both the unrevised and revised smoking questions substantiate this pattern for 2005. In the 11 states with the revised question, 11.9 percent of babies born to smokers were LBW compared with 7.5 percent of babies born to nonsmokers. This variation was observed for population subgroups as well (data not shown). The revised certificate provides the opportunity to explore whether there are differences in LBW risk according to the trimester of pregnancy that smoking is reported. The

**Table F. Percentage smokers by age of mother and by education of mother, total of 11 reporting areas, 2005**

| Age of mother               | Percent smoker | Education of mother   | Percent smoker |
|-----------------------------|----------------|-----------------------|----------------|
| Total . . . . .             | 12.4           | Total <sup>1</sup>    | 12.4           |
| Under 15 years . . . . .    | 5.2            | Grammar school        | 5.4            |
| 15–19 years . . . . .       | 16.6           | Less than high school | 20.2           |
| 15–17 years . . . . .       | 12.0           | High school diploma   | 19.3           |
| 18–19 years . . . . .       | 18.9           | Some college          | 11.6           |
| 20–24 years . . . . .       | 18.6           | College graduate      | 1.8            |
| 25–29 years . . . . .       | 11.5           |                       |                |
| 30–34 years . . . . .       | 7.1            |                       |                |
| 35–39 years . . . . .       | 7.1            |                       |                |
| 40 years and over . . . . . | 8.0            |                       |                |

<sup>1</sup>Includes births with unknown educational attainment, not shown separately.

NOTE: Includes data for births to residents of Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.<sup>a</sup>



available data are too limited now to examine changes in smoking behavior during pregnancy. These patterns will be examined as additional states implement the 2003 revision of the birth certificate.

## Medical Services Utilization

### Prenatal care

The 2003 revision of the birth certificate introduced substantive changes to information on the timing of prenatal care; see “[Technical Notes](#)” (5,6). Accordingly, prenatal care data based on the 1989 and 2003 Standard Certificates of Live Birth are not directly comparable, and are presented separately in this report. For 2005, data based on the 1989 Certificate (unrevised) are available for 37 states, New York City, and the District of Columbia. Data based on the 2003 Certificate (revised) are available for 12 states (New York State excluding New York City. Data for Vermont are also excluded because the state implemented the 2003 revision in 2005, but after January 1.) See [Tables D, 26\(a\) and 26\(b\)](#). Trend analysis of prenatal care utilization is compromised by the changing composition of the revised and unrevised reporting areas.

**Timely initiation of prenatal care** did not improve in the United States in 2005, for the second consecutive year. Prenatal care utilization had risen fairly steadily from 1990 to 2003; levels for 2003–2004 were essentially unchanged (7,59). For the 37 state unrevised reporting area, 83.9 percent of mothers began care within the first 3 months of pregnancy, a small decline from the level for this same reporting area for 2004 (84.2 percent). See [Table D](#). For the 12 revised states, 70.2 percent of mothers were reported to have begun care within the first 3 months of pregnancy. Among the seven state reporting area for which comparable data are available from revised certificates for 2004–2005, essentially no change was observed in the percentage of women receiving first trimester care ([Table D](#)).

Prenatal care data based on the revised certificate present a markedly less favorable picture of prenatal care utilization than those based on the unrevised certificate. For the first year the new certificates are implemented, the percentage of women reported to begin care in the first trimester typically falls in a state by at least 10 percent (54). Much, if not all of this decline is clearly related to changes in reporting and *not* to changes in prenatal care utilization. In brief, the revised item asks for the exact “date of the first prenatal visit,” and the instructions recommend that the information be collected directly from the mother’s prenatal care records (60). The 1989 Certificate, in contrast, includes the less specific “month of pregnancy prenatal care began” (e.g., first, second, and third), and no source for these data is recommended (6). State-specific levels of first trimester and late and no care for 2005 are shown in [Tables 26\(a\) and 26\(b\)](#).

Early, ongoing prenatal care can enhance pregnancy outcome by assessing risk, providing health care advice, and managing chronic and pregnancy-related health conditions (47, 61). Health care before pregnancy begins, or preconception care, is also recommended (62) Information on preconception care is not available from birth certificate data.

The percentages of women with first trimester care declined among non-Hispanic white mothers in both reporting areas between 2004 and 2005. Utilization generally improved, however, for non-Hispanic black and Hispanic mothers for both revised and unrevised reporting areas for 2005 ([Table D](#)). Essentially no change was

observed in the receipt of timely prenatal care for AIAN or API mothers. Sizable gains in prenatal care utilization have been observed since the early 1990s among groups which historically have had lower levels of care: non-Hispanic black, Hispanic, and AIAN women (59,63). These gains may be linked to the expansion of Medicaid for pregnant women in the late 1980s (64). Large disparities by race and Hispanic origin in the receipt of health care during pregnancy continue to persist, however. In 2005, Non-Hispanic black, Hispanic, and AIAN were more than twice as likely as non-Hispanic white women to receive late (care beginning in the third trimester of pregnancy) or no care ([Table D](#); data not shown for AIAN and API).

### Obstetric procedures

In this report, data are presented for the two obstetric procedures reported on both the 1989 and 2003 U.S. Standard Certificates of Live Birth: Induction of Labor and Tocolysis; see “[Technical Notes](#).” For 2005, the rate of induction of labor was 22.3 percent, a 5 percent increase from 2004 (21.2 percent). This rate has more than doubled since 1990 (9.5 percent) ([Table 25](#) for 2005 data).

Induction rates increased for births at all gestational age categories between 1990 and 2005. When only singleton births were examined (management of births in plural deliveries differs from management of singleton births), the trend was similar. Among singletons only, rates increased by over 75 percent at each gestational age group ([Table G](#)). Increases were greatest for late preterm (34–36 completed weeks of gestation) and term infants (37–41 weeks of gestation). Following large increases during the 1990s, induction levels for preterm births were down or unchanged for 2000–2003, but have risen since. Rates for infants at term and higher gestations have risen steadily since 2000. In 2005, approximately one of seven preterm and one of four term and higher deliveries were induced.

Increasing use of induction, as well as other obstetric interventions such as cesarean delivery, may be shifting the timing of deliveries towards earlier gestational ages (65,66). Rising induction rates may be partially related to an increase in elective inductions (inductions done for other than medical or obstetrical reasons) (67). Elective induction may increase the risk of cesarean delivery in nulliparous women (68).

For 2005, as for 2004, the rate for tocolysis, the use of agents employed to impede or postpone uterine activity for the management of preterm labor, was 2.0 percent. This rate was 2.1 percent 2001–2003. The rate of tocolysis has fluctuated only slightly since 1996. Research continues on the safety, efficacy and appropriate use of these agents (69).

### Characteristics of labor and delivery

Three characteristics of labor and delivery are comparable across the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth and are discussed here: moderate or heavy **meconium staining**, **breech and malpresentation** at delivery, and **precipitous labor**. Depending on the severity of the condition, complications of labor and delivery reported on the birth certificate may require medical intervention and can also affect the health of the infant.

Moderate or heavy **meconium staining** occurred in 46.0 per 1,000, or 5 percent, of all deliveries of live births in 2005 ([Table 25](#)). The presence of meconium during labor and delivery can directly alter the amniotic fluid, reduce antibacterial activity (and subsequently increase

**Table G. Rates of induction of labor by gestational age, singleton births: United States, 1990, 1995, 2000–2005, and percentage change, 1990–2005 and 2000–2005**

| Gestational age                   | 2005    | 2004 | 2003 | 2002 | 2001 | 2000 | 1995 | 1990 | Percent change, 1990–2005 | Percent change, 2000–2005 |
|-----------------------------------|---------|------|------|------|------|------|------|------|---------------------------|---------------------------|
|                                   |         |      |      |      |      |      |      |      |                           |                           |
|                                   | Percent |      |      |      |      |      |      |      |                           |                           |
| All gestations . . . . .          | 22.8    | 21.7 | 21.1 | 21.1 | 20.8 | 20.2 | 16.2 | 9.6  | 138                       | 13                        |
| Under 32 weeks . . . . .          | 8.9     | 8.7  | 8.6  | 8.8  | 8.9  | 9.2  | 7.8  | 5.0  | 78                        | –3                        |
| 32–33 weeks . . . . .             | 13.4    | 13.0 | 12.8 | 12.8 | 12.8 | 13.3 | 10.6 | 6.4  | 109                       | 1                         |
| 34–36 weeks . . . . .             | 17.3    | 16.7 | 16.0 | 16.2 | 16.2 | 16.2 | 12.6 | 7.5  | 131                       | 7                         |
| Total under 37 weeks . . . . .    | 15.6    | 15.1 | 14.5 | 14.7 | 14.7 | 14.8 | 11.6 | 6.9  | 126                       | 5                         |
| Total 37 weeks and over . . . . . | 23.7    | 22.5 | 21.9 | 21.8 | 21.6 | 20.8 | 16.7 | 9.9  | 139                       | 14                        |
| 37–39 weeks . . . . .             | 21.7    | 20.6 | 19.8 | 19.8 | 19.6 | 18.9 | 14.3 | 7.9  | 175                       | 15                        |
| 40–41 weeks . . . . .             | 26.8    | 25.3 | 24.8 | 24.6 | 24.1 | 22.9 | 18.5 | 10.7 | 150                       | 17                        |
| 42 weeks and over . . . . .       | 26.2    | 25.4 | 24.3 | 24.3 | 24.4 | 24.4 | 21.3 | 14.9 | 76                        | 7                         |

NOTE: Oklahoma did not report induction of labor in 1990.

the risk of perinatal bacterial infection), and damage the infant's lungs if inhaled (70). Meconium staining is most prevalent for younger mothers; rates decrease slightly with increasing age of mother. Among the three largest racial/ethnic groups, non-Hispanic black mothers had the highest rates of meconium staining (58.9 per 1,000), and non-Hispanic white mothers the lowest (40.4); the level for Hispanic mothers was 50.9.

**Breech/malpresentation** was reported at a level of 47.1 per 1,000 or 5 percent of births and **precipitous labor** at 20.0 per 1,000 (Table 25). Breech rates rise steadily with maternal age. The 2005 breech/malpresentation rate for mothers 40 years of age and older (71.0 per 1,000) was almost double that for mothers under 20 (36.5 per 1,000). See the "Technical Notes" for additional information on breech/malpresentation rates. Older mothers are also more likely to experience precipitous labor, but differences by age are less pronounced.

### Attendant at birth and place of delivery

In 2005, 99 percent of all births were delivered in hospitals; this level has been stable over the past several decades. Of the 1 percent of out-of-hospital births in 2005, 65.4 percent were in a residence and 27.3 percent in a freestanding birthing center. These levels have varied only moderately since 1989. (Table 27).

The percentage of all births delivered by physicians in hospitals was 91.6 percent for 2005, a slight increase from 2004 (91.5). This level has risen slightly since 2001–2002 (91.3 percent). In 2005, as in previous years, almost all doctor-attended births were attended by doctors of medicine (M.D.s). The percentage of physician-attended births attended by doctors of osteopathy (D.O.s) was 5.2, an increase from 2004 (4.9). This level has increased substantially since 1989 (3.0), the first year national data have been available. The growth in DO-attended births may reflect an increasing number of osteopathic physicians specializing in obstetrics (71).

The 2005 percentage of *all* births attended by midwives, 7.9 percent, was unchanged from 2004. Between 1975 and 2002, midwife-attended births steadily increased (from less than 1.0 to 8.1 percent). Because cesarean deliveries are almost exclusively performed by physicians, the percentage of all *vaginal* births attended by midwives was also calculated. This rate has nearly doubled since 1991, rising

from 5.7 to 11.2 percent. Due to underreporting of midwife-attended deliveries, these data should be considered lower estimates of the actual number of midwife-attended births (9,72).

Most midwife-attended births are by certified nurse midwives (CNMs). For 2005, the percentage of midwife-attended births by CNMs was 94.2 percent, lower than in 2002–2004 (94.6). Since 1989, this rate has remained at 90 percent or more. Most midwife attended births occur in hospitals.

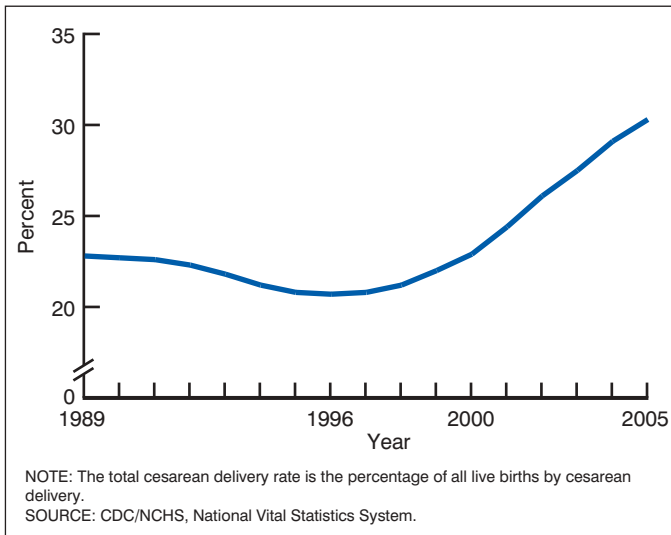
The percentage of all CNM attended births by race and Hispanic origin is presented in Tables 23 and 24. Data for CNM-attended *hospital* births show that they are more than twice as frequent among AIAN women (18.0 percent) than among Hispanic women (8.2 percent) and non-Hispanic white and black women (6.7–6.8 percent). Rates were lowest for API women (6.0 percent) (data not shown).

### Method of delivery

The total **cesarean delivery rate** for 2005 rose to the highest level ever reported in the United States, 30.3 percent. This is a 4-percent increase from the 2004 rate (29.1 percent). After declining between 1989 and 1996, the cesarean rate has increased by 46 percent from the 1996 low of 20.7 (Figure 10, Table 28). Total cesarean rates have also risen by a similar magnitude for low-risk women (i.e., women with a singleton full-term infant in vertex presentation) (73 and data not shown). National Hospital Discharge Survey data show similar trends in cesarean delivery for 1990–2005 (74,75).

The continued escalation in the total cesarean rate is being driven by the increasing rate of primary cesarean delivery and a steep decline in the rate of vaginal birth after cesarean delivery (VBAC). For over two decades the risks, benefits, and long-term consequences of cesarean and vaginal birth after cesarean (VBAC) delivery have been debated; recently there has been intense discussion regarding whether cesarean delivery should be performed when there is no medical or obstetrical indication for the procedure (76–78). In 2006, an NIH expert panel recommended against cesareans that are not medically indicated for women desiring several children, and for pregnancies of less than 39 weeks of gestation (79).

Information on Method of Delivery is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard



**Figure 10. Total cesarean delivery rate: United States, 1989–2005**

Certificate of Live Birth (unrevised). However, the format and wording of the Method of Delivery item on the revised standard certificate differs from that of the unrevised standard certificate (see “[Technical Notes](#)”). The unrevised Method of Delivery item asks a direct question on whether the birth was vaginal, VBAC, or a primary or repeat cesarean delivery. In contrast, the revised Method of Delivery item asks if the final route of delivery was vaginal (with or without forceps or vacuum assistance) or a cesarean delivery. Information on *type* of vaginal (vaginal or VBAC) and *type* of cesarean delivery (primary or repeat) is calculated from the response to a question under a different item, Risk Factors in this Pregnancy, which asks if the mother had a previous cesarean delivery. As a result, although data on total cesarean delivery appear very comparable, data on VBAC, primary, and repeat cesarean deliveries are not directly comparable between revisions, and are presented separately for revised and unrevised reporting areas. See “[Technical Notes](#).”

For 2005, unrevised data on method of delivery are available for 37 reporting areas including New York City and the District of Columbia (69 percent of all 2005 births). Revised data are available for all of 2005 for 12 states (Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington), representing 31 percent of all births. (Data for Vermont are excluded because they implemented the 2003 revision after January 1, 2005.)

In the 12 states that revised for all of 2005, the **primary cesarean rate** was 24.3 per 100 live births to women who had not had a previous cesarean delivery. Comparing the seven states that revised in 2004 with the same states in 2005, the primary cesarean rate increased by 1 percent from 23.1 to 23.4 percent ([Table D](#)). For the 37 state unrevised reporting area, the primary cesarean rate for 2005 (20.3) was 4 percent higher than for 2004 (19.6). The increase in primary cesarean deliveries since 1996 may be associated with nonclinical factors such as demographics, physician practice patterns, and maternal choice (77,80). In the 12 revised states for which data are available for 2005, 10.1 percent of women had a VBAC. The **VBAC rate** for the seven states that revised in 2004 fell from 14.1 percent (2004) to 12.0 percent (2005) ([Table D](#)). The VBAC rate for the 37 state reporting area for

2005 (7.9) per 100 live births to women who had a previous cesarean) was 13 percent lower than in 2004 (9.1). In short, substantial declines were observed in both revised and unrevised reporting areas.

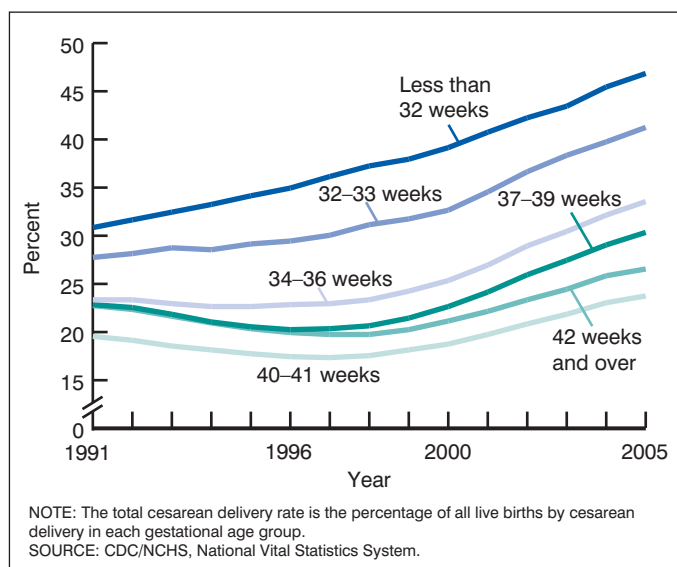
Once a woman has a first (primary) cesarean delivery, subsequent deliveries will be either a repeat cesarean or a vaginal birth after cesarean (VBAC). The sharp decline in the rate of VBAC indicates a corresponding increase in the rate of repeat cesarean deliveries (the rate of cesarean delivery per 100 women with a previous cesarean). Repeat cesarean rates for both revised and unrevised reporting areas are approximately 90 percent. In other words, once a woman has a cesarean delivery there is approximately a 90 percent chance that subsequent deliveries will be cesarean deliveries. The plummeting VBAC rate (i.e., the increase in the repeat cesarean rate) may be related to reports of risks associated with VBAC, more conservative practice guidelines, legal pressures, as well as the continuing debate regarding the harms and benefits of vaginal birth versus cesarean section (78,81,82).

**Trends and variations in total cesarean delivery rates**—Between 2004 and 2005, the total cesarean rate increased for all ages, and for all racial and ethnic groups ([Tables 23–24 and 29](#)). As in past years, total cesarean rates rose as maternal age increased. For example, the 2005 rate for mothers 40–54 years of age (46.2) was over twice as high as that for mothers under age 20 (21.5) ([Table 29](#)). The higher rates for older mothers may be related to increased rates of multiple births, other biologic factors and patient/practitioner concerns (83).

**Among the largest racial and Hispanic origin groups**, total cesarean rates were highest for non-Hispanic black (32.6) compared with non-Hispanic white (30.4) and Hispanic women (29.0) ([Table 29](#)). Among Hispanic subgroups, the total cesarean rate ranged between 28.0 percent for Mexican, to 45.0 percent for Cuban mothers. For AIAN women, the overall cesarean rate in 2005 was 25.9 percent; the rate for API mothers was 29.7 percent ([Tables 23 and 24](#)).

**Cesarean rates increased for births at all gestational ages** between 1996 and 2005. When only singleton births were examined (births in plural deliveries are much more likely to be delivered by cesarean section), the trend was similar. The *average annual increase* in the cesarean rate at each gestational age category 1997 to 1999 was 1 to 3 percent, compared with *an average annual increase* of 4 to 6 percent for 2000 to 2005. Between 1996 and 2005, cesarean rates rose by 33 to 50 percent for each gestational age category, including very preterm infants (less than 32 completed weeks of gestation), **see [Figure 11](#)**. Very preterm singleton infants had the highest cesarean rate, 46.8 percent. Approximately one-third of all singletons born at 34–36 weeks (late preterm) and at 37–39 weeks, were delivered by cesarean; about one-fourth of infants born at 40 weeks and greater were delivered by cesarean.

For 2004–2005 **total cesarean rates increased for all states** except Delaware, Nebraska and South Dakota, and the District of Columbia. As in prior years, there was considerable variation in cesarean rates by state, from under 22 percent in Alaska and Utah, to over 35 percent for Louisiana, Mississippi, and New Jersey, ([Table 30](#)). Almost one-half (48.1 percent) of births in Puerto Rico were cesarean deliveries. An analysis of cesarean delivery rates for Puerto Rican women by place of delivery (Puerto Rico compared with the U.S. mainland) found that rates in Puerto Rico were substantially higher than for Puerto Rican women who delivered on the U.S. mainland (84).



**Figure 11. Total cesarean delivery rate by gestational age, singleton births: United States, 1991–2005**

State specific VBAC rates are shown in [Tables 31a](#), and [31b](#). Declines in VBAC rates were observed 2004–2005 for most states in both the revised and unrevised reporting areas.

In 2005, about 198,000 infants were delivered by either forceps or vacuum extraction. Since 1996, concurrent with the increase in the cesarean rate, the percentage of vaginal births assisted by either of these methods has decreased 49 percent, (from 9.4 to 4.8), ([Table H](#)). For 2005, the rate of forceps delivery was less than 1 percent (0.9); there has been a large steady decline in this rate since 1990 (5.1 percent). The rate of delivery by vacuum extraction, which had increased by 59 percent between 1990 (3.9) and 1997 (6.2 percent), has since decreased to 3.9 percent for 2005.

## Infant Health Characteristics

### Period of gestation

The **preterm birth rate** rose to 12.7 percent for 2005, a 2 percent increase over the 2004 level of 12.5 percent. The per-

**Table H. Percentage of live births delivered by forceps or vacuum extraction, 1990 and 1995–2005**

| Year              | Forceps | Vacuum extraction | Forceps or vacuum |
|-------------------|---------|-------------------|-------------------|
| 2005              | 0.9     | 3.9               | 4.8               |
| 2004              | 1.1     | 4.1               | 5.2               |
| 2003              | 1.3     | 4.3               | 5.6               |
| 2002              | 1.5     | 4.4               | 5.9               |
| 2001              | 1.8     | 4.5               | 6.3               |
| 2000              | 2.1     | 4.9               | 7.0               |
| 1999              | 2.3     | 5.1               | 7.4               |
| 1998              | 2.6     | 6.0               | 8.6               |
| 1997              | 2.8     | 6.2               | 9.0               |
| 1996              | 3.2     | 6.2               | 9.4               |
| 1995              | 3.5     | 5.9               | 9.4               |
| 1990 <sup>1</sup> | 5.1     | 3.9               | 9.0               |

<sup>1</sup>Excludes data for Oklahoma, which did not report method of delivery for 1990.

centage of births delivered preterm (less than 37 completed weeks of gestation) has risen 9 percent since 2000, and 20 percent since 1990. See [Tables J](#), [23](#), [24](#), and [32–34](#). The percentage of infants born at less than 34 weeks was not significantly changed between 2004 and 2005 (3.6 percent), but infants delivered late preterm (34–36 weeks) rose 2 percent, from 8.9 to 9.1 percent. The late preterm birth rate has climbed 25 percent since 1990 (from 7.3 percent). ([Figure 1](#)). See “[Technical Notes](#)” for information on gestation age measurement using birth certificate data.

Infants delivered preterm are at greater risk of early death and long-term health and developmental issues than those born later in pregnancy (85,86). More than one-third of all infant deaths in the United States are preterm-related (87). Unfortunately, the causes and best management of preterm labor are not well understood (85,86,88).

Preterm birth rates rose for 2004–2005 among the three largest racial/Hispanic origin groups; non-Hispanic white (from 11.5 to 11.7 percent), non-Hispanic black (17.9 to 18.4 percent) and Hispanic infants (12.0 to 12.1 percent) ([Table 33](#)). Since 1990, preterm rates have climbed 38 percent for non-Hispanic white (from 8.5 percent) and 10 percent for Hispanic births (from 11.0 percent). Among non-Hispanic black infants, preterm rates declined during much of the 1990s (from a high of 19.0 percent in 1991, to a low of 17.4 in 2000), but have been slowly rising since 2001. Preterm levels for 2005 for AIANs, APIs, and the Hispanic subgroups are shown in [Tables 23](#) and [24](#).

The large gap in preterm birth by race has long been of concern (89). Non-Hispanic black infants are more than three times as likely to be born extremely preterm (less than 28 weeks of gestation) (1.9 percent) compared with non-Hispanic white and Hispanic infants (0.6 percent) ([Table 32](#)). Indeed, non-Hispanic black infants accounted for more than one-third of all the extremely preterm infants born in the United States in 2005, but less than one-seventh of all births. This disparity in very short gestation infants by race has been linked to the substantial black/white gap in infant mortality (90).

The **preterm birth rate for singleton births** rose from 10.8 to 11.0 percent between 2004 and 2005 ([Table J](#)). Rates excluding multiple births are presented because infants in multiple-gestation pregnancies are much more likely to be born preterm than infants in single-gestation pregnancies and their increasing numbers have had an important influence on overall preterm birth rates in recent years. Albeit somewhat less pronounced than the preterm rate for all births, the preterm rate for singletons only has also been on the rise, up 13 percent since 1990 (from 9.7 percent). All of the increase has been among late preterm births; the proportion of singleton births less than 34 weeks is essentially unchanged over this period. See [Table J](#). Singleton late preterm birth rates increased for 2004–2005 for each of the three largest race/Hispanic origin groups. Since 2000, these levels are up 12 percent for non-Hispanic white, and 7–8 percent for non-Hispanic black and Hispanics births ([Figure 12](#)). Although at lower risk of poor outcome than infants born at earlier gestational ages, late preterm births comprise the bulk of all preterm births, and are at heightened risk when compared with infants delivered at term or greater and (85,91).

The trend to earlier deliveries is also seen among term and higher gestations (37 and more weeks). Among singletons, the percentage of births delivered at 40 weeks and greater has declined 14 percent since 2000, and 29 percent since 1990. In contrast, the percentage of births delivered at 37–39 weeks has increased 10 and 31 percent over these

**Table J. Percent distribution of gestational age for all births and for singleton births only: United States, 1990, 2000, 2004 and 2005**

| Gestational age                | All births |       |       |       | Singleton births |       |       |       |
|--------------------------------|------------|-------|-------|-------|------------------|-------|-------|-------|
|                                | 2005       | 2004  | 2000  | 1990  | 2005             | 2004  | 2000  | 1990  |
| Under 28 weeks . . . . .       | 0.77       | 0.75  | 0.72  | 0.71  | 0.61             | 0.61  | 0.59  | 0.61  |
| 28–31 weeks . . . . .          | 1.26       | 1.25  | 1.21  | 1.21  | 1.02             | 1.01  | 0.99  | 1.08  |
| 32–33 weeks . . . . .          | 1.60       | 1.59  | 1.49  | 1.40  | 1.28             | 1.28  | 1.22  | 1.24  |
| Total under 34 weeks . . . . . | 3.63       | 3.60  | 3.42  | 3.32  | 2.91             | 2.89  | 2.80  | 2.93  |
| 34–36 weeks . . . . .          | 9.09       | 8.90  | 8.22  | 7.30  | 8.09             | 7.88  | 7.33  | 6.77  |
| Total under 37 weeks . . . . . | 12.73      | 12.49 | 11.64 | 10.61 | 11.00            | 10.78 | 10.12 | 9.70  |
| 37–39 weeks . . . . .          | 53.54      | 52.36 | 48.83 | 41.38 | 54.26            | 53.03 | 49.27 | 41.42 |
| 40 and higher weeks . . . . .  | 33.73      | 35.15 | 39.54 | 48.00 | 34.74            | 36.20 | 40.61 | 48.88 |

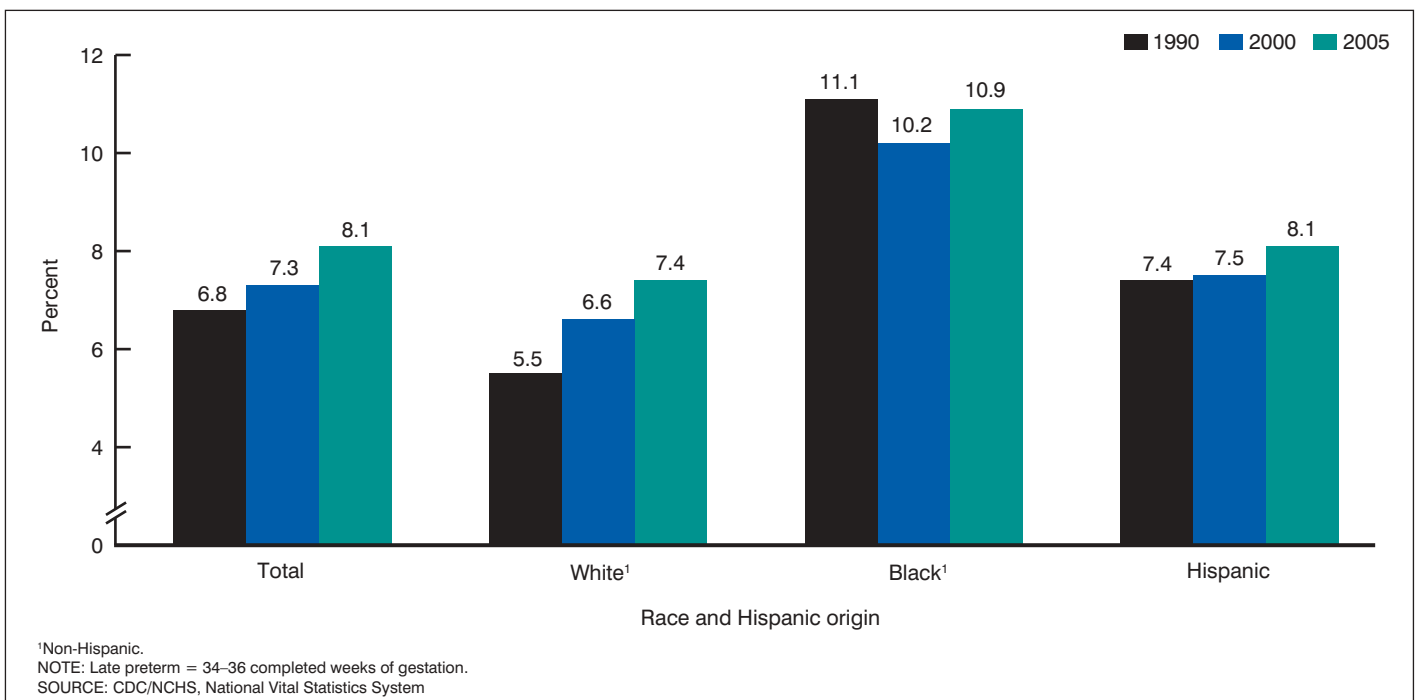
time periods (Table J). This continued pronounced shift towards shorter gestational ages suggests more medical management of labor and delivery via techniques such as induction of labor and cesarean delivery (65,66,92). See also sections on “Method of delivery”, “Obstetric procedures” and “Multiple births”. State-specific preterm birth rates are shown in Table 34.

## Birthweight

The **low birthweight (LBW) rate** rose to 8.2 percent of all births in 2005, from 8.1 percent in 2004, matching highs reported nearly 40 years earlier. The LBW rate, the percentage of infants born at less than 2,500 grams or 5 lb 8 oz, has been rising fairly steadily since the mid-1980s. The 2005 level is 8 percent higher than that for 2000 (7.6 percent), and 22 percent higher than the 1984 low (6.7 percent). (See Tables 32, 33, and 35.) Increases were seen among very low (less than 1,500 grams) and moderately low birthweight (1,500–2,499 grams) newborns between 2004 and 2005; **very low birthweight (VLBW)** rose from 1.48 to 1.49 percent, and **moderately low**

**birthweight (MLBW)** from 6.60 to 6.69 percent (data not shown). VLBW and MLBW levels have each risen by more than 20 percent since the mid-1980s. Birthweight is an important predictor of early death and long-term disability (85,93,94); the lower the birthweight, the greater the risk of poor outcome. In 2004, nearly one-fourth of all VLBW infants compared with less than ½ of 1 percent of normal weight infants (2,500 and more grams) did not survive their first year of life (85).

LBW levels rose for the current year among each of the largest racial/ethnic groups; non-Hispanic white (from 7.2 to 7.3 percent for 2004–2005), non-Hispanic black (from 13.7 to 14.0 percent) and Hispanic (from 6.8 to 6.9 percent) (Table 33). The LBW rate for non-Hispanic black infants, which had trended slightly downward during the 1990s, has risen 7 percent since 2000–2001 (13.1 percent). The rate of VLBW increased for non-Hispanic black infants for 2004–2005; the increase for non-Hispanic white was not statistically significant. Tables 23 and 24 show 2005 LBW rates for AIAN and API infants, and the Hispanic subgroups.

**Figure 12. Percentage of late preterm singleton births by race and Hispanic origin of mother: United States, 1990, 2000, 2005**

Over the past 15 years, the birthweight distribution has shifted markedly towards lower weights (Figure 13). Between 1990 and 2005, the percentage of births weighing less than 3,500 grams has risen, whereas that for heavier infants has declined. Of potential concern is the substantial decline in the percentage of infants born at 3,500–4,499 grams (7 lb 12 oz–9 lb 14 oz), weights at which infant survival is most likely. The percentage of infants born at 3,500–3,999 declined from 29.4 to 27.0 and that for infants 4,000–4,499 from 9.1 to 7.0 between 1990–2005. Increases in the multiple birth rate, obstetric interventions such as induction of labor and cesarean delivery, older maternal age at childbearing and increased use of infertility therapies may have influenced the trends towards lower weight at birth. See also sections on “Obstetric procedures,” “Method of delivery,” and “Gestational age” (65,92, and 95–99).

Although the increase in the rate of multiple births, which tend to be born much smaller than singletons, has influenced the upturn in overall LBW, the LBW rate for singletons has also been on the rise, particularly in more recent years (Table K). For 2004–2005, the **LBW rate for singletons** increased from 6.3 to 6.4 percent. This level rose 2 percent between 1990 and 2000, and is up 7 percent since 2000 (6.0 percent).

Singleton LBW rose for non-Hispanic white and non-Hispanic black infants, but did not increase significantly for Hispanic births. Since 2000, LBW rates have risen 5 to 6 percent for non-Hispanic black and Hispanic singletons, and 9 percent among non-Hispanic whites. The risk of LBW among non-Hispanic black infants born in single deliveries continues to be more than twice that of non-Hispanic white and Hispanic infants (Table K.)

Wide differences in LBW levels are seen across reporting areas (Tables 36). For 2005, more than 11 percent of all infants in Louisiana, Mississippi, and the District of Columbia were born LBW, compared with 6.1–6.2 percent in Alaska, Oregon, Vermont, and Washington. Among states with at least 100 births to non-Hispanic black mothers, six states (Alabama, Colorado, Illinois, Louisiana, Mississippi, and South Carolina) reported 2005 LBW rates for non-Hispanic black infants of at least 15.0 percent. See Table 37 for state-specific VLBW rates.

## Apgar score

The Apgar score has been employed for over 50 years to assess the physical condition and short term prognosis of newborns. Historically, the score has been measured at 1 minute, 5 minutes, and if needed, at additional 5-minute intervals after delivery (100). Information on the 5 minute score is included in national birth certificate data. The Apgar score measures five easily identifiable characteristics of newborns. A 5-minute score of 0 to 3 indicates an infant in immediate need of resuscitation; 4 to 6 is considered intermediate, and 7 to 10 is considered *normal*. The Apgar score is a useful clinical indicator for reporting overall status of the neonate and need for, and response to resuscitation efforts. The Apgar score at 5 minutes is a valid predictor of neonatal mortality, but correlates poorly with future outcomes (101).

Among the 48-state reporting area for which comparable data are available (California and Texas did not report the Apgar score for 2004), the percentage of births with excellent 5-minute score (9 and 10) increased slightly from 88.8 to 89.1 between 2004 and 2005, but remained lower than the 2003 high of 91.1 percent, the highest achieved in over a 25 year span.

The proportion of births with low Apgar scores (below 7) was 1.5 in 2005 (Table L). This level had declined from 1.5 percent 1990 to 1.2 in 2000, but has risen since. Low 5-minute Apgar scores are associated with lower birthweight and shorter gestational age (102,103), but are also influenced by a number of other factors (101).

Among racial/ethnic groups in 2005, non-Hispanic blacks had the highest percent (2.5) of low Apgar scores; nearly twice the level of other groups (Table L). Asian and Pacific Islanders had the lowest percent (1.0) of live births in this category. In the period 1990–2005, trends of low Apgar scores for the major race and ethnic groups are similar to those for all births (data not shown).

## Congenital anomalies

Congenital anomalies remain the leading cause of infant death in the United States; they also cause developmental disorders,

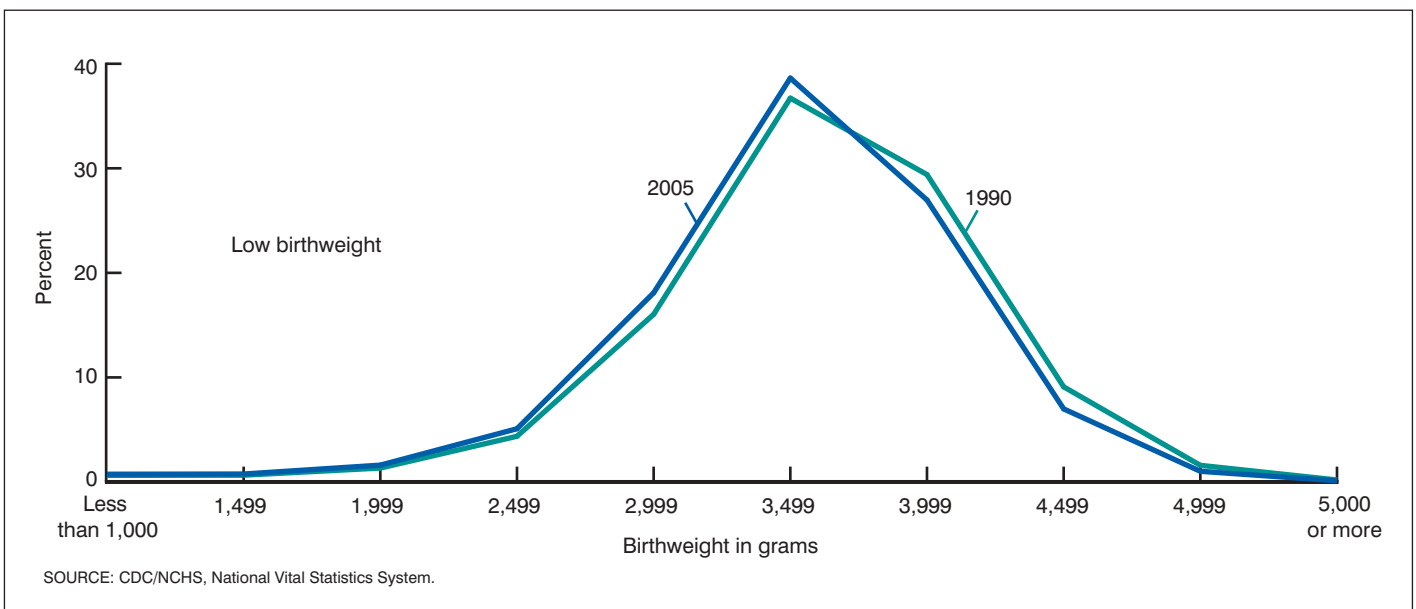


Figure 13. Percent distribution of births by birthweight: United States, 1990 and 2005

**Table K. Rate of very low birthweight and low birthweight, and mean birthweight among singletons by race and Hispanic origin of mother, United States: 1990, 1995, 2000, 2004 and 2005**

|  | 2005        | 2004        | 2000        | 1995        | 1990 <sup>1</sup> |
|--|-------------|-------------|-------------|-------------|-------------------|
| All races and origins <sup>2</sup>                   |             |             |             |             |                   |
| Percent very low birthweight . . . . .               | 1.14        | 1.12        | 1.11        | 1.08        | 1.05              |
| Percent low birthweight . . . . .                    | 6.41        | 6.31        | 6.00        | 6.05        | 5.90              |
| Mean birthweight in grams (standard deviation) . . . | 3,307 (568) | 3,316 (570) | 3,348 (577) | 3,353 (581) | 3,365 (583)       |
| Non-Hispanic white                                   |             |             |             |             |                   |
| Percent very low birthweight . . . . .               | 0.84        | 0.83        | 0.80        | 0.78        | 0.73              |
| Percent low birthweight . . . . .                    | 5.32        | 5.22        | 4.88        | 4.87        | 4.56              |
| Mean birthweight in grams (standard deviation) . . . | 3,364 (552) | 3,375 (554) | 3,410 (560) | 3,416 (563) | 3,433 (562)       |
| Non-Hispanic black                                   |             |             |             |             |                   |
| Percent very low birthweight . . . . .               | 2.71        | 2.61        | 2.62        | 2.55        | 2.54              |
| Percent low birthweight . . . . .                    | 11.90       | 11.70       | 11.28       | 11.66       | 11.92             |
| Mean birthweight in grams (standard deviation) . . . | 3,105 (629) | 3,115 (628) | 3,141 (637) | 3,132 (635) | 3,128 (635)       |
| Hispanic <sup>3</sup>                                |             |             |             |             |                   |
| Percent very low birthweight . . . . .               | 0.97        | 0.98        | 0.94        | 0.93        | 0.87              |
| Percent low birthweight . . . . .                    | 5.69        | 5.63        | 5.36        | 5.36        | 5.23              |
| Mean birthweight in grams (standard deviation) . . . | 3,309 (545) | 3,316 (548) | 3,344 (552) | 3,343 (553) | 3,351 (552)       |

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

<sup>2</sup>Includes races other than white and black and origin not stated.

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

NOTES: Very low birthweight is less than 1,500 grams. Low birthweight is less than 2,500 grams. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Management and Budget standards. Nineteen states reported multiple race data for 2005. Multiple race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states; see "Technical Notes."

disability, and are a leading cause of costly hospitalizations (85,104). In this report, data are presented for the five congenital anomalies reported on both the revised and unrevised U.S. Standard Certificates of Live Birth: anencephaly, meningomyelocele/spina bifida, cleft lip/palate, Down syndrome, and omphalocele/gastroschisis; see "Technical Notes."

There has been a national effort to prevent neural tube defects (NTDs) such as spina bifida and anencephalus by encouraging increased intake of folic acid among women of childbearing age; increased folate use among women in this age group has been reported (105). Greater maternal weight may also be a risk factor for NTDs (106), and multivitamin supplementation may protect against defects other than NTDs (107).

The rate for the NTD **anencephaly** was 11.3 in 2005, compared with 10.9 per 100,000 births in 2004. The anencephaly rate declined in the early 1990s, and was stable for 1994–1997 (105). Between 1998 and 2005, the rate was essentially unchanged. The rate of **meningomyelocele/spina bifida** was 18.0 per 100,000 in 2005, compared with 19.3 in 2004 (Table 25). The spina bifida rate rose between 1992 and 1995, and declined for 1995–1999 (105). The rate for this anomaly has not changed significantly in more recent years.

Congenital anomalies are underreported on the birth certificate; early ascertainment and reporting of some anomalies is limited because not all are recognizable at birth (108). Birth certificate data, however, have been found to be a valuable resource for exploratory or confirmatory studies (e.g., supporting an association between

**Table L. Apgar score at 5 minutes, by race and Hispanic origin of mother: 49 states and the District of Columbia, 2005**

| 5 minute Apgar score       | All races and origins <sup>1</sup> | Non-Hispanic white | Non-Hispanic black | American Indian or Alaska Native total <sup>2</sup> | Asian or Pacific Islander total <sup>2</sup> | Hispanic <sup>3</sup> |
|----------------------------|------------------------------------|--------------------|--------------------|---|--|-----------------------|
| 0–3 Poor . . . . .         | 0.5                                | 0.4                | 1.0                | 0.4   | 0.3  | 0.4                   |
| 4–6 Intermediate . . . . . | 1.0                                | 1.0                | 1.5                | 0.9   | 0.7  | 0.9                   |
| 7–8 Good . . . . .         | 10.0                               | 10.2               | 10.4               | 9.3   | 7.5  | 9.4                   |
| 9–10 Excellent . . . . .   | 88.5                               | 88.4               | 87.1               | 89.4  | 91.5   | 89.3                  |
| 0–6 Low . . . . .          | 1.5                                | 1.4                | 2.5                | 1.3   | 1.0  | 1.3                   |

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

<sup>2</sup>Data for all persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."

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

NOTES: Excludes data for California, which did not report 5-minute Apgar score on the birth certificate. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table, Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple race data for 2005. The multiple race data for these states were bridged to the single race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

maternal smoking and birth defects such as cleft lip/palate, and club-foot) (109,110). The congenital anomalies reported on birth certificates are rare events. Because a small change in the number of anomalies reported can result in a relatively large change in rates, caution should also be used in comparing yearly rates for a specific anomaly.

Among the most commonly reported specific anomalies, **cleft lip/palate** was reported at a rate of 79.1 per 100,000 births. The rate of **Down syndrome**, a less common anomaly, was 49.0.

Rates for certain types of anomalies vary widely by maternal age (Table 25). For example, in 2005 as in past years, infants of mothers 35 years of age and older have the highest rates for Down syndrome, whereas, infants of mothers 20 years of age and younger have the highest rates for omphalocele/gastroschisis (a defect or abnormality of the anterior abdominal wall) (111).

### Multiple births

The 2005 twin birth rate was 32.2 per 1,000 unchanged from 2004. The twin birth rate (twins per 1,000 total births) had been rising steadily, climbing an average of 3 percent a year between 1990 and 2004, for a total increase of 42 percent since 1990, and 70 percent since 1980 (See Tables 38 and 39.) The number of live births in twin deliveries rose 1 percent between 2004 and 2005 to 133,122 births; this number has almost doubled since 1980 (from 68,339).

The downward trend in the **rate of triplet and higher order multiple births** (triplet/+), observed since 1999, continued in 2005. The 2005 rate was 161.8 per 100,000 births, compared with 176.9 in 2004. The triplet/+ birth rate (the number of triplets, quadruplets, and quintuplets and other higher order multiples per 100,000 live births) climbed by more than 400 percent during the 1980s and 1990s, peaking at 193.5 per 100,000 births in 1998. This rate has been declining slowly since, however, and the 2005 level is 16 percent lower than the 1998 high (Table 39 and Figure 14). The number of births in triplet/+ deliveries dropped 8 percent between 2004 and 2005, to a total of 6,694, including 6,208 triplets, 418 quadruplets and 68 quintuplets. The rate of births in quadruplet and higher order deliveries, as distinct from the triplet/+ rate, has also generally been on the decline, see Table M.

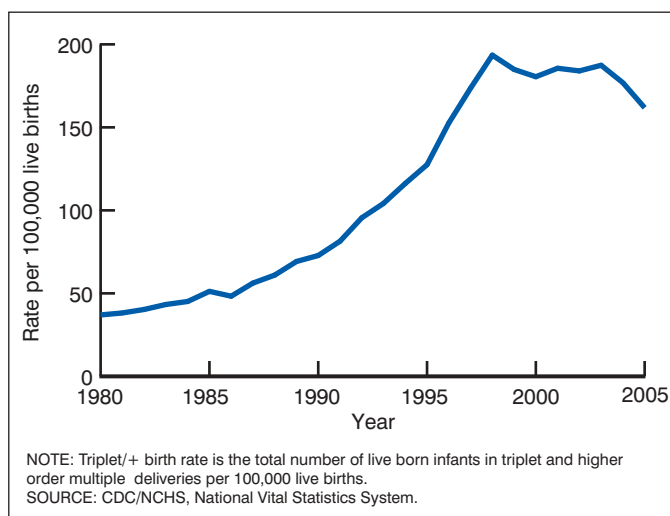


Figure 14. Triplet/+birth rate: United States, 1980–2005

The unparalleled rise in multiple births over the last two decades has been of large public health concern because of their high risk of preterm birth, low birthweight, long-term morbidity, and early death (7,85,112). Twins are 5 times, and triplets nearly 15 times more likely than singletons to die within a month of birth. (85).

Between 2004 and 2005 twinning rates were essentially unchanged among the three largest racial/Hispanic origin groups; non-Hispanic white (36.1 per 1,000 in 2005), non-Hispanic black (36.4), and Hispanic (22.0). Since 1990, rates have risen 58 percent for non-Hispanic white, and 36 and 22 percent, respectively, for non-Hispanic black and Hispanic women.

Triplet/+ birth rates were not significantly different in 2005 from the previous year for the three largest race/Hispanic origin groups: non-Hispanic white (217.8), non-Hispanic black (105.5) and Hispanic (77.2). Between 1980 and 1998, large increases in triplet/+ birth rates were observed for each of these groups, but the most striking increase was among white mothers, up nearly 500 percent (113,114). Quite different trends by race/Hispanic origin have emerged since 1998, however;

Table M. Numbers of twin, triplet, quadruplet, and quintuplet and other higher order multiple births: United States, 1990, 1995–2005

| Year | Twins   | Triplets | Quadruplets | Quintuplets and other higher multiple births <sup>1</sup> | Triplet birth rate <sup>2</sup> | Quadruplet and higher order multiple birth rate <sup>3</sup> |
|------|---------|----------|-------------|---|---------------------------------|--|
| 2005 | 133,122 | 6,208    | 418         | 68  | 150.0                           | 11.7   |
| 2004 | 132,219 | 6,750    | 439         | 86  | 164.2                           | 12.8   |
| 2003 | 128,665 | 7,110    | 468         | 85  | 173.8                           | 13.5   |
| 2002 | 125,134 | 6,898    | 434         | 69  | 171.5                           | 12.5   |
| 2001 | 121,246 | 6,885    | 501         | 85  | 171.0                           | 14.6   |
| 2000 | 118,916 | 6,742    | 506         | 77  | 166.1                           | 14.4   |
| 1999 | 114,307 | 6,742    | 512         | 67  | 170.3                           | 14.6   |
| 1998 | 110,670 | 6,919    | 627         | 79  | 175.5                           | 17.9   |
| 1997 | 104,137 | 6,148    | 510         | 79  | 158.4                           | 15.2   |
| 1996 | 100,750 | 5,298    | 560         | 81  | 136.1                           | 16.5   |
| 1995 | 96,736  | 4,551    | 365         | 57  | 116.7                           | 10.8   |
| 1990 | 93,865  | 2,830    | 185         | 13  | 71.6                            | 5.0  |

<sup>1</sup>Quintuplets, sextuplets and higher order multiple births are not differentiated in the national data set.

<sup>2</sup>Triplet births per 100,000 total births.

<sup>3</sup>Quadruplet and higher order multiple births per 100,000 total births.



triplet/+ birth rates have declined among non-Hispanic white, but have risen among non-Hispanic black women (Table 39).

Two related trends have been closely associated with the rise in multiple births over the last two decades; the older age at childbearing (women in their thirties are more likely than younger women to conceive multiples spontaneously) and the widening use of fertility therapies (31,115–118). These therapies include assisted reproductive technologies (ART) in which eggs and sperm are handled in the laboratory (e.g., *in vitro* fertilization), and non-ART therapies such as ovulation-inducing drugs and artificial insemination. ART therapies alone are estimated to account for 17 percent of all twins and 40 percent of triplets born in 2004 (118).

The more recent modest downward trend in triplet/+ births has been related to recommendations in the late 1990s (revised in 2004 and 2006) from The American Society of Reproductive Medicine intended to prevent higher-order multiple gestations by limiting the number of embryos transferred (119–122). Other factors also may have influenced the attenuation in triplet/+ birth rates (123,124).

As would be expected given the association among increasing maternal age, fertility therapies, and multiple births, older women are much more likely to give birth to a twin or triplet/+. In 2005, one of every five births to women 45 years of age and older was born in twin delivery compared with less than two of every 100 births to mothers under 20 years of age. Differentials in age-specific rates are even wider for triplet/+ births, see Table 38.

The shift towards earlier delivery observed among singletons (see section on gestational age) is even more apparent among multiples. Between 1990 and 2005, the percentage of twins delivered preterm has risen from 48 to 60 with large increases seen both among twins born at less than 34 weeks, and at 34 to 36 weeks (Figure 15). A marked trend to shorter pregnancies is also observed among triplets over this period (Table N). As with singletons, these changes may be associated with medical interventions (125).

Multiple birth rates also differ greatly by state. In Table 40, 3 years of data are combined to generate statistically reliable twin and triplet/+ birth rates by state. For years 2003–2005, twins accounted for more than 4 percent of all births (or more than 40 per 1,000) in Connecticut, Massachusetts, and New Jersey. These states plus Nebraska also reported the highest levels of triplet/+ births (more than 245 per 100,000). The lowest rates were reported for New Mexico, 24.2 (twins), and 65.9 (triplets).

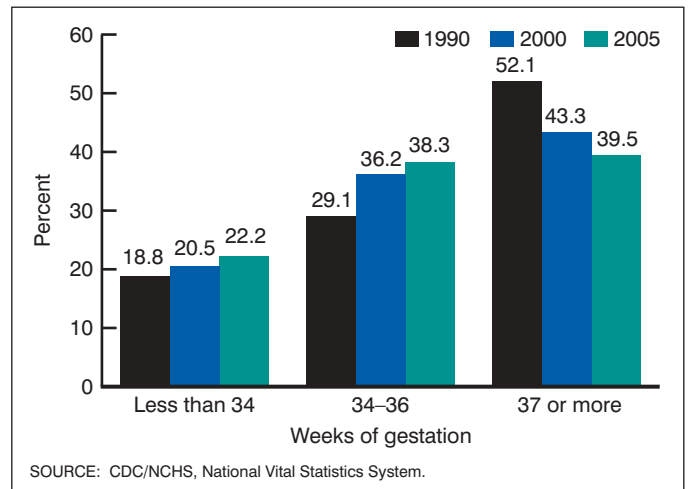


Figure 15. Gestational age distribution of twin births: United States, 1990, 2000, and 2005

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Table N. Distribution of triplet births by gestational age, United States: 1990, 2000 and 2005

|                              | 2005 | 2000 | 1990 | Percent change 1990–2005 | Percent change 2000–2005 |
|------------------------------|------|------|------|--------------------------|--------------------------|
| Less than 28 weeks . . . . . | 12.7 | 11.2 | 11.5 | 10                       | 13                       |
| 28–31 weeks . . . . .        | 25.6 | 23.3 | 18.0 | 42                       | 10                       |
| 32–33 weeks . . . . .        | 25.8 | 25.1 | 20.7 | 25                       | 3                        |
| Less than 34 weeks . . . . . | 64.1 | 59.6 | 50.2 | 28                       | 8                        |
| 34–36 weeks . . . . .        | 29.6 | 32.7 | 37.7 | -21                      | -9                       |
| 37 weeks or more . . . . .   | 6.3  | 7.7  | 12.1 | -48                      | -18                      |

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# Guide to Tables in Births: Final Data for 2005

| TABLE:  | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10             | 11 | 12             | 13             | 14             | 15             | 16 | 17 | 18             | 19             | 20             | 21             |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----|----------------|----------------|----------------|----------------|----|----|----------------|----------------|----------------|----------------|
| Geographic area:                                  |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| States <sup>1</sup> . . . . .                     |               |               |               |               |               |               |               |               |               |                | 11 | 12             | 13             |                |                |    |    |                |                |                | 20             |
| United States<br>or all reporting areas . . . . . | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10             | 11 | 12             | 13             | 14             | 15             | 16 | 17 | 18             | 19             | 20             | 21             |
| Years:  |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Current year only . . . . .                       |               | 2             | 3             |               |               |               | 7             |               |               |                | 11 | 12             | 13             | 14             | 15             | 16 | 17 | 18             |                | 20             |                |
| Trend . . . . .                                   | 1             |               |               | 4             | 5             | 6             |               | 8             | 9             | 10             |    |                |                |                |                |    |    |                | 19             |                | 21             |
| Type of entry:                                    |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Number of births . . . . .                        | 1             | 2             |               |               | 5             | 6             |               |               |               |                | 11 | 12             | 13             | 14             | 15             | 16 | 17 | 18             |                | 20             |                |
| Rates or other measures . . . . .                 | 1             |               | 3             | 4             | 5             |               | 7             | 8             | 9             | 10             | 11 |                |                | 14             | 15             | 16 | 17 | 18             | 19             | 20             | 21             |
| Characteristics:                                  |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Abnormal conditions of the<br>newborn . . . . .   |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Age of father . . . . .                           |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                | 21             |
| Age of mother . . . . .                           |               | 2             | 3             | 4             |               | 6             | 7             | 8             |               | 10             |    |                |                |                |                |    |    | 18             | 19             |                |                |
| Alcohol use . . . . .                             |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Attended at birth . . . . .                       |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Birthweight . . . . .                             |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Complications of labor<br>and delivery . . . . .  |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Congenital anomalies . . . . .                    |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Day of week . . . . .                             |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    | 17 |                |                |                |                |
| Gestational age . . . . .                         |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Hispanic origin of mother . . . . .               |               |               |               |               | <sup>35</sup> | <sup>36</sup> | <sup>37</sup> | <sup>38</sup> | <sup>49</sup> | <sup>410</sup> |    |                | <sup>313</sup> |                | <sup>315</sup> |    |    | <sup>518</sup> | <sup>619</sup> | <sup>420</sup> |                |
| Live-birth order . . . . .                        |               | 2             | 3             |               |               | 6             | 7             |               | 9             | 10             |    |                |                | 14             | 15             |    |    |                |                |                |                |
| Method of delivery . . . . .                      |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    | 17 |                |                |                |                |
| Month of birth . . . . .                          |               |               |               |               |               |               |               |               |               |                |    |                |                |                | 16             |    |    |                |                |                |                |
| Multiple births . . . . .                         |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Obstetric procedures . . . . .                    |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Place of delivery . . . . .                       |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Prenatal care . . . . .                           |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Race of father . . . . .                          |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                | <sup>721</sup> |
| Race of mother . . . . .                          | <sup>21</sup> | <sup>22</sup> | <sup>23</sup> | <sup>24</sup> | <sup>35</sup> | <sup>36</sup> | <sup>37</sup> | <sup>38</sup> | <sup>49</sup> | <sup>410</sup> |    | <sup>212</sup> | <sup>313</sup> | <sup>214</sup> | <sup>315</sup> |    |    | <sup>518</sup> | <sup>619</sup> | <sup>420</sup> |                |
| Risk factors in this pregnancy . . . . .          |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |
| Sex of child . . . . .                            |               |               |               |               |               |               |               |               |               |                |    |                |                | 14             | 15             |    |    |                |                |                |                |
| Teenage mothers . . . . .                         |               |               |               |               |               |               |               |               |               |                | 11 |                |                | 14             | 15             |    |    |                |                |                |                |
| Unmarried mothers . . . . .                       |               |               |               |               |               |               |               |               |               |                |    |                |                | 14             | 15             |    |    | 18             | 19             | 20             |                |
| Weight gain during pregnancy . . . . .            |               |               |               |               |               |               |               |               |               |                |    |                |                |                |                |    |    |                |                |                |                |

| TABLE:   | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32              | 33              | 34              | 35              | 36              | 37              | 38              | 39 | 40 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----|----|
| Geographic area:<br>States <sup>1</sup> . . . . .            |                 |                 |                 |                 | 26              |                 |                 |                 | 30              | 31              |                 |                 | 34              |                 | 36              |                 |                 | 39 | 40 |
| United States<br>or all reporting areas . . . . .            | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              |                 | 31              | 32              | 33              | 34              | 35              | 36              | 37              | 38              | 39 | 40 |
| Years:<br>Current year only . . . . .                        | 22              | 23              | 24              | 25              | 26              | 27              |                 | 29              | 30              | 31              | 32              |                 | 34              | 35              | 36              | 37              | 38              | 39 | 40 |
| Trend . . . . .  |                 |                 |                 |                 |                 |                 | 28              |                 |                 |                 |                 | 33              |                 |                 |                 |                 |                 |    |    |
| Type of entry:<br>Number of births . . . . .                 | 22              |                 |                 | 25              |                 | 27              | 28              | 29              |                 |                 | 32              |                 | 34              | 35              | 36              | 37              | 38              | 39 | 40 |
| Rates or other measures . . . . .                            | 22              | 23              | 24              | 25              | 26              |                 | 28              | 29              | 30              | 31              | 32              | 33              | 34              | 35              | 36              | 37              | 38              | 39 | 40 |
| Characteristics:<br>Abnormal conditions of newborn . . . . . |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Age of father . . . . .                                      |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Age of mother . . . . .                                      |                 |                 |                 | 25              |                 |                 |                 |                 |                 |                 |                 |                 |                 | 35              |                 | 37              | 38              |    |    |
| Alcohol use . . . . .  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Attendant at birth . . . . .                                 |                 | 23              | 24              |                 |                 | 27              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Birthweight . . . . .  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 32              | 33              |                 | 35              | 36              | 37              |                 |    |    |
| Complications of labor<br>and delivery . . . . .             |                 |                 |                 | 25              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Congenital anomalies . . . . .                               |                 |                 |                 | 25              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Day of week . . . . .  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Gestational age . . . . .                                    | 22              | 23              | 24              |                 |                 |                 |                 |                 |                 |                 | 32              | 33              | 34              |                 |                 |                 |                 |    |    |
| Hispanic origin of mother . . . . .                          | <sup>4</sup> 22 |                 | <sup>3</sup> 24 | <sup>4</sup> 25 | <sup>4</sup> 26 | <sup>4</sup> 27 | <sup>4</sup> 28 | <sup>4</sup> 29 | <sup>4</sup> 30 | <sup>4</sup> 31 | <sup>4</sup> 32 | <sup>4</sup> 33 | <sup>4</sup> 34 | <sup>4</sup> 35 | <sup>4</sup> 36 | <sup>4</sup> 37 | <sup>4</sup> 38 |    |    |
| Live-birth order . . . . .                                   |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Method of delivery . . . . .                                 |                 | 23              | 24              |                 |                 |                 | 28              | 29              | 30              | 31              |                 |                 |                 |                 |                 |                 |                 |    |    |
| Month of birth . . . . .                                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Multiple births . . . . .                                    |                 | 23              | 24              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 38              | 39 | 40 |
| Obstetric procedures . . . . .                               |                 |                 |                 | 25              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Place of delivery . . . . .                                  |                 |                 |                 |                 |                 | 27              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Prenatal care . . . . .                                      |                 |                 |                 |                 | 26              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Race of father . . . . .                                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Race of mother . . . . .                                     | <sup>4</sup> 22 | <sup>2</sup> 23 | <sup>3</sup> 24 | <sup>4</sup> 25 | <sup>4</sup> 26 | <sup>4</sup> 27 | <sup>4</sup> 28 | <sup>4</sup> 29 | <sup>4</sup> 30 | <sup>4</sup> 31 | <sup>4</sup> 32 | <sup>4</sup> 33 | <sup>4</sup> 34 | <sup>4</sup> 35 | <sup>4</sup> 36 | <sup>4</sup> 37 | <sup>4</sup> 38 |    |    |
| Risk factors in this pregnancy . . . . .                     |                 | 23              | 24              | 25              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Sex of child . . . . .                                       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Teenage mothers . . . . .                                    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Unmarried mothers . . . . .                                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |
| Weight gain during pregnancy . . . . .                       | 22              | 23              | 24              |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |    |    |

<sup>1</sup>Includes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.  
<sup>2</sup>Includes white, black, American Indian or Alaska Native, and Asian or Pacific Islander.  
<sup>3</sup>Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black.  
<sup>4</sup>Includes non-Hispanic white, non-Hispanic black, and Hispanic.  
<sup>5</sup>Includes white, non-Hispanic white, black, non-Hispanic black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.  
<sup>6</sup>Includes white, non-Hispanic white, black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.  
<sup>7</sup>Includes white and black.



**Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2005**

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

| Year                | Number                 |           |         |                                  |                           | Birth rate             |       |       |                                  |                           | Fertility rate         |       |       |                                  |                           |
|---------------------|------------------------|-----------|---------|----------------------------------|---------------------------|------------------------|-------|-------|----------------------------------|---------------------------|------------------------|-------|-------|----------------------------------|---------------------------|
|                     | All races <sup>1</sup> | White     | Black   | American Indian or Alaska Native | Asian or Pacific Islander | All races <sup>1</sup> | White | Black | American Indian or Alaska Native | Asian or Pacific Islander | All races <sup>1</sup> | White | Black | American Indian or Alaska Native | Asian or Pacific Islander |
| Registered births   |                        |           |         |                                  |                           |                        |       |       |                                  |                           |                        |       |       |                                  |                           |
| Race of mother:     |                        |           |         |                                  |                           |                        |       |       |                                  |                           |                        |       |       |                                  |                           |
| 2005                | 4,138,349              | 3,229,294 | 633,134 | 44,813                           | 231,108                   | 14.0                   | 13.4  | 16.2  | 14.2                             | 16.5                      | 66.7                   | 66.3  | 69.0  | 59.9                             | 66.6                      |
| 2004                | 4,112,052              | 3,222,928 | 616,074 | 43,927                           | 229,123                   | 14.0                   | 13.5  | 16.0  | 14.0                             | 16.8                      | 66.3                   | 66.1  | 67.6  | 58.9                             | 67.1                      |
| 2003                | 4,089,950              | 3,225,848 | 599,847 | 43,052                           | 221,203                   | 14.1                   | 13.6  | 15.7  | 13.8                             | 16.8                      | 66.1                   | 66.1  | 66.3  | 58.4                             | 66.3                      |
| 2002                | 4,021,726              | 3,174,760 | 593,691 | 42,368                           | 210,907                   | 13.9                   | 13.5  | 15.7  | 13.8                             | 16.5                      | 64.8                   | 64.8  | 65.8  | 58.0                             | 64.1                      |
| 2001                | 4,025,933              | 3,177,626 | 606,156 | 41,872                           | 200,279                   | 14.1                   | 13.7  | 16.3  | 13.7                             | 16.4                      | 65.3                   | 65.0  | 67.6  | 58.1                             | 64.2                      |
| 2000                | 4,058,814              | 3,194,005 | 622,598 | 41,668                           | 200,543                   | 14.4                   | 13.9  | 17.0  | 14.0                             | 17.1                      | 65.9                   | 65.3  | 70.0  | 58.7                             | 65.8                      |
| 1999                | 3,959,417              | 3,132,501 | 605,970 | 40,170                           | 180,776                   | 14.2                   | 13.7  | 16.8  | 14.2                             | 15.9                      | 64.4                   | 64.0  | 68.5  | 59.0                             | 60.9                      |
| 1998                | 3,941,553              | 3,118,727 | 609,902 | 40,272                           | 172,652                   | 14.3                   | 13.8  | 17.1  | 14.8                             | 15.9                      | 64.3                   | 63.6  | 69.4  | 61.3                             | 60.1                      |
| 1997                | 3,880,894              | 3,072,640 | 599,913 | 38,572                           | 169,769                   | 14.2                   | 13.7  | 17.1  | 14.7                             | 16.2                      | 63.6                   | 62.8  | 69.0  | 60.8                             | 61.3                      |
| 1996                | 3,891,494              | 3,093,057 | 594,781 | 37,880                           | 165,776                   | 14.4                   | 13.9  | 17.3  | 14.9                             | 16.5                      | 64.1                   | 63.3  | 69.2  | 61.8                             | 62.3                      |
| 1995                | 3,899,589              | 3,098,885 | 603,139 | 37,278                           | 160,287                   | 14.6                   | 14.1  | 17.8  | 15.3                             | 16.7                      | 64.6                   | 63.6  | 71.0  | 63.0                             | 62.6                      |
| 1994                | 3,952,767              | 3,121,004 | 636,391 | 37,740                           | 157,632                   | 15.0                   | 14.3  | 19.1  | 16.0                             | 17.1                      | 65.9                   | 64.2  | 75.9  | 65.8                             | 63.9                      |
| 1993                | 4,000,240              | 3,149,833 | 658,875 | 38,732                           | 152,800                   | 15.4                   | 14.6  | 20.2  | 17.0                             | 17.3                      | 67.0                   | 64.9  | 79.6  | 69.7                             | 64.3                      |
| 1992                | 4,065,014              | 3,201,678 | 673,633 | 39,453                           | 150,250                   | 15.8                   | 15.0  | 21.1  | 17.9                             | 17.9                      | 68.4                   | 66.1  | 82.4  | 73.1                             | 66.1                      |
| 1991                | 4,110,907              | 3,241,273 | 682,602 | 38,841                           | 145,372                   | 16.2                   | 15.3  | 21.8  | 18.3                             | 18.3                      | 69.3                   | 66.7  | 84.8  | 73.9                             | 67.1                      |
| 1990                | 4,158,212              | 3,290,273 | 684,336 | 39,051                           | 141,635                   | 16.7                   | 15.8  | 22.4  | 18.9                             | 19.0                      | 70.9                   | 68.3  | 86.8  | 76.2                             | 69.6                      |
| 1989                | 4,040,958              | 3,192,355 | 673,124 | 39,478                           | 133,075                   | 16.4                   | 15.4  | 22.3  | 19.7                             | 18.7                      | 69.2                   | 66.4  | 86.2  | 79.0                             | 68.2                      |
| 1988                | 3,909,510              | 3,102,083 | 638,562 | 37,088                           | 129,035                   | 16.0                   | 15.0  | 21.5  | 19.3                             | 19.2                      | 67.3                   | 64.5  | 82.6  | 76.8                             | 70.2                      |
| 1987                | 3,809,394              | 3,043,828 | 611,173 | 35,322                           | 116,560                   | 15.7                   | 14.9  | 20.8  | 19.1                             | 18.4                      | 65.8                   | 63.3  | 80.1  | 75.6                             | 67.1                      |
| 1986                | 3,756,547              | 3,019,175 | 592,910 | 34,169                           | 107,797                   | 15.6                   | 14.8  | 20.5  | 19.2                             | 18.0                      | 65.4                   | 63.1  | 78.9  | 75.9                             | 66.0                      |
| 1985                | 3,760,561              | 3,037,913 | 581,824 | 34,037                           | 104,606                   | 15.8                   | 15.0  | 20.4  | 19.8                             | 18.7                      | 66.3                   | 64.1  | 78.8  | 78.6                             | 68.4                      |
| 1984 <sup>2</sup>   | 3,669,141              | 2,967,100 | 568,138 | 33,256                           | 98,926                    | 15.6                   | 14.8  | 20.1  | 20.1                             | 18.8                      | 65.5                   | 63.2  | 78.2  | 79.8                             | 69.2                      |
| 1983 <sup>2</sup>   | 3,638,933              | 2,946,468 | 562,624 | 32,881                           | 95,713                    | 15.6                   | 14.8  | 20.2  | 20.6                             | 19.5                      | 65.7                   | 63.4  | 78.7  | 81.8                             | 71.7                      |
| 1982 <sup>2</sup>   | 3,680,537              | 2,984,817 | 568,506 | 32,436                           | 93,193                    | 15.9                   | 15.1  | 20.7  | 21.1                             | 20.3                      | 67.3                   | 64.8  | 80.9  | 83.6                             | 74.8                      |
| 1981 <sup>2</sup>   | 3,629,238              | 2,947,679 | 564,955 | 29,688                           | 84,553                    | 15.8                   | 15.0  | 20.8  | 20.0                             | 20.1                      | 67.3                   | 64.8  | 82.0  | 79.6                             | 73.7                      |
| 1980 <sup>2</sup>   | 3,612,258              | 2,936,351 | 568,080 | 29,389                           | 74,355                    | 15.9                   | 15.1  | 21.3  | 20.7                             | 19.9                      | 68.4                   | 65.6  | 84.7  | 82.7                             | 73.2                      |
| Race of child:      |                        |           |         |                                  |                           |                        |       |       |                                  |                           |                        |       |       |                                  |                           |
| 1980 <sup>2</sup>   | 3,612,258              | 2,898,732 | 589,616 | 36,797                           | ---                       | 15.9                   | 14.9  | 22.1  | ---                              | ---                       | 68.4                   | 64.7  | 88.1  | ---                              | ---                       |
| 1979 <sup>2</sup>   | 3,494,398              | 2,808,420 | 577,855 | 34,269                           | ---                       | 15.6                   | 14.5  | 22.0  | ---                              | ---                       | 67.2                   | 63.4  | 88.3  | ---                              | ---                       |
| 1978 <sup>2</sup>   | 3,333,279              | 2,681,116 | 551,540 | 33,160                           | ---                       | 15.0                   | 14.0  | 21.3  | ---                              | ---                       | 65.5                   | 61.7  | 86.7  | ---                              | ---                       |
| 1977 <sup>2</sup>   | 3,326,632              | 2,691,070 | 544,221 | 30,500                           | ---                       | 15.1                   | 14.1  | 21.4  | ---                              | ---                       | 66.8                   | 63.2  | 88.1  | ---                              | ---                       |
| 1976 <sup>2</sup>   | 3,167,788              | 2,567,614 | 514,479 | 29,009                           | ---                       | 14.6                   | 13.6  | 20.5  | ---                              | ---                       | 65.0                   | 61.5  | 85.8  | ---                              | ---                       |
| 1975 <sup>2</sup>   | 3,144,198              | 2,551,996 | 511,581 | 27,546                           | ---                       | 14.6                   | 13.6  | 20.7  | ---                              | ---                       | 66.0                   | 62.5  | 87.9  | ---                              | ---                       |
| 1974 <sup>2</sup>   | 3,159,958              | 2,575,792 | 507,162 | 26,631                           | ---                       | 14.8                   | 13.9  | 20.8  | ---                              | ---                       | 67.8                   | 64.2  | 89.7  | ---                              | ---                       |
| 1973 <sup>2</sup>   | 3,136,965              | 2,551,030 | 512,597 | 26,464                           | ---                       | 14.8                   | 13.8  | 21.4  | ---                              | ---                       | 68.8                   | 64.9  | 93.6  | ---                              | ---                       |
| 1972 <sup>2</sup>   | 3,258,411              | 2,655,558 | 531,329 | 27,368                           | ---                       | 15.6                   | 14.5  | 22.5  | ---                              | ---                       | 73.1                   | 68.9  | 99.9  | ---                              | ---                       |
| 1971 <sup>3</sup>   | 3,555,970              | 2,919,746 | 564,960 | 27,148                           | ---                       | 17.2                   | 16.1  | 24.4  | ---                              | ---                       | 81.6                   | 77.3  | 109.7 | ---                              | ---                       |
| 1970 <sup>3</sup>   | 3,731,386              | 3,091,264 | 572,362 | 25,864                           | ---                       | 18.4                   | 17.4  | 25.3  | ---                              | ---                       | 87.9                   | 84.1  | 115.4 | ---                              | ---                       |
| 1969 <sup>3</sup>   | 3,600,206              | 2,993,614 | 543,132 | 24,008                           | ---                       | 17.9                   | 16.9  | 24.4  | ---                              | ---                       | 86.1                   | 82.2  | 112.1 | ---                              | ---                       |
| 1968 <sup>3</sup>   | 3,501,564              | 2,912,224 | 531,152 | 24,156                           | ---                       | 17.6                   | 16.6  | 24.2  | ---                              | ---                       | 85.2                   | 81.3  | 112.7 | ---                              | ---                       |
| 1967 <sup>4</sup>   | 3,520,959              | 2,922,502 | 543,976 | 22,665                           | ---                       | 17.8                   | 16.8  | 25.1  | ---                              | ---                       | 87.2                   | 82.8  | 118.5 | ---                              | ---                       |
| 1966 <sup>3</sup>   | 3,606,274              | 2,993,230 | 558,244 | 23,014                           | ---                       | 18.4                   | 17.4  | 26.2  | ---                              | ---                       | 90.8                   | 86.2  | 124.7 | ---                              | ---                       |
| 1965 <sup>3</sup>   | 3,760,358              | 3,123,860 | 581,126 | 24,066                           | ---                       | 19.4                   | 18.3  | 27.7  | ---                              | ---                       | 96.3                   | 91.3  | 133.2 | ---                              | ---                       |
| 1964 <sup>3</sup>   | 4,027,490              | 3,369,160 | 607,556 | 24,382                           | ---                       | 21.1                   | 20.0  | 29.5  | ---                              | ---                       | 104.7                  | 99.8  | 142.6 | ---                              | ---                       |
| 1963 <sup>3,5</sup> | 4,098,020              | 3,326,344 | 580,658 | 22,358                           | ---                       | 21.7                   | 20.7  | ---   | ---                              | ---                       | 108.3                  | 103.6 | ---   | ---                              | ---                       |
| 1962 <sup>3,5</sup> | 4,167,362              | 3,394,068 | 584,610 | 21,968                           | ---                       | 22.4                   | 21.4  | ---   | ---                              | ---                       | 112.0                  | 107.5 | ---   | ---                              | ---                       |
| 1961 <sup>3</sup>   | 4,268,326              | 3,600,864 | 611,072 | 21,464                           | ---                       | 23.3                   | 22.2  | ---   | ---                              | ---                       | 117.1                  | 112.3 | ---   | ---                              | ---                       |
| 1960 <sup>3</sup>   | 4,257,850              | 3,600,744 | 602,264 | 21,114                           | ---                       | 23.7                   | 22.7  | 31.9  | ---                              | ---                       | 118.0                  | 113.2 | 153.5 | ---                              | ---                       |

See footnotes at end of table.

**Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2005—Con.**

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

| Year                                  | Number                 |           |       |                                  |                           | Birth rate             |       |       |                                  |                           | Fertility rate         |       |       |                                  |                           |
|---------------------------------------|------------------------|-----------|-------|----------------------------------|---------------------------|------------------------|-------|-------|----------------------------------|---------------------------|------------------------|-------|-------|----------------------------------|---------------------------|
|                                       | All races <sup>1</sup> | White     | Black | American Indian or Alaska Native | Asian or Pacific Islander | All races <sup>1</sup> | White | Black | American Indian or Alaska Native | Asian or Pacific Islander | All races <sup>1</sup> | 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.

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

<sup>2</sup>Based on 100 percent of births in selected states and on a 50-percent sample of births in all other States; see “Technical Notes.”

<sup>3</sup>Based on a 50-percent sample of births.

<sup>4</sup>Based on a 20- to 50-percent sample of births.

<sup>5</sup>Figures by race exclude New Jersey.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see “Technical Notes.” In this table all women (including Hispanic women) are classified only according to their race; see “Technical Notes.”

**Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 2005**

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

| Live-birth order<br>and race of mother        | All<br>ages | Under<br>15 years | Age of mother |             |             |             |             |             |                |                |                |                |                |                |                |
|---|-------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |             |                   | Total         | 15–19 years |             |             |             |             | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years | 45–49<br>years | 50–54<br>years |
|   |             |                   |               | 15<br>years | 16<br>years | 17<br>years | 18<br>years | 19<br>years |                |                |                |                |                |                |                |
| All races . . . . .                           | 4,138,349   | 6,722             | 414,593       | 18,249      | 41,064      | 73,878      | 116,476     | 164,926     | 1,040,388      | 1,131,596      | 950,691        | 483,156        | 104,667        | 6,119          | 417            |
| 1st child . . . . .                           | 1,637,953   | 6,592             | 331,486       | 17,499      | 37,947      | 64,202      | 92,998      | 118,840     | 492,754        | 402,493        | 269,639        | 110,628        | 22,787         | 1,453          | 121            |
| 2d child . . . . .                            | 1,326,598   | 101               | 69,170        | 642         | 2,760       | 8,577       | 19,997      | 37,194      | 350,216        | 379,935        | 336,746        | 159,318        | 29,433         | 1,575          | 104            |
| 3d child . . . . .                            | 699,661     | 5                 | 10,773        | 34          | 161         | 759         | 2,683       | 7,136       | 141,174        | 214,667        | 198,404        | 111,535        | 21,969         | 1,065          | 69             |
| 4th child . . . . .                           | 278,310     | 1                 | 1,272         | 4           | 11          | 61          | 264         | 932         | 39,728         | 85,315         | 84,807         | 53,492         | 12,974         | 668            | 53             |
| 5th child . . . . .                           | 101,738     | –                 | 161           | 1           | 3           | 10          | 30          | 117         | 9,627          | 29,570         | 32,405         | 22,715         | 6,798          | 437            | 25             |
| 6th child . . . . .                           | 40,585      | –                 | 22            | –           | 1           | –           | 7           | 14          | 2,137          | 9,955          | 13,491         | 10,819         | 3,901          | 247            | 13             |
| 7th child . . . . .                           | 17,840      | –                 | 8             | –           | –           | 1           | 1           | 6           | 429            | 3,387          | 6,227          | 5,467          | 2,148          | 165            | 9              |
| 8th child and over . . . . .                  | 18,171      | –                 | 4             | –           | –           | 1           | –           | 3           | 186            | 1,740          | 4,935          | 6,801          | 4,030          | 455            | 20             |
| Not stated . . . . .                          | 17,493      | 23                | 1,697         | 69          | 181         | 267         | 496         | 684         | 4,137          | 4,534          | 4,037          | 2,381          | 627            | 54             | 3              |
| White . . . . .                               | 3,229,294   | 3,645             | 295,265       | 11,575      | 27,865      | 52,063      | 83,490      | 120,272     | 790,445        | 899,406        | 763,387        | 389,289        | 82,638         | 4,876          | 343            |
| 1st child . . . . .                           | 1,274,542   | 3,590             | 238,736       | 11,123      | 25,947      | 45,707      | 67,621      | 88,338      | 383,238        | 325,639        | 214,805        | 89,034         | 18,253         | 1,153          | 94             |
| 2d child . . . . .                            | 1,052,133   | 44                | 48,050        | 399         | 1,733       | 5,743       | 13,750      | 26,425      | 269,614        | 308,616        | 273,114        | 128,002        | 23,331         | 1,275          | 87             |
| 3d child . . . . .                            | 552,735     | 2                 | 6,821         | 20          | 94          | 446         | 1,681       | 4,580       | 102,423        | 170,268        | 163,452        | 91,550         | 17,313         | 843            | 63             |
| 4th child . . . . .                           | 212,533     | 1                 | 701           | 2           | 7           | 37          | 140         | 515         | 25,787         | 63,461         | 68,027         | 43,748         | 10,225         | 537            | 46             |
| 5th child . . . . .                           | 73,420      | –                 | 90            | 1           | 2           | 8           | 18          | 61          | 5,482          | 19,762         | 24,390         | 18,058         | 5,281          | 336            | 21             |
| 6th child . . . . .                           | 28,029      | –                 | 8             | –           | –           | –           | 2           | 6           | 1,059          | 5,891          | 9,574          | 8,268          | 3,019          | 199            | 11             |
| 7th child . . . . .                           | 11,885      | –                 | 4             | –           | –           | 1           | –           | 3           | 192            | 1,771          | 4,155          | 4,003          | 1,628          | 124            | 8              |
| 8th child and over . . . . .                  | 12,227      | –                 | 2             | –           | –           | –           | –           | 2           | 122            | 845            | 2,906          | 4,836          | 3,137          | 368            | 11             |
| Not stated . . . . .                          | 11,790      | 8                 | 853           | 30          | 82          | 121         | 278         | 342         | 2,528          | 3,153          | 2,964          | 1,790          | 451            | 41             | 2              |
| Black . . . . .                               | 633,134     | 2,837             | 103,905       | 5,991       | 11,600      | 19,113      | 28,686      | 38,515      | 203,716        | 156,161        | 100,935        | 51,636         | 13,201         | 704            | 39             |
| 1st child . . . . .                           | 241,997     | 2,770             | 80,452        | 5,721       | 10,526      | 16,182      | 21,983      | 26,040      | 85,421         | 39,518         | 21,631         | 9,699          | 2,343          | 150            | 13             |
| 2d child . . . . .                            | 181,695     | 52                | 18,544        | 222         | 922         | 2,490       | 5,491       | 9,419       | 66,790         | 48,538         | 30,047         | 14,450         | 3,123          | 144            | 7              |
| 3d child . . . . .                            | 110,280     | 2                 | 3,555         | 14          | 58          | 286         | 881         | 2,316       | 33,189         | 35,121         | 23,290         | 12,158         | 2,825          | 137            | 3              |
| 4th child . . . . .                           | 52,095      | –                 | 516           | 1           | 4           | 21          | 112         | 378         | 12,057         | 18,072         | 12,563         | 6,839          | 1,953          | 90             | 5              |
| 5th child . . . . .                           | 22,950      | –                 | 66            | –           | 1           | 1           | 11          | 53          | 3,684          | 8,256          | 6,279          | 3,478          | 1,119          | 66             | 2              |
| 6th child . . . . .                           | 10,168      | –                 | 13            | –           | –           | –           | 5           | 8           | 975            | 3,465          | 3,093          | 1,944          | 655            | 21             | 2              |
| 7th child . . . . .                           | 4,795       | –                 | 4             | –           | –           | –           | 1           | 3           | 202            | 1,375          | 1,665          | 1,123          | 396            | 30             | –              |
| 8th child and over . . . . .                  | 4,753       | –                 | 2             | –           | –           | 1           | –           | 1           | 56             | 773            | 1,666          | 1,522          | 672            | 56             | 6              |
| Not stated . . . . .                          | 4,401       | 13                | 753           | 33          | 89          | 132         | 202         | 297         | 1,342          | 1,043          | 701            | 423            | 115            | 10             | 1              |
| American Indian or<br>Alaska Native . . . . . | 44,813      | 136               | 7,807         | 401         | 894         | 1,460       | 2,142       | 2,910       | 15,333         | 11,189         | 6,619          | 2,969          | 722            | 37             | 1              |
| 1st child . . . . .                           | 15,654      | 133               | 6,116         | 383         | 824         | 1,245       | 1,653       | 2,011       | 5,844          | 2,191          | 949            | 349            | 67             | 4              | 1              |
| 2d child . . . . .                            | 12,041      | 2                 | 1,417         | 13          | 64          | 188         | 408         | 744         | 5,267          | 3,084          | 1,574          | 592            | 102            | 3              | –              |
| 3d child . . . . .                            | 8,126       | 1                 | 211           | –           | 2           | 19          | 67          | 123         | 2,795          | 2,876          | 1,502          | 599            | 135            | 7              | –              |
| 4th child . . . . .                           | 4,444       | –                 | 22            | –           | –           | 2           | 5           | 15          | 1,011          | 1,641          | 1,129          | 536            | 101            | 4              | –              |
| 5th child . . . . .                           | 2,213       | –                 | 3             | –           | –           | 1           | 1           | 1           | 263            | 830            | 704            | 313            | 96             | 4              | –              |
| 6th child . . . . .                           | 1,073       | –                 | –             | –           | –           | –           | –           | –           | 51             | 308            | 377            | 232            | 99             | 6              | –              |
| 7th child . . . . .                           | 535         | –                 | –             | –           | –           | –           | –           | –           | 13             | 129            | 200            | 149            | 42             | 2              | –              |
| 8th child and over . . . . .                  | 487         | –                 | –             | –           | –           | –           | –           | –           | 5              | 59             | 155            | 186            | 76             | 6              | –              |
| Not stated . . . . .                          | 240         | –                 | 38            | 5           | 4           | 5           | 8           | 16          | 84             | 71             | 29             | 13             | 4              | 1              | –              |
| Asian or<br>Pacific Islander . . . . .        | 231,108     | 104               | 7,616         | 282         | 705         | 1,242       | 2,158       | 3,229       | 30,894         | 64,840         | 79,750         | 39,262         | 8,106          | 502            | 34             |
| 1st child . . . . .                           | 105,760     | 99                | 6,182         | 272         | 650         | 1,068       | 1,741       | 2,451       | 18,251         | 35,145         | 32,254         | 11,546         | 2,124          | 146            | 13             |
| 2d child . . . . .                            | 80,729      | 3                 | 1,159         | 8           | 41          | 156         | 348         | 606         | 8,545          | 19,697         | 32,011         | 16,274         | 2,877          | 153            | 10             |
| 3d child . . . . .                            | 28,520      | –                 | 186           | –           | 7           | 8           | 54          | 117         | 2,767          | 6,402          | 10,160         | 7,228          | 1,696          | 78             | 3              |
| 4th child . . . . .                           | 9,238       | –                 | 33            | 1           | –           | 1           | 7           | 24          | 873            | 2,141          | 3,088          | 2,369          | 695            | 37             | 2              |
| 5th child . . . . .                           | 3,155       | –                 | 2             | –           | –           | –           | –           | 2           | 198            | 722            | 1,032          | 866            | 302            | 31             | 2              |
| 6th child . . . . .                           | 1,315       | –                 | 1             | –           | 1           | –           | –           | –           | 52             | 291            | 447            | 375            | 128            | 21             | –              |
| 7th child . . . . .                           | 625         | –                 | –             | –           | –           | –           | –           | –           | 22             | 112            | 207            | 192            | 82             | 9              | 1              |
| 8th child and over . . . . .                  | 704         | –                 | –             | –           | –           | –           | –           | –           | 3              | 63             | 208            | 257            | 145            | 25             | 3              |
| Not stated . . . . .                          | 1,062       | 2                 | 53            | 1           | 6           | 9           | 8           | 29          | 183            | 267            | 343            | 155            | 57             | 2              | –              |

– Quantity zero.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 3. Fertility rates and birth rates, by age of mother, live-birth order, and race of mother: United States, 2005**

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

| Live-birth order and race of mother        | Age of mother |             |             |             |             |             |             |             |             |             |                          |
|--|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|  | 15–44 years   | 10–14 years | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>1</sup> |
|  |               |             | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| All races . . . . .                        | 66.7          | 0.7         | 40.5        | 21.4        | 69.9        | 102.2       | 115.5       | 95.8        | 46.3        | 9.1         | 0.6                      |
| 1st child . . . . .                        | 26.5          | 0.7         | 32.5        | 19.3        | 52.9        | 48.6        | 41.2        | 27.3        | 10.7        | 2.0         | 0.1                      |
| 2d child . . . . .                         | 21.5          | 0.0         | 6.8         | 1.9         | 14.3        | 34.5        | 38.9        | 34.1        | 15.3        | 2.6         | 0.1                      |
| 3d child . . . . .                         | 11.3          | *           | 1.1         | 0.2         | 2.5         | 13.9        | 22.0        | 20.1        | 10.7        | 1.9         | 0.1                      |
| 4th child . . . . .                        | 4.5           | *           | 0.1         | 0.0         | 0.3         | 3.9         | 8.7         | 8.6         | 5.1         | 1.1         | 0.1                      |
| 5th child . . . . .                        | 1.6           | *           | 0.0         | *           | 0.0         | 0.9         | 3.0         | 3.3         | 2.2         | 0.6         | 0.0                      |
| 6th and 7th child . . . . .                | 0.9           | *           | 0.0         | *           | 0.0         | 0.3         | 1.4         | 2.0         | 1.6         | 0.5         | 0.0                      |
| 8th child and over . . . . .               | 0.3           | *           | *           | *           | *           | 0.0         | 0.2         | 0.5         | 0.7         | 0.4         | 0.0                      |
| White . . . . .                            | 66.3          | 0.5         | 37.0        | 18.9        | 64.7        | 99.2        | 118.3       | 99.3        | 47.3        | 9.0         | 0.6                      |
| 1st child . . . . .                        | 26.3          | 0.5         | 30.0        | 17.2        | 49.7        | 48.3        | 43.0        | 28.1        | 10.9        | 2.0         | 0.1                      |
| 2d child . . . . .                         | 21.7          | 0.0         | 6.0         | 1.6         | 12.8        | 34.0        | 40.7        | 35.7        | 15.6        | 2.5         | 0.1                      |
| 3d child . . . . .                         | 11.4          | *           | 0.9         | 0.1         | 2.0         | 12.9        | 22.5        | 21.4        | 11.2        | 1.9         | 0.1                      |
| 4th child . . . . .                        | 4.4           | *           | 0.1         | 0.0         | 0.2         | 3.2         | 8.4         | 8.9         | 5.3         | 1.1         | 0.1                      |
| 5th child . . . . .                        | 1.5           | *           | 0.0         | *           | 0.0         | 0.7         | 2.6         | 3.2         | 2.2         | 0.6         | 0.0                      |
| 6th and 7th child . . . . .                | 0.8           | *           | *           | *           | *           | 0.2         | 1.0         | 1.8         | 1.5         | 0.5         | 0.0                      |
| 8th child and over . . . . .               | 0.3           | *           | *           | *           | *           | 0.0         | 0.1         | 0.4         | 0.6         | 0.3         | 0.0                      |
| Black . . . . .                            | 69.0          | 1.7         | 62.0        | 35.5        | 104.9       | 129.9       | 105.9       | 70.3        | 35.3        | 8.5         | 0.5                      |
| 1st child . . . . .                        | 26.6          | 1.6         | 48.4        | 31.6        | 75.6        | 54.8        | 27.0        | 15.2        | 6.7         | 1.5         | 0.1                      |
| 2d child . . . . .                         | 19.9          | 0.0         | 11.2        | 3.5         | 23.5        | 42.9        | 33.1        | 21.1        | 10.0        | 2.0         | 0.1                      |
| 3d child . . . . .                         | 12.1          | *           | 2.1         | 0.3         | 5.0         | 21.3        | 24.0        | 16.3        | 8.4         | 1.8         | 0.1                      |
| 4th child . . . . .                        | 5.7           | *           | 0.3         | 0.0         | 0.8         | 7.7         | 12.3        | 8.8         | 4.7         | 1.3         | 0.1                      |
| 5th child . . . . .                        | 2.5           | *           | 0.0         | *           | 0.1         | 2.4         | 5.6         | 4.4         | 2.4         | 0.7         | 0.0                      |
| 6th and 7th child . . . . .                | 1.6           | *           | *           | *           | *           | 0.8         | 3.3         | 3.3         | 2.1         | 0.7         | 0.0                      |
| 8th child and over . . . . .               | 0.5           | *           | *           | *           | *           | 0.0         | 0.5         | 1.2         | 1.0         | 0.4         | 0.0                      |
| American Indian or Alaska Native . . . . . | 59.9          | 0.9         | 52.7        | 30.5        | 87.6        | 109.2       | 93.8        | 60.1        | 27.0        | 6.0         | 0.3                      |
| 1st child . . . . .                        | 21.0          | 0.9         | 41.5        | 27.3        | 63.8        | 41.8        | 18.5        | 8.7         | 3.2         | 0.6         | *                        |
| 2d child . . . . .                         | 16.2          | *           | 9.6         | 2.9         | 20.1        | 37.7        | 26.0        | 14.4        | 5.4         | 0.9         | *                        |
| 3d child . . . . .                         | 10.9          | *           | 1.4         | 0.2         | 3.3         | 20.0        | 24.3        | 13.7        | 5.5         | 1.1         | *                        |
| 4th child . . . . .                        | 6.0           | *           | 0.1         | *           | 0.3         | 7.2         | 13.8        | 10.3        | 4.9         | 0.9         | *                        |
| 5th child . . . . .                        | 3.0           | *           | *           | *           | *           | 1.9         | 7.0         | 6.4         | 2.9         | 0.8         | *                        |
| 6th and 7th child . . . . .                | 2.2           | *           | *           | *           | *           | 0.5         | 3.7         | 5.3         | 3.5         | 1.2         | *                        |
| 8th child and over . . . . .               | 0.7           | *           | *           | *           | *           | *           | 0.5         | 1.4         | 1.7         | 0.6         | *                        |
| Asian or Pacific Islander . . . . .        | 66.6          | 0.2         | 17.0        | 8.2         | 30.1        | 61.1        | 107.9       | 115.0       | 61.8        | 13.8        | 1.0                      |
| 1st child . . . . .                        | 30.6          | 0.2         | 13.9        | 7.4         | 23.6        | 36.3        | 58.7        | 46.7        | 18.2        | 3.6         | 0.3                      |
| 2d child . . . . .                         | 23.4          | *           | 2.6         | 0.8         | 5.4         | 17.0        | 32.9        | 46.3        | 25.7        | 4.9         | 0.3                      |
| 3d child . . . . .                         | 8.3           | *           | 0.4         | *           | 1.0         | 5.5         | 10.7        | 14.7        | 11.4        | 2.9         | 0.1                      |
| 4th child . . . . .                        | 2.7           | *           | 0.1         | *           | 0.2         | 1.7         | 3.6         | 4.5         | 3.7         | 1.2         | 0.1                      |
| 5th child . . . . .                        | 0.9           | *           | *           | *           | *           | 0.4         | 1.2         | 1.5         | 1.4         | 0.5         | 0.1                      |
| 6th and 7th child . . . . .                | 0.6           | *           | *           | *           | *           | 0.1         | 0.7         | 0.9         | 0.9         | 0.4         | 0.1                      |
| 8th child and over . . . . .               | 0.2           | *           | *           | *           | *           | *           | 0.1         | 0.3         | 0.4         | 0.2         | 0.1                      |

0.0 Quantity more than zero but less than 0.05.

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

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 4. Total fertility rates and birth rates, by age of mother: United States, 1970–2005, and by age and race of mother: United States, 1980–2005**

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

| Year and race                | Total fertility rate | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------|----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                              |                      | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>1</sup> |
|                              |                      |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| <b>All races<sup>2</sup></b> |                      |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>            | 1,806.5              | 1.2           | 50.6        | 31.0        | 77.4        | 106.8       | 108.7       | 67.0        | 22.9        | 3.9         | 0.2                      |
| 1983 <sup>3</sup>            | 1,799.0              | 1.1           | 51.4        | 31.8        | 77.4        | 107.8       | 108.5       | 64.9        | 22.0        | 3.9         | 0.2                      |
| 1982 <sup>3</sup>            | 1,827.5              | 1.1           | 52.4        | 32.3        | 79.4        | 111.6       | 111.0       | 64.1        | 21.2        | 3.9         | 0.2                      |
| 1981 <sup>3</sup>            | 1,812.0              | 1.1           | 52.2        | 32.0        | 80.0        | 112.2       | 111.5       | 61.4        | 20.0        | 3.8         | 0.2                      |
| 1980 <sup>3</sup>            | 1,839.5              | 1.1           | 53.0        | 32.5        | 82.1        | 115.1       | 112.9       | 61.9        | 19.8        | 3.9         | 0.2                      |
| 1979 <sup>3</sup>            | 1,808.0              | 1.2           | 52.3        | 32.3        | 81.3        | 112.8       | 111.4       | 60.3        | 19.5        | 3.9         | 0.2                      |
| 1978 <sup>3</sup>            | 1,760.0              | 1.2           | 51.5        | 32.2        | 79.8        | 109.9       | 108.5       | 57.8        | 19.0        | 3.9         | 0.2                      |
| 1977 <sup>3</sup>            | 1,789.5              | 1.2           | 52.8        | 33.9        | 80.9        | 112.9       | 111.0       | 56.4        | 19.2        | 4.2         | 0.2                      |
| 1976 <sup>3</sup>            | 1,738.0              | 1.2           | 52.8        | 34.1        | 80.5        | 110.3       | 106.2       | 53.6        | 19.0        | 4.3         | 0.2                      |
| 1975 <sup>3</sup>            | 1,774.0              | 1.3           | 55.6        | 36.1        | 85.0        | 113.0       | 108.2       | 52.3        | 19.5        | 4.6         | 0.3                      |
| 1974 <sup>3</sup>            | 1,835.0              | 1.2           | 57.5        | 37.3        | 88.7        | 117.7       | 111.5       | 53.8        | 20.2        | 4.8         | 0.3                      |
| 1973 <sup>3</sup>            | 1,879.0              | 1.2           | 59.3        | 38.5        | 91.2        | 119.7       | 112.2       | 55.6        | 22.1        | 5.4         | 0.3                      |
| 1972 <sup>3</sup>            | 2,010.0              | 1.2           | 61.7        | 39.0        | 96.9        | 130.2       | 117.7       | 59.8        | 24.8        | 6.2         | 0.4                      |
| 1971 <sup>4</sup>            | 2,266.5              | 1.1           | 64.5        | 38.2        | 105.3       | 150.1       | 134.1       | 67.3        | 28.7        | 7.1         | 0.4                      |
| 1970 <sup>4</sup>            | 2,480.0              | 1.2           | 68.3        | 38.8        | 114.7       | 167.8       | 145.1       | 73.3        | 31.7        | 8.1         | 0.5                      |
| <b>White</b>                 |                      |               |             |             |             |             |             |             |             |             |                          |
| 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                      |
| 1991                         | 1,988.0              | 0.8           | 52.6        | 30.5        | 83.3        | 108.8       | 118.0       | 80.2        | 31.8        | 5.2         | 0.2                      |
| 1990                         | 2,003.0              | 0.7           | 50.8        | 29.5        | 78.0        | 109.8       | 120.7       | 81.7        | 31.5        | 5.2         | 0.2                      |
| 1989                         | 1,931.0              | 0.7           | 47.9        | 28.1        | 72.9        | 106.9       | 117.8       | 78.1        | 29.7        | 4.9         | 0.2                      |
| 1988                         | 1,856.5              | 0.6           | 44.4        | 26.0        | 69.6        | 103.7       | 114.8       | 75.4        | 27.7        | 4.5         | 0.2                      |
| 1987                         | 1,804.5              | 0.6           | 42.5        | 24.6        | 68.9        | 102.3       | 112.3       | 73.0        | 25.9        | 4.1         | 0.2                      |
| 1986                         | 1,776.0              | 0.6           | 42.3        | 23.8        | 70.1        | 102.7       | 110.8       | 70.9        | 23.9        | 3.8         | 0.2                      |
| 1985                         | 1,787.0              | 0.6           | 43.3        | 24.4        | 70.4        | 104.1       | 112.3       | 69.9        | 23.3        | 3.7         | 0.2                      |
| 1984 <sup>3</sup>            | 1,748.5              | 0.6           | 42.9        | 24.3        | 68.4        | 102.7       | 109.8       | 67.7        | 22.2        | 3.6         | 0.2                      |
| 1983 <sup>3</sup>            | 1,740.5              | 0.6           | 43.9        | 25.0        | 68.8        | 103.8       | 109.4       | 65.3        | 21.3        | 3.6         | 0.2                      |
| 1982 <sup>3</sup>            | 1,767.0              | 0.6           | 45.0        | 25.5        | 70.8        | 107.7       | 111.9       | 64.0        | 20.4        | 3.6         | 0.2                      |
| 1981 <sup>3</sup>            | 1,748.0              | 0.5           | 44.9        | 25.4        | 71.5        | 108.3       | 112.3       | 61.0        | 19.0        | 3.4         | 0.2                      |
| 1980 <sup>3</sup>            | 1,773.0              | 0.6           | 45.4        | 25.5        | 73.2        | 111.1       | 113.8       | 61.2        | 18.8        | 3.5         | 0.2                      |

See footnotes at end of table.

**Table 4. Total fertility rates and birth rates, by age of mother: United States, 1970–2005, and by age and race of mother: United States, 1980–2005—Con.**

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

| Year and race                           | Total fertility rate | Age of mother |             |             |             |             |             |             |             |             |                          |
|---|----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|   |                      | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>1</sup> |
|   |                      |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| <b>Black</b>                            |                      |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                       | 2,070.5              | 4.4           | 94.1        | 69.2        | 128.1       | 132.2       | 98.4        | 56.7        | 23.3        | 4.8         | 0.2                      |
| 1983 <sup>3</sup>                       | 2,066.0              | 4.1           | 93.9        | 69.6        | 127.1       | 131.9       | 98.4        | 56.2        | 23.3        | 5.1         | 0.3                      |
| 1982 <sup>3</sup>                       | 2,106.5              | 4.0           | 94.3        | 69.7        | 128.9       | 135.4       | 101.3       | 57.5        | 23.3        | 5.1         | 0.4                      |
| 1981 <sup>3</sup>                       | 2,117.5              | 4.0           | 94.5        | 69.3        | 131.0       | 136.5       | 102.3       | 57.4        | 23.1        | 5.4         | 0.3                      |
| 1980 <sup>3</sup>                       | 2,176.5              | 4.3           | 97.8        | 72.5        | 135.1       | 140.0       | 103.9       | 59.9        | 23.5        | 5.6         | 0.3                      |
| <b>American Indian or Alaska Native</b> |                      |               |             |             |             |             |             |             |             |             |                          |
| 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         | *                        |
| 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 <sup>3</sup>                       | 2,137.5              | 1.7           | 81.5        | 50.7        | 124.7       | 142.4       | 109.2       | 60.5        | 26.3        | 5.6         | *                        |
| 1983 <sup>3</sup>                       | 2,182.0              | 1.9           | 84.2        | 55.2        | 121.4       | 145.5       | 113.7       | 58.9        | 25.5        | 6.4         | *                        |
| 1982 <sup>3</sup>                       | 2,215.0              | 1.4           | 83.5        | 52.6        | 127.6       | 148.1       | 115.8       | 60.9        | 26.9        | 6.0         | *                        |
| 1981 <sup>3</sup>                       | 2,092.5              | 2.1           | 78.4        | 49.7        | 121.5       | 141.2       | 105.6       | 58.9        | 25.2        | 6.6         | *                        |
| 1980 <sup>3</sup>                       | 2,165.0              | 1.9           | 82.2        | 51.5        | 129.5       | 143.7       | 106.6       | 61.8        | 28.1        | 8.2         | *                        |

See footnotes at end of table.

**Table 4. Total fertility rates and birth rates, by age of mother: United States, 1970–2005, and by age and race of mother: United States, 1980–2005—Con.**

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

| Year and race             | Total fertility rate | Age of mother |             |             |             |             |             |             |             |             |                          |
|---------------------------|----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                           |                      | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>1</sup> |
|                           |                      |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| Asian or Pacific Islander |                      |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>         | 1,892.0              | 0.5           | 24.2        | 12.6        | 40.7        | 86.7        | 124.3       | 92.4        | 40.6        | 8.7         | 1.0                      |
| 1983 <sup>3</sup>         | 1,943.5              | 0.5           | 26.1        | 12.9        | 44.5        | 94.0        | 126.2       | 93.3        | 39.4        | 8.2         | 1.0                      |
| 1982 <sup>3</sup>         | 2,015.5              | 0.4           | 29.4        | 14.0        | 50.8        | 98.9        | 130.9       | 94.4        | 39.2        | 8.8         | 1.1                      |
| 1981 <sup>3</sup>         | 1,976.0              | 0.3           | 28.5        | 13.4        | 49.5        | 96.4        | 129.1       | 93.4        | 38.0        | 8.6         | 0.9                      |
| 1980 <sup>3</sup>         | 1,953.5              | 0.3           | 26.2        | 12.0        | 46.2        | 93.3        | 127.4       | 96.0        | 38.3        | 8.5         | 0.7                      |

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

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

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

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

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 5. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2005**

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

| Measure and year      | Hispanic                |         |         |              |        |                            |                            | Non-Hispanic       |           |         |
|-----------------------|-------------------------|---------|---------|--------------|--------|----------------------------|----------------------------|--------------------|-----------|---------|
|                       | All origin <sup>1</sup> | Total   | Mexican | Puerto Rican | Cuban  | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White     | Black   |
| <b>Number</b>         |                         |         |         |              |        |                            |                            |                    |           |         |
| 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 <sup>3</sup>     | 4,049,024               | 643,271 | 432,047 | 59,569       | 11,472 | 89,031                     | 51,152                     | 3,365,862          | 2,527,207 | 657,450 |
| 1991 <sup>3</sup>     | 4,094,566               | 623,085 | 411,233 | 59,833       | 11,058 | 86,908                     | 54,053                     | 3,434,464          | 2,589,878 | 666,758 |
| 1990 <sup>4</sup>     | 4,092,994               | 595,073 | 385,640 | 58,807       | 11,311 | 83,008                     | 56,307                     | 3,457,417          | 2,626,500 | 661,701 |
| 1989 <sup>5</sup>     | 3,903,012               | 532,249 | 327,233 | 56,229       | 10,842 | 72,443                     | 65,502                     | 3,297,493          | 2,526,367 | 611,269 |
| <b>Birth rate</b>     |                         |         |         |              |        |                            |                            |                    |           |         |
| 2005 <sup>6</sup>     | 14.0                    | 23.1    | 24.7    | 17.2         | 10.2   | 22.8                       | ( <sup>6</sup> )           | 12.4               | 11.5      | 15.7    |
| 2004 <sup>6</sup>     | 14.0                    | 22.9    | 24.9    | 16.1         | 9.3    | 22.2                       | ( <sup>6</sup> )           | 12.5               | 11.6      | 15.8    |
| 2003 <sup>6</sup>     | 14.1                    | 22.9    | 24.7    | 15.1         | 9.9    | 23.0                       | ( <sup>6</sup> )           | 12.7               | 11.8      | 15.9    |
| 2002 <sup>6</sup>     | 13.9                    | 22.6    | 24.2    | 16.5         | 10.0   | 22.4                       | ( <sup>6</sup> )           | 12.6               | 11.7      | 16.1    |
| 2001 <sup>6</sup>     | 14.1                    | 23.0    | 24.8    | 17.8         | 10.3   | 21.8                       | ( <sup>6</sup> )           | 12.8               | 11.8      | 16.6    |
| 2000 <sup>6</sup>     | 14.4                    | 23.1    | 25.0    | 18.1         | 9.7    | 21.8                       | ( <sup>6</sup> )           | 13.2               | 12.2      | 17.3    |
| 1999 <sup>6</sup>     | 14.2                    | 22.5    | 24.2    | 18.0         | 9.4    | 21.7                       | ( <sup>6</sup> )           | 13.0               | 12.1      | 17.1    |
| 1998 <sup>6</sup>     | 14.3                    | 22.7    | 24.6    | 17.9         | 9.7    | 21.7                       | ( <sup>6</sup> )           | 13.2               | 12.2      | 17.5    |
| 1997 <sup>6</sup>     | 14.2                    | 23.0    | 25.3    | 17.2         | 10.0   | 21.3                       | ( <sup>6</sup> )           | 13.1               | 12.2      | 17.4    |
| 1996 <sup>6</sup>     | 14.4                    | 23.8    | 26.2    | 17.2         | 10.6   | 22.5                       | ( <sup>6</sup> )           | 13.3               | 12.3      | 17.6    |
| 1995 <sup>6</sup>     | 14.6                    | 24.1    | 25.8    | 19.0         | 10.8   | 24.2                       | ( <sup>6</sup> )           | 13.5               | 12.5      | 18.2    |
| 1994 <sup>6</sup>     | 15.0                    | 24.7    | 26.1    | 20.8         | 10.7   | 24.9                       | ( <sup>6</sup> )           | 13.9               | 12.8      | 19.5    |
| 1993 <sup>6</sup>     | 15.4                    | 25.4    | 26.8    | 21.5         | 10.5   | 26.3                       | ( <sup>6</sup> )           | 14.3               | 13.1      | 20.7    |
| 1992 <sup>6,7</sup>   | 15.8                    | 26.1    | 27.4    | 22.9         | 10.1   | 27.5                       | ( <sup>6</sup> )           | 14.8               | 13.4      | 21.6    |
| 1991 <sup>6,7</sup>   | 16.2                    | 26.5    | 27.6    | 23.3         | 9.8    | 28.3                       | ( <sup>6</sup> )           | 15.2               | 13.9      | 22.4    |
| 1990 <sup>4,6</sup>   | 16.7                    | 26.7    | 28.7    | 21.6         | 10.9   | 27.5                       | ( <sup>6</sup> )           | 15.7               | 14.4      | 23.0    |
| 1989 <sup>5,6</sup>   | 16.3                    | 26.2    | 25.7    | 23.7         | 10.0   | 28.3                       | ( <sup>6</sup> )           | 15.4               | 14.2      | 22.8    |
| <b>Fertility rate</b> |                         |         |         |              |        |                            |                            |                    |           |         |
| 2005 <sup>6</sup>     | 66.7                    | 99.4    | 107.7   | 72.1         | 50.4   | 93.2                       | ( <sup>6</sup> )           | 60.4               | 58.3      | 67.2    |
| 2004 <sup>6</sup>     | 66.3                    | 97.8    | 106.8   | 68.4         | 53.2   | 89.3                       | ( <sup>6</sup> )           | 60.5               | 58.4      | 67.0    |
| 2003 <sup>6</sup>     | 66.1                    | 96.9    | 105.5   | 61.6         | 61.7   | 91.2                       | ( <sup>6</sup> )           | 60.5               | 58.5      | 67.1    |
| 2002 <sup>6</sup>     | 64.8                    | 94.4    | 102.8   | 65.4         | 59.0   | 86.1                       | ( <sup>6</sup> )           | 59.6               | 57.4      | 67.4    |
| 2001 <sup>6</sup>     | 65.3                    | 96.0    | 105.7   | 72.2         | 56.7   | 82.7                       | ( <sup>6</sup> )           | 60.1               | 57.7      | 69.1    |
| 2000 <sup>6</sup>     | 65.9                    | 95.9    | 105.1   | 73.5         | 49.3   | 85.1                       | ( <sup>6</sup> )           | 61.1               | 58.5      | 71.4    |
| 1999 <sup>6</sup>     | 64.4                    | 93.0    | 101.5   | 71.1         | 47.0   | 84.8                       | ( <sup>6</sup> )           | 60.0               | 57.7      | 69.9    |
| 1998 <sup>6</sup>     | 64.3                    | 93.2    | 103.2   | 69.7         | 46.5   | 83.5                       | ( <sup>6</sup> )           | 60.0               | 57.6      | 70.9    |
| 1997 <sup>6</sup>     | 63.6                    | 94.2    | 106.6   | 65.8         | 53.1   | 80.6                       | ( <sup>6</sup> )           | 59.3               | 56.8      | 70.3    |
| 1996 <sup>6</sup>     | 64.1                    | 97.5    | 110.7   | 66.5         | 55.1   | 84.2                       | ( <sup>6</sup> )           | 59.6               | 57.1      | 70.7    |
| 1995 <sup>6</sup>     | 64.6                    | 98.8    | 109.9   | 71.3         | 52.2   | 89.1                       | ( <sup>6</sup> )           | 60.2               | 57.5      | 72.8    |
| 1994 <sup>6</sup>     | 65.9                    | 100.7   | 109.9   | 78.2         | 53.6   | 93.2                       | ( <sup>6</sup> )           | 61.6               | 58.2      | 77.5    |
| 1993 <sup>6</sup>     | 67.0                    | 103.3   | 110.9   | 79.8         | 53.9   | 101.5                      | ( <sup>6</sup> )           | 62.7               | 58.9      | 81.5    |
| 1992 <sup>6,7</sup>   | 68.4                    | 106.1   | 113.3   | 87.9         | 49.4   | 104.7                      | ( <sup>6</sup> )           | 64.2               | 60.0      | 84.5    |
| 1991 <sup>6,7</sup>   | 69.3                    | 106.9   | 114.9   | 87.9         | 47.6   | 105.5                      | ( <sup>6</sup> )           | 65.2               | 60.9      | 87.0    |
| 1990 <sup>4,6</sup>   | 71.0                    | 107.7   | 118.9   | 82.9         | 52.6   | 102.7                      | ( <sup>6</sup> )           | 67.1               | 62.8      | 89.0    |
| 1989 <sup>5,6</sup>   | 69.2                    | 104.9   | 106.6   | 86.6         | 49.8   | 95.8                       | ( <sup>6</sup> )           | 65.7               | 60.5      | 84.8    |

<sup>1</sup>Includes origin not stated. <sup>2</sup>Includes races other than white and black. <sup>3</sup>Excludes data for New Hampshire, which did not report Hispanic origin. <sup>4</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin. <sup>5</sup>Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin. <sup>6</sup>Rates for the Central and South American population includes other and unknown Hispanic. <sup>7</sup>Rates are estimated for the United States based on birth data for 49 states and the District of Columbia. Births for New Hampshire that did not report Hispanic origin, are included in the rates for non-Hispanic women; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."



**Table 6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2005**

[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 |          |          |          |          |          |             |             |             |             |             |     | 45–49 years | 50–54 years |
|                                       |               |                | Total       | 15 years | 16 years | 17 years | 18 years | 19 years | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years |     |             |             |
| Hispanic                              |               |                |             |          |          |          |          |          |             |             |             |             |             |     |             |             |
| Total . . . . .                       | 985,505       | 2,466          | 136,906     | 7,241    | 15,928   | 26,877   | 38,090   | 48,770   | 287,896     | 266,590     | 186,398     | 85,739      | 18,597      | 891 | 22          |             |
| 1st child . . . . .                   | 350,705       | 2,423          | 106,395     | 6,888    | 14,589   | 22,752   | 29,085   | 33,081   | 123,415     | 67,910      | 34,861      | 12,975      | 2,586       | 135 | 5           |             |
| 2d child . . . . .                    | 301,667       | 37             | 25,699      | 310      | 1,220    | 3,717    | 7,755    | 12,697   | 103,767     | 91,963      | 54,910      | 21,283      | 3,844       | 161 | 3           |             |
| 3d child . . . . .                    | 193,217       | 2              | 3,971       | 18       | 69       | 326      | 1,041    | 2,517    | 43,902      | 66,002      | 51,835      | 23,130      | 4,206       | 164 | 5           |             |
| 4th child . . . . .                   | 85,290        | 1              | 436         | 2        | 5        | 24       | 90       | 315      | 12,423      | 27,148      | 27,118      | 14,705      | 3,330       | 127 | 2           |             |
| 5th child . . . . .                   | 31,655        | –              | 53          | 1        | 2        | 5        | 14       | 31       | 2,899       | 8,965       | 10,512      | 7,152       | 1,958       | 113 | 3           |             |
| 6th child . . . . .                   | 12,118        | –              | 6           | –        | –        | –        | 2        | 4        | 574         | 2,739       | 4,093       | 3,395       | 1,242       | 67  | 2           |             |
| 7th child . . . . .                   | 4,650         | –              | 2           | –        | –        | –        | –        | 2        | 110         | 814         | 1,566       | 1,492       | 618         | 47  | 1           |             |
| 8th child and over . . . . .          | 3,624         | –              | –           | –        | –        | –        | –        | –        | 52          | 376         | 997         | 1,371       | 754         | 73  | 1           |             |
| Not stated . . . . .                  | 2,579         | 3              | 344         | 22       | 43       | 53       | 103      | 123      | 754         | 673         | 506         | 236         | 59          | 4   | –           |             |
| Mexican . . . . .                     |               |                |             |          |          |          |          |          |             |             |             |             |             |     |             |             |
| Total . . . . .                       | 693,197       | 1,855          | 101,705     | 5,443    | 11,989   | 20,184   | 28,343   | 35,746   | 209,156     | 187,469     | 126,175     | 54,955      | 11,346      | 525 | 11          |             |
| 1st child . . . . .                   | 236,057       | 1,822          | 78,492      | 5,176    | 10,948   | 17,015   | 21,455   | 23,898   | 86,144      | 42,530      | 19,255      | 6,546       | 1,216       | 51  | 1           |             |
| 2d child . . . . .                    | 208,777       | 29             | 19,560      | 240      | 960      | 2,868    | 5,933    | 9,559    | 77,201      | 64,350      | 34,336      | 11,419      | 1,813       | 69  | –           |             |
| 3d child . . . . .                    | 141,879       | 1              | 3,073       | 11       | 51       | 251      | 821      | 1,939    | 33,249      | 49,688      | 38,036      | 15,299      | 2,438       | 91  | 4           |             |
| 4th child . . . . .                   | 65,158        | 1              | 342         | 2        | 3        | 15       | 75       | 247      | 9,388       | 20,738      | 21,093      | 11,130      | 2,384       | 81  | 1           |             |
| 5th child . . . . .                   | 24,287        | –              | 37          | 1        | 1        | 3        | 8        | 24       | 2,199       | 6,838       | 8,099       | 5,578       | 1,458       | 76  | 2           |             |
| 6th child . . . . .                   | 9,309         | –              | 4           | –        | –        | –        | –        | 4        | 413         | 2,047       | 3,157       | 2,666       | 967         | 54  | 1           |             |
| 7th child . . . . .                   | 3,578         | –              | 1           | –        | –        | –        | –        | 1        | 85          | 630         | 1,189       | 1,146       | 484         | 42  | 1           |             |
| 8th child and over . . . . .          | 2,731         | –              | –           | –        | –        | –        | –        | –        | 39          | 280         | 729         | 1,062       | 561         | 59  | 1           |             |
| Not stated . . . . .                  | 1,421         | 2              | 196         | 13       | 26       | 32       | 51       | 74       | 438         | 368         | 281         | 109         | 25          | 2   | –           |             |
| Puerto Rican . . . . .                |               |                |             |          |          |          |          |          |             |             |             |             |             |     |             |             |
| Total . . . . .                       | 63,340        | 175            | 10,839      | 567      | 1,266    | 2,132    | 3,014    | 3,860    | 19,747      | 16,220      | 10,241      | 4,956       | 1,110       | 50  | 2           |             |
| 1st child . . . . .                   | 24,776        | 172            | 8,513       | 541      | 1,182    | 1,820    | 2,322    | 2,648    | 8,289       | 4,279       | 2,321       | 992         | 194         | 16  | –           |             |
| 2d child . . . . .                    | 19,442        | 3              | 1,947       | 21       | 73       | 281      | 603      | 969      | 6,884       | 5,444       | 3,294       | 1,532       | 323         | 15  | –           |             |
| 3d child . . . . .                    | 11,118        | –              | 295         | 1        | 4        | 18       | 64       | 208      | 3,112       | 3,768       | 2,432       | 1,250       | 254         | 7   | –           |             |
| 4th child . . . . .                   | 4,666         | –              | 32          | –        | 1        | 5        | 4        | 22       | 1,045       | 1,693       | 1,168       | 576         | 148         | 4   | –           |             |
| 5th child . . . . .                   | 1,806         | –              | 2           | –        | –        | –        | 2        | –        | 243         | 645         | 543         | 287         | 83          | 2   | 1           |             |
| 6th child . . . . .                   | 740           | –              | –           | –        | –        | –        | –        | –        | 78          | 226         | 237         | 150         | 45          | 3   | 1           |             |
| 7th child . . . . .                   | 301           | –              | –           | –        | –        | –        | –        | –        | 11          | 74          | 118         | 71          | 26          | 1   | –           |             |
| 8th child and over . . . . .          | 244           | –              | –           | –        | –        | –        | –        | –        | 2           | 34          | 94          | 79          | 33          | 2   | –           |             |
| Not stated . . . . .                  | 247           | –              | 50          | 4        | 6        | 8        | 19       | 13       | 83          | 57          | 34          | 19          | 4           | –   | –           |             |
| Cuban . . . . .                       |               |                |             |          |          |          |          |          |             |             |             |             |             |     |             |             |
| Total . . . . .                       | 16,064        | 17             | 1,222       | 44       | 121      | 210      | 342      | 505      | 3,217       | 4,052       | 4,630       | 2,320       | 566         | 38  | 2           |             |
| 1st child . . . . .                   | 7,169         | 16             | 1,040       | 42       | 112      | 192      | 282      | 412      | 1,904       | 1,843       | 1,607       | 609         | 136         | 14  | –           |             |
| 2d child . . . . .                    | 5,881         | 1              | 157         | 1        | 6        | 16       | 51       | 83       | 970         | 1,489       | 2,054       | 991         | 208         | 10  | 1           |             |
| 3d child . . . . .                    | 2,114         | –              | 17          | –        | 1        | 2        | 7        | 7        | 248         | 511         | 686         | 512         | 133         | 6   | 1           |             |
| 4th child . . . . .                   | 554           | –              | –           | –        | –        | –        | –        | –        | 64          | 142         | 169         | 127         | 46          | 6   | –           |             |
| 5th child . . . . .                   | 144           | –              | –           | –        | –        | –        | –        | –        | 12          | 30          | 44          | 38          | 20          | –   | –           |             |
| 6th child . . . . .                   | 53            | –              | –           | –        | –        | –        | –        | –        | 3           | 15          | 16          | 12          | 7           | –   | –           |             |
| 7th child . . . . .                   | 18            | –              | –           | –        | –        | –        | –        | –        | –           | 1           | 7           | 6           | 3           | 1   | –           |             |
| 8th child and over . . . . .          | 19            | –              | –           | –        | –        | –        | –        | –        | –           | 1           | 4           | 6           | 7           | 1   | –           |             |
| Not stated . . . . .                  | 112           | –              | 8           | 1        | 2        | –        | 2        | 3        | 16          | 20          | 43          | 19          | 6           | –   | –           |             |
| Central and South American . . . . .  |               |                |             |          |          |          |          |          |             |             |             |             |             |     |             |             |
| Total . . . . .                       | 151,201       | 215            | 12,790      | 563      | 1,270    | 2,360    | 3,610    | 4,987    | 36,805      | 43,417      | 34,869      | 18,447      | 4,446       | 208 | 4           |             |
| 1st child . . . . .                   | 58,902        | 211            | 10,502      | 534      | 1,180    | 2,073    | 2,959    | 3,756    | 19,372      | 14,949      | 9,211       | 3,796       | 823         | 36  | 2           |             |
| 2d child . . . . .                    | 48,843        | 3              | 1,968       | 25       | 76       | 258      | 562      | 1,047    | 12,088      | 15,678      | 12,001      | 5,846       | 1,211       | 47  | 1           |             |
| 3d child . . . . .                    | 26,813        | –              | 242         | 2        | 6        | 21       | 64       | 149      | 4,056       | 8,467       | 8,107       | 4,766       | 1,128       | 47  | –           |             |
| 4th child . . . . .                   | 10,122        | –              | 20          | –        | –        | –        | 2        | 18       | 931         | 2,953       | 3,400       | 2,197       | 590         | 30  | 1           |             |
| 5th child . . . . .                   | 3,708         | –              | 7           | –        | 1        | 1        | 3        | 2        | 179         | 902         | 1,304       | 974         | 314         | 28  | –           |             |
| 6th child . . . . .                   | 1,377         | –              | –           | –        | –        | –        | –        | –        | 26          | 243         | 484         | 454         | 163         | 7   | –           |             |
| 7th child . . . . .                   | 510           | –              | –           | –        | –        | –        | –        | –        | 7           | 50          | 168         | 201         | 82          | 2   | –           |             |
| 8th child and over . . . . .          | 407           | –              | –           | –        | –        | –        | –        | –        | 7           | 33          | 93          | 148         | 117         | 9   | –           |             |
| Not stated . . . . .                  | 519           | 1              | 51          | 2        | 7        | 7        | 20       | 15       | 139         | 142         | 101         | 65          | 18          | 2   | –           |             |

See footnotes at end of table.

**Table 6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2005—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 |          |          |          |          |          |             |             |             |             | 45–49 years | 50–54 years |             |
|                                       |               |                | Total       | 15 years | 16 years | 17 years | 18 years | 19 years | 20–24 years | 25–29 years | 30–34 years | 35–39 years |             |             | 40–44 years |
| <b>Other and unknown</b>              |               |                |             |          |          |          |          |          |             |             |             |             |             |             |             |
| Hispanic . . . . .                    | 61,703        | 204            | 10,350      | 624      | 1,282    | 1,991    | 2,781    | 3,672    | 18,971      | 15,432      | 10,483      | 5,061       | 1,129       | 70          | 3           |
| 1st child . . . . .                   | 23,801        | 202            | 7,848       | 595      | 1,167    | 1,652    | 2,067    | 2,367    | 7,706       | 4,309       | 2,467       | 1,032       | 217         | 18          | 2           |
| 2d child . . . . .                    | 18,724        | 1              | 2,067       | 23       | 105      | 294      | 606      | 1,039    | 6,624       | 5,002       | 3,225       | 1,495       | 289         | 20          | 1           |
| 3d child . . . . .                    | 11,293        | 1              | 344         | 4        | 7        | 34       | 85       | 214      | 3,237       | 3,568       | 2,574       | 1,303       | 253         | 13          | –           |
| 4th child . . . . .                   | 4,790         | –              | 42          | –        | 1        | 4        | 9        | 28       | 995         | 1,622       | 1,288       | 675         | 162         | 6           | –           |
| 5th child . . . . .                   | 1,710         | –              | 7           | –        | –        | 1        | 1        | 5        | 266         | 550         | 522         | 275         | 83          | 7           | –           |
| 6th child . . . . .                   | 639           | –              | 2           | –        | –        | –        | 2        | –        | 54          | 208         | 199         | 113         | 60          | 3           | –           |
| 7th child . . . . .                   | 243           | –              | 1           | –        | –        | –        | –        | 1        | 7           | 59          | 84          | 68          | 23          | 1           | –           |
| 8th child and over . . . . .          | 223           | –              | –           | –        | –        | –        | –        | –        | 4           | 28          | 77          | 76          | 36          | 2           | –           |
| Not stated . . . . .                  | 280           | –              | 39          | 2        | 2        | 6        | 11       | 18       | 78          | 86          | 47          | 24          | 6           | –           | –           |
| <b>Non-Hispanic</b>                   |               |                |             |          |          |          |          |          |             |             |             |             |             |             |             |
| Total <sup>1</sup> . . . . .          | 3,123,005     | 4,220          | 275,042     | 10,879   | 24,864   | 46,527   | 77,655   | 115,117  | 745,697     | 857,101     | 757,138     | 393,277     | 85,079      | 5,088       | 363         |
| 1st child . . . . .                   | 1,275,532     | 4,134          | 223,069     | 10,496   | 23,119   | 41,066   | 63,350   | 85,038   | 366,179     | 331,746     | 232,448     | 96,584      | 19,962      | 1,296       | 114         |
| 2d child . . . . .                    | 1,016,338     | 64             | 43,045      | 325      | 1,520    | 4,810    | 12,125   | 24,265   | 244,417     | 285,712     | 279,564     | 136,726     | 25,324      | 1,388       | 98          |
| 3d child . . . . .                    | 502,067       | 3              | 6,739       | 15       | 90       | 424      | 1,627    | 4,583    | 96,392      | 147,374     | 145,374     | 87,658      | 17,592      | 878         | 57          |
| 4th child . . . . .                   | 191,105       | –              | 830         | 2        | 6        | 36       | 174      | 612      | 27,034      | 57,572      | 57,121      | 38,435      | 9,556       | 519         | 38          |
| 5th child . . . . .                   | 69,266        | –              | 108         | –        | 1        | 5        | 16       | 86       | 6,646       | 20,347      | 21,678      | 15,378      | 4,774       | 316         | 19          |
| 6th child . . . . .                   | 28,107        | –              | 16          | –        | 1        | –        | 5        | 10       | 1,549       | 7,132       | 9,277       | 7,333       | 2,616       | 173         | 11          |
| 7th child . . . . .                   | 13,035        | –              | 6           | –        | –        | 1        | 1        | 4        | 314         | 2,546       | 4,612       | 3,931       | 1,510       | 109         | 7           |
| 8th child and over . . . . .          | 14,377        | –              | 4           | –        | –        | 1        | –        | 3        | 132         | 1,345       | 3,899       | 5,357       | 3,252       | 371         | 17          |
| Not stated . . . . .                  | 13,178        | 19             | 1,225       | 41       | 127      | 184      | 357      | 516      | 3,034       | 3,327       | 3,165       | 1,875       | 493         | 38          | 2           |
| <b>White</b>                          |               |                |             |          |          |          |          |          |             |             |             |             |             |             |             |
| 1st child . . . . .                   | 937,836       | 1,313          | 137,652     | 4,585    | 12,045   | 24,096   | 40,082   | 56,844   | 266,007     | 259,923     | 180,173     | 76,020      | 15,643      | 1,016       | 89          |
| 2d child . . . . .                    | 761,662       | 14             | 23,516      | 105      | 558      | 2,182    | 6,337    | 14,334   | 170,327     | 220,382     | 219,692     | 106,999     | 19,550      | 1,101       | 81          |
| 3d child . . . . .                    | 366,578       | –              | 3,018       | 2        | 31       | 133      | 687      | 2,165    | 60,198      | 106,844     | 113,310     | 69,223      | 13,262      | 672         | 51          |
| 4th child . . . . .                   | 130,155       | –              | 285         | –        | 2        | 13       | 52       | 218      | 13,956      | 37,342      | 41,710      | 29,454      | 6,984       | 393         | 31          |
| 5th child . . . . .                   | 42,834        | –              | 41          | –        | –        | 3        | 6        | 32       | 2,701       | 11,146      | 14,266      | 11,077      | 3,362       | 226         | 15          |
| 6th child . . . . .                   | 16,296        | –              | 3           | –        | –        | –        | 1        | 2        | 515         | 3,277       | 5,622       | 4,948       | 1,794       | 128         | 9           |
| 7th child . . . . .                   | 7,389         | –              | 2           | –        | –        | 1        | –        | 1        | 94          | 988         | 2,651       | 2,555       | 1,020       | 73          | 6           |
| 8th child and over . . . . .          | 8,731         | –              | 2           | –        | –        | –        | –        | 2        | 73          | 486         | 1,980       | 3,495       | 2,396       | 291         | 8           |
| Not stated . . . . .                  | 8,287         | 4              | 486         | 10       | 39       | 59       | 164      | 214      | 1,647       | 2,165       | 2,241       | 1,371       | 341         | 31          | 1           |
| <b>Black</b>                          |               |                |             |          |          |          |          |          |             |             |             |             |             |             |             |
| 1st child . . . . .                   | 222,633       | 2,635          | 74,868      | 5,356    | 9,816    | 15,005   | 20,370   | 24,321   | 78,150      | 35,773      | 19,864      | 8,996       | 2,196       | 140         | 11          |
| 2d child . . . . .                    | 166,631       | 47             | 17,314      | 203      | 870      | 2,337    | 5,122    | 8,782    | 61,834      | 43,839      | 27,316      | 13,261      | 2,875       | 138         | 7           |
| 3d child . . . . .                    | 101,797       | 2              | 3,372       | 13       | 54       | 266      | 831      | 2,208    | 31,353      | 32,283      | 21,102      | 10,964      | 2,595       | 123         | 3           |
| 4th child . . . . .                   | 48,505        | –              | 497         | 1        | 4        | 20       | 110      | 362      | 11,422      | 16,881      | 11,531      | 6,266       | 1,816       | 87          | 5           |
| 5th child . . . . .                   | 21,592        | –              | 63          | –        | 1        | 1        | 9        | 52       | 3,539       | 7,819       | 5,834       | 3,233       | 1,044       | 58          | 2           |
| 6th child . . . . .                   | 9,654         | –              | 12          | –        | –        | –        | 4        | 8        | 945         | 3,320       | 2,916       | 1,827       | 612         | 20          | 2           |
| 7th child . . . . .                   | 4,578         | –              | 4           | –        | –        | –        | 1        | 3        | 191         | 1,335       | 1,593       | 1,054       | 374         | 27          | –           |
| 8th child and over . . . . .          | 4,542         | –              | 2           | –        | –        | 1        | –        | 1        | 53          | 748         | 1,587       | 1,451       | 643         | 52          | 6           |
| Not stated . . . . .                  | 3,827         | 13             | 681         | 29       | 84       | 117      | 180      | 271      | 1,186       | 887         | 593         | 359         | 101         | 6           | 1           |

– Quantity zero.

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 7. Fertility rates and birth rates, by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2005**

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

| Live-birth order and<br>race of mother | Age of mother               |                |             |                |                |                |                |                |                |                |                             |
|--|-----------------------------|----------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|  | 15–44<br>years <sup>1</sup> | 10–14<br>years | 15–19 years |                |                | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years | 45–49<br>years <sup>2</sup> |
|  |                             |                | Total       | 15–17<br>years | 18–19<br>years |                |                |                |                |                |                             |
| <b>Hispanic</b>                        |                             |                |             |                |                |                |                |                |                |                |                             |
| Total . . . . .                        | 99.4                        | 1.3            | 81.7        | 48.5           | 134.6          | 170.0          | 149.2          | 106.8          | 54.2           | 13.0           | 0.8                         |
| 1st child . . . . .                    | 35.5                        | 1.3            | 63.6        | 43.0           | 96.6           | 73.1           | 38.1           | 20.0           | 8.2            | 1.8            | 0.1                         |
| 2d child . . . . .                     | 30.5                        | 0.0            | 15.4        | 5.1            | 31.8           | 61.4           | 51.6           | 31.5           | 13.5           | 2.7            | 0.1                         |
| 3d child . . . . .                     | 19.5                        | *              | 2.4         | 0.4            | 5.5            | 26.0           | 37.0           | 29.8           | 14.7           | 2.9            | 0.1                         |
| 4th child . . . . .                    | 8.6                         | *              | 0.3         | 0.0            | 0.6            | 7.4            | 15.2           | 15.6           | 9.3            | 2.3            | 0.1                         |
| 5th child . . . . .                    | 3.2                         | *              | 0.0         | *              | 0.1            | 1.7            | 5.0            | 6.0            | 4.5            | 1.4            | 0.1                         |
| 6th and 7th child . . . . .            | 1.7                         | *              | *           | *              | *              | 0.4            | 2.0            | 3.3            | 3.1            | 1.3            | 0.1                         |
| 8th child and over . . . . .           | 0.4                         | *              | *           | *              | *              | 0.0            | 0.2            | 0.6            | 0.9            | 0.5            | 0.1                         |
| Mexican . . . . .                      | 107.7                       | 1.4            | 93.4        | 55.4           | 156.3          | 183.2          | 154.4          | 108.3          | 56.3           | 13.3           | 0.8                         |
| 1st child . . . . .                    | 36.8                        | 1.4            | 72.2        | 48.9           | 110.8          | 75.6           | 35.1           | 16.6           | 6.7            | 1.4            | 0.1                         |
| 2d child . . . . .                     | 32.5                        | 0.0            | 18.0        | 6.0            | 37.9           | 67.7           | 53.1           | 29.5           | 11.7           | 2.1            | 0.1                         |
| 3d child . . . . .                     | 22.1                        | *              | 2.8         | 0.5            | 6.7            | 29.2           | 41.0           | 32.7           | 15.7           | 2.9            | 0.1                         |
| 4th child . . . . .                    | 10.1                        | *              | 0.3         | 0.0            | 0.8            | 8.2            | 17.1           | 18.1           | 11.4           | 2.8            | 0.1                         |
| 5th child . . . . .                    | 3.8                         | *              | 0.0         | *              | 0.1            | 1.9            | 5.6            | 7.0            | 5.7            | 1.7            | 0.1                         |
| 6th and 7th child . . . . .            | 2.0                         | *              | *           | *              | *              | 0.4            | 2.2            | 3.7            | 3.9            | 1.7            | 0.1                         |
| 8th child and over . . . . .           | 0.4                         | *              | *           | *              | *              | 0.0            | 0.2            | 0.6            | 1.1            | 0.7            | 0.1                         |
| Puerto Rican . . . . .                 | 72.1                        | 1.0            | 63.3        | 37.2           | *              | 131.0          | 110.4          | 77.5           | 36.0           | 7.9            | 0.4                         |
| 1st child . . . . .                    | 28.3                        | 0.9            | 49.9        | 33.4           | *              | 55.2           | 29.2           | 17.6           | 7.2            | 1.4            | *                           |
| 2d child . . . . .                     | 22.2                        | *              | 11.4        | 3.5            | *              | 45.9           | 37.2           | 25.0           | 11.2           | 2.3            | *                           |
| 3d child . . . . .                     | 12.7                        | *              | 1.7         | 0.2            | *              | 20.7           | 25.7           | 18.5           | 9.1            | 1.8            | *                           |
| 4th child . . . . .                    | 5.3                         | *              | 0.2         | *              | *              | 7.0            | 11.6           | 8.9            | 4.2            | 1.1            | *                           |
| 5th child . . . . .                    | 2.1                         | *              | *           | *              | *              | 1.6            | 4.4            | 4.1            | 2.1            | 0.6            | *                           |
| 6th and 7th child . . . . .            | 1.2                         | *              | *           | *              | *              | 0.6            | 2.0            | 2.7            | 1.6            | 0.5            | *                           |
| 8th child and over . . . . .           | 0.3                         | *              | *           | *              | *              | *              | 0.2            | 0.7            | 0.6            | 0.2            | *                           |
| Cuban . . . . .                        | 50.4                        | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 1st child . . . . .                    | 22.7                        | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 2d child . . . . .                     | 18.6                        | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 3d child . . . . .                     | 6.7                         | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 4th child . . . . .                    | 1.8                         | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 5th child . . . . .                    | 0.5                         | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 6th and 7th child . . . . .            | 0.2                         | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| 8th child and over . . . . .           | *                           | *              | *           | *              | *              | *              | *              | *              | *              | *              | *                           |
| Other Hispanic <sup>3</sup> . . . . .  | 93.2                        | 1.1            | 62.2        | 37.1           | 97.6           | 156.3          | 154.6          | 116.3          | 58.7           | 14.5           | 0.8                         |
| 1st child . . . . .                    | 36.3                        | 1.1            | 49.5        | 33.1           | 72.6           | 76.2           | 50.8           | 30.0           | 12.1           | 2.7            | 0.2                         |
| 2d child . . . . .                     | 29.7                        | *              | 10.9        | 3.6            | 21.2           | 52.6           | 54.5           | 39.2           | 18.4           | 3.9            | 0.2                         |
| 3d child . . . . .                     | 16.7                        | *              | 1.6         | 0.3            | 3.3            | 20.5           | 31.7           | 27.5           | 15.2           | 3.6            | 0.2                         |
| 4th child . . . . .                    | 6.6                         | *              | 0.2         | *              | 0.4            | 5.4            | 12.1           | 12.1           | 7.2            | 2.0            | 0.1                         |
| 5th child . . . . .                    | 2.4                         | *              | *           | *              | *              | 1.3            | 3.8            | 4.7            | 3.1            | 1.0            | 0.1                         |
| 6th and 7th child . . . . .            | 1.2                         | *              | *           | *              | *              | 0.3            | 1.5            | 2.4            | 2.1            | 0.9            | *                           |
| 8th child and over . . . . .           | 0.3                         | *              | *           | *              | *              | *              | 0.2            | 0.4            | 0.6            | 0.4            | *                           |
| <b>Non-Hispanic<sup>4</sup></b>        |                             |                |             |                |                |                |                |                |                |                |                             |
| Total <sup>5</sup> . . . . .           | 60.4                        | 0.5            | 32.4        | 16.0           | 57.6           | 88.7           | 108.0          | 93.4           | 44.9           | 8.6            | 0.6                         |
| 1st child . . . . .                    | 24.8                        | 0.5            | 26.4        | 14.6           | 44.5           | 43.7           | 42.0           | 28.8           | 11.1           | 2.0            | 0.1                         |
| 2d child . . . . .                     | 19.7                        | 0.0            | 5.1         | 1.3            | 10.9           | 29.2           | 36.1           | 34.6           | 15.7           | 2.6            | 0.2                         |
| 3d child . . . . .                     | 9.8                         | *              | 0.8         | 0.1            | 1.9            | 11.5           | 18.6           | 18.0           | 10.0           | 1.8            | 0.1                         |
| 4th child . . . . .                    | 3.7                         | *              | 0.1         | 0.0            | 0.2            | 3.2            | 7.3            | 7.1            | 4.4            | 1.0            | 0.1                         |
| 5th child . . . . .                    | 1.4                         | *              | 0.0         | *              | 0.0            | 0.8            | 2.6            | 2.7            | 1.8            | 0.5            | 0.0                         |
| 6th and 7th child . . . . .            | 0.8                         | *              | 0.0         | *              | 0.0            | 0.2            | 1.2            | 1.7            | 1.3            | 0.4            | 0.0                         |
| 8th child and over . . . . .           | 0.3                         | *              | *           | *              | *              | 0.0            | 0.2            | 0.5            | 0.6            | 0.3            | 0.0                         |

See footnotes at end of table.

**Table 7. Fertility rates and birth rates, by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2005—Con.**

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

| Live-birth order and<br>race of mother | Age of mother               |                |             |                |                |                |                |                |                |                |                             |
|--|-----------------------------|----------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|  | 15–44<br>years <sup>1</sup> | 10–14<br>years | 15–19 years |                |                | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years | 45–49<br>years <sup>2</sup> |
|  |                             |                | Total       | 15–17<br>years | 18–19<br>years |                |                |                |                |                |                             |
| <b>Non-Hispanic<sup>4</sup></b>        |                             |                |             |                |                |                |                |                |                |                |                             |
| White . . . . .                        | 58.3                        | 0.2            | 25.9        | 11.5           | 48.0           | 81.4           | 109.1          | 96.9           | 45.6           | 8.3            | 0.5                         |
| 1st child . . . . .                    | 24.1                        | 0.2            | 21.7        | 10.7           | 38.5           | 42.1           | 44.3           | 30.2           | 11.4           | 2.0            | 0.1                         |
| 2d child . . . . .                     | 19.5                        | *              | 3.7         | 0.7            | 8.2            | 27.0           | 37.5           | 36.7           | 16.1           | 2.5            | 0.1                         |
| 3d child . . . . .                     | 9.4                         | *              | 0.5         | 0.0            | 1.1            | 9.5            | 18.2           | 18.9           | 10.4           | 1.7            | 0.1                         |
| 4th child . . . . .                    | 3.3                         | *              | 0.0         | *              | 0.1            | 2.2            | 6.4            | 7.0            | 4.4            | 0.9            | 0.1                         |
| 5th child . . . . .                    | 1.1                         | *              | 0.0         | *              | 0.0            | 0.4            | 1.9            | 2.4            | 1.7            | 0.4            | 0.0                         |
| 6th and 7th child . . . . .            | 0.6                         | *              | *           | *              | *              | 0.1            | 0.7            | 1.4            | 1.1            | 0.4            | 0.0                         |
| 8th child and over . . . . .           | 0.2                         | *              | *           | *              | *              | 0.0            | 0.1            | 0.3            | 0.5            | 0.3            | 0.0                         |
| Black . . . . .                        | 67.2                        | 1.7            | 60.9        | 34.9           | 103.0          | 126.8          | 103.0          | 68.4           | 34.3           | 8.2            | 0.5                         |
| 1st child . . . . .                    | 25.8                        | 1.6            | 47.4        | 31.0           | 74.0           | 52.9           | 26.0           | 14.8           | 6.6            | 1.5            | 0.1                         |
| 2d child . . . . .                     | 19.3                        | 0.0            | 11.0        | 3.5            | 23.0           | 41.8           | 31.8           | 20.3           | 9.7            | 1.9            | 0.1                         |
| 3d child . . . . .                     | 11.8                        | *              | 2.1         | 0.3            | 5.0            | 21.2           | 23.4           | 15.7           | 8.0            | 1.8            | 0.1                         |
| 4th child . . . . .                    | 5.6                         | *              | 0.3         | 0.0            | 0.8            | 7.7            | 12.2           | 8.6            | 4.6            | 1.2            | 0.1                         |
| 5th child . . . . .                    | 2.5                         | *              | 0.0         | *              | 0.1            | 2.4            | 5.7            | 4.4            | 2.4            | 0.7            | 0.0                         |
| 6th and 7th child . . . . .            | 1.7                         | *              | *           | *              | *              | 0.8            | 3.4            | 3.4            | 2.1            | 0.7            | 0.0                         |
| 8th child and over . . . . .           | 0.5                         | *              | *           | *              | *              | 0.0            | 0.5            | 1.2            | 1.1            | 0.4            | 0.0                         |

0.0 Quantity more than zero but less than 0.05.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for the Hispanic subgroups, fewer than 75,000 women in the denominator; see "Technical Notes." These guidelines for denominator size follow the suggestions of the U.S. Census Bureau.

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

<sup>2</sup>Birth rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

<sup>3</sup>Includes Central and South American and other and unknown Hispanic.

<sup>4</sup>Includes origin not stated.

<sup>5</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2005**

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

| Year and origin and race of mother | Total fertility rate | Fertility rate <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------------|----------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                    |                      |                             | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>2</sup> |
|                                    |                      |                             |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| <b>All origins</b>                 |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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                      |
| <b>Hispanic</b>                    |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| Total                              |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 2,957.5              | 106.1                       | 2.5           | 103.3       | 68.9        | 153.9       | 185.2       | 148.8       | 94.8        | 45.3        | 11.0        | 0.6                      |
| 1991 <sup>3</sup>                  | 2,963.5              | 106.9                       | 2.4           | 104.6       | 69.2        | 155.5       | 184.6       | 150.0       | 95.1        | 44.7        | 10.7        | 0.6                      |
| 1990 <sup>4</sup>                  | 2,959.5              | 107.7                       | 2.4           | 100.3       | 65.9        | 147.7       | 181.0       | 153.0       | 98.3        | 45.3        | 10.9        | 0.7                      |
| 1989 <sup>5</sup>                  | 2,903.5              | 104.9                       | 2.3           | 100.8       | ---         | ---         | 184.4       | 146.6       | 92.1        | 43.5        | 10.4        | 0.6                      |
| <b>Mexican</b>                     |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 3,107.0              | 113.3                       | 2.4           | 105.1       | ---         | ---         | 196.6       | 160.2       | 97.1        | 47.4        | 11.8        | 0.8                      |
| 1991 <sup>3</sup>                  | 3,103.5              | 114.9                       | 2.5           | 108.3       | 70.0        | 164.7       | 192.4       | 156.1       | 99.7        | 49.1        | 11.9        | 0.7                      |
| 1990 <sup>4</sup>                  | 3,214.0              | 118.9                       | 2.5           | 108.0       | 69.7        | 162.2       | 200.3       | 165.3       | 104.4       | 49.1        | 12.4        | 0.8                      |
| 1989 <sup>5</sup>                  | 2,916.5              | 106.6                       | 2.0           | 94.5        | ---         | ---         | 184.3       | 153.7       | 96.1        | 41.0        | 11.1        | 0.6                      |

See footnotes at end of table.

**Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2005—Con.**

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

| Year and origin and race of mother | Total fertility rate | Fertility rate <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------------|----------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                    |                      |                             | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>2</sup> |
|                                    |                      |                             |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| <b>Puerto Rican</b>                |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 2,568.5              | 87.9                        | 3.4           | 106.5       | ---         | ---         | 199.1       | 102.6       | 65.3        | 29.9        | 6.6         | *                        |
| 1991 <sup>3</sup>                  | 2,573.5              | 87.9                        | 2.7           | 111.0       | *           | *           | 193.3       | 108.9       | 68.1        | 23.9        | 6.5         | *                        |
| 1990 <sup>4</sup>                  | 2,301.0              | 82.9                        | 2.9           | 101.6       | 71.6        | 141.6       | 150.1       | 109.9       | 62.8        | 26.2        | 6.2         | 0.5                      |
| 1989 <sup>5</sup>                  | 2,421.0              | 86.6                        | 3.8           | 112.7       | ---         | ---         | 171.0       | 98.0        | 65.2        | 26.9        | 6.3         | *                        |
| <b>Cuban</b>                       |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 1,453.5              | 49.4                        | *             | *           | ---         | ---         | *           | *           | *           | *           | *           | *                        |
| 1991 <sup>3</sup>                  | 1,352.5              | 47.6                        | *             | *           | *           | *           | *           | *           | *           | *           | *           | *                        |
| 1990 <sup>4</sup>                  | 1,459.5              | 52.6                        | *             | 30.3        | 18.2        | 46.1        | 64.6        | 95.4        | 67.6        | 28.2        | 4.9         | *                        |
| 1989 <sup>5</sup>                  | 1,479.0              | 49.8                        | *             | *           | ---         | ---         | *           | *           | *           | *           | *           | *                        |
| <b>Other Hispanic<sup>6</sup></b>  |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 2,989.0              | 104.7                       | 2.4           | 108.2       | ---         | ---         | 168.0       | 151.9       | 104.4       | 49.9        | 12.5        | 0.5                      |
| 1991 <sup>3</sup>                  | 3,064.5              | 105.5                       | 2.2           | 100.7       | 67.3        | 145.6       | 184.1       | 164.5       | 100.2       | 49.2        | 11.4        | 0.6                      |
| 1990 <sup>4</sup>                  | 2,877.0              | 102.7                       | 2.1           | 86.0        | 57.2        | 123.8       | 162.9       | 155.8       | 106.9       | 49.4        | 11.6        | 0.7                      |
| 1989 <sup>5</sup>                  | 2,683.0              | 95.8                        | 1.7           | 66.4        | ---         | ---         | 159.2       | 150.4       | 85.1        | 60.3        | 12.7        | 0.8                      |

See footnotes at end of table.

**Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2005—Con.**

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

| Year and origin and race of mother | Total fertility rate | Fertility rate <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------------|----------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                    |                      |                             | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>2</sup> |
|                                    |                      |                             |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| Non-Hispanic <sup>7</sup>          |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| Total <sup>8</sup>                 |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 1,929.0              | 64.2                        | 1.2           | 54.3        | 33.2        | 85.3        | 104.3       | 111.4       | 77.9        | 31.1        | 5.4         | 0.2                      |
| 1991 <sup>3</sup>                  | 1,953.0              | 65.2                        | 1.3           | 56.1        | 34.4        | 86.1        | 106.5       | 113.1       | 77.5        | 30.8        | 5.1         | 0.2                      |
| 1990 <sup>4</sup>                  | 1,979.5              | 67.1                        | 1.3           | 54.8        | 33.8        | 81.4        | 108.1       | 116.5       | 79.2        | 30.7        | 5.1         | 0.2                      |
| 1989 <sup>5</sup>                  | 1,921.0              | 65.7                        | 1.3           | 53.4        | ---         | ---         | 107.8       | 113.4       | 74.7        | 28.6        | 4.8         | 0.2                      |
| White                              |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup>                  | 1,803.5              | 60.0                        | 0.5           | 41.7        | 22.7        | 69.8        | 93.9        | 110.6       | 78.3        | 30.4        | 5.1         | 0.2                      |
| 1991 <sup>3</sup>                  | 1,822.5              | 60.9                        | 0.5           | 43.4        | 23.6        | 70.6        | 95.7        | 112.1       | 77.7        | 30.2        | 4.7         | 0.2                      |
| 1990 <sup>4</sup>                  | 1,850.5              | 62.8                        | 0.5           | 42.5        | 23.2        | 66.6        | 97.5        | 115.3       | 79.4        | 30.0        | 4.7         | 0.2                      |
| 1989 <sup>5</sup>                  | 1,770.0              | 60.5                        | 0.4           | 39.9        | ---         | ---         | 94.7        | 111.7       | 75.0        | 27.8        | 4.3         | 0.2                      |

See footnotes at end of table.

**Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2005—Con.**

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

| Year and origin and race of mother | Total fertility rate | Fertility rate <sup>1</sup> | Age of mother |             |             |             |             |             |             |             |             |                          |
|------------------------------------|----------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                                    |                      |                             | 10–14 years   | 15–19 years |             |             | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–44 years | 45–49 years <sup>2</sup> |
|                                    |                      |                             |               | Total       | 15–17 years | 18–19 years |             |             |             |             |             |                          |
| Non-Hispanic <sup>4</sup>          |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| Black                              |                      |                             |               |             |             |             |             |             |             |             |             |                          |
| 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 <sup>3</sup> . . . . .        | 2,482.5              | 84.5                        | 4.8           | 114.7       | 82.9        | 161.1       | 160.8       | 112.8       | 68.4        | 29.1        | 5.7         | 0.2                      |
| 1991 <sup>3</sup> . . . . .        | 2,532.0              | 87.0                        | 4.9           | 118.2       | 86.1        | 162.2       | 164.8       | 115.1       | 68.9        | 28.7        | 5.6         | 0.2                      |
| 1990 <sup>4</sup> . . . . .        | 2,547.5              | 89.0                        | 5.0           | 116.2       | 84.9        | 157.5       | 165.1       | 118.4       | 70.2        | 28.7        | 5.6         | 0.3                      |
| 1989 <sup>5</sup> . . . . .        | 2,424.0              | 84.8                        | 5.2           | 111.9       | ---         | ---         | 156.3       | 113.8       | 65.7        | 26.3        | 5.3         | 0.3                      |

--- Data not available.

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for the Hispanic subgroups, fewer than 50 women for census years and 75,000 women for noncensus years in the denominator; see "Technical Notes." These guidelines for denominator size follow the suggestions of the U.S. Census Bureau.

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

<sup>2</sup>Beginning 1997, rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

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

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

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

<sup>6</sup>Includes Central and South American and other and unknown Hispanic.

<sup>7</sup>Includes origin not stated.

<sup>8</sup>Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."



**Table 9. Fertility rates and birth rates by live-birth order and by race and Hispanic origin of mother: United States, 1980–2005**

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

| Year and race and<br>Hispanic origin of mother | Fertility<br>rate | Live-birth order |      |      |     |     |         |               |
|--|-------------------|------------------|------|------|-----|-----|---------|---------------|
|  |                   | 1                | 2    | 3    | 4   | 5   | 6 and 7 | 8 and<br>over |
| All races <sup>1,2</sup>                       |                   |                  |      |      |     |     |         |               |
| 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 <sup>3</sup>                              | 65.5              | 27.4             | 21.7 | 10.1 | 3.7 | 1.4 | 0.9     | 0.3           |
| 1983 <sup>3</sup>                              | 65.7              | 27.8             | 21.5 | 10.1 | 3.7 | 1.4 | 0.9     | 0.3           |
| 1982 <sup>3</sup>                              | 67.3              | 28.6             | 22.0 | 10.2 | 3.8 | 1.4 | 0.9     | 0.3           |
| 1981 <sup>3</sup>                              | 67.3              | 29.0             | 21.6 | 10.1 | 3.8 | 1.5 | 0.9     | 0.4           |
| 1980 <sup>3</sup>                              | 68.4              | 29.5             | 21.8 | 10.3 | 3.9 | 1.5 | 1.0     | 0.4           |
| Non-Hispanic white <sup>2,4</sup>              |                   |                  |      |      |     |     |         |               |
| 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 <sup>5</sup>                              | 60.0              | 25.1             | 20.5 | 9.5  | 3.2 | 1.0 | 0.5     | 0.2           |
| 1991 <sup>5</sup>                              | 60.9              | 25.8             | 20.6 | 9.6  | 3.2 | 1.0 | 0.5     | 0.2           |
| 1990 <sup>6</sup>                              | 62.8              | 26.7             | 21.2 | 9.9  | 3.3 | 1.1 | 0.5     | 0.2           |

See footnotes at end of table.

**Table 9. Fertility rates and birth rates by live-birth order and by race and Hispanic origin of mother: United States, 1980–2005—Con.**

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

| Year and race and<br>Hispanic origin of mother | Fertility<br>rate | Live-birth order |      |      |     |     |         |               |
|--|-------------------|------------------|------|------|-----|-----|---------|---------------|
|  |                   | 1                | 2    | 3    | 4   | 5   | 6 and 7 | 8 and<br>over |
| <b>Non-Hispanic black<sup>2,4</sup></b>        |                   |                  |      |      |     |     |         |               |
| 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 <sup>5</sup> . . . . .                    | 84.5              | 31.1             | 24.8 | 15.2 | 7.3 | 3.4 | 2.2     | 0.6           |
| 1991 <sup>5</sup> . . . . .                    | 87.0              | 32.1             | 25.5 | 15.7 | 7.5 | 3.4 | 2.2     | 0.6           |
| 1990 <sup>6</sup> . . . . .                    | 89.0              | 33.2             | 26.3 | 16.0 | 7.6 | 3.3 | 2.0     | 0.6           |
| <b>Hispanic<sup>7</sup></b>                    |                   |                  |      |      |     |     |         |               |
| 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 <sup>5</sup> . . . . .                    | 106.1             | 40.1             | 30.9 | 19.0 | 9.1 | 3.9 | 2.5     | 0.7           |
| 1991 <sup>5</sup> . . . . .                    | 106.9             | 40.8             | 30.6 | 19.2 | 9.2 | 3.9 | 2.5     | 0.7           |
| 1990 <sup>6</sup> . . . . .                    | 107.7             | 40.7             | 30.9 | 19.5 | 9.3 | 4.0 | 2.6     | 0.8           |

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

<sup>2</sup>Includes origin not stated.

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

<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

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

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

<sup>7</sup>Includes all persons of Hispanic origin of any race.

**Table 10. Mean age of mother, by live-birth order and race and Hispanic origin of mother: United States, selected years, 1980–2005**

[Mean age at birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of births by age of mother and live birth order. Live-birth order refers to number of children born alive to mother]

| Year and race and<br>Hispanic origin of mother | Total | Live-birth order |      |      |      |      |         |               |                          |
|--|-------|------------------|------|------|------|------|---------|---------------|--------------------------|
|  |       | 1                | 2    | 3    | 4    | 5    | 6 and 7 | 8 and<br>over | Unknown or<br>not stated |
| <b>All races<sup>1</sup></b>                   |       |                  |      |      |      |      |         |               |                          |
| 2005 . . . . .                                 | 27.4  | 25.2             | 28.0 | 29.4 | 30.4 | 31.4 | 32.9    | 35.9          | 28.0                     |
| 2004 . . . . .                                 | 27.5  | 25.2             | 28.0 | 29.4 | 30.4 | 31.4 | 32.9    | 35.9          | 27.6                     |
| 2003 . . . . .                                 | 27.4  | 25.2             | 28.0 | 29.3 | 30.4 | 31.4 | 33.0    | 35.8          | 27.9                     |
| 2002 . . . . .                                 | 27.3  | 25.1             | 27.9 | 29.2 | 30.3 | 31.4 | 32.9    | 35.9          | 27.7                     |
| 2001 . . . . .                                 | 27.3  | 25.0             | 27.8 | 29.2 | 30.3 | 31.4 | 32.9    | 35.9          | 27.0                     |
| 2000 . . . . .                                 | 27.2  | 24.9             | 27.7 | 29.2 | 30.3 | 31.4 | 32.9    | 35.8          | 27.4                     |
| 1995 . . . . .                                 | 26.9  | 24.5             | 27.5 | 29.1 | 30.1 | 31.2 | 32.6    | 35.4          | 27.1                     |
| 1990 . . . . .                                 | 26.4  | 24.2             | 26.9 | 28.3 | 29.4 | 30.6 | 32.1    | 35.1          | 27.4                     |
| 1985 . . . . .                                 | 25.8  | 23.7             | 26.3 | 27.9 | 29.3 | 30.6 | 32.5    | 35.7          | 26.1                     |
| 1980 <sup>2</sup> . . . . .                    | 25.0  | 22.7             | 25.4 | 27.3 | 29.0 | 30.6 | 32.7    | 36.0          | 23.9                     |
| <b>Non-Hispanic white<sup>3</sup></b>          |       |                  |      |      |      |      |         |               |                          |
| 2005 . . . . .                                 | 28.2  | 26.2             | 28.8 | 30.1 | 31.2 | 32.2 | 33.8    | 36.9          | 29.1                     |
| 2004 . . . . .                                 | 28.2  | 26.2             | 28.8 | 30.2 | 31.2 | 32.2 | 33.8    | 36.9          | 28.7                     |
| 2003 . . . . .                                 | 28.2  | 26.2             | 28.8 | 30.1 | 31.2 | 32.3 | 33.9    | 37.0          | 28.8                     |
| 2002 . . . . .                                 | 28.2  | 26.1             | 28.7 | 30.1 | 31.2 | 32.3 | 33.9    | 37.1          | 28.6                     |
| 2001 . . . . .                                 | 28.1  | 26.0             | 28.6 | 30.1 | 31.3 | 32.4 | 33.9    | 37.0          | 28.2                     |
| 2000 . . . . .                                 | 28.0  | 25.9             | 28.6 | 30.0 | 31.3 | 32.4 | 34.0    | 37.0          | 28.9                     |
| 1995 . . . . .                                 | 27.6  | 25.4             | 28.3 | 29.9 | 31.2 | 32.4 | 33.9    | 36.7          | 28.5                     |
| 1990 <sup>4</sup> . . . . .                    | 27.1  | 25.0             | 27.6 | 29.1 | 30.3 | 31.6 | 33.2    | 36.2          | 28.5                     |
| <b>Non-Hispanic black<sup>3</sup></b>          |       |                  |      |      |      |      |         |               |                          |
| 2005 . . . . .                                 | 25.6  | 22.7             | 26.0 | 27.6 | 28.8 | 29.8 | 31.3    | 34.2          | 25.8                     |
| 2004 . . . . .                                 | 25.6  | 22.7             | 25.9 | 27.5 | 28.6 | 29.8 | 31.2    | 34.1          | 25.7                     |
| 2003 . . . . .                                 | 25.6  | 22.7             | 25.9 | 27.5 | 28.6 | 29.7 | 31.3    | 34.0          | 26.3                     |
| 2002 . . . . .                                 | 25.4  | 22.6             | 25.8 | 27.3 | 28.5 | 29.6 | 31.2    | 34.1          | 26.5                     |
| 2001 . . . . .                                 | 25.3  | 22.4             | 25.7 | 27.2 | 28.3 | 29.6 | 31.2    | 34.1          | 26.4                     |
| 2000 . . . . .                                 | 25.2  | 22.3             | 25.5 | 27.1 | 28.2 | 29.5 | 31.0    | 33.9          | 26.0                     |
| 1995 . . . . .                                 | 24.8  | 21.9             | 25.3 | 27.0 | 28.0 | 29.3 | 30.8    | 33.2          | 25.4                     |
| 1990 <sup>4</sup> . . . . .                    | 24.4  | 21.7             | 24.6 | 26.3 | 27.4 | 28.7 | 30.3    | 33.3          | 26.0                     |
| <b>Hispanic<sup>5</sup></b>                    |       |                  |      |      |      |      |         |               |                          |
| 2005 . . . . .                                 | 26.2  | 23.1             | 26.2 | 28.5 | 30.1 | 31.4 | 33.2    | 35.6          | 26.5                     |
| 2004 . . . . .                                 | 26.2  | 23.1             | 26.2 | 28.5 | 30.1 | 31.5 | 33.1    | 35.5          | 25.8                     |
| 2003 . . . . .                                 | 26.1  | 23.1             | 26.1 | 28.4 | 30.0 | 31.4 | 33.1    | 35.4          | 25.8                     |
| 2002 . . . . .                                 | 26.0  | 23.0             | 26.0 | 28.3 | 29.9 | 31.4 | 33.1    | 35.7          | 25.7                     |
| 2001 . . . . .                                 | 25.9  | 22.8             | 25.9 | 28.2 | 29.9 | 31.4 | 33.1    | 35.7          | 24.4                     |
| 2000 . . . . .                                 | 25.7  | 22.7             | 25.8 | 28.1 | 29.8 | 31.3 | 33.0    | 35.5          | 24.2                     |
| 1995 . . . . .                                 | 25.4  | 22.4             | 25.5 | 27.8 | 29.6 | 31.1 | 32.8    | 35.5          | 24.2                     |
| 1990 <sup>4</sup> . . . . .                    | 25.3  | 22.4             | 25.2 | 27.4 | 29.1 | 30.6 | 32.3    | 35.3          | 26.1                     |

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

<sup>2</sup>Based on 100 percent of births in selected states and on a 50-percent sample of births in all other states; see "Technical Notes."

<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

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

<sup>5</sup>Includes all persons of Hispanic origin of any race.

**Table 11. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15–19 years, by age of mother: United States, each state and territory, 2005**

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

| State                                | Number of births | Birth rate | Fertility rate | Total fertility rate | Teenage birth rate |             |             |
|--------------------------------------|------------------|------------|----------------|----------------------|--------------------|-------------|-------------|
|                                      |                  |            |                |                      | 15–19 years        |             |             |
|                                      |                  |            |                |                      | Total              | 15–17 years | 18–19 years |
| United States <sup>1</sup> . . . . . | 4,138,349        | 14.0       | 66.7           | 2,053.5              | 40.5               | 21.4        | 69.9        |
| Alabama . . . . .                    | 60,453           | 13.3       | 63.5           | 1,934.5              | 49.7               | 26.6        | 84.6        |
| Alaska . . . . .                     | 10,459           | 15.8       | 75.4           | 2,442.5              | 37.3               | 17.1        | 69.0        |
| Arizona . . . . .                    | 96,199           | 16.2       | 79.2           | 2,368.5              | 58.2               | 33.8        | 96.7        |
| Arkansas . . . . .                   | 39,208           | 14.1       | 69.1           | 2,092.0              | 59.1               | 29.1        | 103.9       |
| California . . . . .                 | 548,882          | 15.2       | 71.3           | 2,183.0              | 38.8               | 21.0        | 67.6        |
| Colorado . . . . .                   | 68,944           | 14.8       | 68.8           | 2,078.0              | 42.6               | 24.0        | 71.8        |
| Connecticut . . . . .                | 41,718           | 11.9       | 58.7           | 1,912.5              | 23.3               | 12.2        | 41.0        |
| Delaware . . . . .                   | 11,643           | 13.8       | 65.1           | 2,010.0              | 44.0               | 22.8        | 76.0        |
| District of Columbia . . . . .       | 7,971            | 14.5       | 59.8           | 1,787.0              | 63.4               | 39.9        | 99.8        |
| Florida . . . . .                    | 226,240          | 12.7       | 65.6           | 2,060.0              | 42.4               | 21.7        | 75.1        |
| Georgia . . . . .                    | 142,200          | 15.7       | 70.0           | 2,143.5              | 52.7               | 27.7        | 91.7        |
| Hawaii . . . . .                     | 17,924           | 14.1       | 72.9           | 2,276.0              | 36.2               | 19.0        | 61.8        |
| Idaho . . . . .                      | 23,062           | 16.1       | 77.4           | 2,319.0              | 37.7               | 16.7        | 68.5        |
| Illinois . . . . .                   | 179,020          | 14.0       | 66.4           | 2,027.0              | 38.6               | 21.5        | 65.5        |
| Indiana . . . . .                    | 87,193           | 13.9       | 67.3           | 2,059.0              | 43.2               | 20.5        | 78.9        |
| Iowa . . . . .                       | 39,311           | 13.3       | 65.4           | 2,005.0              | 32.6               | 16.1        | 56.1        |
| Kansas . . . . .                     | 39,888           | 14.5       | 70.4           | 2,136.0              | 41.4               | 20.0        | 72.4        |
| Kentucky . . . . .                   | 56,444           | 13.5       | 64.7           | 1,992.0              | 49.1               | 24.4        | 86.4        |
| Louisiana . . . . .                  | 60,937           | 13.5       | 62.6           | 1,868.5              | 49.1               | 25.6        | 83.5        |
| Maine . . . . .                      | 14,112           | 10.7       | 53.6           | 1,780.0              | 24.4               | 10.7        | 44.8        |
| Maryland . . . . .                   | 74,980           | 13.4       | 62.8           | 1,995.5              | 31.8               | 16.9        | 55.9        |
| Massachusetts . . . . .              | 76,865           | 12.0       | 56.1           | 1,714.5              | 21.8               | 11.4        | 38.1        |
| Michigan . . . . .                   | 127,706          | 12.6       | 61.0           | 1,908.5              | 32.5               | 16.8        | 57.4        |
| Minnesota . . . . .                  | 70,919           | 13.8       | 64.9           | 2,024.0              | 26.1               | 12.5        | 46.0        |
| Mississippi . . . . .                | 42,395           | 14.5       | 67.8           | 2,016.0              | 60.5               | 33.1        | 101.9       |
| Missouri . . . . .                   | 78,618           | 13.6       | 65.0           | 1,993.0              | 42.5               | 21.1        | 74.2        |
| Montana . . . . .                    | 11,583           | 12.4       | 63.2           | 1,983.5              | 35.2               | 17.6        | 60.3        |
| Nebraska . . . . .                   | 26,145           | 14.9       | 72.1           | 2,188.5              | 34.2               | 18.9        | 56.1        |
| Nevada . . . . .                     | 37,268           | 15.4       | 74.5           | 2,268.5              | 50.1               | 27.8        | 87.0        |
| New Hampshire . . . . .              | 14,420           | 11.0       | 53.3           | 1,782.5              | 17.9               | 7.0         | 35.2        |
| New Jersey . . . . .                 | 113,776          | 13.1       | 63.9           | 2,049.5              | 23.4               | 12.0        | 42.0        |
| New Mexico . . . . .                 | 28,835           | 15.0       | 72.8           | 2,208.0              | 61.6               | 37.4        | 97.1        |
| New York . . . . .                   | 246,351          | 12.8       | 60.3           | 1,856.5              | 26.5               | 13.7        | 46.4        |
| North Carolina . . . . .             | 123,096          | 14.2       | 67.2           | 2,064.0              | 48.5               | 25.7        | 84.8        |
| North Dakota . . . . .               | 8,390            | 13.2       | 65.3           | 1,979.0              | 29.7               | 13.9        | 50.4        |
| Ohio . . . . .                       | 148,388          | 12.9       | 63.0           | 1,957.5              | 38.9               | 19.6        | 68.5        |
| Oklahoma . . . . .                   | 51,801           | 14.6       | 70.9           | 2,109.5              | 54.2               | 27.8        | 92.2        |
| Oregon . . . . .                     | 45,922           | 12.6       | 61.6           | 1,853.5              | 33.0               | 15.7        | 59.8        |
| Pennsylvania . . . . .               | 145,383          | 11.7       | 58.7           | 1,861.5              | 30.4               | 16.2        | 52.3        |
| Rhode Island . . . . .               | 12,697           | 11.8       | 55.7           | 1,730.5              | 31.4               | 16.6        | 54.3        |
| South Carolina . . . . .             | 57,711           | 13.6       | 64.5           | 1,971.0              | 51.0               | 27.6        | 87.9        |
| South Dakota . . . . .               | 11,462           | 14.8       | 73.4           | 2,258.5              | 37.5               | 19.5        | 63.4        |
| Tennessee . . . . .                  | 81,747           | 13.7       | 64.9           | 1,999.0              | 54.9               | 27.7        | 95.6        |
| Texas . . . . .                      | 385,915          | 16.9       | 77.6           | 2,339.0              | 61.6               | 36.0        | 100.7       |
| Utah . . . . .                       | 51,556           | 20.9       | 90.4           | 2,472.5              | 33.4               | 16.4        | 57.2        |
| Vermont . . . . .                    | 6,295            | 10.1       | 49.6           | 1,617.5              | 18.6               | 7.9         | 34.4        |
| Virginia . . . . .                   | 104,555          | 13.8       | 65.1           | 2,030.5              | 34.4               | 16.3        | 62.2        |
| Washington . . . . .                 | 82,703           | 13.2       | 62.1           | 1,911.0              | 31.1               | 15.2        | 54.8        |
| West Virginia . . . . .              | 20,836           | 11.5       | 58.8           | 1,803.5              | 43.4               | 21.0        | 76.7        |
| Wisconsin . . . . .                  | 70,984           | 12.8       | 61.7           | 1,944.0              | 30.3               | 15.1        | 52.7        |
| Wyoming . . . . .                    | 7,239            | 14.2       | 71.3           | 2,164.0              | 43.2               | 19.1        | 75.7        |
| Puerto Rico . . . . .                | 50,564           | 12.9       | 59.4           | 1,759.0              | 61.2               | 40.8        | 92.2        |
| Virgin Islands . . . . .             | 1,605            | 14.8       | 71.8           | 2,341.5              | 50.0               | 22.2        | 112.5       |
| Guam . . . . .                       | 3,187            | 18.9       | 85.0           | 2,576.0              | 59.2               | 33.5        | 100.5       |
| American Samoa . . . . .             | 1,720            | 27.6       | 125.5          | 3,922.0              | 34.2               | 11.7        | 74.6        |
| Northern Marianas . . . . .          | 1,335            | 16.6       | 41.4           | 1,163.0              | 30.4               | 22.2        | 40.1        |

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

**Table 12. Live births by race of mother: United States, each state and territory, 2005**

[By place of residence]

| State                                | Number    |           |         |                                     |                              |
|--------------------------------------|-----------|-----------|---------|-------------------------------------|------------------------------|
|                                      | All races | White     | Black   | American Indian<br>or Alaska Native | Asian or Pacific<br>Islander |
| United States <sup>1</sup> . . . . . | 4,138,349 | 3,229,294 | 633,134 | 44,813                              | 231,108                      |
| Alabama . . . . .                    | 60,453    | 41,252    | 18,136  | 190                                 | 875                          |
| Alaska . . . . .                     | 10,459    | 6,536     | 422     | 2,723                               | 778                          |
| Arizona . . . . .                    | 96,199    | 83,147    | 3,645   | 6,454                               | 2,953                        |
| Arkansas . . . . .                   | 39,208    | 30,807    | 7,473   | 241                                 | 687                          |
| California . . . . .                 | 548,882   | 445,277   | 32,252  | 3,121                               | 68,232                       |
| Colorado . . . . .                   | 68,944    | 62,856    | 3,123   | 575                                 | 2,390                        |
| Connecticut . . . . .                | 41,718    | 33,988    | 5,280   | 213                                 | 2,237                        |
| Delaware . . . . .                   | 11,643    | 8,192     | 2,912   | 38                                  | 501                          |
| District of Columbia . . . . .       | 7,971     | 2,401     | 5,368   | 7                                   | 195                          |
| Florida . . . . .                    | 226,240   | 161,478   | 56,503  | 694                                 | 7,565                        |
| Georgia . . . . .                    | 142,200   | 90,958    | 46,027  | 262                                 | 4,953                        |
| Hawaii . . . . .                     | 17,924    | 5,115     | 487     | 117                                 | 12,205                       |
| Idaho . . . . .                      | 23,062    | 22,112    | 146     | 412                                 | 392                          |
| Illinois . . . . .                   | 179,020   | 138,884   | 30,710  | 287                                 | 9,139                        |
| Indiana . . . . .                    | 87,193    | 75,733    | 9,878   | 147                                 | 1,435                        |
| Iowa . . . . .                       | 39,311    | 36,603    | 1,508   | 254                                 | 946                          |
| Kansas . . . . .                     | 39,888    | 35,116    | 3,127   | 431                                 | 1,214                        |
| Kentucky . . . . .                   | 56,444    | 50,445    | 5,094   | 82                                  | 823                          |
| Louisiana . . . . .                  | 60,937    | 35,374    | 24,145  | 378                                 | 1,040                        |
| Maine . . . . .                      | 14,112    | 13,508    | 264     | 114                                 | 226                          |
| Maryland . . . . .                   | 74,980    | 43,285    | 26,526  | 189                                 | 4,980                        |
| Massachusetts . . . . .              | 76,865    | 62,406    | 8,800   | 177                                 | 5,482                        |
| Michigan . . . . .                   | 127,706   | 100,039   | 22,509  | 729                                 | 4,429                        |
| Minnesota . . . . .                  | 70,919    | 57,776    | 6,898   | 1,468                               | 4,777                        |
| Mississippi . . . . .                | 42,395    | 23,045    | 18,659  | 283                                 | 408                          |
| Missouri . . . . .                   | 78,618    | 64,729    | 11,686  | 443                                 | 1,760                        |
| Montana . . . . .                    | 11,583    | 9,914     | 63      | 1,487                               | 119                          |
| Nebraska . . . . .                   | 26,145    | 23,233    | 1,718   | 497                                 | 697                          |
| Nevada . . . . .                     | 37,268    | 30,664    | 3,219   | 479                                 | 2,906                        |
| New Hampshire . . . . .              | 14,420    | 13,572    | 232     | 29                                  | 587                          |
| New Jersey . . . . .                 | 113,776   | 82,659    | 19,990  | 178                                 | 10,949                       |
| New Mexico . . . . .                 | 28,835    | 24,119    | 540     | 3,716                               | 460                          |
| New York . . . . .                   | 246,351   | 170,021   | 54,360  | 673                                 | 21,297                       |
| North Carolina . . . . .             | 123,096   | 89,636    | 28,433  | 1,685                               | 3,342                        |
| North Dakota . . . . .               | 8,390     | 7,195     | 129     | 960                                 | 106                          |
| Ohio . . . . .                       | 148,388   | 120,507   | 24,120  | 293                                 | 3,468                        |
| Oklahoma . . . . .                   | 51,801    | 40,036    | 4,821   | 5,854                               | 1,090                        |
| Oregon . . . . .                     | 45,922    | 41,561    | 1,011   | 848                                 | 2,502                        |
| Pennsylvania . . . . .               | 145,383   | 115,899   | 23,294  | 361                                 | 5,829                        |
| Rhode Island . . . . .               | 12,697    | 10,705    | 1,288   | 149                                 | 555                          |
| South Carolina . . . . .             | 57,711    | 36,098    | 20,369  | 216                                 | 1,028                        |
| South Dakota . . . . .               | 11,462    | 9,267     | 145     | 1,939                               | 111                          |
| Tennessee . . . . .                  | 81,747    | 61,409    | 18,484  | 157                                 | 1,697                        |
| Texas . . . . .                      | 385,915   | 327,298   | 44,076  | 896                                 | 13,645                       |
| Utah . . . . .                       | 51,556    | 48,934    | 482     | 640                                 | 1,500                        |
| Vermont . . . . .                    | 6,295     | 6,099     | 77      | 13                                  | 106                          |
| Virginia . . . . .                   | 104,555   | 74,323    | 22,911  | 162                                 | 7,159                        |
| Washington . . . . .                 | 82,703    | 67,917    | 4,230   | 2,083                               | 8,473                        |
| West Virginia . . . . .              | 20,836    | 19,935    | 707     | 16                                  | 178                          |
| Wisconsin . . . . .                  | 70,984    | 60,461    | 6,794   | 1,117                               | 2,612                        |
| Wyoming . . . . .                    | 7,239     | 6,770     | 63      | 336                                 | 70                           |
| Puerto Rico . . . . .                | 50,564    | 45,556    | 4,991   | ---                                 | ---                          |
| Virgin Islands . . . . .             | 1,605     | 415       | 1,168   | 10                                  | 12                           |
| Guam . . . . .                       | 3,187     | 279       | 31      | 5                                   | 2,872                        |
| American Samoa . . . . .             | 1,720     | 2         | —       | —                                   | 1,718                        |
| Northern Marianas . . . . .          | 1,335     | 19        | 1       | —                                   | 1,315                        |

--- Data not available.

— Quantity zero.

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 13. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each state and territory, 2005**

[By place of residence]

| State                      | Origin of mother |          |         |              |        |                            |                            |                    |           |         |        |            |
|----------------------------|------------------|----------|---------|--------------|--------|----------------------------|----------------------------|--------------------|-----------|---------|--------|------------|
|                            | All origins      | Hispanic |         |              |        |                            |                            | Non-Hispanic       |           |         |        | Not stated |
|                            |                  | Total    | Mexican | Puerto Rican | Cuban  | Central and South American | Other and unknown Hispanic | Total <sup>1</sup> | White     | Black   |        |            |
| United States <sup>2</sup> | 4,138,349        | 985,505  | 693,197 | 63,340       | 16,064 | 151,201                    | 61,703                     | 3,123,005          | 2,279,768 | 583,759 | 29,839 |            |
| Alabama                    | 60,453           | 4,020    | 2,957   | 102          | 21     | 596                        | 344                        | 56,382             | 37,302    | 18,057  | 51     |            |
| Alaska                     | 10,459           | 779      | 360     | 68           | 11     | 54                         | 286                        | 9,584              | 5,947     | 374     | 96     |            |
| Arizona                    | 96,199           | 42,852   | 40,069  | 324          | 66     | 1,019                      | 1,374                      | 51,513             | 40,065    | 3,019   | 1,834  |            |
| Arkansas                   | 39,208           | 4,038    | 3,323   | 49           | 12     | 604                        | 50                         | 35,019             | 26,717    | 7,406   | 151    |            |
| California                 | 548,882          | 282,842  | 246,526 | 2,118        | 755    | 27,675                     | 5,768                      | 258,702            | 159,723   | 30,520  | 7,338  |            |
| Colorado                   | 68,944           | 21,785   | 17,469  | 291          | 72     | 852                        | 3,101                      | 47,153             | 41,454    | 2,959   | 6      |            |
| Connecticut                | 41,718           | 8,004    | 1,035   | 4,364        | 79     | 2,299                      | 227                        | 33,647             | 26,369    | 4,872   | 67     |            |
| Delaware                   | 11,643           | 1,652    | 1,002   | 256          | 6      | 379                        | 9                          | 9,886              | 6,479     | 2,875   | 105    |            |
| District of Columbia       | 7,971            | 1,111    | 140     | 13           | 1      | 902                        | 55                         | 6,835              | 2,062     | 4,604   | 25     |            |
| Florida                    | 226,240          | 63,756   | 16,882  | 10,985       | 11,409 | 23,341                     | 1,139                      | 161,815            | 106,530   | 48,266  | 669    |            |
| Georgia                    | 142,200          | 21,891   | 16,981  | 617          | 140    | 3,981                      | 172                        | 118,381            | 68,123    | 45,327  | 1,928  |            |
| Hawaii                     | 17,924           | 2,789    | 534     | 754          | 22     | 131                        | 1,348                      | 15,091             | 4,194     | 409     | 44     |            |
| Idaho                      | 23,062           | 3,488    | 2,981   | 25           | 8      | 92                         | 382                        | 19,455             | 18,627    | 120     | 119    |            |
| Illinois                   | 179,020          | 43,441   | 36,942  | 2,629        | 175    | 1,759                      | 1,936                      | 135,473            | 95,694    | 30,411  | 106    |            |
| Indiana                    | 87,193           | 8,039    | 6,992   | 325          | 19     | 625                        | 78                         | 78,816             | 67,491    | 9,796   | 338    |            |
| Iowa                       | 39,311           | 3,115    | 2,486   | 63           | 8      | 466                        | 92                         | 36,081             | 33,452    | 1,479   | 115    |            |
| Kansas                     | 39,888           | 6,121    | 4,698   | 99           | 19     | 438                        | 867                        | 33,608             | 29,296    | 2,819   | 159    |            |
| Kentucky                   | 56,444           | 2,509    | 1,741   | 133          | 100    | 223                        | 312                        | 53,901             | 48,209    | 4,841   | 34     |            |
| Louisiana                  | 60,937           | 1,897    | 883     | 120          | 77     | 472                        | 345                        | 58,972             | 33,656    | 23,964  | 68     |            |
| Maine                      | 14,112           | 181      | 38      | 31           | 6      | 30                         | 76                         | 13,908             | 13,315    | 256     | 23     |            |
| Maryland                   | 74,980           | 8,681    | 1,961   | 423          | 57     | 5,902                      | 338                        | 66,150             | 37,072    | 24,321  | 149    |            |
| Massachusetts              | 76,865           | 10,125   | 534     | 4,439        | 63     | 4,859                      | 230                        | 66,252             | 53,922    | 6,754   | 488    |            |
| Michigan                   | 127,706          | 8,611    | 6,932   | 470          | 94     | 615                        | 500                        | 115,124            | 88,214    | 22,133  | 3,971  |            |
| Minnesota                  | 70,919           | 5,509    | 4,087   | 100          | 25     | 875                        | 422                        | 64,387             | 52,967    | 5,795   | 1,023  |            |
| Mississippi                | 42,395           | 1,170    | 742     | 30           | 10     | 87                         | 301                        | 41,180             | 21,859    | 18,633  | 45     |            |
| Missouri                   | 78,618           | 4,271    | 3,231   | 147          | 51     | 318                        | 524                        | 74,246             | 60,650    | 11,479  | 101    |            |
| Montana                    | 11,583           | 396      | 197     | 14           | 5      | 27                         | 153                        | 10,908             | 9,281     | 58      | 279    |            |
| Nebraska                   | 26,145           | 3,854    | 2,911   | 44           | 11     | 554                        | 334                        | 22,284             | 19,751    | 1,523   | 7      |            |
| Nevada                     | 37,268           | 14,090   | 11,777  | 267          | 199    | 1,393                      | 454                        | 22,645             | 16,506    | 2,998   | 533    |            |
| New Hampshire              | 14,420           | 522      | 129     | 136          | 17     | 166                        | 74                         | 13,674             | 12,908    | 187     | 224    |            |
| New Jersey                 | 113,776          | 27,959   | 6,479   | 6,620        | 803    | 13,855                     | 202                        | 85,681             | 58,014    | 16,730  | 136    |            |
| New Mexico                 | 28,835           | 15,823   | 7,800   | 81           | 47     | 133                        | 7,762                      | 13,005             | 8,480     | 482     | 7      |            |
| New York                   | 246,351          | 57,419   | 11,115  | 14,251       | 500    | 27,099                     | 4,454                      | 188,313            | 125,158   | 41,901  | 619    |            |
| North Carolina             | 123,096          | 19,519   | 14,524  | 843          | 138    | 3,847                      | 167                        | 103,451            | 70,288    | 28,195  | 126    |            |
| North Dakota               | 8,390            | 179      | 100     | 9            | 1      | 11                         | 58                         | 7,910              | 6,731     | 122     | 301    |            |
| Ohio                       | 148,388          | 6,070    | 3,270   | 1,143        | 81     | 941                        | 635                        | 141,092            | 114,997   | 22,566  | 1,226  |            |
| Oklahoma                   | 51,801           | 6,275    | 5,722   | 122          | 14     | 367                        | 50                         | 45,359             | 33,955    | 4,718   | 167    |            |
| Oregon                     | 45,922           | 9,165    | 8,404   | 106          | 54     | 404                        | 197                        | 36,515             | 32,349    | 958     | 242    |            |
| Pennsylvania               | 145,383          | 12,208   | 2,751   | 6,208        | 173    | 1,880                      | 1,196                      | 131,825            | 106,486   | 19,816  | 1,350  |            |
| Rhode Island               | 12,697           | 2,559    | 196     | 694          | 26     | 1,576                      | 67                         | 8,437              | 6,616     | 1,149   | 1,701  |            |
| South Carolina             | 57,711           | 4,990    | 3,529   | 295          | 46     | 815                        | 305                        | 52,608             | 32,818    | 18,696  | 113    |            |
| South Dakota               | 11,462           | 392      | 249     | 25           | 2      | 72                         | 44                         | 11,054             | 8,925     | 143     | 16     |            |
| Tennessee                  | 81,747           | 7,000    | 4,720   | 266          | 63     | 1,084                      | 867                        | 74,592             | 56,488    | 16,496  | 155    |            |
| Texas                      | 385,915          | 191,445  | 160,503 | 1,402        | 346    | 8,888                      | 20,306                     | 193,616            | 137,524   | 42,152  | 854    |            |
| Utah                       | 51,556           | 7,566    | 5,749   | 109          | 15     | 669                        | 1,024                      | 43,696             | 41,202    | 435     | 294    |            |
| Vermont                    | 6,295            | 72       | 20      | 18           | 1      | 18                         | 15                         | 6,159              | 5,967     | 76      | 64     |            |
| Virginia                   | 104,555          | 13,058   | 3,521   | 695          | 88     | 7,798                      | 956                        | 91,337             | 62,177    | 22,163  | 160    |            |
| Washington                 | 82,703           | 15,013   | 12,217  | 318          | 81     | 677                        | 1,720                      | 65,583             | 53,733    | 3,239   | 2,107  |            |
| West Virginia              | 20,836           | 174      | 78      | 13           | 3      | 34                         | 46                         | 20,608             | 19,723    | 696     | 54     |            |
| Wisconsin                  | 70,984           | 6,252    | 4,957   | 675          | 39     | 287                        | 294                        | 64,703             | 54,342    | 6,719   | 29     |            |
| Wyoming                    | 7,239            | 828      | 753     | 11           | 5      | 12                         | 47                         | 6,389              | 5,960     | 52      | 22     |            |
| Puerto Rico                | 50,564           | 47,457   | 68      | 45,634       | 48     | 1,675                      | 32                         | 3,098              | 2,922     | 160     | 9      |            |
| Virgin Islands             | 1,605            | 377      | 3       | 88           | —      | 135                        | 151                        | 1,154              | 134       | 1,000   | 74     |            |
| Guam                       | 3,187            | 56       | 23      | 17           | 1      | 4                          | 11                         | 3,110              | 249       | 29      | 21     |            |
| American Samoa             | 1,720            | —        | —       | —            | —      | —                          | —                          | —                  | —         | —       | 1,720  |            |
| Northern Marianas          | 1,335            | —        | —       | —            | —      | —                          | —                          | —                  | —         | —       | 1,335  |            |

— Quantity zero. --- Data not available.

<sup>1</sup>Includes races other than white and black.<sup>2</sup>Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data in 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes."

**Table 14. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by race of mother: United States, 2005**

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

| Characteristic                                 | All races | White     | Black   | American Indian or Alaska Native | Asian or Pacific Islander |
|--|-----------|-----------|---------|----------------------------------|---------------------------|
|  |           |           |         |                                  |                           |
| Number   |           |           |         |                                  |                           |
| Births . . . . .                               | 4,138,349 | 3,229,294 | 633,134 | 44,813                           | 231,108                   |
| Rate   |           |           |         |                                  |                           |
| Birth rate . . . . .                           | 14.0      | 13.4      | 16.2    | 14.2                             | 16.5                      |
| Fertility rate . . . . .                       | 66.7      | 66.3      | 69.0    | 59.9                             | 66.6                      |
| Total fertility rate . . . . .                 | 2,053.5   | 2,056.0   | 2,070.5 | 1,750.0                          | 1,889.0                   |
| Sex ratio <sup>1</sup> . . . . .               | 1,049     | 1,052     | 1,030   | 1,024                            | 1,066                     |
| All births                                     |           |           |         |                                  |                           |
| Percent  |           |           |         |                                  |                           |
| Births to mothers under 20 years . . . . .     | 10.2      | 9.3       | 16.9    | 17.7                             | 3.3                       |
| 4th- and higher-order births . . . . .         | 11.1      | 10.5      | 15.1    | 19.6                             | 6.5                       |
| Births to unmarried mothers . . . . .          | 36.9      | 31.7      | 69.3    | 63.5                             | 16.2                      |
| Mothers born in the 50 states and D.C. . . . . | 75.4      | 77.6      | 83.3    | 95.1                             | 18.1                      |
| Mean   |           |           |         |                                  |                           |
| Age of mother at first birth . . . . .         | 25.2      | 25.4      | 22.8    | 21.7                             | 28.5                      |

<sup>1</sup>Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 15. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2005**

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

| Characteristic                                 | All origins <sup>1</sup> | Hispanic |         |              |         |                            |                            | Non-Hispanic       |           |         |
|--|--------------------------|----------|---------|--------------|---------|----------------------------|----------------------------|--------------------|-----------|---------|
|  |                          | Total    | Mexican | Puerto Rican | Cuban   | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White     | Black   |
| Number   |                          |          |         |              |         |                            |                            |                    |           |         |
| Births . . . . .                               | 4,138,349                | 985,505  | 693,197 | 63,340       | 16,064  | 151,201                    | 61,703                     | 3,123,005          | 2,279,768 | 583,759 |
| Rate   |                          |          |         |              |         |                            |                            |                    |           |         |
| Birth rate <sup>3</sup> . . . . .              | 14.0                     | 23.1     | 24.7    | 17.2         | 10.2    | 22.8                       | (3)                        | 12.4               | 11.5      | 15.7    |
| Fertility rate <sup>3</sup> . . . . .          | 66.7                     | 99.4     | 107.7   | 72.1         | 50.4    | 93.2                       | (3)                        | 60.4               | 58.3      | 67.2    |
| Total fertility rate <sup>3</sup> . . . . .    | 2,053.5                  | 2,885.0  | 3,055.5 | 2,137.5      | 1,583.0 | 2,822.5                    | (3)                        | 1,885.5            | 1,839.5   | 2,019.0 |
| Sex ratio <sup>4</sup> . . . . .               | 1,049                    | 1,045    | 1,045   | 1,032        | 1,071   | 1,051                      | 1,030                      | 1,051              | 1,055     | 1,030   |
| All births                                     |                          |          |         |              |         |                            |                            |                    |           |         |
| Percent  |                          |          |         |              |         |                            |                            |                    |           |         |
| Births to mothers under 20 years . . . . .     | 10.2                     | 14.1     | 14.9    | 17.4         | 7.7     | 8.6                        | 17.1                       | 8.9                | 7.3       | 17.0    |
| 4th- and higher-order births . . . . .         | 11.1                     | 14.0     | 15.2    | 12.3         | 4.9     | 10.7                       | 12.4                       | 10.2               | 9.0       | 15.3    |
| Births to unmarried mothers . . . . .          | 36.9                     | 48.0     | 46.7    | 61.7         | 36.4    | 49.2                       | 48.6                       | 33.4               | 25.3      | 69.9    |
| Mothers born in the 50 states and D.C. . . . . | 75.4                     | 37.0     | 35.4    | 68.6         | 47.9    | 13.2                       | 77.9                       | 87.5               | 94.1      | 87.3    |
| Mean   |                          |          |         |              |         |                            |                            |                    |           |         |
| Age of mother at first birth . . . . .         | 25.2                     | 23.1     | 22.5    | 22.8         | 26.5    | 25.2                       | 23.1                       | 25.7               | 26.2      | 22.7    |

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

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

<sup>3</sup>Rates for Central and South American include other and unknown Hispanic.

<sup>4</sup>Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 16. Live births and observed and seasonally adjusted birth and fertility rates, by month: United States, 2005**

[Rates on an annual basis per 1,000 population for specified month. Birth rates are live births per 1,000 total population. Fertility rates are live births per 1,000 women aged 15–44 years. Monthly populations estimated as of the first of each month]

| Month               | Number    | Observed   |                | Seasonally adjusted <sup>1</sup> |                |
|---------------------|-----------|------------|----------------|----------------------------------|----------------|
|                     |           | Birth rate | Fertility rate | Birth rate                       | Fertility rate |
| Total . . . . .     | 4,138,349 | 14.0       | 66.7           | ...                              | ...            |
| January . . . . .   | 331,478   | 13.2       | 62.9           | 13.9                             | 65.9           |
| February . . . . .  | 309,620   | 13.7       | 65.1           | 14.0                             | 66.5           |
| March . . . . .     | 349,321   | 13.9       | 66.3           | 14.1                             | 67.2           |
| April . . . . .     | 332,477   | 13.7       | 65.2           | 13.9                             | 66.3           |
| May . . . . .       | 346,276   | 13.8       | 65.7           | 14.0                             | 66.6           |
| June . . . . .      | 350,879   | 14.4       | 68.8           | 14.2                             | 68.5           |
| July . . . . .      | 357,053   | 14.2       | 67.7           | 13.7                             | 65.2           |
| August . . . . .    | 369,316   | 14.7       | 70.1           | 14.1                             | 67.6           |
| September . . . . . | 363,369   | 14.9       | 71.2           | 14.1                             | 67.2           |
| October . . . . .   | 344,639   | 13.7       | 65.4           | 13.6                             | 65.0           |
| November . . . . .  | 335,667   | 13.7       | 65.8           | 14.0                             | 67.1           |
| December . . . . .  | 348,254   | 13.8       | 66.1           | 14.0                             | 67.2           |

... Category not applicable.

<sup>1</sup>The method of seasonal adjustment, developed by the U.S. Census Bureau, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

**Table 17. Live births by day of week and index of occurrence by method of delivery: United States, 2005**

| Day of week<br>and race of mother | Average number<br>of births | Index of occurrence <sup>1</sup> |                    |          |
|-----------------------------------|-----------------------------|----------------------------------|--------------------|----------|
|                                   |                             | Total <sup>2</sup>               | Method of delivery |          |
|                                   |                             |                                  | Vaginal            | Cesarean |
| Total . . . . .                   | 11,338                      | 100.0                            | 100.0              | 100.0    |
| Sunday . . . . .                  | 7,374                       | 65.0                             | 73.0               | 47.0     |
| Monday . . . . .                  | 11,704                      | 103.2                            | 100.7              | 108.9    |
| Tuesday . . . . .                 | 13,169                      | 116.2                            | 112.6              | 124.2    |
| Wednesday . . . . .               | 13,038                      | 115.0                            | 112.2              | 121.3    |
| Thursday . . . . .                | 13,013                      | 114.8                            | 112.0              | 121.0    |
| Friday . . . . .                  | 12,664                      | 111.7                            | 107.2              | 121.8    |
| Saturday . . . . .                | 8,459                       | 74.6                             | 82.5               | 56.6     |

<sup>1</sup>Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

<sup>2</sup>Includes method of delivery not stated.



**Table 18. Number, birth rate, and percentage of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2005**

| Measure and age of mother                         | All races <sup>1</sup> | White              |              | Black              |              | American Indian or Alaska Native <sup>2</sup> | Asian or Pacific Islander <sup>2</sup> | Hispanic <sup>3</sup> |
|---|------------------------|--------------------|--------------|--------------------|--------------|---|--|-----------------------|
|   |                        | Total <sup>2</sup> | Non-Hispanic | Total <sup>2</sup> | Non-Hispanic |   |  |                       |
| Number  |                        |                    |              |                    |              |   |  |                       |
| All ages . . . . .                                | 1,527,034              | 1,022,560          | 577,617      | 438,614            | 407,756      | 28,461  | 37,399                                 | 472,649               |
| Under 15 years . . . . .                          | 6,590                  | 3,520              | 1,304        | 2,833              | 2,694        | 136   | 101                                    | 2,365                 |
| 15–19 years . . . . .                             | 345,413                | 232,747            | 130,155      | 99,904             | 93,604       | 6,996   | 5,766                                  | 108,457               |
| 15 years . . . . .                                | 17,458                 | 10,846             | 4,469        | 5,961              | 5,588        | 389   | 262                                    | 6,728                 |
| 16 years . . . . .                                | 37,936                 | 24,971             | 11,598       | 11,486             | 10,752       | 858   | 621                                    | 14,070                |
| 17 years . . . . .                                | 65,718                 | 44,533             | 23,080       | 18,767             | 17,515       | 1,357   | 1,061                                  | 22,638                |
| 18 years . . . . .                                | 97,363                 | 66,126             | 37,978       | 27,680             | 25,855       | 1,923   | 1,634                                  | 29,846                |
| 19 years . . . . .                                | 126,938                | 86,271             | 53,030       | 36,010             | 33,894       | 2,469   | 2,188                                  | 35,175                |
| 20–24 years . . . . .                             | 584,792                | 393,403            | 237,500      | 168,183            | 157,361      | 10,885  | 12,321                                 | 165,600               |
| 25–29 years . . . . .                             | 331,820                | 219,861            | 118,275      | 96,528             | 89,079       | 5,982   | 9,449                                  | 108,316               |
| 30–34 years . . . . .                             | 161,752                | 107,832            | 53,759       | 45,111             | 41,219       | 2,888   | 5,921                                  | 57,506                |
| 35–39 years . . . . .                             | 75,717                 | 51,046             | 28,030       | 20,506             | 18,688       | 1,236   | 2,929                                  | 24,514                |
| 40 years and over . . . . .                       | 20,950                 | 14,151             | 8,594        | 5,549              | 5,111        | 338   | 912                                    | 5,891                 |
| Rate per 1,000 unmarried women in specified group |                        |                    |              |                    |              |   |  |                       |
| 15–44 years <sup>4</sup> . . . . .                | 47.5                   | 43.0               | 30.1         | 67.8               | ---          | ---   | 24.9                                   | 100.3                 |
| 15–19 years . . . . .                             | 34.5                   | 29.9               | 20.9         | 60.6               | ---          | ---   | 13.1                                   | 68.0                  |
| 15–17 years . . . . .                             | 19.7                   | 16.8               | 10.3         | 35.4               | ---          | ---   | 7.3                                    | 42.7                  |
| 18–19 years . . . . .                             | 58.4                   | 50.9               | 37.4         | 101.6              | ---          | ---   | 22.1                                   | 112.4                 |
| 20–24 years . . . . .                             | 74.9                   | 66.6               | 49.1         | 120.7              | ---          | ---   | 29.7                                   | 150.4                 |
| 25–29 years . . . . .                             | 71.1                   | 66.3               | 45.0         | 93.8               | ---          | ---   | 35.1                                   | 153.5                 |
| 30–34 years . . . . .                             | 50.0                   | 49.1               | 31.2         | 54.0               | ---          | ---   | 36.6                                   | 118.1                 |
| 35–39 years . . . . .                             | 24.5                   | 23.8               | 16.0         | 26.1               | ---          | ---   | 24.7                                   | 59.2                  |
| 40–44 years <sup>5</sup> . . . . .                | 6.2                    | 5.8                | 4.2          | 7.1                | ---          | ---   | 9.4                                    | 14.3                  |
| Percent of births to unmarried women              |                        |                    |              |                    |              |   |  |                       |
| All ages . . . . .                                | 36.9                   | 31.7               | 25.3         | 69.3               | 69.9         | 63.5  | 16.2                                   | 48.0                  |
| Under 15 years . . . . .                          | 98.0                   | 96.6               | 98.0         | 99.9               | 99.9         | 100.0   | 97.1                                   | 95.9                  |
| 15–19 years . . . . .                             | 83.3                   | 78.8               | 78.9         | 96.1               | 96.7         | 89.6  | 75.7                                   | 79.2                  |
| 15 years . . . . .                                | 95.7                   | 93.7               | 95.0         | 99.5               | 99.8         | 97.0  | 92.9                                   | 92.9                  |
| 16 years . . . . .                                | 92.4                   | 89.6               | 91.5         | 99.0               | 99.3         | 96.0  | 88.1                                   | 88.3                  |
| 17 years . . . . .                                | 89.0                   | 85.5               | 87.1         | 98.2               | 98.7         | 92.9  | 85.4                                   | 84.2                  |
| 18 years . . . . .                                | 83.6                   | 79.2               | 80.2         | 96.5               | 97.1         | 89.8  | 75.7                                   | 78.4                  |
| 19 years . . . . .                                | 77.0                   | 71.7               | 71.8         | 93.5               | 94.1         | 84.8  | 67.8                                   | 72.1                  |
| 20–24 years . . . . .                             | 56.2                   | 49.8               | 46.1         | 82.6               | 83.4         | 71.0  | 39.9                                   | 57.5                  |
| 25–29 years . . . . .                             | 29.3                   | 24.4               | 18.4         | 61.8               | 62.3         | 53.5  | 14.6                                   | 40.6                  |
| 30–34 years . . . . .                             | 17.0                   | 14.1               | 9.2          | 44.7               | 44.6         | 43.6  | 7.4                                    | 30.9                  |
| 35–39 years . . . . .                             | 15.7                   | 13.1               | 9.2          | 39.7               | 39.4         | 41.6  | 7.5                                    | 28.6                  |
| 40 years and over . . . . .                       | 18.8                   | 16.1               | 12.5         | 39.8               | 39.5         | 44.5  | 10.6                                   | 30.2                  |

--- Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Birth rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.<sup>5</sup>Birth rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.

NOTES: For 48 states and the District of Columbia, marital status is reported in the birth registration process; for Michigan and New York, mother's marital status is inferred; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary populations are not available.

**Table 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2005, and by age, race, and Hispanic origin of mother: United States, 1980–2005**

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

| Year and race<br>and Hispanic origin | Age of mother               |             |                |                |                |                |                |                |                             |
|--------------------------------------|-----------------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|                                      | 15–44<br>years <sup>1</sup> | 15–19 years |                |                | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years <sup>2</sup> |
|                                      |                             | Total       | 15–17<br>years | 18–19<br>years |                |                |                |                |                             |
| <b>All races<sup>3</sup></b>         |                             |             |                |                |                |                |                |                |                             |
| 2005 <sup>4</sup>                    | 47.5                        | 34.5        | 19.7           | 58.4           | 74.9           | 71.1           | 50.0           | 24.5           | 6.2                         |
| 2004 <sup>4</sup>                    | 46.1                        | 34.7        | 20.1           | 57.7           | 72.5           | 68.6           | 47.0           | 23.5           | 6.0                         |
| 2003 <sup>4</sup>                    | 44.9                        | 34.8        | 20.3           | 57.6           | 71.2           | 65.7           | 44.0           | 22.3           | 5.8                         |
| 2002 <sup>4</sup>                    | 43.7                        | 35.4        | 20.8           | 58.6           | 70.5           | 61.5           | 40.8           | 20.8           | 5.4                         |
| 2001 <sup>4</sup>                    | 43.8                        | 37.0        | 22.0           | 60.6           | 71.3           | 59.5           | 40.4           | 20.4           | 5.3                         |
| 2000 <sup>4</sup>                    | 44.1                        | 39.0        | 23.9           | 62.2           | 72.2           | 58.5           | 39.3           | 19.7           | 5.0                         |
| 1999 <sup>4</sup>                    | 43.3                        | 39.7        | 25.0           | 62.3           | 70.8           | 56.9           | 38.1           | 19.0           | 4.6                         |
| 1998 <sup>4</sup>                    | 43.3                        | 40.9        | 26.5           | 63.6           | 70.4           | 55.4           | 38.1           | 18.7           | 4.6                         |
| 1997 <sup>4</sup>                    | 42.9                        | 41.4        | 27.7           | 63.9           | 68.9           | 53.4           | 37.9           | 18.7           | 4.6                         |
| 1996 <sup>4</sup>                    | 43.8                        | 42.2        | 28.5           | 64.9           | 68.9           | 54.5           | 40.2           | 19.9           | 4.8                         |
| 1995 <sup>4</sup>                    | 44.3                        | 43.8        | 30.1           | 66.5           | 68.7           | 54.3           | 38.9           | 19.3           | 4.7                         |
| 1994 <sup>4</sup>                    | 46.2                        | 45.8        | 31.7           | 69.1           | 70.9           | 57.4           | 39.6           | 19.7           | 4.7                         |
| 1993 <sup>4</sup>                    | 44.8                        | 44.0        | 30.3           | 66.2           | 68.5           | 55.9           | 38.0           | 18.9           | 4.4                         |
| 1992 <sup>4</sup>                    | 44.9                        | 44.2        | 30.2           | 66.7           | 67.9           | 55.6           | 37.6           | 18.8           | 4.1                         |
| 1991 <sup>4</sup>                    | 45.0                        | 44.6        | 30.8           | 65.4           | 67.8           | 56.0           | 37.9           | 17.9           | 3.8                         |
| 1990 <sup>4</sup>                    | 43.8                        | 42.5        | 29.6           | 60.7           | 65.1           | 56.0           | 37.6           | 17.3           | 3.6                         |
| 1989 <sup>4</sup>                    | 41.6                        | 40.1        | 28.7           | 56.0           | 61.2           | 52.8           | 34.9           | 16.0           | 3.4                         |
| 1988 <sup>4</sup>                    | 38.5                        | 36.4        | 26.4           | 51.5           | 56.0           | 48.5           | 32.0           | 15.0           | 3.2                         |
| 1987 <sup>4</sup>                    | 36.0                        | 33.8        | 24.5           | 48.9           | 52.6           | 44.5           | 29.6           | 13.5           | 2.9                         |
| 1986 <sup>4</sup>                    | 34.2                        | 32.3        | 22.8           | 48.0           | 49.3           | 42.2           | 27.2           | 12.2           | 2.7                         |
| 1985 <sup>4</sup>                    | 32.8                        | 31.4        | 22.4           | 45.9           | 46.5           | 39.9           | 25.2           | 11.6           | 2.5                         |
| 1984 <sup>4,5</sup>                  | 31.0                        | 30.0        | 21.9           | 42.5           | 43.0           | 37.1           | 23.3           | 10.9           | 2.5                         |
| 1983 <sup>4,5</sup>                  | 30.3                        | 29.5        | 22.0           | 40.7           | 41.8           | 35.5           | 22.4           | 10.2           | 2.6                         |
| 1982 <sup>4,5</sup>                  | 30.0                        | 28.7        | 21.5           | 39.6           | 41.5           | 35.1           | 21.9           | 10.0           | 2.7                         |
| 1981 <sup>4,5</sup>                  | 29.5                        | 27.9        | 20.9           | 39.0           | 41.1           | 34.5           | 20.8           | 9.8            | 2.6                         |
| 1980 <sup>4,5</sup>                  | 29.4                        | 27.6        | 20.6           | 39.0           | 40.9           | 34.0           | 21.1           | 9.7            | 2.6                         |
| 1980 <sup>5,6</sup>                  | 28.4                        | 27.5        | 20.7           | 38.7           | 39.7           | 31.4           | 18.5           | 8.4            | 2.3                         |
| 1975 <sup>5,6</sup>                  | 24.5                        | 23.9        | 19.3           | 32.5           | 31.2           | 27.5           | 17.9           | 9.1            | 2.6                         |
| 1970 <sup>6,7</sup>                  | 26.4                        | 22.4        | 17.1           | 32.9           | 38.4           | 37.0           | 27.1           | 13.6           | 3.5                         |
| <b>White total</b>                   |                             |             |                |                |                |                |                |                |                             |
| 2005 <sup>4</sup>                    | 43.0                        | 29.9        | 16.8           | 50.9           | 66.6           | 66.3           | 49.1           | 23.8           | 5.8                         |
| 2004 <sup>4</sup>                    | 41.6                        | 30.1        | 17.1           | 50.4           | 64.1           | 63.9           | 45.7           | 22.6           | 5.6                         |
| 2003 <sup>4</sup>                    | 40.4                        | 30.1        | 17.2           | 50.4           | 63.0           | 60.8           | 42.0           | 21.2           | 5.5                         |
| 2002 <sup>4</sup>                    | 38.9                        | 30.4        | 17.5           | 51.0           | 61.6           | 56.8           | 38.3           | 19.4           | 5.0                         |
| 2001 <sup>4</sup>                    | 38.5                        | 31.3        | 18.1           | 52.1           | 61.8           | 54.6           | 37.2           | 18.6           | 4.9                         |
| 2000 <sup>4</sup>                    | 38.2                        | 32.7        | 19.7           | 53.1           | 61.7           | 52.9           | 35.9           | 17.9           | 4.5                         |
| 1999 <sup>4</sup>                    | 37.4                        | 33.2        | 20.6           | 52.9           | 60.2           | 50.8           | 34.9           | 17.4           | 4.1                         |
| 1998 <sup>4</sup>                    | 36.9                        | 33.6        | 21.5           | 53.1           | 59.5           | 48.6           | 34.1           | 16.9           | 4.1                         |
| 1997 <sup>4</sup>                    | 36.3                        | 33.6        | 22.0           | 52.9           | 57.9           | 47.0           | 33.6           | 16.6           | 3.9                         |
| 1996 <sup>4</sup>                    | 37.0                        | 34.0        | 22.3           | 53.5           | 57.9           | 48.1           | 35.4           | 17.7           | 4.3                         |
| 1995 <sup>4</sup>                    | 37.0                        | 35.0        | 23.3           | 54.7           | 57.2           | 47.4           | 33.7           | 16.8           | 4.2                         |
| 1994 <sup>4</sup>                    | 37.8                        | 35.8        | 23.9           | 55.8           | 57.5           | 48.6           | 33.8           | 17.2           | 4.3                         |
| 1993 <sup>4</sup>                    | 35.6                        | 33.3        | 21.9           | 52.0           | 53.8           | 46.0           | 31.9           | 16.3           | 3.9                         |
| 1992 <sup>4</sup>                    | 35.0                        | 32.7        | 21.4           | 51.2           | 52.4           | 44.8           | 31.3           | 16.1           | 3.6                         |
| 1991 <sup>4</sup>                    | 34.5                        | 32.7        | 21.7           | 49.4           | 51.4           | 44.3           | 30.9           | 15.2           | 3.2                         |
| 1990 <sup>4</sup>                    | 32.9                        | 30.6        | 20.4           | 44.9           | 48.2           | 43.0           | 29.9           | 14.5           | 3.2                         |
| 1989 <sup>4</sup>                    | 30.2                        | 28.0        | 19.3           | 40.2           | 43.8           | 39.1           | 26.8           | 13.1           | 2.9                         |
| 1988 <sup>4</sup>                    | 27.4                        | 25.3        | 17.6           | 36.8           | 39.2           | 35.4           | 24.2           | 12.1           | 2.7                         |
| 1987 <sup>4</sup>                    | 25.3                        | 23.2        | 16.2           | 34.5           | 36.6           | 32.0           | 22.3           | 10.7           | 2.4                         |
| 1986 <sup>4</sup>                    | 23.9                        | 21.8        | 14.9           | 33.5           | 34.2           | 30.5           | 20.1           | 9.7            | 2.2                         |
| 1985 <sup>4</sup>                    | 22.5                        | 20.8        | 14.5           | 31.2           | 31.7           | 28.5           | 18.4           | 9.0            | 2.0                         |
| 1984 <sup>4,5</sup>                  | 20.6                        | 19.3        | 13.7           | 27.9           | 28.5           | 25.5           | 16.8           | 8.4            | 2.0                         |
| 1983 <sup>4,5</sup>                  | 19.8                        | 18.7        | 13.6           | 26.4           | 27.1           | 23.8           | 15.9           | 7.8            | 2.0                         |
| 1982 <sup>4,5</sup>                  | 19.3                        | 18.0        | 13.1           | 25.3           | 26.5           | 23.1           | 15.3           | 7.4            | 2.1                         |
| 1981 <sup>4,5</sup>                  | 18.6                        | 17.2        | 12.6           | 24.6           | 25.8           | 22.3           | 14.2           | 7.2            | 1.9                         |
| 1980 <sup>4,5</sup>                  | 18.1                        | 16.5        | 12.0           | 24.1           | 25.1           | 21.5           | 14.1           | 7.1            | 1.8                         |

See footnotes at end of table.

**Table 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2005, and by age, race, and Hispanic origin of mother: United States, 1980–2005—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<br>and Hispanic origin   | Age of mother               |             |                |                |                |                |                |                |                             |
|--|-----------------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|  | 15–44<br>years <sup>1</sup> | 15–19 years |                |                | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years <sup>2</sup> |
|  |                             | Total       | 15–17<br>years | 18–19<br>years |                |                |                |                |                             |
| <b>Non-Hispanic white</b>              |                             |             |                |                |                |                |                |                |                             |
| 2005 <sup>4</sup>                      | 30.1                        | 20.9        | 10.3           | 37.4           | 49.1           | 45.0           | 31.2           | 16.0           | 4.2                         |
| 2004 <sup>4</sup>                      | 29.4                        | 21.2        | 10.7           | 37.5           | 48.0           | 43.3           | 29.6           | 15.6           | 4.1                         |
| 2003 <sup>4</sup>                      | 28.6                        | 21.5        | 11.0           | 37.9           | 47.2           | 40.8           | 27.8           | 14.7           | 4.1                         |
| 2002 <sup>4</sup>                      | 27.8                        | 22.1        | 11.5           | 38.8           | 46.1           | 38.5           | 26.0           | 13.5           | 3.7                         |
| 2001 <sup>4</sup>                      | 27.8                        | 23.1        | 12.1           | 40.3           | 46.4           | 37.5           | 25.4           | 13.2           | 3.6                         |
| 2000 <sup>4</sup>                      | 28.0                        | 24.7        | 13.6           | 42.1           | 47.0           | 36.9           | 24.8           | 12.9           | 3.3                         |
| 1999 <sup>4</sup>                      | 27.9                        | 25.6        | 14.6           | 42.7           | 46.3           | 36.2           | 24.8           | 13.0           | 3.1                         |
| 1998 <sup>4</sup>                      | 27.9                        | 26.2        | 15.5           | 43.1           | 46.3           | 35.4           | 25.0           | 13.1           | 3.1                         |
| 1997 <sup>4</sup>                      | 27.5                        | 26.4        | 16.2           | 43.3           | 44.8           | 34.4           | 24.9           | 12.7           | 2.9                         |
| 1996 <sup>4</sup>                      | 28.2                        | 27.0        | 16.9           | 43.9           | 44.5           | 35.0           | 26.4           | 13.8           | 3.3                         |
| 1995 <sup>4</sup>                      | 28.1                        | 27.7        | 17.6           | 44.6           | 43.9           | 34.4           | 25.1           | 12.9           | 3.2                         |
| 1994 <sup>4</sup>                      | 28.4                        | 28.1        | 17.9           | 45.0           | 43.8           | 34.7           | 24.6           | 12.8           | 3.1                         |
| 1993 <sup>4</sup>                      | ---                         | ---         | ---            | ---            | ---            | ---            | ---            | ---            | ---                         |
| 1992 <sup>4</sup>                      | ---                         | ---         | ---            | ---            | ---            | ---            | ---            | ---            | ---                         |
| 1991 <sup>4</sup>                      | ---                         | ---         | ---            | ---            | ---            | ---            | ---            | ---            | ---                         |
| 1990 <sup>4,8</sup>                    | 24.4                        | 25.0        | 16.2           | 37.0           | 36.4           | 30.3           | 20.5           | 6.1            | ---                         |
| <b>Black total</b>                     |                             |             |                |                |                |                |                |                |                             |
| 2005 <sup>4</sup>                      | 67.8                        | 60.6        | 35.4           | 101.6          | 120.7          | 93.8           | 54.0           | 26.1           | 7.1                         |
| 2004 <sup>4</sup>                      | 67.2                        | 61.7        | 37.0           | 100.9          | 119.8          | 91.8           | 52.0           | 25.8           | 6.8                         |
| 2003 <sup>4</sup>                      | 66.3                        | 62.2        | 38.1           | 100.4          | 118.0          | 90.4           | 51.2           | 25.3           | 6.5                         |
| 2002 <sup>4</sup>                      | 66.2                        | 64.8        | 39.9           | 104.1          | 119.2          | 85.9           | 49.9           | 24.9           | 6.3                         |
| 2001 <sup>4</sup>                      | 68.1                        | 69.9        | 43.8           | 110.2          | 122.8          | 84.1           | 51.1           | 25.4           | 6.3                         |
| 2000 <sup>4</sup>                      | 70.5                        | 75.0        | 48.3           | 115.0          | 129.0          | 85.9           | 50.2           | 25.4           | 6.3                         |
| 1999 <sup>4</sup>                      | 69.7                        | 76.5        | 50.0           | 115.8          | 126.8          | 85.5           | 49.0           | 24.2           | 5.8                         |
| 1998 <sup>4</sup>                      | 71.6                        | 81.5        | 55.0           | 121.5          | 127.8          | 86.5           | 50.5           | 24.3           | 6.0                         |
| 1997 <sup>4</sup>                      | 71.5                        | 84.5        | 59.0           | 124.8          | 124.2          | 81.4           | 51.0           | 24.3           | 6.5                         |
| 1996 <sup>4</sup>                      | 72.8                        | 87.5        | 62.6           | 127.2          | 122.6          | 81.2           | 53.4           | 25.2           | 6.1                         |
| 1995 <sup>4</sup>                      | 74.5                        | 91.2        | 67.4           | 129.2          | 124.6          | 82.3           | 53.3           | 25.3           | 6.0                         |
| 1994 <sup>4</sup>                      | 80.8                        | 99.3        | 73.9           | 139.6          | 135.2          | 91.3           | 56.5           | 26.0           | 5.9                         |
| 1993 <sup>4</sup>                      | 83.0                        | 101.2       | 75.9           | 140.0          | 139.9          | 92.8           | 56.7           | 25.7           | 5.8                         |
| 1992 <sup>4</sup>                      | 85.7                        | 104.8       | 77.2           | 146.4          | 142.6          | 96.8           | 57.3           | 25.6           | 5.4                         |
| 1991 <sup>4</sup>                      | 89.0                        | 107.8       | 79.9           | 147.7          | 146.4          | 100.0          | 59.8           | 25.5           | 5.4                         |
| 1990 <sup>4</sup>                      | 90.5                        | 106.0       | 78.8           | 143.7          | 144.8          | 105.3          | 61.5           | 25.5           | 5.1                         |
| 1989 <sup>4</sup>                      | 90.7                        | 104.5       | 78.9           | 140.9          | 142.4          | 102.9          | 60.5           | 24.9           | 5.0                         |
| 1988 <sup>4</sup>                      | 86.5                        | 96.1        | 73.5           | 130.5          | 133.6          | 97.2           | 57.4           | 24.1           | 5.0                         |
| 1987 <sup>4</sup>                      | 82.6                        | 90.9        | 69.9           | 123.0          | 126.1          | 91.6           | 53.1           | 22.4           | 4.7                         |
| 1986 <sup>4</sup>                      | 79.0                        | 88.5        | 67.0           | 121.1          | 118.0          | 84.6           | 50.0           | 20.6           | 4.4                         |
| 1985 <sup>4</sup>                      | 77.0                        | 87.6        | 66.8           | 117.9          | 113.1          | 79.3           | 47.5           | 20.4           | 4.3                         |
| 1984 <sup>4,5</sup>                    | 75.2                        | 86.1        | 66.5           | 113.6          | 107.9          | 77.8           | 43.8           | 19.4           | 4.3                         |
| 1983 <sup>4,5</sup>                    | 76.2                        | 85.5        | 66.8           | 111.9          | 107.2          | 79.7           | 43.8           | 19.4           | 4.8                         |
| 1982 <sup>4,5</sup>                    | 77.9                        | 85.1        | 66.3           | 112.7          | 109.3          | 82.7           | 44.1           | 19.5           | 5.2                         |
| 1981 <sup>4,5</sup>                    | 79.4                        | 85.0        | 65.9           | 114.2          | 110.7          | 83.1           | 45.5           | 19.6           | 5.6                         |
| 1980 <sup>4,5</sup>                    | 81.1                        | 87.9        | 68.8           | 118.2          | 112.3          | 81.4           | 46.7           | 19.0           | 5.5                         |
| <b>Asian or Pacific Islander total</b> |                             |             |                |                |                |                |                |                |                             |
| 2005 <sup>4</sup>                      | 24.9                        | 13.1        | 7.3            | 22.1           | 29.7           | 35.1           | 36.6           | 24.7           | 9.4                         |
| 2004 <sup>4</sup>                      | 23.6                        | 13.3        | 7.7            | 21.6           | 27.9           | 33.2           | 35.4           | 20.7           | 8.6                         |
| 2003 <sup>4</sup>                      | 22.2                        | 13.1        | 7.5            | 21.4           | 26.6           | 30.7           | 31.5           | 19.8           | 7.9                         |
| 2002 <sup>4</sup>                      | 21.3                        | 13.4        | 7.5            | 22.2           | 26.5           | 27.5           | 28.6           | 18.7           | 6.8                         |
| 2001 <sup>4</sup>                      | 21.2                        | 14.6        | 8.7            | 23.0           | 25.2           | 26.7           | 29.4           | 19.7           | 6.3                         |
| 2000 <sup>4</sup>                      | 20.9                        | 15.2        | 9.6            | 23.2           | 24.2           | 25.4           | 29.7           | 18.4           | 6.9                         |

See footnotes at end of table.

**Table 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2005, and by age, race, and Hispanic origin of mother: United States, 1980–2005—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<br>and Hispanic origin | Age of mother               |             |                |                |                |                |                |                |                             |
|--------------------------------------|-----------------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
|                                      | 15–44<br>years <sup>1</sup> | 15–19 years |                |                | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years <sup>2</sup> |
|                                      |                             | Total       | 15–17<br>years | 18–19<br>years |                |                |                |                |                             |
| Hispanic <sup>9</sup>                |                             |             |                |                |                |                |                |                |                             |
| 2005 <sup>4</sup> . . . . .          | 100.3                       | 68.0        | 42.7           | 112.4          | 150.4          | 153.5          | 118.1          | 59.2           | 14.3                        |
| 2004 <sup>4</sup> . . . . .          | 95.7                        | 67.9        | 43.3           | 110.1          | 138.6          | 143.4          | 109.6          | 56.8           | 13.8                        |
| 2003 <sup>4</sup> . . . . .          | 92.2                        | 66.6        | 43.0           | 107.0          | 133.7          | 136.0          | 99.2           | 54.7           | 13.3                        |
| 2002 <sup>4</sup> . . . . .          | 87.9                        | 66.1        | 43.0           | 105.3          | 131.4          | 123.1          | 88.1           | 51.3           | 12.6                        |
| 2001 <sup>4</sup> . . . . .          | 87.8                        | 67.1        | 44.2           | 104.3          | 132.3          | 120.7          | 91.4           | 49.7           | 12.2                        |
| 2000 <sup>4</sup> . . . . .          | 87.3                        | 68.5        | 47.0           | 102.2          | 130.5          | 121.6          | 89.4           | 46.1           | 12.2                        |
| 1999 <sup>4</sup> . . . . .          | 84.9                        | 68.6        | 48.7           | 99.9           | 126.1          | 119.6          | 84.2           | 42.4           | 11.2                        |
| 1998 <sup>4</sup> . . . . .          | 82.8                        | 69.3        | 49.8           | 101.2          | 120.6          | 115.9          | 78.2           | 38.8           | 12.0                        |
| 1997 <sup>4</sup> . . . . .          | 83.2                        | 69.2        | 50.7           | 100.6          | 122.8          | 114.8          | 78.8           | 40.5           | 12.1                        |
| 1996 <sup>4</sup> . . . . .          | 86.2                        | 69.3        | 49.7           | 102.3          | 131.6          | 122.0          | 84.6           | 41.2           | 12.3                        |
| 1995 <sup>4</sup> . . . . .          | 88.8                        | 73.2        | 52.8           | 108.6          | 135.8          | 122.3          | 84.1           | 42.2           | 12.1                        |
| 1994 <sup>4</sup> . . . . .          | 95.8                        | 77.7        | 55.7           | 115.4          | 144.5          | 131.7          | 91.2           | 47.4           | 13.9                        |
| 1993 <sup>4</sup> . . . . .          | 91.4                        | 71.1        | 49.6           | 108.8          | 134.3          | 130.4          | 87.8           | 47.1           | 14.1                        |
| 1992 <sup>4</sup> . . . . .          | 92.8                        | 70.3        | 49.2           | 106.6          | 138.2          | 133.4          | 89.9           | 47.8           | 14.6                        |
| 1991 <sup>4</sup> . . . . .          | 92.5                        | 71.0        | 49.5           | 107.5          | 134.2          | 135.1          | 88.2           | 47.6           | 14.1                        |
| 1990 <sup>4,8</sup> . . . . .        | 89.6                        | 65.9        | 45.9           | 98.9           | 129.8          | 131.7          | 88.1           | 50.8           | 13.7                        |

--- Data not available.

<sup>1</sup>Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.<sup>2</sup>Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.<sup>3</sup>Includes races other than white, black, and Asian or Pacific Islander.<sup>4</sup>Data for states in which marital status was not reported have been inferred and included with data from the remaining states; see "Technical Notes."<sup>5</sup>Based on 100 percent of births in selected states and on a 50-percent sample of births in all other states; see "Technical Notes."<sup>6</sup>Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see "Technical Notes."<sup>7</sup>Based on a 50-percent sample of births.<sup>8</sup>Rates for 1990 based on data for 48 states and the District of Columbia that reported Hispanic origin on the birth certificate. Rate shown for 1990 for ages 35–39 years are based on births to unmarried women aged 35–44 years.<sup>9</sup>Includes all persons of Hispanic origin of any race.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. Nineteen states reported multiple-race data for 2005. The multiple-race data are bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary populations are not available.

**Table 20. Number and percentage of births to unmarried women, by race and Hispanic origin of mother: United States, each state and territory, 2005**

[By place of residence]

| State                      | Births to unmarried women |                    |                    |                       | Percent unmarried      |                    |                    |                       |
|----------------------------|---------------------------|--------------------|--------------------|-----------------------|------------------------|--------------------|--------------------|-----------------------|
|                            | All races <sup>1</sup>    | Non-Hispanic       |                    | Hispanic <sup>3</sup> | All races <sup>1</sup> | Non-Hispanic       |                    | Hispanic <sup>3</sup> |
|                            |                           | White <sup>2</sup> | Black <sup>2</sup> |                       |                        | White <sup>2</sup> | Black <sup>2</sup> |                       |
| United States <sup>4</sup> | 1,527,034                 | 577,617            | 407,756            | 472,649               | 36.9                   | 25.3               | 69.9               | 48.0                  |
| Alabama                    | 21,579                    | 7,813              | 12,717             | 863                   | 35.7                   | 20.9               | 70.4               | 21.5                  |
| Alaska                     | 3,768                     | 1,392              | 194                | 294                   | 36.0                   | 23.4               | 51.9               | 37.7                  |
| Arizona                    | 41,442                    | 10,599             | 1,843              | 23,327                | 43.1                   | 26.5               | 61.0               | 54.4                  |
| Arkansas                   | 15,768                    | 7,978              | 5,709              | 1,799                 | 40.2                   | 29.9               | 77.1               | 44.6                  |
| California                 | 195,982                   | 33,960             | 19,518             | 129,641               | 35.7                   | 21.3               | 64.0               | 45.8                  |
| Colorado                   | 18,657                    | 7,578              | 1,555              | 8,979                 | 27.1                   | 18.3               | 52.6               | 41.2                  |
| Connecticut                | 13,425                    | 4,909              | 3,286              | 5,009                 | 32.2                   | 18.6               | 67.4               | 62.6                  |
| Delaware                   | 5,156                     | 1,963              | 2,029              | 1,025                 | 44.3                   | 30.3               | 70.6               | 62.0                  |
| District of Columbia       | 4,464                     | 121                | 3,556              | 750                   | 56.0                   | 5.9                | 77.2               | 67.5                  |
| Florida                    | 96,809                    | 33,558             | 32,992             | 28,797                | 42.8                   | 31.5               | 68.4               | 45.2                  |
| Georgia                    | 57,707                    | 15,989             | 30,440             | 10,256                | 40.6                   | 23.5               | 67.2               | 46.9                  |
| Hawaii                     | 6,504                     | 1,030              | 111                | 1,321                 | 36.3                   | 24.6               | 27.1               | 47.4                  |
| Idaho                      | 5,290                     | 3,641              | 32                 | 1,322                 | 22.9                   | 19.5               | 26.7               | 37.9                  |
| Illinois                   | 66,333                    | 21,513             | 23,754             | 20,271                | 37.1                   | 22.5               | 78.1               | 46.7                  |
| Indiana                    | 35,009                    | 22,647             | 7,622              | 4,376                 | 40.2                   | 33.6               | 77.8               | 54.4                  |
| Iowa                       | 12,775                    | 9,832              | 1,081              | 1,481                 | 32.5                   | 29.4               | 73.1               | 47.5                  |
| Kansas                     | 13,647                    | 8,192              | 2,041              | 2,986                 | 34.2                   | 28.0               | 72.4               | 48.8                  |
| Kentucky                   | 20,049                    | 15,055             | 3,597              | 1,242                 | 35.5                   | 31.2               | 74.3               | 49.5                  |
| Louisiana                  | 29,230                    | 9,746              | 18,390             | 711                   | 48.0                   | 29.0               | 76.7               | 37.5                  |
| Maine                      | 4,941                     | 4,659              | 91                 | 78                    | 35.0                   | 35.0               | 35.5               | 43.1                  |
| Maryland                   | 27,807                    | 8,283              | 14,581             | 4,445                 | 37.1                   | 22.3               | 60.0               | 51.2                  |
| Massachusetts              | 23,182                    | 11,750             | 3,941              | 6,457                 | 30.2                   | 21.8               | 58.4               | 63.8                  |
| Michigan                   | 46,750                    | 23,943             | 16,744             | 4,006                 | 36.6                   | 27.1               | 75.7               | 46.5                  |
| Minnesota                  | 21,106                    | 12,256             | 3,442              | 2,803                 | 29.8                   | 23.1               | 59.4               | 50.9                  |
| Mississippi                | 20,964                    | 5,737              | 14,357             | 590                   | 49.4                   | 26.2               | 77.1               | 50.4                  |
| Missouri                   | 29,712                    | 18,339             | 8,826              | 2,071                 | 37.8                   | 30.2               | 76.9               | 48.5                  |
| Montana                    | 4,002                     | 2,603              | 25                 | 173                   | 34.6                   | 28.0               | 43.1               | 43.7                  |
| Nebraska                   | 8,077                     | 4,802              | 1,061              | 1,817                 | 30.9                   | 24.3               | 69.7               | 47.1                  |
| Nevada                     | 15,232                    | 4,959              | 2,085              | 6,923                 | 40.9                   | 30.0               | 69.5               | 49.1                  |
| New Hampshire              | 3,939                     | 3,498              | 70                 | 245                   | 27.3                   | 27.1               | 37.4               | 46.9                  |
| New Jersey                 | 35,780                    | 8,424              | 11,084             | 15,590                | 31.4                   | 14.5               | 66.3               | 55.8                  |
| New Mexico                 | 14,642                    | 2,581              | 279                | 8,963                 | 50.8                   | 30.4               | 57.9               | 56.6                  |
| New York                   | 95,410                    | 26,651             | 28,390             | 36,092                | 38.7                   | 21.3               | 67.8               | 62.9                  |
| North Carolina             | 47,300                    | 16,150             | 19,474             | 10,131                | 38.4                   | 23.0               | 69.1               | 51.9                  |
| North Dakota               | 2,698                     | 1,713              | 31                 | 63                    | 32.2                   | 25.4               | 25.4               | 35.2                  |
| Ohio                       | 57,756                    | 35,989             | 17,205             | 3,407                 | 38.9                   | 31.3               | 76.2               | 56.1                  |
| Oklahoma                   | 20,245                    | 10,632             | 3,464              | 2,897                 | 39.1                   | 31.3               | 73.4               | 46.2                  |
| Oregon                     | 15,276                    | 9,540              | 620                | 4,190                 | 33.3                   | 29.5               | 64.7               | 45.7                  |
| Pennsylvania               | 53,128                    | 28,904             | 15,090             | 7,484                 | 36.5                   | 27.1               | 76.2               | 61.3                  |
| Rhode Island               | 4,892                     | 1,873              | 764                | 1,554                 | 38.5                   | 28.3               | 66.5               | 60.7                  |
| South Carolina             | 24,997                    | 8,645              | 13,853             | 2,230                 | 43.3                   | 26.3               | 74.1               | 44.7                  |
| South Dakota               | 4,147                     | 2,340              | 55                 | 194                   | 36.2                   | 26.2               | 38.5               | 49.5                  |
| Tennessee                  | 32,824                    | 16,550             | 12,372             | 3,530                 | 40.2                   | 29.3               | 75.0               | 50.4                  |
| Texas                      | 145,197                   | 33,419             | 27,253             | 82,611                | 37.6                   | 24.3               | 64.7               | 43.2                  |
| Utah                       | 9,108                     | 5,198              | 193                | 3,041                 | 17.7                   | 12.6               | 44.4               | 40.2                  |
| Vermont                    | 2,033                     | 1,931              | 31                 | 25                    | 32.3                   | 32.4               | 40.8               | 34.7                  |
| Virginia                   | 33,674                    | 12,822             | 14,112             | 6,149                 | 32.2                   | 20.6               | 63.7               | 47.1                  |
| Washington                 | 25,579                    | 13,938             | 1,713              | 6,909                 | 30.9                   | 25.9               | 52.9               | 46.0                  |
| West Virginia              | 7,610                     | 6,949              | 525                | 76                    | 36.5                   | 35.2               | 75.4               | 43.7                  |
| Wisconsin                  | 23,056                    | 13,318             | 5,526              | 3,055                 | 32.5                   | 24.5               | 82.2               | 48.9                  |
| Wyoming                    | 2,376                     | 1,705              | 32                 | 400                   | 32.8                   | 28.6               | 61.5               | 48.3                  |
| Puerto Rico                | 28,555                    | 1,611              | 116                | 26,815                | 56.5                   | 55.1               | 72.5               | 56.5                  |
| Virgin Islands             | 1,138                     | 36                 | 772                | 277                   | 70.9                   | 26.9               | 77.2               | 73.5                  |
| Guam                       | 1,901                     | 40                 | 6                  | 21                    | 59.6                   | 16.1               | *                  | 37.5                  |
| American Samoa             | 587                       | ---                | ---                | ---                   | 34.1                   | ---                | ---                | ---                   |
| Northern Marianas          | 747                       | ---                | ---                | ---                   | 56.0                   | ---                | ---                | ---                   |

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

--- Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 21. Birth rates by age and race of father: United States, 1980–2005**

[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<br>years <sup>1</sup> | 15–19<br>years <sup>2</sup> | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years | 45–49<br>years | 50–54<br>years | 55 years<br>and over |
| All races <sup>3</sup>  |                             |                             |                |                |                |                |                |                |                |                      |
| 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 <sup>4</sup>       | 55.0                        | 17.8                        | 80.7           | 111.4          | 89.9           | 46.0           | 17.8           | 6.3            | 2.4            | 0.4                  |
| 1983 <sup>4</sup>       | 55.1                        | 18.2                        | 82.6           | 113.0          | 89.1           | 45.2           | 17.4           | 6.4            | 2.3            | 0.4                  |
| 1982 <sup>4</sup>       | 56.4                        | 18.6                        | 86.5           | 117.3          | 90.3           | 44.5           | 17.5           | 6.4            | 2.3            | 0.4                  |
| 1981 <sup>4</sup>       | 56.3                        | 18.4                        | 88.4           | 119.1          | 88.7           | 43.3           | 17.0           | 6.2            | 2.3            | 0.4                  |
| 1980 <sup>4</sup>       | 57.0                        | 18.8                        | 92.0           | 123.1          | 91.0           | 42.8           | 17.1           | 6.1            | 2.2            | 0.3                  |
| White                   |                             |                             |                |                |                |                |                |                |                |                      |
| 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 <sup>4</sup>       | 51.8                        | 14.0                        | 74.3           | 108.8          | 87.9           | 43.5           | 16.0           | 5.3            | 1.9            | 0.3                  |
| 1983 <sup>4</sup>       | 52.0                        | 14.4                        | 76.3           | 110.2          | 86.8           | 42.6           | 15.5           | 5.3            | 1.8            | 0.3                  |
| 1982 <sup>4</sup>       | 53.1                        | 14.9                        | 80.1           | 114.2          | 87.5           | 41.7           | 15.6           | 5.3            | 1.9            | 0.3                  |
| 1981 <sup>4</sup>       | 52.9                        | 15.0                        | 81.7           | 115.8          | 85.8           | 40.3           | 15.0           | 5.2            | 1.8            | 0.3                  |
| 1980 <sup>4</sup>       | 53.4                        | 15.4                        | 84.9           | 119.4          | 87.8           | 39.7           | 15.0           | 5.1            | 1.8            | 0.3                  |

See footnotes at end of table.

**Table 21. Birth rates by age and race of father: United States, 1980–2005—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<br>years <sup>1</sup> | 15–19<br>years <sup>2</sup> | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–44<br>years | 45–49<br>years | 50–54<br>years | 55 years<br>and over |
| Black                       |                             |                             |                |                |                |                |                |                |                |                      |
| 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 <sup>4</sup> . . . . . | 76.7                        | 40.9                        | 128.0          | 132.2          | 98.3           | 58.4           | 29.3           | 13.3           | 6.1            | 1.2                  |
| 1983 <sup>4</sup> . . . . . | 77.2                        | 40.7                        | 129.1          | 134.4          | 99.0           | 59.6           | 29.6           | 13.5           | 6.0            | 1.2                  |
| 1982 <sup>4</sup> . . . . . | 79.5                        | 40.3                        | 133.4          | 141.2          | 103.6          | 61.1           | 29.6           | 13.9           | 6.0            | 1.2                  |
| 1981 <sup>4</sup> . . . . . | 80.4                        | 38.9                        | 138.4          | 145.6          | 104.3          | 61.3           | 29.7           | 13.3           | 5.7            | 1.2                  |
| 1980 <sup>4</sup> . . . . . | 83.0                        | 40.1                        | 145.3          | 152.8          | 109.6          | 62.0           | 31.2           | 13.6           | 5.9            | 1.1                  |

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

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

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

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all men (including Hispanic men) are classified only according to their race; see "Technical notes." Age of father was not stated for 14 percent of births in 2005.

**Table 22. Number of live births and percent distribution, by weight gain of mother during pregnancy, according to period of gestation, race, and Hispanic origin of mother: Total of 49 reporting states and the District of Columbia, 2005**

| Period of gestation <sup>1</sup> and race and Hispanic origin of mother | Weight gain during pregnancy |                     |              |              |              |              |              |              |                   |                     |
|---|------------------------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|---------------------|
|   | All births                   | Less than 16 pounds | 16–20 pounds | 21–25 pounds | 26–30 pounds | 31–35 pounds | 36–40 pounds | 41–45 pounds | 46 pounds or more | Not stated          |
| All gestation periods <sup>2</sup>                                      |                              |                     |              |              |              |              |              |              |                   |                     |
|   | Number                       |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 3,589,467                    | 443,454             | 369,024      | 450,359      | 569,903      | 457,238      | 415,240      | 242,280      | 458,047           | 183,922             |
| Non Hispanic white <sup>4</sup>   | 2,120,045                    | 218,632             | 186,346      | 258,886      | 344,988      | 293,641      | 268,035      | 160,389      | 302,017           | 87,111              |
| Non Hispanic black <sup>4</sup>   | 553,239                      | 97,263              | 64,673       | 65,988       | 77,820       | 55,216       | 53,912       | 30,710       | 68,982            | 38,675              |
| Hispanic <sup>5</sup>   | 702,663                      | 104,391             | 95,262       | 95,577       | 110,183      | 80,089       | 69,500       | 38,628       | 67,986            | 41,047              |
| Under 34 weeks  |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 133,938                      | 33,486              | 19,035       | 16,229       | 16,578       | 10,798       | 9,571        | 5,280        | 11,196            | 11,765              |
| Non Hispanic white <sup>4</sup>   | 65,539                       | 13,874              | 8,681        | 8,229        | 8,709        | 6,079        | 5,474        | 3,140        | 6,720             | 4,633               |
| Non Hispanic black <sup>4</sup>   | 36,882                       | 11,437              | 5,412        | 4,016        | 4,019        | 2,287        | 2,195        | 1,096        | 2,507             | 3,913               |
| Hispanic <sup>5</sup>   | 24,804                       | 6,631               | 3,991        | 3,158        | 3,019        | 1,884        | 1,481        | 794          | 1,621             | 2,225               |
| 34–36 weeks   |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 332,612                      | 48,908              | 38,779       | 43,142       | 50,387       | 37,445       | 33,781       | 19,840       | 41,608            | 18,722              |
| Non Hispanic white <sup>4</sup>   | 184,546                      | 22,514              | 18,715       | 23,688       | 28,722       | 22,674       | 20,707       | 12,587       | 26,642            | 8,297               |
| Non Hispanic black <sup>4</sup>   | 65,701                       | 12,896              | 8,543        | 8,110        | 9,057        | 5,980        | 5,752        | 3,184        | 7,480             | 4,699               |
| Hispanic <sup>5</sup>   | 63,995                       | 11,067              | 9,266        | 8,644        | 9,625        | 6,704        | 5,582        | 3,084        | 5,850             | 4,173               |
| 37–39 weeks   |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 1,925,669                    | 231,296             | 197,497      | 248,222      | 314,113      | 251,576      | 224,286      | 129,158      | 237,013           | 92,508              |
| Non Hispanic white <sup>4</sup>   | 1,153,420                    | 117,265             | 102,413      | 144,705      | 192,424      | 162,932      | 145,771      | 85,895       | 156,898           | 45,117              |
| Non Hispanic black <sup>4</sup>   | 286,882                      | 47,991              | 32,995       | 35,140       | 41,722       | 29,757       | 28,803       | 16,327       | 35,599            | 18,548              |
| Hispanic <sup>5</sup>   | 369,474                      | 53,878              | 49,621       | 51,419       | 59,190       | 43,123       | 36,894       | 20,329       | 34,784            | 20,236              |
| 40 weeks and over   |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 1,191,727                    | 129,122             | 113,409      | 142,510      | 188,478      | 157,171      | 147,358      | 87,873       | 167,889           | 57,917 <sup>6</sup> |
| Non Hispanic white <sup>4</sup>   | 714,100                      | 64,706              | 56,413       | 82,127       | 114,950      | 101,800      | 95,948       | 58,695       | 111,547           | 27,914 <sup>6</sup> |
| Non Hispanic black <sup>4</sup>   | 162,570                      | 24,740              | 17,640       | 18,684       | 22,967       | 17,155       | 17,122       | 10,073       | 23,326            | 10,863 <sup>6</sup> |
| Hispanic <sup>5</sup>   | 243,326                      | 32,682              | 32,309       | 32,289       | 38,277       | 28,339       | 25,496       | 14,402       | 25,686            | 13,846              |
| All gestation periods <sup>2</sup>                                      |                              |                     |              |              |              |              |              |              |                   |                     |
|   | Percent distribution         |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 100.0                        | 13.0                | 10.8         | 13.2         | 16.7         | 13.4         | 12.2         | 7.1          | 13.5              | ...                 |
| Non Hispanic white <sup>4</sup>   | 100.0                        | 10.8                | 9.2          | 12.7         | 17.0         | 14.4         | 13.2         | 7.9          | 14.9              | ...                 |
| Non Hispanic black <sup>4</sup>   | 100.0                        | 18.9                | 12.6         | 12.8         | 15.1         | 10.7         | 10.5         | 6.0          | 13.4              | ...                 |
| Hispanic <sup>5</sup>   | 100.0                        | 15.8                | 14.4         | 14.4         | 16.7         | 12.1         | 10.5         | 5.8          | 10.3              | ...                 |
| Under 34 weeks  |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 100.0                        | 27.4                | 15.6         | 13.3         | 13.6         | 8.8          | 7.8          | 4.3          | 9.2               | ...                 |
| Non Hispanic white <sup>4</sup>   | 100.0                        | 22.8                | 14.3         | 13.5         | 14.3         | 10.0         | 9.0          | 5.2          | 11.0              | ...                 |
| Non Hispanic black <sup>4</sup>   | 100.0                        | 34.7                | 16.4         | 12.2         | 12.2         | 6.9          | 6.7          | 3.3          | 7.6               | ...                 |
| Hispanic <sup>5</sup>   | 100.0                        | 29.4                | 17.7         | 14.0         | 13.4         | 8.3          | 6.6          | 3.5          | 7.2               | ...                 |
| 34–36 weeks   |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 100.0                        | 15.6                | 12.4         | 13.7         | 16.1         | 11.9         | 10.8         | 6.3          | 13.3              | ...                 |
| Non Hispanic white <sup>4</sup>   | 100.0                        | 12.8                | 10.6         | 13.4         | 16.3         | 12.9         | 11.7         | 7.1          | 15.1              | ...                 |
| Non Hispanic black <sup>4</sup>   | 100.0                        | 21.1                | 14.0         | 13.3         | 14.8         | 9.8          | 9.4          | 5.2          | 12.3              | ...                 |
| Hispanic <sup>5</sup>   | 100.0                        | 18.5                | 15.5         | 14.4         | 16.1         | 11.2         | 9.3          | 5.2          | 9.8               | ...                 |
| 37–39 weeks   |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 100.0                        | 12.6                | 10.8         | 13.5         | 17.1         | 13.7         | 12.2         | 7.0          | 12.9              | ...                 |
| Non Hispanic white <sup>4</sup>   | 100.0                        | 10.6                | 9.2          | 13.1         | 17.4         | 14.7         | 13.2         | 7.8          | 14.2              | ...                 |
| Non Hispanic black <sup>4</sup>   | 100.0                        | 17.9                | 12.3         | 13.1         | 15.5         | 11.1         | 10.7         | 6.1          | 13.3              | ...                 |
| Hispanic <sup>5</sup>   | 100.0                        | 15.4                | 14.2         | 14.7         | 16.9         | 12.3         | 10.6         | 5.8          | 10.0              | ...                 |
| 40 weeks and over   |                              |                     |              |              |              |              |              |              |                   |                     |
| All races <sup>3</sup>  | 100.0                        | 11.4                | 10.0         | 12.6         | 16.6         | 13.9         | 13.0         | 7.8          | 14.8              | ...                 |
| Non Hispanic white <sup>4</sup>   | 100.0                        | 9.4                 | 8.2          | 12.0         | 16.8         | 14.8         | 14.0         | 8.6          | 16.3              | ...                 |
| Non Hispanic black <sup>4</sup>   | 100.0                        | 16.3                | 11.6         | 12.3         | 15.1         | 11.3         | 11.3         | 6.6          | 15.4              | ...                 |
| Hispanic <sup>5</sup>   | 100.0                        | 14.2                | 14.1         | 14.1         | 16.7         | 12.3         | 11.1         | 6.3          | 11.2              | ...                 |

... Category not applicable.

<sup>1</sup>Expressed in completed weeks.<sup>2</sup>Includes births with period of gestation not stated.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>5</sup>Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.



**Table 23. Percentage of births with selected medical or health characteristics, by race of mother: United States, 2005**

| Characteristic   | All races | White | Black | American Indian or Alaska Native | Asian or Pacific Islander |
|--|-----------|-------|-------|----------------------------------|---------------------------|
| All births, mother                                     |           |       |       |                                  |                           |
| Diabetes during pregnancy . . . . .                    | 3.8       | 3.7   | 3.6   | 6.2                              | 6.3                       |
| Weight gain of less than 16 lbs <sup>1</sup> . . . . . | 13.0      | 11.9  | 18.6  | 17.6                             | 10.1                      |
| CNM delivery <sup>2</sup> . . . . .                    | 7.4       | 7.4   | 7.1   | 18.0                             | 6.0                       |
| Cesarean delivery . . . . .                            | 30.3      | 30.0  | 32.3  | 25.9                             | 29.7                      |
| Infant   |           |       |       |                                  |                           |
| Gestational age  |           |       |       |                                  |                           |
| Very preterm <sup>3</sup> . . . . .                    | 2.0       | 1.7   | 4.0   | 2.1                              | 1.5                       |
| Preterm <sup>4</sup> . . . . .                         | 12.7      | 11.8  | 18.1  | 14.1                             | 10.8                      |
| Birthweight  |           |       |       |                                  |                           |
| Very low birthweight <sup>5</sup> . . . . .            | 1.5       | 1.2   | 3.2   | 1.2                              | 1.1                       |
| Low birthweight <sup>6</sup> . . . . .                 | 8.2       | 7.2   | 13.6  | 7.4                              | 8.0                       |
| 4,000 grams or more <sup>7</sup> . . . . .             | 8.1       | 9.0   | 4.6   | 10.4                             | 5.0                       |
| Twin birth <sup>8</sup> . . . . .                      | 32.2      | 32.0  | 35.7  | 24.2                             | 26.3                      |
| Triplet or higher birth <sup>9</sup> . . . . .         | 161.8     | 178.2 | 102.0 | 55.8                             | 116.8                     |

<sup>1</sup>Excludes data for California, which did not report weight gain on the birth certificate. <sup>2</sup>Births delivered by certified nurse midwives.

<sup>3</sup>Born prior to 32 completed weeks of gestation. <sup>4</sup>Born prior to 37 completed weeks of gestation.

<sup>5</sup>Birthweight of less than 1,500 grams (3 lb 4 oz). <sup>6</sup>Birthweight of less than 2,500 grams (5 lb 8 oz).

<sup>7</sup>Equivalent to 8 lb 14 oz.

<sup>8</sup>Live births in twin deliveries per 1,000 live births.

<sup>9</sup>Live births in triplet and other higher order multiple deliveries per 100,000 live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

**Table 24. Percentage of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2005**

| Characteristic   | Origin of mother         |          |         |              |       |                            |                            |                    |       |       |
|--|--------------------------|----------|---------|--------------|-------|----------------------------|----------------------------|--------------------|-------|-------|
|  | All origins <sup>1</sup> | Hispanic |         |              |       |                            |                            | Non-Hispanic       |       |       |
|  |                          | Total    | Mexican | Puerto Rican | Cuban | Central and South American | Other and unknown Hispanic | Total <sup>2</sup> | White | Black |
| All births   |                          |          |         |              |       |                            |                            |                    |       |       |
| Mother   |                          |          |         |              |       |                            |                            |                    |       |       |
| Diabetes during pregnancy . . . . .                    | 3.8                      | 3.8      | 3.8     | 4.7          | 3.9   | 3.6                        | 3.7                        | 3.9                | 3.7   | 3.5   |
| Weight gain of less than 16 lbs <sup>3</sup> . . . . . | 13.0                     | 15.8     | 17.0    | 13.6         | 9.2   | 13.6                       | 14.9                       | 12.3               | 10.8  | 18.9  |
| CNM delivery <sup>4</sup> . . . . .                    | 7.4                      | 8.3      | 8.0     | 10.2         | 4.2   | 9.5                        | 8.4                        | 7.1                | 7.1   | 6.9   |
| Cesarean delivery . . . . .                            | 30.3                     | 29.0     | 28.0    | 31.1         | 45.0  | 30.9                       | 29.6                       | 30.7               | 30.4  | 32.6  |
| Infant   |                          |          |         |              |       |                            |                            |                    |       |       |
| Gestational age  |                          |          |         |              |       |                            |                            |                    |       |       |
| Very preterm <sup>5</sup> . . . . .                    | 2.0                      | 1.8      | 1.7     | 2.5          | 2.1   | 1.7                        | 2.0                        | 2.1                | 1.6   | 4.2   |
| Preterm <sup>6</sup> . . . . .                         | 12.7                     | 12.1     | 11.8    | 14.3         | 13.2  | 12.0                       | 13.6                       | 12.9               | 11.7  | 18.4  |
| Birthweight  |                          |          |         |              |       |                            |                            |                    |       |       |
| Very low birthweight <sup>7</sup> . . . . .            | 1.5                      | 1.2      | 1.1     | 1.9          | 1.5   | 1.2                        | 1.4                        | 1.6                | 1.2   | 3.3   |
| Low birthweight <sup>8</sup> . . . . .                 | 8.2                      | 6.9      | 6.5     | 9.9          | 7.6   | 6.8                        | 8.3                        | 8.6                | 7.3   | 14.0  |
| 4,000 grams or more <sup>9</sup> . . . . .             | 8.1                      | 7.6      | 8.0     | 6.1          | 8.0   | 7.3                        | 6.1                        | 8.3                | 9.6   | 4.4   |
| Twin births <sup>10</sup> . . . . .                    | 32.2                     | 22.0     | 20.3    | 31.1         | 32.2  | 23.4                       | 26.1                       | 35.3               | 36.1  | 36.4  |
| Triplet or higher births <sup>11</sup> . . . . .       | 161.8                    | 77.2     | 64.1    | 124.7        | 180.5 | 100.5                      | 92.4                       | 187.7              | 217.8 | 105.5 |

<sup>1</sup>Includes origin not stated. <sup>2</sup>Includes races other than white and black.

<sup>3</sup>Excludes data for California, which did not report weight gain on the birth certificate.

<sup>4</sup>Births delivered by certified nurse midwives. <sup>5</sup>Born prior to 32 completed weeks of gestation.

<sup>6</sup>Born prior to 37 completed weeks of gestation.

<sup>7</sup>Birthweight of less than 1,500 grams (3 lb 4 oz).

<sup>8</sup>Birthweight of less than 2,500 grams (5 lb 8 oz).

<sup>9</sup>Equivalent to 8 lb 14 oz.

<sup>10</sup>Live births in twin deliveries per 1,000 live births. <sup>11</sup>Live births in triplet and other higher order multiple deliveries per 100,000 live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Nineteen states reported multiple-race data for 2005. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Table 25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2005**

[Rates are number of live births with specified risk factors, procedures, or anomaly per 1,000 live births in specified group; congenital anomalies are per 100,000 live births]

| Risk factor,<br>characteristic,<br>procedure, and anomaly        | All<br>births <sup>1</sup> | Factor<br>reported | All<br>ages | Under 20<br>years | 20–24<br>years | 25–29<br>years | 30–34<br>years | 35–39<br>years | 40–54<br>years | Not<br>stated <sup>2</sup> |
|--|----------------------------|--------------------|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------------------|
| All races <sup>3</sup>   |                            |                    |             |                   |                |                |                |                |                |                            |
| Risk factors in this pregnancy                                   |                            |                    |             |                   |                |                |                |                |                |                            |
| Diabetes . . . . .   | 4,138,349                  | 158,705            | 38.5        | 11.9              | 22.0           | 36.2           | 50.8           | 67.0           | 86.9           | 11,278                     |
| Hypertension, pregnancy-associated . . . . .                     | 4,138,349                  | 164,864            | 39.9        | 43.3              | 39.5           | 39.5           | 38.0           | 40.4           | 50.8           | 11,278                     |
| Hypertension, chronic . . . . .                                  | 4,138,349                  | 42,744             | 10.4        | 3.7               | 6.1            | 9.3            | 12.8           | 18.7           | 29.2           | 11,278                     |
| Obstetric procedures and<br>characteristics of labor or delivery |                            |                    |             |                   |                |                |                |                |                |                            |
| Induction of labor . . . . .                                     | 4,138,349                  | 919,835            | 222.7       | 227.4             | 229.4          | 231.4          | 217.0          | 201.6          | 193.7          | 7,784                      |
| Tocolysis . . . . .  | 4,138,349                  | 82,818             | 20.1        | 21.9              | 20.9           | 20.4           | 19.2           | 18.0           | 17.8           | 9,929                      |
| Meconium, moderate/heavy . . . . .                               | 4,138,349                  | 190,164            | 46.0        | 53.0              | 47.4           | 45.3           | 43.9           | 43.6           | 43.1           | 8,787                      |
| Breech/Malpresentation . . . . .                                 | 4,138,349                  | 193,151            | 47.1        | 36.5              | 38.9           | 45.3           | 53.3           | 60.2           | 71.0           | 34,095                     |
| Precipitous labor . . . . .                                      | 4,138,349                  | 82,633             | 20.0        | 13.7              | 18.8           | 20.6           | 21.7           | 23.1           | 22.1           | 13,067                     |
| Congenital Anomalies <sup>4</sup>                                |                            |                    |             |                   |                |                |                |                |                |                            |
| Anencephaly . . . . .  | 4,109,514                  | 462                | 11.3        | 12.1              | 12.9           | 10.6           | 11.5           | 9.4            | *              | 21,871                     |
| Meningomyelocele/Spina bifida . . . . .                          | 4,109,514                  | 734                | 18.0        | 18.1              | 18.1           | 17.8           | 18.6           | 17.2           | *              | 21,871                     |
| Omphalocele/Gastroschisis . . . . .                              | 4,109,514                  | 1,340              | 32.8        | 93.3              | 43.9           | 23.4           | 14.8           | 16.5           | 20.0           | 21,871                     |
| Cleft lip/palate . . . . .                                       | 4,109,514                  | 3,233              | 79.1        | 77.9              | 91.0           | 78.3           | 73.2           | 65.7           | 88.3           | 21,871                     |
| Down syndrome . . . . .  | 4,109,514                  | 2,003              | 49.0        | 24.6              | 28.2           | 26.7           | 40.8           | 118.0          | 332.4          | 21,871                     |
| Non Hispanic white <sup>5</sup>                                  |                            |                    |             |                   |                |                |                |                |                |                            |
| Risk factors in this pregnancy                                   |                            |                    |             |                   |                |                |                |                |                |                            |
| Diabetes . . . . .   | 2,279,768                  | 83,053             | 36.5        | 13.6              | 22.7           | 33.7           | 43.7           | 56.7           | 72.3           | 6,166                      |
| Hypertension, pregnancy-associated . . . . .                     | 2,279,768                  | 102,928            | 45.3        | 49.6              | 47.0           | 46.4           | 42.1           | 42.0           | 51.9           | 6,166                      |
| Hypertension, chronic . . . . .                                  | 2,279,768                  | 23,677             | 10.4        | 3.7               | 6.3            | 9.5            | 12.2           | 16.7           | 23.8           | 6,166                      |
| Obstetric procedures and<br>characteristics of labor or delivery |                            |                    |             |                   |                |                |                |                |                |                            |
| Induction of labor . . . . .                                     | 2,279,768                  | 604,618            | 265.8       | 295.5             | 287.5          | 278.1          | 250.3          | 227.7          | 215.3          | 4,668                      |
| Tocolysis . . . . .  | 2,279,768                  | 51,236             | 22.5        | 27.3              | 24.3           | 23.0           | 21.2           | 19.3           | 18.8           | 6,126                      |
| Meconium, moderate/heavy . . . . .                               | 2,279,768                  | 91,998             | 40.4        | 44.8              | 41.2           | 40.0           | 39.4           | 40.1           | 39.0           | 5,057                      |
| Breech/Malpresentation . . . . .                                 | 2,279,768                  | 115,175            | 50.8        | 39.4              | 41.2           | 48.7           | 56.3           | 62.3           | 73.2           | 14,046                     |
| Precipitous labor . . . . .                                      | 2,279,768                  | 47,661             | 21.0        | 13.2              | 18.9           | 20.8           | 22.8           | 24.9           | 23.9           | 7,714                      |
| Congenital anomalies <sup>4</sup>                                |                            |                    |             |                   |                |                |                |                |                |                            |
| Anencephaly . . . . .  | 2,271,288                  | 234                | 10.4        | 12.7              | 11.6           | 10.1           | 9.9            | 9.9            | *              | 12,001                     |
| Meningomyelocele/Spina bifida . . . . .                          | 2,271,288                  | 436                | 19.3        | 19.4              | 18.2           | 19.6           | 21.3           | 18.5           | *              | 12,001                     |
| Omphalocele/Gastroschisis . . . . .                              | 2,271,288                  | 826                | 36.6        | 132.2             | 57.0           | 26.4           | 14.4           | 16.5           | *              | 12,001                     |
| Cleft lip/palate . . . . .                                       | 2,271,288                  | 2,124              | 94.0        | 103.1             | 120.8          | 90.1           | 82.2           | 75.1           | 91.4           | 12,001                     |
| Down syndrome . . . . .  | 2,271,288                  | 1,256              | 55.6        | 30.9              | 30.9           | 28.9           | 45.6           | 120.7          | 346.4          | 12,001                     |
| Non Hispanic black <sup>5</sup>                                  |                            |                    |             |                   |                |                |                |                |                |                            |
| Risk factors in this pregnancy                                   |                            |                    |             |                   |                |                |                |                |                |                            |
| Diabetes . . . . .   | 583,759                    | 20,501             | 35.2        | 10.3              | 20.6           | 37.3           | 57.8           | 78.3           | 97.9           | 1,662                      |
| Hypertension, pregnancy-associated . . . . .                     | 583,759                    | 26,546             | 45.6        | 48.4              | 42.0           | 42.8           | 48.0           | 53.0           | 63.4           | 1,662                      |
| Hypertension, chronic . . . . .                                  | 583,759                    | 11,794             | 20.3        | 5.6               | 10.8           | 19.4           | 34.0           | 51.0           | 70.8           | 1,662                      |
| Obstetric procedures and<br>characteristics of labor or delivery |                            |                    |             |                   |                |                |                |                |                |                            |
| Induction of labor . . . . .                                     | 583,759                    | 114,988            | 197.2       | 207.8             | 197.5          | 198.3          | 195.5          | 180.2          | 174.8          | 741                        |
| Tocolysis . . . . .  | 583,759                    | 12,898             | 22.1        | 22.2              | 22.4           | 22.3           | 22.2           | 20.7           | 19.6           | 829                        |
| Meconium, moderate/heavy . . . . .                               | 583,759                    | 34,305             | 58.9        | 62.7              | 57.5           | 56.5           | 61.0           | 59.8           | 57.4           | 1,220                      |
| Breech/Malpresentation . . . . .                                 | 583,759                    | 23,590             | 40.7        | 29.7              | 35.1           | 41.0           | 49.6           | 59.0           | 70.6           | 3,461                      |
| Precipitous labor . . . . .                                      | 583,759                    | 12,424             | 21.3        | 16.7              | 21.0           | 23.4           | 23.2           | 22.5           | 21.1           | 1,620                      |

See footnotes at end of table.

**Table 25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2005—Con.**

[Rates are number of live births with specified risk factors, procedures, or anomaly per 1,000 live births in specified group; congenital anomalies are per 100,000 live births]

| Risk factor, characteristic, procedure, and anomaly           | All births <sup>1</sup> | Factor reported | All ages | Under 20 years | 20–24 years | 25–29 years | 30–34 years | 35–39 years | 40–54 years | Not stated <sup>2</sup> |
|---|-------------------------|-----------------|----------|----------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
| Congenital anomalies <sup>4</sup>                             |                         |                 |          |                |             |             |             |             |             |                         |
| Anencephaly . . . . .   | 583,277                 | 64              | 11.0     | *              | 12.3        | *           | *           | *           | *           | 2,907                   |
| Meningomyelocele/Spina bifida . . . . .                       | 583,277                 | 90              | 15.5     | *              | 16.0        | 14.8        | *           | *           | *           | 2,907                   |
| Omphalocele/Gastroschisis . . . . .                           | 583,277                 | 185             | 31.9     | 53.5           | 24.5        | 32.4        | 25.1        | *           | *           | 2,907                   |
| Cleft lip/palate . . . . .                                    | 583,277                 | 242             | 41.7     | 43.4           | 50.1        | 39.4        | 29.4        | *           | *           | 2,907                   |
| Down syndrome . . . . .                                       | 583,277                 | 186             | 32.0     | *              | 19.2        | 19.7        | 21.8        | 102.0       | 295.9       | 2,907                   |
| Hispanic <sup>6</sup>   |                         |                 |          |                |             |             |             |             |             |                         |
| Risk factors in this pregnancy                                |                         |                 |          |                |             |             |             |             |             |                         |
| Diabetes . . . . .  | 985,505                 | 37,742          | 38.4     | 10.7           | 20.2        | 37.1        | 60.0        | 83.8        | 115.5       | 2,022                   |
| Hypertension, pregnancy-associated . . . . .                  | 985,505                 | 27,640          | 28.1     | 32.5           | 25.9        | 25.2        | 28.0        | 33.9        | 44.9        | 2,022                   |
| Hypertension, chronic . . . . .                               | 985,505                 | 5,204           | 5.3      | 2.5            | 3.0         | 4.5         | 7.2         | 11.7        | 22.5        | 2,022                   |
| Obstetric procedures and characteristics of labor or delivery |                         |                 |          |                |             |             |             |             |             |                         |
| Induction of labor . . . . .                                  | 985,505                 | 152,573         | 155.0    | 165.8          | 155.8       | 153.8       | 150.8       | 148.2       | 152.9       | 1,199                   |
| Tocolysis . . . . .   | 985,505                 | 14,069          | 14.3     | 14.9           | 14.1        | 14.5        | 14.0        | 14.0        | 14.5        | 1,459 <sup>7</sup>      |
| Meconium, moderate/heavy . . . . .                            | 985,505                 | 50,055          | 50.9     | 55.5           | 51.5        | 50.6        | 48.9        | 46.9        | 47.9        | 1,276                   |
| Breech/Malpresentation . . . . .                              | 985,505                 | 42,734          | 44.0     | 39.3           | 38.4        | 41.5        | 50.7        | 58.0        | 68.6        | 14,269                  |
| Precipitous labor . . . . .                                   | 985,505                 | 16,524          | 16.8     | 11.8           | 16.8        | 18.7        | 17.7        | 17.3        | 16.5        | 2,087                   |
| Congenital anomalies <sup>4</sup>                             |                         |                 |          |                |             |             |             |             |             |                         |
| Anencephaly . . . . .   | 969,682                 | 129             | 13.4     | *              | 15.3        | 12.2        | 14.7        | *           | *           | 4,003                   |
| Meningomyelocele/Spina bifida . . . . .                       | 969,682                 | 175             | 18.1     | 16.2           | 21.0        | 16.8        | 14.2        | *           | *           | 4,003                   |
| Omphalocele/Gastroschisis . . . . .                           | 969,682                 | 251             | 26.0     | 67.1           | 31.6        | 13.8        | 12.5        | *           | *           | 4,003                   |
| Cleft lip/palate . . . . .                                    | 969,682                 | 658             | 68.1     | 69.3           | 66.8        | 71.1        | 69.8        | 52.1        | *           | 4,003                   |
| Down syndrome . . . . .                                       | 969,682                 | 455             | 47.1     | 24.3           | 31.3        | 26.0        | 42.5        | 136.3       | 380.3       | 4,003                   |

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

<sup>1</sup>Total number of births to residents of areas reporting specified risk factor, procedure or anomaly.<sup>2</sup>No response reported for specific item.<sup>3</sup>Includes races not shown.<sup>4</sup>Excludes data for New Mexico which did not report congenital anomalies.<sup>5</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>6</sup>Includes all persons of Hispanic origin of any race.

**Table 26 (a). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: 12 states and Puerto Rico, 2005**

| State  | Percent beginning care in first trimester |                    |                    |                       | Percent late or no care <sup>1</sup> |                    |                    |                       |
|--|---|--------------------|--------------------|-----------------------|--------------------------------------|--------------------|--------------------|-----------------------|
|  | All races <sup>2</sup>                    | Non-Hispanic       |                    | Hispanic <sup>4</sup> | All races <sup>2</sup>               | Non-Hispanic       |                    | Hispanic <sup>4</sup> |
|  |   | White <sup>3</sup> | Black <sup>3</sup> |                       |                                      | White <sup>3</sup> | Black <sup>3</sup> |                       |
| Total of reporting area <sup>5</sup> . . . . . | 70.2                                      | 77.2               | 60.1               | 60.0                  | 7.7                                  | 4.9                | 11.3               | 11.9                  |
| Florida . . . . .                              | 72.2                                      | 77.5               | 63.4               | 69.7                  | 6.7                                  | 4.9                | 9.8                | 7.6                   |
| Idaho . . . . .                                | 71.2                                      | 74.1               | 58.8               | 57.7                  | 5.9                                  | 5.0                | *                  | 9.8                   |
| Kansas . . . . .                               | 76.6                                      | 80.8               | 67.8               | 59.8                  | 4.8                                  | 3.5                | 8.3                | 9.4                   |
| Kentucky . . . . .                             | 73.8                                      | 75.4               | 68.4               | 54.8                  | 5.3                                  | 4.7                | 7.6                | 10.6                  |
| Nebraska . . . . .                             | 75.3                                      | 78.6               | 66.5               | 62.4                  | 4.5                                  | 3.8                | 6.7                | 7.0                   |
| New Hampshire . . . . .                        | 82.4                                      | 83.7               | 52.2               | 70.1                  | 3.3                                  | 3.0                | 12.4               | 4.9                   |
| New York (excluding New York City) . . . . .   | 77.2                                      | 82.2               | 61.5               | 63.0                  | 4.3                                  | 3.0                | 9.4                | 7.0                   |
| Pennsylvania . . . . .                         | 73.2                                      | 78.4               | 56.6               | 55.8                  | 6.2                                  | 4.6                | 12.1               | 10.1                  |
| South Carolina . . . . .                       | 69.0                                      | 76.3               | 62.0               | 49.1                  | 7.4                                  | 5.0                | 9.2                | 15.7                  |
| Tennessee . . . . .                            | 68.8                                      | 76.3               | 53.2               | 41.3                  | 8.0                                  | 4.8                | 13.9               | 22.1                  |
| Texas . . . . .                                | 64.1                                      | 74.1               | 57.2               | 57.9                  | 11.1                                 | 6.7                | 14.1               | 13.8                  |
| Washington . . . . .                           | 71.2                                      | 74.9               | 65.3               | 60.9                  | 6.3                                  | 5.1                | 8.0                | 9.3                   |
| Puerto Rico . . . . .                          | 74.2                                      | 72.9               | 64.2               | 74.3                  | 3.0                                  | 3.5                | *                  | 3.0                   |

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

<sup>1</sup>Care beginning in 3d trimester.

<sup>2</sup>Includes races other than white and black and origin not stated.

<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All of the states shown in this table reported multiple-race data for 2005. These multiple-race data were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

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

<sup>5</sup>Excludes data for Puerto Rico.

NOTE: Excludes data for Vermont which implemented the 2003 Revision of the U.S. Certificate of Live Birth after January 1, 2005. Also excludes the 37 states, New York City, and the District of Columbia for which data are based on the 1989 Revision of the U.S. Certificate of Live Birth; see "Technical Notes." Prenatal care data based on the 1989 Revision of the U.S. Certificate of Live Birth are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

**Table 26 (b). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: 37 states, District of Columbia, New York City, and territories, 2005**

[By place of residence]

| State   | Percent beginning care in first trimester |                    |                    |                       | Percent late <sup>1</sup> or no care |                    |                    |                       |
|---|---|--------------------|--------------------|-----------------------|--------------------------------------|--------------------|--------------------|-----------------------|
|   | All races <sup>2</sup>                    | Non-Hispanic       |                    | Hispanic <sup>4</sup> | All races <sup>2</sup>               | Non-Hispanic       |                    | Hispanic <sup>4</sup> |
|   |   | White <sup>3</sup> | Black <sup>3</sup> |                       |                                      | White <sup>3</sup> | Black <sup>3</sup> |                       |
| Total of reporting areas <sup>5</sup> . . . . . | 83.9                                      | 88.7               | 76.5               | 77.6                  | 3.5                                  | 2.2                | 5.6                | 5.1                   |
| Alabama . . . . .                               | 83.1                                      | 89.3               | 77.0               | 51.5                  | 4.1                                  | 1.9                | 4.6                | 21.9                  |
| Alaska . . . . .                                | 80.2                                      | 85.6               | 82.1               | 78.4                  | 4.9                                  | 3.3                | 6.0                | 8.2                   |
| Arizona . . . . .                               | 77.7                                      | 87.5               | 77.4               | 69.5                  | 6.2                                  | 2.8                | 5.8                | 8.9                   |
| Arkansas . . . . .                              | 80.6                                      | 84.2               | 74.6               | 68.1                  | 4.7                                  | 3.4                | 7.1                | 8.4                   |
| California . . . . .                            | 86.6                                      | 90.1               | 82.8               | 84.5                  | 2.7                                  | 2.1                | 3.5                | 3.1                   |
| Colorado . . . . .                              | 80.1                                      | 85.6               | 75.5               | 70.0                  | 4.5                                  | 2.8                | 6.4                | 7.5                   |
| Connecticut . . . . .                           | 86.8                                      | 92.0               | 75.5               | 76.0                  | 1.9                                  | 1.2                | 3.6                | 3.0                   |
| Delaware . . . . .                              | 81.9                                      | 88.2               | 77.9               | 62.6                  | 4.9                                  | 2.3                | 5.0                | 15.3                  |
| District of Columbia . . . . .                  | 77.5                                      | 92.0               | 73.8               | 62.3                  | 5.1                                  | 1.3                | 6.3                | 8.0                   |
| Georgia . . . . .                               | 83.6                                      | 89.6               | 79.1               | 72.9                  | 3.8                                  | 2.1                | 4.7                | 7.6                   |
| Hawaii . . . . .                                | 81.5                                      | 85.2               | 82.4               | 81.4                  | 3.6                                  | 2.4                | *                  | 3.1                   |
| Illinois . . . . .                              | 86.0                                      | 90.8               | 75.7               | 82.2                  | 2.6                                  | 1.5                | 5.8                | 2.8                   |
| Indiana . . . . .                               | 79.9                                      | 83.8               | 66.0               | 63.6                  | 4.2                                  | 3.1                | 8.4                | 8.6                   |
| Iowa . . . . .                                  | 87.6                                      | 89.6               | 76.0               | 74.2                  | 2.2                                  | 1.7                | 5.5                | 5.2                   |
| Louisiana . . . . .                             | 87.2                                      | 92.9               | 79.0               | 85.6                  | 2.7                                  | 1.2                | 4.9                | 3.1                   |
| Maine . . . . .                                 | 88.1                                      | 88.3               | 79.1               | 85.0                  | 1.7                                  | 1.6                | *                  | *                     |
| Maryland . . . . .                              | 81.3                                      | 89.2               | 75.1               | 63.1                  | 4.3                                  | 2.1                | 6.4                | 8.1                   |
| Massachusetts . . . . .                         | 89.3                                      | 92.1               | 80.5               | 82.5                  | 2.2                                  | 1.6                | 5.1                | 3.4                   |
| Michigan . . . . .                              | 85.6                                      | 89.6               | 71.7               | 79.0                  | 3.0                                  | 2.0                | 6.9                | 3.8                   |
| Minnesota . . . . .                             | 86.2                                      | 90.0               | 75.3               | 71.2                  | 2.3                                  | 1.4                | 4.7                | 5.3                   |
| Mississippi . . . . .                           | 84.2                                      | 90.5               | 77.7               | 73.7                  | 3.0                                  | 1.6                | 4.3                | 8.4                   |
| Missouri . . . . .                              | 87.8                                      | 89.9               | 80.3               | 77.5                  | 2.3                                  | 1.8                | 4.4                | 3.7                   |
| Montana . . . . .                               | 84.0                                      | 87.1               | 81.0               | 77.4                  | 2.7                                  | 1.6                | *                  | *                     |
| Nevada . . . . .                                | 74.0                                      | 82.4               | 68.9               | 64.0                  | 8.2                                  | 5.3                | 10.6               | 11.3                  |
| New Jersey . . . . .                            | 78.7                                      | 88.1               | 62.9               | 66.6                  | 4.8                                  | 2.4                | 10.3               | 7.0                   |
| New Mexico . . . . .                            | 71.2                                      | 79.1               | 70.8               | 69.4                  | 7.7                                  | 4.5                | 5.5                | 8.2                   |
| New York City . . . . .                         | 80.2                                      | 88.1               | 75.3               | 77.9                  | 4.9                                  | 2.3                | 7.2                | 5.5                   |
| North Carolina . . . . .                        | 83.5                                      | 90.2               | 76.7               | 68.8                  | 2.9                                  | 1.6                | 4.7                | 5.5                   |
| North Dakota . . . . .                          | 85.9                                      | 88.7               | 83.2               | 79.0                  | 2.7                                  | 1.7                | *                  | *                     |
| Ohio . . . . .                                  | 87.1                                      | 89.2               | 78.3               | 78.2                  | 2.9                                  | 2.2                | 5.8                | 5.3                   |
| Oklahoma . . . . .                              | 77.3                                      | 81.5               | 71.8               | 65.6                  | 5.5                                  | 4.6                | 7.0                | 7.2                   |
| Oregon . . . . .                                | 80.9                                      | 84.4               | 71.3               | 70.1                  | 4.1                                  | 3.3                | 5.9                | 6.1                   |
| Rhode Island . . . . .                          | 89.3                                      | 92.4               | 83.3               | 85.4                  | 2.2                                  | 1.4                | 4.6                | 3.1                   |
| South Dakota . . . . .                          | 79.5                                      | 85.0               | 58.2               | 62.4                  | 3.6                                  | 1.9                | *                  | 6.1                   |
| Utah . . . . .                                  | 80.2                                      | 84.0               | 54.9               | 65.3                  | 4.3                                  | 3.0                | 15.7               | 8.3                   |
| Virginia . . . . .                              | 85.0                                      | 90.5               | 79.9               | 68.6                  | 3.8                                  | 2.1                | 5.2                | 8.4                   |
| West Virginia . . . . .                         | 84.4                                      | 85.0               | 71.7               | 75.3                  | 2.7                                  | 2.6                | 5.9                | *                     |
| Wisconsin . . . . .                             | 85.5                                      | 88.8               | 76.8               | 72.8                  | 2.9                                  | 2.3                | 5.4                | 4.9                   |
| Wyoming . . . . .                               | 84.9                                      | 87.0               | 90.2               | 77.4                  | 3.3                                  | 2.7                | *                  | 4.8                   |
| Virgin Islands . . . . .                        | 65.9                                      | 83.3               | 63.6               | 66.6                  | 8.3                                  | *                  | 9.1                | 7.8                   |
| Guam . . . . .                                  | 62.3                                      | 85.5               | 75.9               | 75.0                  | 11.2                                 | *                  | *                  | *                     |
| American Samoa . . . . .                        | ---                                       | ---                | ---                | ---                   | ---                                  | ---                | ---                | ---                   |
| Northern Marianas . . . . .                     | 31.6                                      | ---                | ---                | ---                   | 26.7                                 | ---                | ---                | ---                   |

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

--- Data not available.

<sup>1</sup>Care beginning in 3d trimester.<sup>2</sup>Includes races other than white and black and origin not stated.<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005; six of these states are shown in this table. The multiple-race data for these states are bridged race data for 2005; six of these states are shown in this table. The multiple-race data for these states are bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>4</sup>Includes all persons of Hispanic origin of any race.<sup>5</sup>Excludes data for the territories.

NOTES: Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont, and Washington, which implemented the 2003 Revision of the U.S. Certificate of Live Birth; see "Technical Notes." Prenatal care data based on the 2003 Revision of the U.S. Certificate of Live Birth are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

**Table 27. Number of live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2005**

| Place of delivery and race and Hispanic origin of mother | All births | Physician |                    |                      | Midwife |                         |               | Other  | Unspecified |
|--|------------|-----------|--------------------|----------------------|---------|-------------------------|---------------|--------|-------------|
|  |            | Total     | Doctor of medicine | Doctor of osteopathy | Total   | Certified nurse midwife | Other midwife |        |             |
| <b>All races<sup>1</sup></b>                             |            |           |                    |                      |         |                         |               |        |             |
| Total . . . . .  | 4,138,349  | 3,789,976 | 3,592,476          | 197,500              | 325,094 | 306,377                 | 18,717        | 20,230 | 3,049       |
| In hospital <sup>2</sup> . . . . .                       | 4,100,608  | 3,786,315 | 3,589,231          | 197,084              | 300,903 | 295,989                 | 4,914         | 11,442 | 1,948       |
| Not in hospital . . . . .                                | 37,402     | 3,576     | 3,167              | 409                  | 24,166  | 10,374                  | 13,792        | 8,593  | 1,067       |
| Freestanding birthing center . . . . .                   | 10,217     | 969       | 742                | 227                  | 9,050   | 6,094                   | 2,956         | 166    | 32          |
| Clinic or doctor's office . . . . .                      | 350        | 212       | 197                | 15                   | 66      | 43                      | 23            | 71     | 1           |
| Residence . . . . .                                      | 24,468     | 1,768     | 1,630              | 138                  | 14,677  | 4,034                   | 10,643        | 7,233  | 790         |
| Other . . . . .  | 2,367      | 627       | 598                | 29                   | 373     | 203                     | 170           | 1,123  | 244         |
| Not specified . . . . .                                  | 339        | 85        | 78                 | 7                    | 25      | 14                      | 11            | 195    | 34          |
| <b>Non Hispanic white<sup>3</sup></b>                    |            |           |                    |                      |         |                         |               |        |             |
| Total . . . . .  | 2,279,768  | 2,089,951 | 1,960,494          | 129,457              | 176,341 | 161,518                 | 14,823        | 12,038 | 1,438       |
| In hospital <sup>2</sup> . . . . .                       | 2,250,246  | 2,087,588 | 1,958,491          | 129,097              | 155,886 | 153,074                 | 2,812         | 5,819  | 953         |
| Not in hospital . . . . .                                | 29,300     | 2,320     | 1,964              | 356                  | 20,437  | 8,436                   | 12,001        | 6,062  | 481         |
| Freestanding birthing center . . . . .                   | 8,031      | 902       | 676                | 226                  | 6,980   | 4,692                   | 2,288         | 129    | 20          |
| Clinic or doctor's office . . . . .                      | 260        | 166       | 156                | 10                   | 48      | 35                      | 13            | 46     | –           |
| Residence . . . . .                                      | 19,706     | 986       | 877                | 109                  | 13,118  | 3,576                   | 9,542         | 5,216  | 386         |
| Other . . . . .  | 1,303      | 266       | 255                | 11                   | 291     | 133                     | 158           | 671    | 75          |
| Not specified . . . . .                                  | 222        | 43        | 39                 | 4                    | 18      | 8                       | 10            | 157    | 4           |
| <b>Non Hispanic black<sup>3</sup></b>                    |            |           |                    |                      |         |                         |               |        |             |
| Total . . . . .  | 583,759    | 539,728   | 520,848            | 18,880               | 40,846  | 39,947                  | 899           | 2,539  | 646         |
| In hospital <sup>2</sup> . . . . .                       | 581,111    | 539,027   | 520,169            | 18,858               | 40,136  | 39,461                  | 675           | 1,522  | 426         |
| Not in hospital . . . . .                                | 2,607      | 687       | 667                | 20                   | 709     | 485                     | 224           | 996    | 215         |
| Freestanding birthing center . . . . .                   | 468        | 27        | 27                 | –                    | 429     | 332                     | 97            | 9      | 3           |
| Clinic or doctor's office . . . . .                      | 15         | 6         | 6                  | –                    | 6       | 5                       | 1             | 3      | –           |
| Residence . . . . .                                      | 1,716      | 470       | 457                | 13                   | 257     | 132                     | 125           | 832    | 157         |
| Other . . . . .  | 408        | 184       | 177                | 7                    | 17      | 16                      | 1             | 152    | 55          |
| Not specified . . . . .                                  | 41         | 14        | 12                 | 2                    | 1       | 1                       | –             | 21     | 5           |
| <b>Hispanic<sup>4</sup></b>                              |            |           |                    |                      |         |                         |               |        |             |
| Total . . . . .  | 985,505    | 896,394   | 857,623            | 38,771               | 84,221  | 82,042                  | 2,179         | 4,230  | 660         |
| In hospital <sup>2</sup> . . . . .                       | 981,791    | 896,001   | 857,253            | 38,748               | 82,061  | 81,000                  | 1,061         | 3,321  | 408         |
| Not in hospital . . . . .                                | 3,696      | 383       | 361                | 22                   | 2,157   | 1,039                   | 1,118         | 904    | 252         |
| Freestanding birthing center . . . . .                   | 1,414      | 35        | 34                 | 1                    | 1,352   | 850                     | 502           | 19     | 8           |
| Clinic or doctor's office . . . . .                      | 36         | 17        | 15                 | 2                    | 11      | 2                       | 9             | 7      | 1           |
| Residence . . . . .                                      | 1,815      | 210       | 199                | 11                   | 760     | 156                     | 604           | 670    | 175         |
| Other . . . . .  | 431        | 121       | 113                | 8                    | 34      | 31                      | 3             | 208    | 68          |
| Not specified . . . . .                                  | 18         | 10        | 9                  | 1                    | 3       | 3                       | –             | 5      | –           |

– Quantity zero.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Includes births occurring en route to or on arrival at hospital.<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>4</sup>Includes all persons of Hispanic origin of any race.

**Table 28. Live births by method of delivery and rates of cesarean delivery by race and Hispanic origin of mother: United States, 1989–2005**

| Year              | All births | Vaginal            |                                 |                                 |                       | Cesarean           |                                 |                                 |                       |                    |                                 |                                 |                       |
|-------------------|------------|--------------------|---------------------------------|---------------------------------|-----------------------|--------------------|---------------------------------|---------------------------------|-----------------------|--------------------|---------------------------------|---------------------------------|-----------------------|
|                   |            | Number             |                                 |                                 |                       | Number             |                                 |                                 |                       | Rate <sup>4</sup>  |                                 |                                 |                       |
|                   |            | Total <sup>1</sup> | Non Hispanic white <sup>2</sup> | Non Hispanic black <sup>2</sup> | Hispanic <sup>3</sup> | Total <sup>1</sup> | Non Hispanic white <sup>2</sup> | Non Hispanic black <sup>2</sup> | Hispanic <sup>3</sup> | Total <sup>1</sup> | Non Hispanic white <sup>2</sup> | Non Hispanic black <sup>2</sup> | Hispanic <sup>3</sup> |
| 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 <sup>5</sup> | 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 <sup>5</sup> | 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 <sup>6</sup> | 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 <sup>7</sup> | 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                  |

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Percent of all live births by cesarean delivery.<sup>5</sup>Excludes data for New Hampshire which did not report Hispanic origin.<sup>6</sup>Excludes data for Oklahoma, which did not report method of delivery; data by Hispanic origin also exclude New Hampshire which did not report Hispanic origin.<sup>7</sup>Excludes 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 29. Number of live births by method of delivery and rates of cesarean delivery by age, race and Hispanic origin of mother: United States, 2005**

| Age and race and Hispanic origin of mother | Number     |           |           |            | Cesarean delivery rate <sup>1</sup> |
|--|------------|-----------|-----------|------------|-------------------------------------|
|  | All births | Vaginal   | Cesarean  | Not stated |                                     |
| All races <sup>2</sup> . . . . .           | 4,138,349  | 2,873,918 | 1,248,815 | 15,616     | 30.3                                |
| Under 20 years . . . . .                   | 421,315    | 329,707   | 90,518    | 1,090      | 21.5                                |
| 20–24 years . . . . .                      | 1,040,388  | 772,653   | 264,445   | 3,290      | 25.5                                |
| 25–29 years . . . . .                      | 1,131,596  | 800,130   | 327,275   | 4,191      | 29.0                                |
| 30–34 years . . . . .                      | 950,691    | 623,087   | 323,614   | 3,990      | 34.2                                |
| 35–39 years . . . . .                      | 483,156    | 288,798   | 191,928   | 2,430      | 39.9                                |
| 40–54 years . . . . .                      | 111,203    | 59,543    | 51,035    | 625        | 46.2                                |
| Non Hispanic white <sup>3</sup> . . . . .  | 2,279,768  | 1,579,613 | 690,260   | 9,895      | 30.4                                |
| Under 20 years . . . . .                   | 166,336    | 129,850   | 35,949    | 537        | 21.7                                |
| 20–24 years . . . . .                      | 515,518    | 384,020   | 129,580   | 1,918      | 25.2                                |
| 25–29 years . . . . .                      | 642,553    | 458,018   | 181,874   | 2,661      | 28.4                                |
| 30–34 years . . . . .                      | 581,645    | 384,862   | 194,066   | 2,717      | 33.5                                |
| 35–39 years . . . . .                      | 305,142    | 185,397   | 118,087   | 1,658      | 38.9                                |
| 40–54 years . . . . .                      | 68,574     | 37,466    | 30,704    | 404        | 45.0                                |
| Non Hispanic black <sup>3</sup> . . . . .  | 583,759    | 392,064   | 189,287   | 2,408      | 32.6                                |
| Under 20 years . . . . .                   | 99,510     | 75,417    | 23,808    | 285        | 24.0                                |
| 20–24 years . . . . .                      | 188,673    | 133,431   | 54,582    | 660        | 29.0                                |
| 25–29 years . . . . .                      | 142,885    | 95,119    | 47,157    | 609        | 33.1                                |
| 30–34 years . . . . .                      | 92,336     | 56,261    | 35,582    | 493        | 38.7                                |
| 35–39 years . . . . .                      | 47,411     | 25,537    | 21,595    | 279        | 45.8                                |
| 40–54 years . . . . .                      | 12,944     | 6,299     | 6,563     | 82         | 51.0                                |
| Hispanic <sup>4</sup> . . . . .            | 985,505    | 698,089   | 285,376   | 2,040      | 29.0                                |
| Under 20 years . . . . .                   | 139,372    | 111,225   | 27,933    | 214        | 20.1                                |
| 20–24 years . . . . .                      | 287,896    | 217,307   | 70,073    | 516        | 24.4                                |
| 25–29 years . . . . .                      | 266,590    | 188,729   | 77,267    | 594        | 29.0                                |
| 30–34 years . . . . .                      | 186,398    | 120,408   | 65,554    | 436        | 35.3                                |
| 35–39 years . . . . .                      | 85,739     | 50,150    | 35,372    | 217        | 41.4                                |
| 40–54 years . . . . .                      | 19,510     | 10,270    | 9,177     | 63         | 47.2                                |

<sup>1</sup>Percentage of all live births by cesarean delivery.<sup>2</sup>Includes races other than white and black and origin not stated.<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>4</sup>Includes all persons of Hispanic origin of any race.



**Table 30. Rates of cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2005**

[By place of residence]

| State                                | Total cesarean delivery rate <sup>1</sup> |                    |                    |                       |
|--------------------------------------|---|--------------------|--------------------|-----------------------|
|                                      | All races <sup>2</sup>                    | Non-Hispanic       |                    | Hispanic <sup>4</sup> |
|                                      |   | White <sup>3</sup> | Black <sup>3</sup> |                       |
| United States <sup>5</sup> . . . . . | 30.3                                      | 30.4               | 32.6               | 29.0                  |
| Alabama . . . . .                    | 31.8                                      | 32.8               | 31.7               | 24.2                  |
| Alaska . . . . .                     | 21.9                                      | 24.7               | 29.9               | 23.0                  |
| Arizona . . . . .                    | 24.7                                      | 26.8               | 27.8               | 23.1                  |
| Arkansas . . . . .                   | 31.5                                      | 31.9               | 33.6               | 25.6                  |
| California . . . . .                 | 30.7                                      | 31.1               | 35.6               | 30.0                  |
| Colorado . . . . .                   | 24.6                                      | 25.9               | 26.2               | 21.9                  |
| Connecticut . . . . .                | 32.4                                      | 32.8               | 34.0               | 30.6                  |
| Delaware . . . . .                   | 30.0                                      | 29.9               | 31.6               | 27.8                  |
| District of Columbia . . . . .       | 30.5                                      | 30.9               | 31.8               | 25.2                  |
| Florida . . . . .                    | 34.9                                      | 33.6               | 35.0               | 37.2                  |
| Georgia . . . . .                    | 30.5                                      | 31.6               | 32.4               | 23.4                  |
| Hawaii . . . . .                     | 25.6                                      | 24.0               | 21.9               | 26.2                  |
| Idaho . . . . .                      | 22.6                                      | 22.3               | 21.7               | 23.2                  |
| Illinois . . . . .                   | 28.8                                      | 29.7               | 29.9               | 25.9                  |
| Indiana . . . . .                    | 28.2                                      | 28.1               | 29.8               | 26.8                  |
| Iowa . . . . .                       | 26.7                                      | 26.8               | 25.1               | 26.9                  |
| Kansas . . . . .                     | 28.9                                      | 29.3               | 29.9               | 26.7                  |
| Kentucky . . . . .                   | 33.9                                      | 34.0               | 34.0               | 30.9                  |
| Louisiana . . . . .                  | 36.8                                      | 37.9               | 35.8               | 36.1                  |
| Maine . . . . .                      | 28.3                                      | 28.4               | 29.4               | 22.1                  |
| Maryland . . . . .                   | 31.1                                      | 30.9               | 33.5               | 25.9                  |
| Massachusetts . . . . .              | 32.2                                      | 33.3               | 33.3               | 27.1                  |
| Michigan . . . . .                   | 28.8                                      | 28.9               | 29.2               | 27.1                  |
| Minnesota . . . . .                  | 25.3                                      | 26.0               | 27.2               | 21.9                  |
| Mississippi . . . . .                | 35.1                                      | 35.8               | 34.9               | 25.7                  |
| Missouri . . . . .                   | 29.7                                      | 30.0               | 29.8               | 26.4                  |
| Montana . . . . .                    | 25.8                                      | 25.2               | *                  | 29.3                  |
| Nebraska . . . . .                   | 28.6                                      | 29.2               | 30.0               | 25.4                  |
| Nevada . . . . .                     | 31.0                                      | 33.6               | 36.7               | 26.4                  |
| New Hampshire . . . . .              | 28.0                                      | 28.0               | 25.3               | 28.8                  |
| New Jersey . . . . .                 | 36.3                                      | 36.8               | 37.6               | 34.5                  |
| New Mexico . . . . .                 | 22.2                                      | 23.6               | 29.6               | 22.2                  |
| New York . . . . .                   | 31.5                                      | 32.0               | 33.6               | 29.9                  |
| North Carolina . . . . .             | 29.3                                      | 30.3               | 31.1               | 23.3                  |
| North Dakota . . . . .               | 26.4                                      | 26.4               | 23.1               | 26.9                  |
| Ohio . . . . .                       | 28.1                                      | 28.2               | 28.8               | 26.0                  |
| Oklahoma . . . . .                   | 32.5                                      | 32.9               | 34.0               | 28.0                  |
| Oregon . . . . .                     | 27.6                                      | 27.8               | 30.5               | 25.7                  |
| Pennsylvania . . . . .               | 28.9                                      | 29.2               | 28.2               | 27.7                  |
| Rhode Island . . . . .               | 30.3                                      | 32.4               | 29.0               | 27.2                  |
| South Carolina . . . . .             | 32.7                                      | 33.0               | 32.9               | 29.7                  |
| South Dakota . . . . .               | 25.1                                      | 25.2               | 28.7               | 20.7                  |
| Tennessee . . . . .                  | 31.1                                      | 31.9               | 30.5               | 26.4                  |
| Texas . . . . .                      | 32.6                                      | 34.1               | 35.9               | 30.8                  |
| Utah . . . . .                       | 21.6                                      | 20.9               | 27.6               | 24.4                  |
| Vermont . . . . .                    | 25.9                                      | 25.9               | 32.9               | *                     |
| Virginia . . . . .                   | 31.4                                      | 31.5               | 32.3               | 27.1                  |
| Washington . . . . .                 | 27.8                                      | 27.8               | 30.3               | 26.1                  |
| West Virginia . . . . .              | 34.2                                      | 34.2               | 37.6               | 26.2                  |
| Wisconsin . . . . .                  | 23.7                                      | 24.4               | 21.8               | 23.1                  |
| Wyoming . . . . .                    | 24.6                                      | 24.2               | *                  | 27.7                  |

See footnotes at end of table.

**Table 30. Rates of cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2005—Con.**

[By place of residence]

| State                       | Total cesarean delivery rate <sup>1</sup> |                    |                    |                       |
|-----------------------------|---|--------------------|--------------------|-----------------------|
|                             | All races <sup>2</sup>                    | Non-Hispanic       |                    | Hispanic <sup>4</sup> |
|                             |   | White <sup>3</sup> | Black <sup>3</sup> |                       |
| Puerto Rico . . . . .       | 48.1                                      | 46.3               | 45.6               | 48.2                  |
| Virgin Islands . . . . .    | 27.5                                      | 27.5               | 26.9               | 29.2                  |
| Guam . . . . .              | 27.5                                      | 23.4               | *                  | *                     |
| American Samoa . . . . .    | ---                                       | ---                | ---                | ---                   |
| Northern Marianas . . . . . | 22.8                                      | ---                | ---                | ---                   |

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

--- Data not available.

<sup>1</sup>Percentage of all live births by cesarean delivery.<sup>2</sup>Includes races other than white and black and origin not stated.<sup>3</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>4</sup>Includes all persons of Hispanic origin of any race.<sup>5</sup>Excludes data for the territories.

**Table 31 (a). Rates of vaginal birth after cesarean delivery, by race and Hispanic origin of mother: 12 states, and Puerto Rico, 2005**

[By place of residence]

| State                                       | Rate of vaginal births after previous cesarean <sup>1,2</sup> |                    |                    |                       |
|---|---|--------------------|--------------------|-----------------------|
|   | All races <sup>3</sup>  | Non Hispanic       |                    | Hispanic <sup>5</sup> |
|   |   | White <sup>4</sup> | Black <sup>4</sup> |                       |
| Total <sup>6</sup> . . . . .                | 10.1  | 9.6                | 10.7               | 10.7                  |
| Florida . . . . .                           | 5.7   | 5.7                | 6.8                | 4.8                   |
| Idaho . . . . .                             | 17.3  | 16.4               | *                  | 22.3                  |
| Kansas . . . . .                            | 11.3  | 10.7               | 14.2               | 11.7                  |
| Kentucky . . . . .                          | 6.9   | 6.2                | 10.7               | 11.1                  |
| Nebraska . . . . .                          | 9.5   | 8.4                | 19.2               | 12.3                  |
| New Hampshire . . . . .                     | 16.6  | 17.0               | *                  | *                     |
| New York (excludes New York City) . . . . . | 10.8  | 10.2               | 14.9               | 10.8                  |
| Pennsylvania . . . . .                      | 15.2  | 14.3               | 19.6               | 16.0                  |
| South Carolina . . . . .                    | 10.0  | 8.9                | 11.1               | 11.9                  |
| Tennessee . . . . .                         | 11.1  | 9.8                | 15.0               | 12.1                  |
| Texas . . . . .                             | 10.0  | 7.8                | 8.1                | 11.9                  |
| Washington . . . . .                        | 13.2  | 12.4               | 17.6               | 15.0                  |
| Puerto Rico . . . . .                       | 7.4   | 5.4                | *                  | 7.5                   |

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

<sup>1</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>2</sup>Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All of the states shown in this table reported multiple-race data for 2005. These race data were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>5</sup>Includes all persons of Hispanic origin of any race.<sup>6</sup>Excludes data for Puerto Rico.

NOTES: Excludes the 37 states, New York City and the District of Columbia for which data are based on the 1989 Revision of the U.S. Certificate of Live Birth, see "Technical Notes." Also excludes data for Vermont which implemented the 2003 Revision of the US Certificate of Live Birth after January 1, 2005.

**Table 31 (b). Rates of vaginal birth after cesarean delivery (VBAC), by race and Hispanic origin of mother: 37 states, the District of Columbia, New York City and territories, 2005**

[By place of residence]

| State                | Rate of vaginal births after previous cesarean <sup>1,2</sup> |                    |                    |                       |
|----------------------|---|--------------------|--------------------|-----------------------|
|                      | All races <sup>3</sup>  | Non Hispanic       |                    | Hispanic <sup>5</sup> |
|                      |   | White <sup>4</sup> | Black <sup>4</sup> |                       |
| Total <sup>6</sup>   | 7.9   | 7.7                | 7.9                | 7.9                   |
| Alabama              | 5.9   | 5.3                | 6.3                | 9.7                   |
| Alaska               | 18.6  | 12.7               | *                  | *                     |
| Arizona              | 6.0   | 5.8                | *                  | 5.0                   |
| Arkansas             | 6.0   | 5.0                | 7.1                | 10.3                  |
| California           | 5.5   | 6.2                | 5.3                | 5.0                   |
| Colorado             | 11.7  | 10.7               | 12.0               | 12.9                  |
| Connecticut          | 6.7   | 6.8                | 6.6                | 6.7                   |
| Delaware             | 10.3  | 7.8                | 12.2               | 14.8                  |
| District of Columbia | 7.0   | *                  | 5.8                | *                     |
| Georgia              | 5.8   | 4.8                | 5.5                | 9.1                   |
| Hawaii               | 12.4  | 16.3               | *                  | 11.4                  |
| Illinois             | 9.5   | 8.5                | 9.6                | 11.4                  |
| Indiana              | 6.9   | 6.6                | 6.6                | 9.0                   |
| Iowa                 | 8.4   | 8.2                | 13.3               | 6.9                   |
| Louisiana            | 3.6   | 2.9                | 4.5                | *                     |
| Maine                | 6.0   | 5.8                | *                  | *                     |
| Maryland             | 9.8   | 9.1                | 10.0               | 12.2                  |
| Massachusetts        | 9.7   | 8.7                | 11.5               | 12.2                  |
| Michigan             | 8.3   | 7.9                | 8.2                | 11.2                  |
| Minnesota            | 10.6  | 9.3                | 15.2               | 15.7                  |
| Mississippi          | 3.8   | 2.9                | 4.4                | *                     |
| Missouri             | 7.6   | 7.5                | 7.5                | 9.1                   |
| Montana              | 11.4  | 12.6               | *                  | *                     |
| Nevada               | 4.9   | 3.9                | *                  | 6.8                   |
| New Jersey           | 9.6   | 9.1                | 12.6               | 9.1                   |
| New Mexico           | 13.0  | 13.1               | *                  | 10.1                  |
| New York City        | 13.5  | 17.4               | 11.6               | 13.1                  |
| North Carolina       | 8.9   | 7.5                | 8.3                | 14.3                  |
| North Dakota         | 10.3  | 10.2               | *                  | *                     |
| Ohio                 | 8.9   | 8.2                | 11.9               | 9.9                   |
| Oklahoma             | 2.8   | 2.2                | 3.0                | 5.9                   |
| Oregon               | 10.3  | 9.3                | *                  | 13.5                  |
| Rhode Island         | 9.4   | 8.7                | *                  | 9.6                   |
| South Dakota         | 13.7  | 13.7               | *                  | *                     |
| Utah                 | 18.2  | 18.1               | *                  | 19.1                  |
| Virginia             | 6.6   | 6.3                | 6.6                | 7.9                   |
| West Virginia        | 4.8   | 4.6                | *                  | *                     |
| Wisconsin            | 11.8  | 11.2               | 13.7               | 12.1                  |
| Wyoming              | 8.0   | 9.0                | *                  | *                     |
| Virgin Islands       | 19.3  | *                  | 21.7               | *                     |
| Guam                 | 9.9   | *                  | *                  | *                     |
| American Samoa       | ---   | ---                | ---                | ---                   |
| Northern Marianas    | ---   | ---                | ---                | ---                   |

--- Data not available.

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

<sup>1</sup>Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.<sup>2</sup>Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Six of these states are shown in this table. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>5</sup>Includes all persons of Hispanic origin of any race.<sup>6</sup>Excludes data for the territories.

NOTES: Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York state (excluding New York City), Pennsylvania, Puerto Rico, South Carolina, Tennessee, Texas, and Washington, for which data are based on the 2003 Revision of the U.S. Certificate of Live Birth, see "Technical Notes." Also excludes data for Vermont, which implemented the 2003 Revision of the U.S. Certificate of Live Birth after January 1, 2005.

**Table 32. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2005**

| Birthweight <sup>1</sup> and<br>race and Hispanic origin<br>of mother | All<br>births | Period of gestation <sup>2</sup> |                   |                |                |             |                      |                |             |             |                      | Not<br>stated |
|---|---------------|----------------------------------|-------------------|----------------|----------------|-------------|----------------------|----------------|-------------|-------------|----------------------|---------------|
|   |               | Preterm                          |                   |                |                |             | Term                 |                |             |             | Postterm             |               |
|   |               | Total under<br>37 weeks          | Under 28<br>weeks | 28–31<br>weeks | 32–35<br>weeks | 36<br>weeks | Total 37–41<br>weeks | 37–39<br>weeks | 40<br>weeks | 41<br>weeks | 42 weeks<br>and over |               |
| Number  |               |                                  |                   |                |                |             |                      |                |             |             |                      |               |
| All races <sup>3</sup>  | 4,138,349     | 522,913                          | 31,588            | 51,820         | 65,853         | 373,652     | 3,346,066            | 2,199,804      | 790,422     | 355,840     | 239,831              | 29,539        |
| Less than 500 grams   | 6,599         | 6,434                            | 6,173             | 241            | 11             | 9           | 22                   | 7              | 8           | 7           | 1                    | 142           |
| 500–999 grams   | 23,864        | 23,330                           | 17,405            | 5,335          | 373            | 217         | 201                  | 147            | 38          | 16          | 14                   | 319           |
| 1,000–1,499 grams   | 31,325        | 29,121                           | 4,114             | 16,891         | 5,158          | 2,958       | 1,645                | 1,168          | 314         | 163         | 200                  | 359           |
| 1,500–1,999 grams   | 66,453        | 55,670                           | 981               | 12,742         | 19,449         | 22,498      | 9,365                | 7,782          | 1,072       | 511         | 774                  | 644           |
| 2,000–2,499 grams   | 210,324       | 111,275                          | 672               | 4,444          | 18,398         | 87,761      | 92,191               | 77,822         | 10,006      | 4,363       | 5,097                | 1,761         |
| 2,500–2,999 grams   | 748,042       | 140,841                          | 1,069             | 4,306          | 9,634          | 125,832     | 569,319              | 443,651        | 89,290      | 36,378      | 32,560               | 5,322         |
| 3,000–3,499 grams   | 1,596,944     | 104,817                          | –                 | 5,135          | 8,143          | 91,539      | 1,387,335            | 940,483        | 315,243     | 131,609     | 94,153               | 10,639        |
| 3,500–3,999 grams   | 1,114,887     | 40,689                           | –                 | 2,560          | 3,662          | 34,467      | 988,011              | 575,811        | 280,930     | 131,270     | 78,804               | 7,383         |
| 4,000–4,499 grams   | 289,098       | 7,569                            | –                 | –              | 769            | 6,800       | 255,700              | 131,627        | 80,441      | 43,632      | 23,755               | 2,074         |
| 4,500–4,999 grams   | 42,119        | 1,178                            | –                 | –              | 90             | 1,088       | 36,766               | 18,087         | 11,624      | 7,055       | 3,865                | 310           |
| 5,000 grams or more   | 4,715         | 192                              | –                 | –              | 20             | 172         | 3,994                | 2,234          | 1,079       | 681         | 483                  | 46            |
| Not stated  | 3,979         | 1,797                            | 1,174             | 166            | 146            | 311         | 1,517                | 985            | 377         | 155         | 125                  | 540           |
| Percent   |               |                                  |                   |                |                |             |                      |                |             |             |                      |               |
| Very low birthweight <sup>4</sup>                                     | 1.5           | 11.3                             | 91.1              | 43.5           | 8.4            | 0.9         | 0.1                  | 0.1            | 0.0         | 0.1         | 0.1                  | 2.8           |
| Low birthweight <sup>5</sup>  | 8.2           | 43.3                             | 96.5              | 76.8           | 66.0           | 30.4        | 3.1                  | 4.0            | 1.4         | 1.4         | 2.5                  | 11.1          |
| Number  |               |                                  |                   |                |                |             |                      |                |             |             |                      |               |
| Non Hispanic white <sup>6</sup>                                       | 2,279,768     | 265,466                          | 12,687            | 24,469         | 32,345         | 195,965     | 1,875,177            | 1,231,768      | 443,103     | 200,306     | 130,458              | 8,667         |
| Less than 500 grams   | 2,497         | 2,447                            | 2,332             | 103            | 4              | 8           | 7                    | 3              | 3           | 1           | 1                    | 42            |
| 500–999 grams   | 10,015        | 9,836                            | 7,113             | 2,442          | 189            | 92          | 95                   | 70             | 21          | 4           | 5                    | 79            |
| 1,000–1,499 grams   | 14,967        | 14,025                           | 1,727             | 8,276          | 2,630          | 1,392       | 756                  | 528            | 144         | 84          | 79                   | 107           |
| 1,500–1,999 grams   | 33,687        | 28,725                           | 373               | 6,581          | 10,302         | 11,469      | 4,426                | 3,701          | 482         | 243         | 345                  | 191           |
| 2,000–2,499 grams   | 104,935       | 58,520                           | 250               | 1,979          | 9,825          | 46,466      | 43,453               | 37,007         | 4,473       | 1,973       | 2,422                | 540           |
| 2,500–2,999 grams   | 364,726       | 73,832                           | 431               | 1,637          | 4,108          | 67,656      | 274,173              | 216,907        | 40,482      | 16,784      | 15,288               | 1,433         |
| 3,000–3,499 grams   | 857,136       | 52,490                           | –                 | 2,160          | 3,178          | 47,152      | 752,887              | 518,000        | 166,081     | 68,806      | 48,755               | 3,004         |
| 3,500–3,999 grams   | 672,270       | 20,293                           | –                 | 1,214          | 1,607          | 17,472      | 604,075              | 355,551        | 169,992     | 78,532      | 45,633               | 2,269         |
| 4,000–4,499 grams   | 187,269       | 3,788                            | –                 | –              | 369            | 3,419       | 167,720              | 86,364         | 52,780      | 28,576      | 15,039               | 722           |
| 4,500–4,999 grams   | 27,541        | 608                              | –                 | –              | 43             | 565         | 24,329               | 11,784         | 7,782       | 4,763       | 2,504                | 100           |
| 5,000 grams or more   | 2,840         | 91                               | –                 | –              | 7              | 84          | 2,424                | 1,306          | 661         | 457         | 310                  | 15            |
| Not stated  | 1,885         | 811                              | 461               | 77             | 83             | 190         | 832                  | 547            | 202         | 83          | 77                   | 165           |
| Percent   |               |                                  |                   |                |                |             |                      |                |             |             |                      |               |
| Very low birthweight <sup>4</sup>                                     | 1.2           | 9.9                              | 91.4              | 44.4           | 8.8            | 0.8         | 0.0                  | 0.0            | 0.0         | 0.0         | 0.1                  | 2.7           |
| Low birthweight <sup>5</sup>  | 7.3           | 42.9                             | 96.5              | 79.5           | 71.1           | 30.4        | 2.6                  | 3.4            | 1.2         | 1.2         | 2.2                  | 11.3          |
| Number  |               |                                  |                   |                |                |             |                      |                |             |             |                      |               |
| Non Hispanic black <sup>6</sup>                                       | 583,759       | 107,059                          | 11,042            | 13,155         | 14,264         | 68,598      | 442,809              | 301,437        | 98,593      | 42,779      | 31,030               | 2,861         |
| Less than 500 grams   | 2,477         | 2,437                            | 2,343             | 87             | 6              | 1           | 10                   | 2              | 3           | 5           | –                    | 30            |
| 500–999 grams   | 8,014         | 7,879                            | 6,057             | 1,661          | 100            | 61          | 49                   | 32             | 10          | 7           | 5                    | 81            |
| 1,000–1,499 grams   | 8,573         | 8,041                            | 1,320             | 4,628          | 1,313          | 780         | 414                  | 303            | 81          | 30          | 55                   | 63            |
| 1,500–1,999 grams   | 15,764        | 13,165                           | 333               | 2,913          | 4,434          | 5,485       | 2,291                | 1,890          | 287         | 114         | 189                  | 119           |
| 2,000–2,499 grams   | 46,846        | 23,707                           | 221               | 1,155          | 3,664          | 18,667      | 21,694               | 18,224         | 2,437       | 1,033       | 1,173                | 272           |
| 2,500–2,999 grams   | 144,803       | 26,859                           | 313               | 1,163          | 2,295          | 23,088      | 110,685              | 85,758         | 17,854      | 7,073       | 6,591                | 668           |
| 3,000–3,499 grams   | 221,819       | 17,562                           | –                 | 1,083          | 1,726          | 14,753      | 190,020              | 127,879        | 43,922      | 18,219      | 13,314               | 923           |
| 3,500–3,999 grams   | 108,698       | 5,710                            | –                 | 421            | 586            | 4,703       | 94,869               | 55,246         | 26,974      | 12,649      | 7,644                | 475           |
| 4,000–4,499 grams   | 22,149        | 945                              | –                 | –              | 98             | 847         | 19,368               | 10,209         | 6,056       | 3,103       | 1,743                | 93            |
| 4,500–4,999 grams   | 3,203         | 145                              | –                 | –              | 13             | 132         | 2,779                | 1,492          | 820         | 467         | 260                  | 19            |
| 5,000 grams or more   | 405           | 23                               | –                 | –              | 2              | 21          | 347                  | 215            | 81          | 51          | 33                   | 2             |
| Not stated  | 1,008         | 586                              | 455               | 44             | 27             | 60          | 283                  | 187            | 68          | 28          | 23                   | 116           |
| Percent   |               |                                  |                   |                |                |             |                      |                |             |             |                      |               |
| Very low birthweight <sup>4</sup>                                     | 3.3           | 17.2                             | 91.8              | 48.6           | 10.0           | 1.2         | 0.1                  | 0.1            | 0.1         | 0.1         | 0.2                  | 6.3           |
| Low birthweight <sup>5</sup>  | 14.0          | 51.9                             | 97.0              | 79.7           | 66.8           | 36.5        | 5.5                  | 6.8            | 2.9         | 2.8         | 4.6                  | 20.6          |

See footnotes at end of table.

**Table 32. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2005—Con.**

| Birthweight <sup>1</sup> and<br>race and Hispanic origin<br>of mother | All<br>births | Period of gestation <sup>2</sup> |                   |                |                |             |                                   |                |             |             |                      | Not<br>stated |
|---|---------------|----------------------------------|-------------------|----------------|----------------|-------------|-----------------------------------|----------------|-------------|-------------|----------------------|---------------|
|   |               | Preterm                          |                   |                |                |             | Term                              |                |             | Postterm    |                      |               |
|   |               | Total under<br>37 weeks          | Under 28<br>weeks | 28–31<br>weeks | 32–35<br>weeks | 36<br>weeks | Total 37–41 <sup>3</sup><br>weeks | 37–39<br>weeks | 40<br>weeks | 41<br>weeks | 42 weeks<br>and over |               |
| Number  |               |                                  |                   |                |                |             |                                   |                |             |             |                      |               |
| Hispanic <sup>7</sup> . . . . .                                       | 985,505       | 117,774                          | 6,134             | 11,210         | 15,266         | 85,164      | 790,713                           | 510,011        | 192,320     | 88,382      | 62,717               | 14,301        |
| Less than 500 grams . . . . .   | 1,212         | 1,153                            | 1,112             | 40             | 1              | –           | 3                                 | 1              | 2           | –           | –                    | 56            |
| 500–999 grams . . . . .   | 4,586         | 4,407                            | 3,363             | 926            | 65             | 53          | 48                                | 38             | 5           | 5           | 4                    | 127           |
| 1,000–1,499 grams . . . . .   | 5,988         | 5,411                            | 832               | 3,083          | 896            | 600         | 377                               | 270            | 71          | 36          | 46                   | 154           |
| 1,500–1,999 grams . . . . .   | 12,710        | 10,271                           | 229               | 2,514          | 3,512          | 4,016       | 2,002                             | 1,636          | 240         | 126         | 196                  | 241           |
| 2,000–2,499 grams . . . . .   | 43,300        | 21,735                           | 161               | 1,057          | 3,893          | 16,624      | 19,652                            | 16,254         | 2,347       | 1,051       | 1,185                | 728           |
| 2,500–2,999 grams . . . . .   | 176,438       | 30,863                           | 261               | 1,226          | 2,612          | 26,764      | 134,822                           | 102,616        | 22,769      | 9,437       | 8,276                | 2,477         |
| 3,000–3,499 grams . . . . .   | 399,295       | 28,408                           | –                 | 1,557          | 2,736          | 24,115      | 340,012                           | 225,106        | 80,365      | 34,541      | 25,544               | 5,331         |
| 3,500–3,999 grams . . . . .   | 266,338       | 12,439                           | –                 | 777            | 1,250          | 10,412      | 229,235                           | 130,972        | 66,324      | 31,939      | 20,794               | 3,870         |
| 4,000–4,499 grams . . . . .   | 64,704        | 2,412                            | –                 | –              | 249            | 2,163       | 55,557                            | 28,467         | 17,464      | 9,626       | 5,672                | 1,063         |
| 4,500–4,999 grams . . . . .   | 9,167         | 355                              | –                 | –              | 28             | 327         | 7,776                             | 3,911          | 2,411       | 1,454       | 866                  | 170           |
| 5,000 grams or more . . . . .   | 1,174         | 58                               | –                 | –              | 8              | 50          | 978                               | 572            | 271         | 135         | 112                  | 26            |
| Not stated . . . . .  | 593           | 262                              | 176               | 30             | 16             | 40          | 251                               | 168            | 51          | 32          | 22                   | 58            |
| Percent   |               |                                  |                   |                |                |             |                                   |                |             |             |                      |               |
| Very low birthweight <sup>4</sup> . . . . .                           | 1.2           | 9.3                              | 89.1              | 36.2           | 6.3            | 0.8         | 0.1                               | 0.1            | 0.0         | 0.0         | 0.1                  | 2.4           |
| Low birthweight <sup>5</sup> . . . . .                                | 6.9           | 36.6                             | 95.6              | 68.2           | 54.9           | 25.0        | 2.8                               | 3.6            | 1.4         | 1.4         | 2.3                  | 9.2           |

– Quantity zero.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Equivalents of the gram weights in pounds and ounces are shown in the “Technical Notes.”<sup>2</sup>Expressed in completed weeks.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Birthweight of less than 1,500 grams (3 lb 4 oz).<sup>5</sup>Birthweight of less than 2,500 grams (5 lb 8 oz).<sup>6</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 Office of Management and Budget standards for comparability with other states; see “Technical Notes.”<sup>7</sup>Includes all persons of Hispanic origin of any race.

**Table 33. Percentage of live births very preterm and preterm and percentage of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981–2005**

| Year               | Very preterm <sup>1</sup> |                    |                    |                       | Preterm <sup>2</sup>   |                    |                    |                       |
|--------------------|---------------------------|--------------------|--------------------|-----------------------|------------------------|--------------------|--------------------|-----------------------|
|                    | All races <sup>3</sup>    | Non-Hispanic       |                    |                       | All races <sup>3</sup> | Non-Hispanic       |                    |                       |
|                    |                           | White <sup>4</sup> | Black <sup>4</sup> | Hispanic <sup>5</sup> |                        | White <sup>4</sup> | Black <sup>4</sup> | Hispanic <sup>5</sup> |
| 2005               | 2.03                      | 1.64               | 4.17               | 1.79                  | 12.7                   | 11.7               | 18.4               | 12.1                  |
| 2004               | 2.01                      | 1.63               | 4.05               | 1.77                  | 12.5                   | 11.5               | 17.9               | 12.0                  |
| 2003               | 1.97                      | 1.60               | 3.99               | 1.73                  | 12.3                   | 11.3               | 17.8               | 11.9                  |
| 2002               | 1.96                      | 1.56               | 4.04               | 1.72                  | 12.1                   | 11.0               | 17.7               | 11.6                  |
| 2001               | 1.95                      | 1.55               | 4.05               | 1.69                  | 11.9                   | 10.8               | 17.6               | 11.4                  |
| 2000               | 1.93                      | 1.51               | 4.09               | 1.69                  | 11.6                   | 10.4               | 17.4               | 11.2                  |
| 1999               | 1.96                      | 1.54               | 4.18               | 1.68                  | 11.8                   | 10.5               | 17.6               | 11.4                  |
| 1998               | 1.96                      | 1.52               | 4.15               | 1.72                  | 11.6                   | 10.2               | 17.6               | 11.4                  |
| 1997               | 1.94                      | 1.49               | 4.19               | 1.68                  | 11.4                   | 9.9                | 17.6               | 11.2                  |
| 1996               | 1.89                      | 1.43               | 4.17               | 1.66                  | 11.0                   | 9.5                | 17.5               | 10.9                  |
| 1995               | 1.89                      | 1.41               | 4.29               | 1.66                  | 11.0                   | 9.4                | 17.8               | 10.9                  |
| 1994               | 1.91                      | 1.39               | 4.36               | 1.67                  | 11.0                   | 9.3                | 18.2               | 10.9                  |
| 1993               | 1.93                      | 1.39               | 4.45               | 1.67                  | 11.0                   | 9.1                | 18.6               | 11.0                  |
| 1992 <sup>8</sup>  | 1.91                      | 1.33               | 4.50               | 1.64                  | 10.7                   | 8.7                | 18.5               | 10.7                  |
| 1991 <sup>8</sup>  | 1.94                      | 1.35               | 4.65               | 1.65                  | 10.8                   | 8.7                | 19.0               | 11.0                  |
| 1990 <sup>9</sup>  | 1.92                      | 1.33               | 4.63               | 1.69                  | 10.6                   | 8.5                | 18.9               | 11.0                  |
| 1989 <sup>10</sup> | 1.95                      | 1.34               | 4.68               | 1.76                  | 10.6                   | 8.4                | 19.0               | 11.1                  |
| 1988               | 1.96                      | ---                | ---                | ---                   | 10.2                   | ---                | ---                | ---                   |
| 1987               | 1.96                      | ---                | ---                | ---                   | 10.2                   | ---                | ---                | ---                   |
| 1986               | 1.90                      | ---                | ---                | ---                   | 10.0                   | ---                | ---                | ---                   |
| 1985               | 1.88                      | ---                | ---                | ---                   | 9.8                    | ---                | ---                | ---                   |
| 1984               | 1.83                      | ---                | ---                | ---                   | 9.4                    | ---                | ---                | ---                   |
| 1983               | 1.86                      | ---                | ---                | ---                   | 9.6                    | ---                | ---                | ---                   |
| 1982               | 1.84                      | ---                | ---                | ---                   | 9.5                    | ---                | ---                | ---                   |
| 1981               | 1.81                      | ---                | ---                | ---                   | 9.4                    | ---                | ---                | ---                   |

| Year               | Very low birthweight <sup>6</sup> |                    |                    |                       | Low birthweight <sup>7</sup> |                    |                    |                       |
|--------------------|-----------------------------------|--------------------|--------------------|-----------------------|------------------------------|--------------------|--------------------|-----------------------|
|                    | All races <sup>3</sup>            | Non-Hispanic       |                    |                       | All races <sup>3</sup>       | Non-Hispanic       |                    |                       |
|                    |                                   | White <sup>4</sup> | Black <sup>4</sup> | Hispanic <sup>5</sup> |                              | White <sup>4</sup> | Black <sup>4</sup> | Hispanic <sup>5</sup> |
| 2005               | 1.49                              | 1.21               | 3.27               | 1.20                  | 8.2                          | 7.3                | 14.0               | 6.9                   |
| 2004               | 1.48                              | 1.20               | 3.15               | 1.20                  | 8.1                          | 7.2                | 13.7               | 6.8                   |
| 2003               | 1.45                              | 1.18               | 3.12               | 1.16                  | 7.9                          | 7.0                | 13.6               | 6.7                   |
| 2002               | 1.46                              | 1.17               | 3.15               | 1.17                  | 7.8                          | 6.9                | 13.4               | 6.5                   |
| 2001               | 1.44                              | 1.17               | 3.08               | 1.14                  | 7.7                          | 6.8                | 13.1               | 6.5                   |
| 2000               | 1.43                              | 1.14               | 3.10               | 1.14                  | 7.6                          | 6.6                | 13.1               | 6.4                   |
| 1999               | 1.45                              | 1.15               | 3.18               | 1.14                  | 7.6                          | 6.6                | 13.2               | 6.4                   |
| 1998               | 1.45                              | 1.15               | 3.11               | 1.15                  | 7.6                          | 6.6                | 13.2               | 6.4                   |
| 1997               | 1.42                              | 1.12               | 3.05               | 1.13                  | 7.5                          | 6.5                | 13.1               | 6.4                   |
| 1996               | 1.37                              | 1.08               | 3.02               | 1.12                  | 7.4                          | 6.4                | 13.1               | 6.3                   |
| 1995               | 1.35                              | 1.04               | 2.98               | 1.11                  | 7.3                          | 6.2                | 13.2               | 6.3                   |
| 1994               | 1.33                              | 1.01               | 2.99               | 1.08                  | 7.3                          | 6.1                | 13.3               | 6.2                   |
| 1993               | 1.33                              | 1.00               | 2.99               | 1.06                  | 7.2                          | 5.9                | 13.4               | 6.2                   |
| 1992 <sup>8</sup>  | 1.29                              | 0.94               | 2.97               | 1.04                  | 7.1                          | 5.7                | 13.4               | 6.1                   |
| 1991 <sup>8</sup>  | 1.29                              | 0.94               | 2.97               | 1.02                  | 7.1                          | 5.7                | 13.6               | 6.1                   |
| 1990 <sup>9</sup>  | 1.27                              | 0.93               | 2.93               | 1.03                  | 7.0                          | 5.6                | 13.3               | 6.1                   |
| 1989 <sup>10</sup> | 1.28                              | 0.93               | 2.97               | 1.05                  | 7.0                          | 5.6                | 13.6               | 6.2                   |
| 1988               | 1.24                              | ---                | ---                | ---                   | 6.9                          | ---                | ---                | ---                   |
| 1987               | 1.24                              | ---                | ---                | ---                   | 6.9                          | ---                | ---                | ---                   |
| 1986               | 1.21                              | ---                | ---                | ---                   | 6.8                          | ---                | ---                | ---                   |
| 1985               | 1.21                              | ---                | ---                | ---                   | 6.8                          | ---                | ---                | ---                   |
| 1984               | 1.19                              | ---                | ---                | ---                   | 6.7                          | ---                | ---                | ---                   |
| 1983               | 1.19                              | ---                | ---                | ---                   | 6.8                          | ---                | ---                | ---                   |
| 1982               | 1.18                              | ---                | ---                | ---                   | 6.8                          | ---                | ---                | ---                   |
| 1981               | 1.16                              | ---                | ---                | ---                   | 6.8                          | ---                | ---                | ---                   |

--- Data not available.

<sup>1</sup>Births of less than 32 completed weeks of gestation.<sup>2</sup>Births of less than 37 completed weeks of gestation.<sup>3</sup>Includes races other than white and black and origin not stated.<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>5</sup>Includes all persons of Hispanic origin of any race.<sup>6</sup>Less than 1,500 grams (3 lb 4 oz).<sup>7</sup>Less than 2,500 grams (5 lb 8 oz).<sup>8</sup>Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.<sup>9</sup>Data by Hispanic origin exclude New Hampshire and Oklahoma, which did not report Hispanic origin.<sup>10</sup>Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

**Table 34. Number and percentage of births delivered preterm, by race and Hispanic origin of mother: United States, each state and territory, 2005**

[By place of residence. Preterm is less than 37 completed weeks of gestation]

| State                      | Number                 |                    |                    |                       | Percent                |                    |                    |                       |
|----------------------------|------------------------|--------------------|--------------------|-----------------------|------------------------|--------------------|--------------------|-----------------------|
|                            | All races <sup>1</sup> | Non-Hispanic       |                    | Hispanic <sup>3</sup> | All races <sup>1</sup> | Non-Hispanic       |                    | Hispanic <sup>3</sup> |
|                            |                        | White <sup>2</sup> | Black <sup>2</sup> |                       |                        | White <sup>2</sup> | Black <sup>2</sup> |                       |
| United States <sup>4</sup> | 522,913                | 265,466            | 107,059            | 117,774               | 12.7                   | 11.7               | 18.4               | 12.1                  |
| Alabama                    | 10,107                 | 5,432              | 3,947              | 578                   | 16.7                   | 14.6               | 21.9               | 14.5                  |
| Alaska                     | 1,111                  | 566                | 63                 | 81                    | 10.6                   | 9.5                | 16.8               | 10.4                  |
| Arizona                    | 12,655                 | 4,829              | 609                | 5,793                 | 13.2                   | 12.1               | 20.2               | 13.5                  |
| Arkansas                   | 5,237                  | 3,295              | 1,336              | 470                   | 13.4                   | 12.3               | 18.1               | 11.7                  |
| California                 | 56,363                 | 15,381             | 4,476              | 28,975                | 10.7                   | 10.0               | 15.5               | 10.7                  |
| Colorado                   | 8,485                  | 4,843              | 489                | 2,793                 | 12.3                   | 11.7               | 16.5               | 12.8                  |
| Connecticut                | 4,355                  | 2,533              | 740                | 882                   | 10.4                   | 9.6                | 15.2               | 11.0                  |
| Delaware                   | 1,629                  | 801                | 528                | 219                   | 14.0                   | 12.4               | 18.4               | 13.3                  |
| District of Columbia       | 1,262                  | 193                | 896                | 149                   | 15.9                   | 9.4                | 19.5               | 13.4                  |
| Florida                    | 31,188                 | 12,938             | 8,930              | 8,323                 | 13.8                   | 12.2               | 18.5               | 13.1                  |
| Georgia                    | 19,324                 | 8,250              | 8,131              | 2,221                 | 13.6                   | 12.1               | 18.0               | 10.2                  |
| Hawaii                     | 2,179                  | 410                | 49                 | 358                   | 12.2                   | 9.8                | 12.0               | 12.9                  |
| Idaho                      | 2,631                  | 2,090              | 15                 | 423                   | 11.4                   | 11.2               | *                  | 12.1                  |
| Illinois                   | 23,452                 | 11,299             | 5,946              | 5,210                 | 13.1                   | 11.8               | 19.6               | 12.0                  |
| Indiana                    | 11,753                 | 8,660              | 1,809              | 1,062                 | 13.5                   | 12.8               | 18.5               | 13.2                  |
| Iowa                       | 4,654                  | 3,865              | 261                | 367                   | 11.8                   | 11.6               | 17.6               | 11.8                  |
| Kansas                     | 4,860                  | 3,494              | 474                | 727                   | 12.2                   | 11.9               | 16.9               | 12.0                  |
| Kentucky                   | 8,585                  | 7,132              | 957                | 396                   | 15.2                   | 14.8               | 19.8               | 15.8                  |
| Louisiana                  | 10,036                 | 4,477              | 5,134              | 258                   | 16.5                   | 13.3               | 21.4               | 13.6                  |
| Maine                      | 1,503                  | 1,419              | 30                 | 11                    | 10.7                   | 10.7               | 11.7               | *                     |
| Maryland                   | 9,949                  | 4,171              | 4,140              | 1,103                 | 13.3                   | 11.3               | 17.0               | 12.7                  |
| Massachusetts              | 8,697                  | 5,787              | 1,067              | 1,186                 | 11.3                   | 10.7               | 15.8               | 11.7                  |
| Michigan                   | 15,877                 | 9,785              | 4,284              | 912                   | 12.5                   | 11.1               | 19.4               | 10.6                  |
| Minnesota                  | 7,588                  | 5,507              | 764                | 539                   | 10.7                   | 10.4               | 13.2               | 9.8                   |
| Mississippi                | 7,952                  | 3,407              | 4,299              | 131                   | 18.8                   | 15.6               | 23.1               | 11.3                  |
| Missouri                   | 10,404                 | 7,331              | 2,286              | 526                   | 13.3                   | 12.1               | 19.9               | 12.3                  |
| Montana                    | 1,323                  | 1,007              | 4                  | 48                    | 11.4                   | 10.9               | *                  | 12.1                  |
| Nebraska                   | 3,181                  | 2,290              | 260                | 510                   | 12.2                   | 11.6               | 17.1               | 13.2                  |
| Nevada                     | 5,160                  | 2,162              | 619                | 1,792                 | 13.9                   | 13.1               | 20.8               | 12.8                  |
| New Hampshire              | 1,505                  | 1,319              | 39                 | 58                    | 10.5                   | 10.2               | 20.9               | 11.1                  |
| New Jersey                 | 14,219                 | 6,418              | 2,914              | 3,634                 | 12.5                   | 11.1               | 17.4               | 13.0                  |
| New Mexico                 | 3,778                  | 1,074              | 84                 | 2,047                 | 13.1                   | 12.7               | 17.5               | 13.0                  |
| New York                   | 29,883                 | 13,161             | 7,183              | 7,429                 | 12.1                   | 10.5               | 17.2               | 12.9                  |
| North Carolina             | 16,868                 | 8,565              | 5,289              | 2,391                 | 13.7                   | 12.2               | 18.8               | 12.3                  |
| North Dakota               | 962                    | 735                | 18                 | 21                    | 11.5                   | 10.9               | *                  | 11.7                  |
| Ohio                       | 19,321                 | 13,858             | 4,047              | 819                   | 13.0                   | 12.1               | 18.0               | 13.5                  |
| Oklahoma                   | 6,758                  | 4,295              | 851                | 735                   | 13.1                   | 12.7               | 18.1               | 11.8                  |
| Oregon                     | 4,674                  | 3,225              | 130                | 942                   | 10.2                   | 10.0               | 13.6               | 10.3                  |
| Pennsylvania               | 17,123                 | 11,428             | 3,257              | 1,639                 | 11.9                   | 10.8               | 16.7               | 13.5                  |
| Rhode Island               | 1,538                  | 730                | 161                | 334                   | 12.1                   | 11.0               | 14.0               | 13.1                  |
| South Carolina             | 9,002                  | 4,377              | 3,812              | 658                   | 15.6                   | 13.3               | 20.4               | 13.2                  |
| South Dakota               | 1,314                  | 973                | 16                 | 45                    | 11.5                   | 10.9               | *                  | 11.5                  |
| Tennessee                  | 11,947                 | 7,681              | 3,242              | 837                   | 14.7                   | 13.7               | 19.8               | 12.1                  |
| Texas                      | 52,440                 | 17,597             | 7,910              | 25,216                | 13.6                   | 12.8               | 18.8               | 13.2                  |
| Utah                       | 5,898                  | 4,532              | 74                 | 959                   | 11.4                   | 11.0               | 17.0               | 12.7                  |
| Vermont                    | 568                    | 535                | 10                 | 4                     | 9.0                    | 9.0                | *                  | *                     |
| Virginia                   | 12,837                 | 6,982              | 3,696              | 1,457                 | 12.3                   | 11.2               | 16.7               | 11.2                  |
| Washington                 | 8,717                  | 5,288              | 434                | 1,675                 | 10.6                   | 9.9                | 13.5               | 11.3                  |
| West Virginia              | 3,003                  | 2,809              | 136                | 17                    | 14.4                   | 14.3               | 19.6               | *                     |
| Wisconsin                  | 8,114                  | 5,748              | 1,203              | 722                   | 11.4                   | 10.6               | 17.9               | 11.6                  |
| Wyoming                    | 944                    | 782                | 10                 | 92                    | 13.1                   | 13.1               | *                  | 11.1                  |
| Puerto Rico                | 9,961                  | 597                | 52                 | 9,309                 | 19.7                   | 20.4               | 32.5               | 19.6                  |
| Virgin Islands             | 244                    | 10                 | 164                | 52                    | 15.3                   | *                  | 16.5               | 13.9                  |
| Guam                       | 542                    | 22                 | 4                  | 12                    | 17.0                   | 8.8                | *                  | *                     |
| American Samoa             | ---                    | ---                | ---                | ---                   | ---                    | ---                | ---                | ---                   |
| Northern Marianas          | 175                    | ---                | ---                | ---                   | 13.1                   | ---                | ---                | ---                   |

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

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.



**Table 35. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2005**

| Age and race and Hispanic origin of mother | Low birthweight <sup>1</sup> |         | Birthweight <sup>2</sup> |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
|--|------------------------------|---------|--------------------------|---------------------|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|------------|
|  | Number                       | Percent | Total                    | Less than 500 grams | 500–999 grams | 1,000–1,499 grams | 1,500–1,999 grams | 2,000–2,499 grams | 2,500–2,999 grams | 3,000–3,499 grams | 3,500–3,999 grams | 4,000–4,499 grams | 4,500–4,999 grams | 5,000 grams or more | Not stated |
| <b>All races<sup>3</sup></b>               |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages . . . . .                         | 338,565                      | 8.2     | 4,138,349                | 6,599               | 23,864        | 31,325            | 66,453            | 210,324           | 748,042           | 1,596,944         | 1,114,887         | 289,098           | 42,119            | 4,715               | 3,979      |
| Under 15 years . . . . .                   | 892                          | 13.3    | 6,722                    | 25                  | 92            | 103               | 178               | 494               | 1,866             | 2,592             | 1,162             | 174               | 19                | 1                   | 16         |
| 15–19 years . . . . .                      | 41,525                       | 10.0    | 414,593                  | 867                 | 3,209         | 3,707             | 7,710             | 26,032            | 94,910            | 169,715           | 89,144            | 16,745            | 1,876             | 186                 | 492        |
| 15 years . . . . .                         | 2,100                        | 11.5    | 18,249                   | 61                  | 190           | 215               | 401               | 1,233             | 4,528             | 7,441             | 3,538             | 563               | 44                | 5                   | 30         |
| 16 years . . . . .                         | 4,484                        | 10.9    | 41,064                   | 75                  | 406           | 412               | 849               | 2,742             | 9,911             | 16,837            | 8,218             | 1,405             | 141               | 14                  | 54         |
| 17 years . . . . .                         | 7,597                        | 10.3    | 73,878                   | 146                 | 586           | 656               | 1,435             | 4,774             | 17,218            | 30,472            | 15,420            | 2,786             | 266               | 32                  | 87         |
| 18 years . . . . .                         | 11,814                       | 10.1    | 116,476                  | 275                 | 861           | 1,065             | 2,155             | 7,458             | 26,370            | 47,978            | 25,003            | 4,623             | 501               | 50                  | 137        |
| 19 years . . . . .                         | 15,530                       | 9.4     | 164,926                  | 310                 | 1,166         | 1,359             | 2,870             | 9,825             | 36,883            | 66,987            | 36,965            | 7,368             | 924               | 85                  | 184        |
| 20–24 years . . . . .                      | 86,321                       | 8.3     | 1,040,388                | 1,679               | 5,924         | 7,641             | 16,006            | 55,071            | 208,845           | 418,820           | 258,493           | 58,625            | 7,510             | 791                 | 983        |
| 25–29 years . . . . .                      | 83,247                       | 7.4     | 1,131,596                | 1,674               | 5,745         | 7,430             | 16,036            | 52,362            | 194,306           | 438,676           | 318,052           | 83,072            | 11,888            | 1,299               | 1,056      |
| 30–34 years . . . . .                      | 71,707                       | 7.5     | 950,691                  | 1,397               | 4,996         | 6,919             | 14,743            | 43,652            | 150,671           | 354,909           | 279,330           | 79,465            | 12,364            | 1,374               | 871        |
| 35–39 years . . . . .                      | 42,140                       | 8.7     | 483,156                  | 776                 | 3,017         | 4,241             | 8,961             | 25,145            | 77,876            | 173,727           | 139,211           | 42,023            | 6,891             | 848                 | 440        |
| 40–44 years . . . . .                      | 11,354                       | 10.8    | 104,667                  | 169                 | 813           | 1,143             | 2,441             | 6,788             | 18,217            | 36,525            | 28,150            | 8,603             | 1,503             | 206                 | 109        |
| 45–54 years . . . . .                      | 1,379                        | 21.1    | 6,536                    | 12                  | 68            | 141               | 378               | 780               | 1,351             | 1,980             | 1,345             | 391               | 68                | 10                  | 12         |
| <b>Non Hispanic white<sup>4</sup></b>      |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages . . . . .                         | 166,101                      | 7.3     | 2,279,768                | 2,497               | 10,015        | 14,967            | 33,687            | 104,935           | 364,726           | 857,136           | 672,270           | 187,269           | 27,541            | 2,840               | 1,885      |
| Under 15 years . . . . .                   | 147                          | 11.0    | 1,331                    | 3                   | 12            | 17                | 29                | 86                | 302               | 546               | 280               | 48                | 6                 | 1                   | 1          |
| 15–19 years . . . . .                      | 14,950                       | 9.1     | 165,005                  | 288                 | 1,056         | 1,335             | 2,839             | 9,432             | 33,650            | 66,161            | 40,392            | 8,589             | 996               | 97                  | 170        |
| 15 years . . . . .                         | 491                          | 10.4    | 4,702                    | 13                  | 56            | 46                | 108               | 268               | 1,001             | 1,908             | 1,078             | 190               | 22                | 2                   | 10         |
| 16 years . . . . .                         | 1,238                        | 9.8     | 12,675                   | 23                  | 104           | 126               | 243               | 742               | 2,692             | 5,078             | 2,996             | 595               | 51                | 7                   | 18         |
| 17 years . . . . .                         | 2,573                        | 9.7     | 26,487                   | 48                  | 183           | 225               | 516               | 1,601             | 5,400             | 10,618            | 6,437             | 1,286             | 137               | 13                  | 23         |
| 18 years . . . . .                         | 4,419                        | 9.3     | 47,329                   | 104                 | 292           | 399               | 828               | 2,796             | 9,552             | 19,125            | 11,493            | 2,396             | 274               | 25                  | 45         |
| 19 years . . . . .                         | 6,229                        | 8.4     | 73,812                   | 100                 | 421           | 539               | 1,144             | 4,025             | 15,005            | 29,432            | 18,388            | 4,122             | 512               | 50                  | 74         |
| 20–24 years . . . . .                      | 38,062                       | 7.4     | 515,518                  | 554                 | 2,329         | 3,269             | 7,244             | 24,666            | 93,832            | 203,953           | 140,105           | 34,184            | 4,491             | 456                 | 435        |
| 25–29 years . . . . .                      | 42,408                       | 6.6     | 642,553                  | 681                 | 2,533         | 3,716             | 8,356             | 27,122            | 98,844            | 243,625           | 195,010           | 53,749            | 7,654             | 778                 | 485        |
| 30–34 years . . . . .                      | 39,512                       | 6.8     | 581,645                  | 563                 | 2,299         | 3,683             | 8,471             | 24,496            | 82,092            | 211,959           | 183,371           | 54,916            | 8,464             | 834                 | 497        |
| 35–39 years . . . . .                      | 23,812                       | 7.8     | 305,142                  | 327                 | 1,357         | 2,288             | 5,180             | 14,660            | 44,818            | 107,484           | 93,825            | 29,617            | 4,826             | 526                 | 234        |
| 40–44 years . . . . .                      | 6,320                        | 9.8     | 64,352                   | 75                  | 388           | 582               | 1,315             | 3,960             | 10,345            | 22,154            | 18,386            | 5,900             | 1,055             | 139                 | 53         |
| 45–54 years . . . . .                      | 890                          | 21.1    | 4,222                    | 6                   | 41            | 77                | 253               | 513               | 843               | 1,254             | 901               | 266               | 49                | 9                   | 10         |

See footnotes at end of table.

**Table 35. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2005—Con.**

| Age and race and Hispanic origin of mother | Low birthweight <sup>1</sup> |         | Birthweight <sup>2</sup> |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
|--|------------------------------|---------|--------------------------|---------------------|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|------------|
|  | Number                       | Percent | Total                    | Less than 500 grams | 500–999 grams | 1,000–1,499 grams | 1,500–1,999 grams | 2,000–2,499 grams | 2,500–2,999 grams | 3,000–3,499 grams | 3,500–3,999 grams | 4,000–4,499 grams | 4,500–4,999 grams | 5,000 grams or more | Not stated |
| <b>Non Hispanic black<sup>4</sup></b>      |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages . . . . .                         | 81,674                       | 14.0    | 583,759                  | 2,477               | 8,014         | 8,573             | 15,764            | 46,846            | 144,803           | 221,819           | 108,698           | 22,149            | 3,203             | 405                 | 1,008      |
| Under 15 years . . . . .                   | 463                          | 17.2    | 2,697                    | 15                  | 54            | 50                | 95                | 249               | 862               | 960               | 358               | 43                | 1                 | –                   | –          |
| 15–19 years . . . . .                      | 14,165                       | 14.6    | 96,813                   | 376                 | 1,301         | 1,355             | 2,655             | 8,478             | 27,382            | 37,832            | 14,867            | 2,151             | 205               | 24                  | 187        |
| 15 years . . . . .                         | 836                          | 14.9    | 5,602                    | 29                  | 77            | 87                | 162               | 481               | 1,664             | 2,157             | 811               | 114               | 5                 | 1                   | 14         |
| 16 years . . . . .                         | 1,636                        | 15.1    | 10,829                   | 35                  | 158           | 149               | 310               | 984               | 3,156             | 4,193             | 1,605             | 200               | 19                | 1                   | 19         |
| 17 years . . . . .                         | 2,597                        | 14.6    | 17,747                   | 67                  | 244           | 244               | 454               | 1,588             | 5,024             | 7,035             | 2,634             | 387               | 32                | 4                   | 34         |
| 18 years . . . . .                         | 3,950                        | 14.8    | 26,627                   | 101                 | 336           | 391               | 742               | 2,380             | 7,494             | 10,413            | 4,065             | 592               | 55                | 6                   | 52         |
| 19 years . . . . .                         | 5,146                        | 14.3    | 36,008                   | 144                 | 486           | 484               | 987               | 3,045             | 10,044            | 14,034            | 5,752             | 858               | 94                | 12                  | 68         |
| 20–24 years . . . . .                      | 25,779                       | 13.7    | 188,673                  | 724                 | 2,280         | 2,595             | 4,788             | 15,392            | 49,573            | 73,820            | 32,629            | 5,736             | 749               | 78                  | 309        |
| 25–29 years . . . . .                      | 18,740                       | 13.1    | 142,885                  | 602                 | 1,820         | 1,939             | 3,603             | 10,776            | 33,955            | 54,436            | 28,316            | 6,178             | 897               | 117                 | 246        |
| 30–34 years . . . . .                      | 12,643                       | 13.7    | 92,336                   | 454                 | 1,423         | 1,442             | 2,541             | 6,783             | 19,954            | 33,948            | 20,012            | 4,729             | 786               | 108                 | 156        |
| 35–39 years . . . . .                      | 7,507                        | 15.8    | 47,411                   | 254                 | 906           | 901               | 1,527             | 3,919             | 10,226            | 16,513            | 9,940             | 2,618             | 461               | 67                  | 79         |
| 40–44 years . . . . .                      | 2,212                        | 18.0    | 12,256                   | 50                  | 217           | 272               | 513               | 1,160             | 2,693             | 4,092             | 2,464             | 662               | 103               | 10                  | 20         |
| 45–54 years . . . . .                      | 165                          | 24.0    | 688                      | 2                   | 13            | 19                | 42                | 89                | 158               | 218               | 112               | 32                | 1                 | 1                   | 1          |
| <b>Hispanic<sup>5</sup></b>                |                              |         |                          |                     |               |                   |                   |                   |                   |                   |                   |                   |                   |                     |            |
| All ages . . . . .                         | 67,796                       | 6.9     | 985,505                  | 1,212               | 4,586         | 5,988             | 12,710            | 43,300            | 176,438           | 399,295           | 266,338           | 64,704            | 9,167             | 1,174               | 593        |
| Under 15 years . . . . .                   | 252                          | 10.2    | 2,466                    | 6                   | 22            | 34                | 48                | 142               | 642               | 1,000             | 483               | 75                | 11                | –                   | –          |
| 15–19 years . . . . .                      | 10,980                       | 8.0     | 136,906                  | 177                 | 752           | 908               | 1,950             | 7,193             | 30,356            | 59,319            | 30,279            | 5,246             | 570               | 50                  | 106        |
| 15 years . . . . .                         | 714                          | 9.9     | 7,241                    | 17                  | 53            | 73                | 118               | 453               | 1,714             | 3,072             | 1,499             | 223               | 14                | 1                   | 4          |
| 16 years . . . . .                         | 1,453                        | 9.1     | 15,928                   | 17                  | 136           | 125               | 275               | 900               | 3,705             | 6,895             | 3,257             | 540               | 63                | 5                   | 10         |
| 17 years . . . . .                         | 2,154                        | 8.0     | 26,877                   | 29                  | 136           | 168               | 401               | 1,420             | 6,133             | 11,744            | 5,741             | 988               | 80                | 12                  | 25         |
| 18 years . . . . .                         | 3,045                        | 8.0     | 38,090                   | 60                  | 210           | 249               | 515               | 2,011             | 8,373             | 16,618            | 8,443             | 1,425             | 140               | 14                  | 32         |
| 19 years . . . . .                         | 3,614                        | 7.4     | 48,770                   | 54                  | 217           | 293               | 641               | 2,409             | 10,431            | 20,990            | 11,339            | 2,070             | 273               | 18                  | 35         |
| 20–24 years . . . . .                      | 18,731                       | 6.5     | 287,896                  | 319                 | 1,095         | 1,494             | 3,377             | 12,446            | 54,868            | 121,320           | 74,552            | 16,127            | 1,910             | 220                 | 168        |
| 25–29 years . . . . .                      | 16,305                       | 6.1     | 266,590                  | 291                 | 1,133         | 1,365             | 3,060             | 10,456            | 44,209            | 107,357           | 76,211            | 19,248            | 2,770             | 330                 | 160        |
| 30–34 years . . . . .                      | 12,624                       | 6.8     | 186,398                  | 267                 | 922           | 1,262             | 2,386             | 7,787             | 29,198            | 71,610            | 54,816            | 15,260            | 2,460             | 333                 | 97         |
| 35–39 years . . . . .                      | 6,967                        | 8.1     | 85,739                   | 121                 | 521           | 719               | 1,464             | 4,142             | 13,733            | 31,697            | 24,717            | 7,194             | 1,185             | 199                 | 47         |
| 40–44 years . . . . .                      | 1,799                        | 9.7     | 18,597                   | 29                  | 131           | 188               | 388               | 1,063             | 3,250             | 6,678             | 5,070             | 1,497             | 249               | 42                  | 12         |
| 45–54 years . . . . .                      | 138                          | 15.1    | 913                      | 2                   | 10            | 18                | 37                | 71                | 182               | 314               | 210               | 57                | 12                | –                   | –          |

– Quantity zero.

<sup>1</sup>Less than 2,500 grams (5 lb 8 oz).

<sup>2</sup>Equivalents of gram weights in terms of pounds and ounces are shown in "Technical Notes."

<sup>3</sup>Includes races other than white and black and origin not stated.

<sup>4</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>5</sup>Includes all persons of Hispanic origin of any race.

**Table 36. Number and percentage of births of low birthweight, by race and Hispanic origin of mother: United States, each state and territory, 2005**

[By place of residence. Low birthweight is birthweight of less than 2,500 grams (5 lb 8 oz)]

| State                      | Number                 |                    |                    |                       | Percent                |                    |                    |                       |
|----------------------------|------------------------|--------------------|--------------------|-----------------------|------------------------|--------------------|--------------------|-----------------------|
|                            | All races <sup>1</sup> | Non-Hispanic       |                    |                       | All races <sup>1</sup> | Non-Hispanic       |                    |                       |
|                            |                        | White <sup>2</sup> | Black <sup>2</sup> | Hispanic <sup>3</sup> |                        | White <sup>2</sup> | Black <sup>2</sup> | Hispanic <sup>3</sup> |
| United States <sup>4</sup> | 338,565                | 166,101            | 81,674             | 67,796                | 8.2                    | 7.3                | 14.0               | 6.9                   |
| Alabama                    | 6,429                  | 3,262              | 2,797              | 288                   | 10.7                   | 8.8                | 15.5               | 7.2                   |
| Alaska                     | 635                    | 339                | 58                 | 42                    | 6.1                    | 5.7                | 15.5               | 5.4                   |
| Arizona                    | 6,673                  | 2,767              | 392                | 2,772                 | 6.9                    | 6.9                | 13.0               | 6.5                   |
| Arkansas                   | 3,498                  | 2,050              | 1,073              | 291                   | 8.9                    | 7.7                | 14.5               | 7.2                   |
| California                 | 37,630                 | 10,386             | 3,842              | 17,573                | 6.9                    | 6.5                | 12.6               | 6.2                   |
| Colorado                   | 6,325                  | 3,705              | 452                | 1,888                 | 9.2                    | 8.9                | 15.3               | 8.7                   |
| Connecticut                | 3,317                  | 1,786              | 656                | 664                   | 8.0                    | 6.8                | 13.5               | 8.3                   |
| Delaware                   | 1,106                  | 496                | 427                | 119                   | 9.5                    | 7.7                | 14.9               | 7.2                   |
| District of Columbia       | 888                    | 146                | 646                | 78                    | 11.2                   | 7.1                | 14.1               | 7.0                   |
| Florida                    | 19,761                 | 8,045              | 6,547              | 4,478                 | 8.7                    | 7.6                | 13.6               | 7.0                   |
| Georgia                    | 13,498                 | 5,088              | 6,521              | 1,327                 | 9.5                    | 7.5                | 14.4               | 6.1                   |
| Hawaii                     | 1,468                  | 276                | 44                 | 243                   | 8.2                    | 6.6                | 10.8               | 8.7                   |
| Idaho                      | 1,538                  | 1,243              | 6                  | 225                   | 6.7                    | 6.7                | *                  | 6.5                   |
| Illinois                   | 15,265                 | 6,941              | 4,576              | 2,929                 | 8.5                    | 7.3                | 15.1               | 6.7                   |
| Indiana                    | 7,232                  | 5,226              | 1,313              | 534                   | 8.3                    | 7.8                | 13.4               | 6.7                   |
| Iowa                       | 2,814                  | 2,334              | 184                | 190                   | 7.2                    | 7.0                | 12.5               | 6.1                   |
| Kansas                     | 2,860                  | 2,014              | 387                | 357                   | 7.2                    | 6.9                | 13.7               | 5.8                   |
| Kentucky                   | 5,126                  | 4,224              | 654                | 176                   | 9.1                    | 8.8                | 13.5               | 7.0                   |
| Louisiana                  | 6,987                  | 2,911              | 3,821              | 137                   | 11.5                   | 8.7                | 16.0               | 7.2                   |
| Maine                      | 957                    | 903                | 23                 | 8                     | 6.8                    | 6.8                | 9.0                | *                     |
| Maryland                   | 6,844                  | 2,641              | 3,185              | 625                   | 9.1                    | 7.1                | 13.1               | 7.2                   |
| Massachusetts              | 6,063                  | 3,919              | 804                | 844                   | 7.9                    | 7.3                | 11.9               | 8.3                   |
| Michigan                   | 10,615                 | 6,202              | 3,238              | 556                   | 8.3                    | 7.0                | 14.7               | 6.5                   |
| Minnesota                  | 4,628                  | 3,161              | 654                | 311                   | 6.5                    | 6.0                | 11.3               | 5.7                   |
| Mississippi                | 5,016                  | 1,905              | 2,996              | 60                    | 11.8                   | 8.7                | 16.1               | 5.1                   |
| Missouri                   | 6,347                  | 4,270              | 1,642              | 267                   | 8.1                    | 7.0                | 14.3               | 6.3                   |
| Montana                    | 767                    | 586                | 9                  | 32                    | 6.6                    | 6.3                | *                  | 8.1                   |
| Nebraska                   | 1,818                  | 1,285              | 200                | 251                   | 7.0                    | 6.5                | 13.1               | 6.5                   |
| Nevada                     | 3,080                  | 1,287              | 444                | 969                   | 8.3                    | 7.8                | 14.8               | 6.9                   |
| New Hampshire              | 1,001                  | 873                | 21                 | 39                    | 7.0                    | 6.8                | 11.3               | 7.5                   |
| New Jersey                 | 9,313                  | 4,107              | 2,243              | 2,030                 | 8.2                    | 7.1                | 13.4               | 7.3                   |
| New Mexico                 | 2,460                  | 741                | 69                 | 1,334                 | 8.5                    | 8.8                | 14.4               | 8.4                   |
| New York                   | 20,420                 | 8,727              | 5,508              | 4,460                 | 8.3                    | 7.0                | 13.2               | 7.8                   |
| North Carolina             | 11,308                 | 5,536              | 4,102              | 1,227                 | 9.2                    | 7.9                | 14.6               | 6.3                   |
| North Dakota               | 535                    | 427                | 12                 | 10                    | 6.4                    | 6.3                | *                  | *                     |
| Ohio                       | 12,882                 | 8,908              | 3,131              | 432                   | 8.7                    | 7.8                | 13.9               | 7.1                   |
| Oklahoma                   | 4,131                  | 2,561              | 671                | 418                   | 8.0                    | 7.5                | 14.2               | 6.7                   |
| Oregon                     | 2,793                  | 1,925              | 109                | 526                   | 6.1                    | 6.0                | 11.4               | 5.7                   |
| Pennsylvania               | 12,094                 | 7,729              | 2,641              | 1,074                 | 8.4                    | 7.3                | 13.5               | 8.8                   |
| Rhode Island               | 985                    | 467                | 118                | 220                   | 7.8                    | 7.1                | 10.3               | 8.6                   |
| South Carolina             | 5,885                  | 2,552              | 2,857              | 359                   | 10.2                   | 7.8                | 15.3               | 7.2                   |
| South Dakota               | 754                    | 589                | 12                 | 16                    | 6.6                    | 6.6                | *                  | *                     |
| Tennessee                  | 7,748                  | 4,726              | 2,449              | 423                   | 9.5                    | 8.4                | 14.9               | 6.1                   |
| Texas                      | 31,956                 | 10,507             | 5,956              | 14,265                | 8.3                    | 7.7                | 14.2               | 7.5                   |
| Utah                       | 3,520                  | 2,734              | 46                 | 539                   | 6.8                    | 6.6                | 10.6               | 7.1                   |
| Vermont                    | 393                    | 370                | 7                  | 1                     | 6.2                    | 6.2                | *                  | *                     |
| Virginia                   | 8,573                  | 4,451              | 2,805              | 801                   | 8.2                    | 7.2                | 12.7               | 6.1                   |
| Washington                 | 5,041                  | 2,986              | 316                | 912                   | 6.1                    | 5.6                | 9.8                | 6.1                   |
| West Virginia              | 1,990                  | 1,862              | 91                 | 5                     | 9.6                    | 9.4                | 13.1               | *                     |
| Wisconsin                  | 4,977                  | 3,402              | 910                | 403                   | 7.0                    | 6.3                | 13.6               | 6.4                   |
| Wyoming                    | 621                    | 523                | 9                  | 68                    | 8.6                    | 8.8                | *                  | 8.2                   |
| Puerto Rico                | 6,470                  | 384                | 40                 | 6,043                 | 12.8                   | 13.2               | 25.3               | 12.8                  |
| Virgin Islands             | 178                    | 6                  | 128                | 30                    | 11.2                   | *                  | 12.9               | 8.0                   |
| Guam                       | 278                    | 11                 | -                  | 5                     | 8.8                    | *                  | -                  | *                     |
| American Samoa             | 65                     | -                  | -                  | -                     | 3.8                    | -                  | -                  | -                     |
| Northern Marianas          | 99                     | -                  | -                  | -                     | 7.4                    | -                  | -                  | -                     |

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

--- Data not available. -Quantity zero. <sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 37. Number and percentage of births of very low birthweight, by race and Hispanic origin of mother: United States, each state and territory, 2005**

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams (3 lb 4 oz)]

| State                      | Number                 |                    |                    |                       | Percent                |                    |                    |                       |
|----------------------------|------------------------|--------------------|--------------------|-----------------------|------------------------|--------------------|--------------------|-----------------------|
|                            | All races <sup>1</sup> | Non-Hispanic       |                    | Hispanic <sup>3</sup> | All races <sup>1</sup> | Non-Hispanic       |                    | Hispanic <sup>3</sup> |
|                            |                        | White <sup>2</sup> | Black <sup>2</sup> |                       |                        | White <sup>2</sup> | Black <sup>2</sup> |                       |
| United States <sup>4</sup> | 61,788                 | 27,479             | 19,064             | 11,786                | 1.5                    | 1.2                | 3.3                | 1.2                   |
| Alabama                    | 1,277                  | 550                | 662                | 47                    | 2.1                    | 1.5                | 3.7                | 1.2                   |
| Alaska                     | 98                     | 45                 | 13                 | 4                     | 0.9                    | 0.8                | *                  | *                     |
| Arizona                    | 1,114                  | 431                | 84                 | 499                   | 1.2                    | 1.1                | 2.8                | 1.2                   |
| Arkansas                   | 638                    | 325                | 255                | 44                    | 1.6                    | 1.2                | 3.4                | 1.1                   |
| California                 | 6,749                  | 1,729              | 890                | 3,203                 | 1.2                    | 1.1                | 2.9                | 1.1                   |
| Colorado                   | 884                    | 487                | 75                 | 291                   | 1.3                    | 1.2                | 2.5                | 1.3                   |
| Connecticut                | 668                    | 302                | 186                | 151                   | 1.6                    | 1.1                | 3.8                | 1.9                   |
| Delaware                   | 243                    | 94                 | 113                | 23                    | 2.1                    | 1.5                | 3.9                | 1.4                   |
| District of Columbia       | 208                    | 18                 | 175                | 10                    | 2.6                    | *                  | 3.8                | *                     |
| Florida                    | 3,603                  | 1,237              | 1,493              | 767                   | 1.6                    | 1.2                | 3.1                | 1.2                   |
| Georgia                    | 2,604                  | 797                | 1,506              | 210                   | 1.8                    | 1.2                | 3.3                | 1.0                   |
| Hawaii                     | 244                    | 42                 | 14                 | 38                    | 1.4                    | 1.0                | *                  | 1.4                   |
| Idaho                      | 251                    | 222                | —                  | 21                    | 1.1                    | 1.2                | *                  | 0.6                   |
| Illinois                   | 2,884                  | 1,187              | 1,039              | 535                   | 1.6                    | 1.2                | 3.4                | 1.2                   |
| Indiana                    | 1,311                  | 879                | 320                | 100                   | 1.5                    | 1.3                | 3.3                | 1.2                   |
| Iowa                       | 525                    | 425                | 40                 | 37                    | 1.3                    | 1.3                | 2.7                | 1.2                   |
| Kansas                     | 528                    | 356                | 91                 | 67                    | 1.3                    | 1.2                | 3.2                | 1.1                   |
| Kentucky                   | 900                    | 704                | 151                | 32                    | 1.6                    | 1.5                | 3.1                | 1.3                   |
| Louisiana                  | 1,368                  | 473                | 845                | 30                    | 2.2                    | 1.4                | 3.5                | 1.6                   |
| Maine                      | 177                    | 166                | 5                  | 1                     | 1.3                    | 1.2                | *                  | *                     |
| Maryland                   | 1,381                  | 460                | 782                | 101                   | 1.8                    | 1.2                | 3.2                | 1.2                   |
| Massachusetts              | 1,078                  | 643                | 193                | 165                   | 1.4                    | 1.2                | 2.9                | 1.6                   |
| Michigan                   | 2,072                  | 1,065              | 799                | 116                   | 1.6                    | 1.2                | 3.6                | 1.3                   |
| Minnesota                  | 862                    | 569                | 157                | 52                    | 1.2                    | 1.1                | 2.7                | 0.9                   |
| Mississippi                | 972                    | 283                | 673                | 4                     | 2.3                    | 1.3                | 3.6                | *                     |
| Missouri                   | 1,166                  | 706                | 388                | 51                    | 1.5                    | 1.2                | 3.4                | 1.2                   |
| Montana                    | 110                    | 85                 | 1                  | 6                     | 1.0                    | 0.9                | *                  | *                     |
| Nebraska                   | 307                    | 212                | 37                 | 44                    | 1.2                    | 1.1                | 2.4                | 1.1                   |
| Nevada                     | 474                    | 177                | 108                | 147                   | 1.3                    | 1.1                | 3.6                | 1.0                   |
| New Hampshire              | 181                    | 158                | 5                  | 10                    | 1.3                    | 1.2                | *                  | *                     |
| New Jersey                 | 1,751                  | 664                | 602                | 348                   | 1.5                    | 1.1                | 3.6                | 1.2                   |
| New Mexico                 | 362                    | 96                 | 13                 | 202                   | 1.3                    | 1.1                | *                  | 1.3                   |
| New York                   | 3,731                  | 1,408              | 1,311              | 789                   | 1.5                    | 1.1                | 3.1                | 1.4                   |
| North Carolina             | 2,259                  | 943                | 1,043              | 212                   | 1.8                    | 1.3                | 3.7                | 1.1                   |
| North Dakota               | 99                     | 82 <sup>2</sup>    | 1                  | 1.2                   | 1.2                    | *                  | *                  |                       |
| Ohio                       | 2,380                  | 1,528              | 710                | 68                    | 1.6                    | 1.3                | 3.2                | 1.1                   |
| Oklahoma                   | 732                    | 447                | 146                | 69                    | 1.4                    | 1.3                | 3.1                | 1.1                   |
| Oregon                     | 460                    | 336                | 14                 | 81                    | 1.0                    | 1.0                | *                  | 0.9                   |
| Pennsylvania               | 2,286                  | 1,340              | 613                | 217                   | 1.6                    | 1.3                | 3.1                | 1.8                   |
| Rhode Island               | 189                    | 82                 | 28                 | 48                    | 1.5                    | 1.2                | 2.4                | 1.9                   |
| South Carolina             | 1,178                  | 442                | 654                | 65                    | 2.0                    | 1.3                | 3.5                | 1.3                   |
| South Dakota               | 128                    | 93                 | 4                  | 1                     | 1.1                    | 1.0                | *                  | *                     |
| Tennessee                  | 1,383                  | 755                | 531                | 76                    | 1.7                    | 1.3                | 3.2                | 1.1                   |
| Texas                      | 5,587                  | 1,815              | 1,303              | 2,336                 | 1.4                    | 1.3                | 3.1                | 1.2                   |
| Utah                       | 528                    | 408                | 7                  | 86                    | 1.0                    | 1.0                | *                  | 1.1                   |
| Vermont                    | 75                     | 68                 | 2                  | —                     | 1.2                    | 1.1                | *                  | *                     |
| Virginia                   | 1,716                  | 810                | 671                | 154                   | 1.6                    | 1.3                | 3.0                | 1.2                   |
| Washington                 | 743                    | 419                | 58                 | 138                   | 0.9                    | 0.8                | 1.8                | 0.9                   |
| West Virginia              | 336                    | 306                | 19                 | 2                     | 1.6                    | 1.6                | *                  | *                     |
| Wisconsin                  | 904                    | 541                | 230                | 81                    | 1.3                    | 1.0                | 3.4                | 1.3                   |
| Wyoming                    | 84                     | 69                 | 3                  | 6                     | 1.2                    | 1.2                | *                  | *                     |
| Puerto Rico                | 718                    | 42                 | 7                  | 668                   | 1.4                    | 1.4                | *                  | 1.4                   |
| Virgin Islands             | 38                     | 1                  | 28                 | 6                     | 2.4                    | *                  | 2.8                | *                     |
| Guam                       | 44                     | 3                  | —                  | —                     | 1.4                    | *                  | *                  | *                     |
| American Samoa             | 5                      | ---                | ---                | ---                   | *                      | ---                | ---                | ---                   |
| Northern Marianas          | 13                     | ---                | ---                | ---                   | *                      | ---                | ---                | ---                   |

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator. — Quantity zero. --- Data not available.

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Excludes data for the territories.

**Table 38. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2005**

| 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 <sup>1</sup>                                       | 4,138,349     | 6,722          | 414,593     | 133,191     | 281,402     | 1,040,388   | 1,131,596   | 950,691     | 483,156     | 104,667     | 6,536       |
| Non-Hispanic white <sup>2</sup>                              | 2,279,768     | 1,331          | 165,005     | 43,864      | 121,141     | 515,518     | 642,553     | 581,645     | 305,142     | 64,352      | 4,222       |
| Non-Hispanic black <sup>2</sup>                              | 583,759       | 2,697          | 96,813      | 34,178      | 62,635      | 188,673     | 142,885     | 92,336      | 47,411      | 12,256      | 688         |
| Hispanic <sup>3</sup>  | 985,505       | 2,466          | 136,906     | 50,046      | 86,860      | 287,896     | 266,590     | 186,398     | 85,739      | 18,597      | 913         |
| Live births in single deliveries                             |               |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup>                                       | 3,998,533     | 6,644          | 407,609     | 131,312     | 276,297     | 1,016,594   | 1,095,389   | 910,198     | 458,344     | 98,628      | 5,127       |
| Non-Hispanic white <sup>2</sup>                              | 2,192,579     | 1,321          | 162,352     | 43,269      | 119,083     | 504,217     | 620,388     | 553,797     | 287,459     | 59,874      | 3,171       |
| Non-Hispanic black <sup>2</sup>                              | 561,889       | 2,655          | 94,575      | 33,574      | 61,001      | 182,134     | 136,861     | 88,159      | 45,139      | 11,752      | 614         |
| Hispanic <sup>3</sup>  | 963,021       | 2,444          | 135,012     | 49,427      | 85,585      | 282,769     | 260,466     | 180,860     | 82,675      | 17,983      | 812         |
| Live births in twin deliveries                               |               |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup>                                       | 133,122       | 78             | 6,901       | 1,860       | 5,041       | 23,329      | 34,572      | 38,050      | 23,208      | 5,695       | 1,289       |
| Non-Hispanic white <sup>2</sup>                              | 82,223        | 10             | 2,635       | 592         | 2,043       | 11,037      | 20,963      | 25,918      | 16,467      | 4,229       | 964         |
| Non-Hispanic black <sup>2</sup>                              | 21,254        | 42             | 2,197       | 591         | 1,606       | 6,406       | 5,862       | 4,055       | 2,164       | 460         | 68          |
| Hispanic <sup>3</sup>  | 21,723        | 22             | 1,873       | 619         | 1,254       | 5,067       | 5,922       | 5,288       | 2,876       | 583         | 92          |
| Live births in higher order multiple deliveries <sup>4</sup> |               |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup>                                       | 6,694         | -              | 83          | 19          | 64          | 465         | 1,635       | 2,443       | 1,604       | 344         | 120         |
| Non-Hispanic white <sup>2</sup>                              | 4,966         | -              | 18          | 3           | 15          | 264         | 1,202       | 1,930       | 1,216       | 249         | 87          |
| Non-Hispanic black <sup>2</sup>                              | 616           | -              | 41          | 13          | 28          | 133         | 162         | 122         | 108         | 44          | 6           |
| Hispanic <sup>3</sup>  | 761           | -              | 21          | -           | 21          | 60          | 202         | 250         | 188         | 31          | 9           |
| All multiple births  |               |                |             |             |             |             |             |             |             |             |             |
| Ratio per 1,000 live births                                  |               |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup>                                       | 33.8          | 11.6           | 16.8        | 14.1        | 18.1        | 22.9        | 32.0        | 42.6        | 51.4        | 57.7        | 215.6       |
| Non-Hispanic white <sup>2</sup>                              | 38.2          | *              | 16.1        | 13.6        | 17.0        | 21.9        | 34.5        | 47.9        | 58.0        | 69.6        | 248.9       |
| Non-Hispanic black <sup>2</sup>                              | 37.5          | 15.6           | 23.1        | 17.7        | 26.1        | 34.7        | 42.2        | 45.2        | 47.9        | 41.1        | 107.6       |
| Hispanic <sup>3</sup>  | 22.8          | 8.9            | 13.8        | 12.4        | 14.7        | 17.8        | 23.0        | 29.7        | 35.7        | 33.0        | 110.6       |
| Twin births  |               |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup>                                       | 32.2          | 11.6           | 16.6        | 14.0        | 17.9        | 22.4        | 30.6        | 40.0        | 48.0        | 54.4        | 197.2       |
| Non-Hispanic white <sup>2</sup>                              | 36.1          | *              | 16.0        | 13.5        | 16.9        | 21.4        | 32.6        | 44.6        | 54.0        | 65.7        | 228.3       |
| Non-Hispanic black <sup>2</sup>                              | 36.4          | 15.6           | 22.7        | 17.3        | 25.6        | 34.0        | 41.0        | 43.9        | 45.6        | 37.5        | 98.8        |
| Hispanic <sup>3</sup>  | 22.0          | 8.9            | 13.7        | 12.4        | 14.4        | 17.6        | 22.2        | 28.4        | 33.5        | 31.3        | 100.8       |
| Higher order multiple births <sup>4</sup>                    |               |                |             |             |             |             |             |             |             |             |             |
| Ratio per 100,000 live births                                |               |                |             |             |             |             |             |             |             |             |             |
| All races <sup>1</sup>                                       | 161.8         | *              | 20.0        | *           | 22.7        | 44.7        | 144.5       | 257.0       | 332.0       | 328.7       | 1836.0      |
| Non-Hispanic white <sup>2</sup>                              | 217.8         | *              | *           | *           | *           | 51.2        | 187.1       | 331.8       | 398.5       | 386.9       | 2060.6      |
| Non-Hispanic black <sup>2</sup>                              | 105.5         | *              | 42.3        | *           | 44.7        | 70.5        | 113.4       | 132.1       | 227.8       | 359.0       | *           |
| Hispanic <sup>3</sup>  | 77.2          | *              | 15.3        | *           | 24.2        | 20.8        | 75.8        | 134.1       | 219.3       | 166.7       | *           |

- Quantity zero.

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

<sup>1</sup>Includes races other than white and black and origin not stated.<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."<sup>3</sup>Includes all persons of Hispanic origin of any race.<sup>4</sup>Births in greater than twin deliveries.

**Table 39. Numbers and rates of twin and triplet and higher order multiple births, by race and Hispanic origin of mother, United States: 1980–2005**

| Year and race and<br>Hispanic origin of mother | Total<br>births | Twin<br>births | Triplet/+<br>births | Twin<br>birth rate <sup>1</sup> | Multiple<br>birth rate <sup>2</sup> | Triplet/+<br>birth rate <sup>3</sup> |
|--|-----------------|----------------|---------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>All races<sup>4</sup></b>                   |                 |                |                     |                                 |                                     |                                      |
| 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                                 |
| <b>Non-Hispanic white<sup>5</sup></b>          |                 |                |                     |                                 |                                     |                                      |
| 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   | 2,283,986       | 71,270         | 6,206               | 30.2                            | 32.8                                | 262.8                                |
| 1997   | 2,333,363       | 67,191         | 5,386               | 28.8                            | 31.1                                | 230.8                                |
| 1996   | 2,358,989       | 65,523         | 4,885               | 27.8                            | 29.8                                | 207.1                                |
| 1995   | 2,382,638       | 62,370         | 4,050               | 26.2                            | 27.9                                | 170.0                                |
| 1994   | 2,438,855       | 62,476         | 3,721               | 25.6                            | 27.1                                | 152.6                                |
| 1993   | 2,472,031       | 61,525         | 3,360               | 24.9                            | 26.2                                | 135.9                                |
| 1992 <sup>6</sup>                              | 2,527,207       | 60,640         | 3,115               | 24.0                            | 25.2                                | 123.3                                |
| 1991 <sup>6</sup>                              | 2,589,878       | 60,904         | 2,612               | 23.5                            | 24.5                                | 100.9                                |
| 1990 <sup>7</sup>                              | 2,626,500       | 60,210         | 2,358               | 22.9                            | 23.8                                | 89.8                                 |
| <b>Non-Hispanic black<sup>5</sup></b>          |                 |                |                     |                                 |                                     |                                      |
| 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 <sup>6</sup>                              | 657,450         | 18,294         | 346                 | 27.8                            | 28.4                                | 52.6                                 |
| 1991 <sup>6</sup>                              | 666,758         | 18,243         | 367                 | 27.4                            | 27.9                                | 55.0                                 |
| 1990 <sup>7</sup>                              | 661,701         | 17,646         | 306                 | 26.7                            | 27.1                                | 46.2                                 |

See footnotes at end of table.

**Table 39. Numbers and rates of twin and triplet and higher order multiple births, by race and Hispanic origin of mother, United States: 1980–2005—Con.**

| Year and race and<br>Hispanic origin of mother | Total<br>births | Twin<br>births | Triplet/+<br>births | Twin<br>birth rate <sup>1</sup> | Multiple<br>birth rate <sup>2</sup> | Triplet/+<br>birth rate <sup>3</sup> |
|--|-----------------|----------------|---------------------|---------------------------------|-------------------------------------|--------------------------------------|
| Hispanic <sup>8</sup>                          |                 |                |                     |                                 |                                     |                                      |
| 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 <sup>6</sup> . . . . .                    | 643,271         | 11,932         | 239                 | 18.5                            | 18.9                                | 37.2                                 |
| 1991 <sup>6</sup> . . . . .                    | 623,085         | 11,356         | 235                 | 18.2                            | 18.6                                | 37.7                                 |
| 1990 <sup>7</sup> . . . . .                    | 595,073         | 10,713         | 235                 | 18.0                            | 18.4                                | 39.5                                 |

<sup>1</sup>The number of live births in twin deliveries per 1,000 live births.

<sup>2</sup>The number of live births in all multiple deliveries per 1,000 live births.

<sup>3</sup>The number of live births in triplet and other higher-order deliveries per 100,000 live births.

<sup>4</sup>Includes races other than those shown.

<sup>5</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget standards. Nineteen states reported multiple-race data for 2005. Multiple-race data for these states were bridged to the single-race categories of the 1977 Office of Management and Budget standards for comparability with other states; see "Technical Notes."

<sup>6</sup>Excludes data for New Hampshire, which did not report Hispanic origin.

<sup>7</sup>Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

<sup>8</sup>Includes all persons of Hispanic origin of any race.

**Table 40. Twin and triplet and higher order multiple birth rates by state: United States and each state, 2002–2005**

| Twin                           |         |                            | Triplet or higher <sup>1</sup> |        |                              |
|--------------------------------|---------|----------------------------|--------------------------------|--------|------------------------------|
| State                          | Number  | Rate per 1,000 live births | State                          | Number | Rate per 100,000 live births |
| United States . . . . .        | 394,006 | 31.9                       | United States . . . . .        | 21,632 | 175.3                        |
| Alabama . . . . .              | 5,774   | 32.2                       | Alabama . . . . .              | 356    | 198.3                        |
| Alaska . . . . .               | 832     | 26.9                       | Alaska . . . . .               | 21     | 68.0                         |
| Arizona . . . . .              | 7,451   | 26.5                       | Arizona . . . . .              | 463    | 164.9                        |
| Arkansas . . . . .             | 3,393   | 29.4                       | Arkansas . . . . .             | 116    | 100.4                        |
| California . . . . .           | 47,394  | 29.0                       | California . . . . .           | 2,445  | 149.6                        |
| Colorado . . . . .             | 6,545   | 31.7                       | Colorado . . . . .             | 318    | 153.8                        |
| Connecticut . . . . .          | 5,261   | 41.5                       | Connecticut . . . . .          | 311    | 245.5                        |
| Delaware . . . . .             | 1,223   | 35.6                       | Delaware . . . . .             | 62     | 180.5                        |
| District of Columbia . . . . . | 811     | 34.5                       | District of Columbia . . . . . | 16     | *                            |
| Florida . . . . .              | 19,643  | 29.9                       | Florida . . . . .              | 937    | 142.7                        |
| Georgia . . . . .              | 13,015  | 31.2                       | Georgia . . . . .              | 624    | 149.6                        |
| Hawaii . . . . .               | 1,521   | 28.0                       | Hawaii . . . . .               | 48     | 88.4                         |
| Idaho . . . . .                | 1,991   | 29.5                       | Idaho . . . . .                | 120    | 178.1                        |
| Illinois . . . . .             | 19,490  | 35.9                       | Illinois . . . . .             | 1,272  | 234.6                        |
| Indiana . . . . .              | 8,330   | 31.9                       | Indiana . . . . .              | 611    | 234.3                        |
| Iowa . . . . .                 | 3,845   | 33.2                       | Iowa . . . . .                 | 179    | 154.4                        |
| Kansas . . . . .               | 3,608   | 30.3                       | Kansas . . . . .               | 189    | 158.8                        |
| Kentucky . . . . .             | 5,119   | 30.6                       | Kentucky . . . . .             | 393    | 234.8                        |
| Louisiana . . . . .            | 5,981   | 31.3                       | Louisiana . . . . .            | 296    | 154.7                        |
| Maine . . . . .                | 1,373   | 32.8                       | Maine . . . . .                | 58     | 138.4                        |
| Maryland . . . . .             | 8,338   | 37.1                       | Maryland . . . . .             | 435    | 193.7                        |
| Massachusetts . . . . .        | 10,475  | 44.5                       | Massachusetts . . . . .        | 684    | 290.4                        |
| Michigan . . . . .             | 13,273  | 34.2                       | Michigan . . . . .             | 890    | 229.0                        |
| Minnesota . . . . .            | 7,089   | 33.5                       | Minnesota . . . . .            | 442    | 208.9                        |
| Mississippi . . . . .          | 4,076   | 31.9                       | Mississippi . . . . .          | 167    | 130.9                        |
| Missouri . . . . .             | 7,592   | 32.5                       | Missouri . . . . .             | 397    | 170.1                        |
| Montana . . . . .              | 952     | 27.6                       | Montana . . . . .              | 33     | 95.6                         |
| Nebraska . . . . .             | 2,519   | 32.1                       | Nebraska . . . . .             | 211    | 269.2                        |
| Nevada . . . . .               | 3,080   | 29.0                       | Nevada . . . . .               | 156    | 147.0                        |
| New Hampshire . . . . .        | 1,613   | 37.2                       | New Hampshire . . . . .        | 93     | 214.4                        |
| New Jersey . . . . .           | 14,477  | 41.8                       | New Jersey . . . . .           | 999    | 288.7                        |
| New Mexico . . . . .           | 2,054   | 24.2                       | New Mexico . . . . .           | 56     | 65.9                         |
| New York . . . . .             | 26,998  | 36.0                       | New York . . . . .             | 1,724  | 229.9                        |
| North Carolina . . . . .       | 11,534  | 31.9                       | North Carolina . . . . .       | 542    | 150.0                        |
| North Dakota . . . . .         | 801     | 32.6                       | North Dakota . . . . .         | 59     | 240.3                        |
| Ohio . . . . .                 | 14,950  | 33.4                       | Ohio . . . . .                 | 1,065  | 238.2                        |
| Oklahoma . . . . .             | 4,222   | 27.4                       | Oklahoma . . . . .             | 143    | 92.8                         |
| Oregon . . . . .               | 4,098   | 29.8                       | Oregon . . . . .               | 143    | 104.0                        |
| Pennsylvania . . . . .         | 14,708  | 33.7                       | Pennsylvania . . . . .         | 841    | 192.9                        |
| Rhode Island . . . . .         | 1,506   | 38.9                       | Rhode Island . . . . .         | 69     | 178.4                        |
| South Carolina . . . . .       | 5,361   | 31.5                       | South Carolina . . . . .       | 241    | 141.8                        |
| South Dakota . . . . .         | 978     | 28.9                       | South Dakota . . . . .         | 31     | 91.6                         |
| Tennessee . . . . .            | 7,473   | 31.1                       | Tennessee . . . . .            | 368    | 153.2                        |
| Texas . . . . .                | 32,209  | 28.1                       | Texas . . . . .                | 1,642  | 143.4                        |
| Utah . . . . .                 | 4,029   | 26.5                       | Utah . . . . .                 | 205    | 134.8                        |
| Vermont . . . . .              | 621     | 31.9                       | Vermont . . . . .              | 21     | 107.8                        |
| Virginia . . . . .             | 10,403  | 33.6                       | Virginia . . . . .             | 479    | 154.6                        |
| Washington . . . . .           | 7,198   | 29.4                       | Washington . . . . .           | 227    | 92.7                         |
| West Virginia . . . . .        | 1,707   | 27.2                       | West Virginia . . . . .        | 66     | 105.3                        |
| Wisconsin . . . . .            | 6,505   | 30.8                       | Wisconsin . . . . .            | 338    | 160.1                        |
| Wyoming . . . . .              | 567     | 27.3                       | Wyoming . . . . .              | 30     | 144.6                        |

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

<sup>1</sup>Includes triplet and quadruplet and other higher order multiple births.



## Technical Notes

### Source of data

Data shown in this report for 2005 are based on 100 percent of the birth certificates filed in all states and the District of Columbia. The data are provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). In 1984 and earlier years, the VSCP included varying numbers of states that provided data based on 100 percent of their birth certificates. Data for states not in the VSCP were based on a 50-percent sample of birth certificates filed in those states. Information on the percentage of records with missing information for maternal and infant characteristics included in this report is shown by state in [Table I](#). Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the “[Technical Notes](#)” for more information.

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

This report includes 2005 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 (5,6,59). Twelve states, Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington, and Puerto Rico implemented the revised birth certificate as of January 1, 2005. Vermont also implemented the revised birth certificate in 2005, but after January 1. The 12 revised states that implemented as of January 1, 2005, represent 31 percent of all births.

Data for educational attainment, prenatal care, and tobacco use although collected on both the revised and unrevised certificates, are not considered comparable between revisions, and are presented separately in this report. Although data on total cesareans are considered comparable, data on the type of vaginal/cesarean birth, that is, if the birth is vaginal birth after previous cesarean (VBAC) or primary cesareans are not comparable, and are presented separately. Data on educational attainment, prenatal care, tobacco use, VBAC, and primary cesarean for Vermont that revised after January 1, 2005, are excluded from all tabulations. See following discussion of the specific data items.

Data items exclusive to either the 1989 or the 2003 birth certificate revision are not shown in this report. Supplemental 2005 tables for data exclusive to the 1989 Revision are available on the NCHS website ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)). A coming report will present selected data exclusive to the 2003 revision.

### Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by four states (Nevada, North Dakota, Virginia, and Wyoming) and American Samoa. From 1964 to 1996, mother's age was edited for ages 10–49 years. Births reported to occur to mothers younger than age 10 or older than age 49 years had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths). Beginning in 1997, age of mother is imputed for ages 9

years or under and 55 years and over. A review and verification of unedited birth data for 1996 showed that the vast majority of births reported as occurring to women aged 50 years and older were to women aged 50–54 years. The numbers of births to women aged 50–54 years have been too small historically to compute age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

In 2005, 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, because there are substantial differences in fertility and maternal and infant health characteristics between Hispanic and non-Hispanic white women.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all states and the District of Columbia, the Virgin Islands, and Guam since 1993, and on the birth certificate of Puerto Rico starting in 2005 (9,126). American Samoa and the Northern Marianas do not collect this information. The 2003 revised certificate Hispanic origin item used by Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, Puerto Rico, South Carolina, Tennessee, Texas, Vermont (for births occurring from July 1, 2005, only), and Washington for 2005 does not preclude respondents from selecting one or more Hispanic origin categories (9,127). (The Hispanic origin question on the revised certificate asks respondents to select only one response, in comparison with the race question that explicitly asks respondents to select one or more race categories, see section on *Single, Multiple, and “Bridged” race of mother and father*. However, when more than one Hispanic origin responses are given, all responses are collected.) Minnesota, which used the 1989 revision of the U.S. Standard Certificate of Live Birth, also allowed the reporting of multiple Hispanic groups in 2005.

The 12 revised states (excluding Vermont, which revised in 2005 but after January 1, 2005,) and Minnesota account for 34.0 percent of Hispanic births in the United States. Mothers of a specified Hispanic group (that is, Mexican, Puerto Rican, Cuban, or Central and South American) in combination with one or more other specified Hispanic group are classified as “other Hispanic.” The percentage of records for which Hispanic origin of the parents was not reported in 2005 is shown by state in [Table I](#).

Changes in the reporting of Hispanic origin, including the reporting of more than one Hispanic origin, may have some influence on the

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2005**

[By place of residence]

| Area                                  | All births | Place of birth | Attendant at birth | Mother's birthplace | Father's age | Father's race | Hispanic origin |        |
|---------------------------------------|------------|----------------|--------------------|---------------------|--------------|---------------|-----------------|--------|
|                                       |            |                |                    |                     |              |               | Mother          | Father |
| Total of reporting areas <sup>1</sup> | 4,138,349  | 0.0            | 0.1                | 0.4                 | 13.8         | 17.2          | 0.7             | 14.7   |
| Alabama                               | 60,453     | 0.0            | 0.0                | 0.1                 | 20.2         | 20.7          | 0.1             | 20.2   |
| Alaska                                | 10,459     | 0.0            | 1.1                | 0.5                 | 11.7         | 15.1          | 0.9             | 14.5   |
| Arizona                               | 96,199     | 0.0            | 0.0                | 0.1                 | 14.7         | 17.7          | 1.9             | 16.9   |
| Arkansas                              | 39,208     | —              | 0.0                | 0.6                 | 18.8         | 20.5          | 0.4             | 19.1   |
| California                            | 548,882    | 0.0            | 0.0                | 0.4                 | 7.4          | 8.1           | 1.3             | 7.7    |
| Colorado                              | 68,944     | —              | —                  | 0.5                 | 8.1          | 8.8           | 0.0             | 8.8    |
| Connecticut                           | 41,718     | —              | 0.1                | 0.4                 | 10.9         | 12.3          | 0.2             | 11.0   |
| Delaware                              | 11,643     | —              | 0.0                | 0.2                 | 34.0         | 34.9          | 0.9             | 34.4   |
| District of Columbia                  | 7,971      | —              | —                  | 0.1                 | 34.3         | 43.8          | 0.3             | 34.3   |
| Florida                               | 226,240    | 0.0            | 0.3                | 0.3                 | 15.3         | 25.9          | 0.3             | 17.2   |
| Georgia                               | 142,200    | 0.0            | 0.0                | 0.3                 | 17.3         | 18.0          | 1.4             | 18.5   |
| Hawaii                                | 17,924     | —              | 0.1                | 0.1                 | 8.5          | 12.1          | 0.2             | 8.5    |
| Idaho                                 | 23,062     | 0.0            | 0.0                | 0.3                 | 9.4          | 15.5          | 0.5             | 11.6   |
| Illinois                              | 179,020    | 0.0            | 0.0                | 0.1                 | 13.8         | 15.4          | 0.1             | 15.2   |
| Indiana                               | 87,193     | 0.0            | 0.1                | 0.1                 | 14.0         | 13.9          | 0.4             | 14.0   |
| Iowa                                  | 39,311     | 0.0            | 0.0                | 0.0                 | 13.8         | 16.4          | 0.3             | 16.7   |
| Kansas                                | 39,888     | —              | —                  | 0.1                 | 11.2         | 17.2          | 0.4             | 0.9    |
| Kentucky                              | 56,444     | 0.2            | 0.0                | 0.7                 | 20.0         | 26.6          | 0.1             | 24.2   |
| Louisiana                             | 60,937     | 0.0            | 0.0                | 0.0                 | 19.0         | 19.4          | 0.1             | 19.1   |
| Maine                                 | 14,112     | 0.0            | —                  | 0.0                 | 10.1         | 13.2          | 0.2             | 13.2   |
| Maryland                              | 74,980     | 0.0            | 0.0                | 0.1                 | 14.0         | 21.4          | 0.2             | 16.1   |
| Massachusetts                         | 76,865     | 0.0            | 0.0                | 1.0                 | 8.5          | 10.0          | 0.6             | 8.9    |
| Michigan                              | 127,706    | 0.0            | 0.1                | 0.2                 | 15.2         | 17.1          | 3.1             | 19.5   |
| Minnesota                             | 70,919     | —              | 0.1                | 0.3                 | 13.0         | 18.8          | 1.4             | 14.5   |
| Mississippi                           | 42,395     | —              | 0.0                | 0.1                 | 21.4         | 21.5          | 0.1             | 21.5   |
| Missouri                              | 78,618     | 0.0            | 0.0                | 0.3                 | 18.7         | 20.0          | 0.1             | 18.4   |
| Montana                               | 11,583     | 0.0            | 0.1                | 0.1                 | 9.2          | 10.9          | 2.4             | 13.0   |
| Nebraska                              | 26,145     | —              | 0.0                | 2.8                 | 12.4         | 22.1          | 0.0             | 12.6   |
| Nevada                                | 37,268     | —              | 0.0                | 0.7                 | 22.0         | 24.4          | 1.4             | 22.7   |
| New Hampshire                         | 14,420     | —              | 0.0                | 0.2                 | 6.7          | 11.9          | 1.6             | 7.8    |
| New Jersey                            | 113,776    | 0.0            | 0.0                | 0.1                 | 7.5          | 9.3           | 0.1             | 7.8    |
| New Mexico                            | 28,835     | —              | 0.0                | 0.6                 | 19.3         | 19.5          | 0.0             | 19.5   |
| New York (excluding NYC)              | 128,844    | 0.0            | 0.0                | 0.0                 | 11.1         | 17.4          | 0.2             | 11.2   |
| New York City                         | 117,507    | 0.0            | 0.0                | 0.4                 | 15.7         | 16.9          | 0.3             | 15.9   |
| North Carolina                        | 123,096    | 0.0            | 0.0                | 0.0                 | 16.4         | 16.6          | 0.1             | 17.1   |
| North Dakota                          | 8,390      | 0.0            | —                  | 0.0                 | 8.3          | 9.7           | 3.6             | 13.2   |
| Ohio                                  | 148,388    | 0.0            | 0.0                | 0.8                 | 17.3         | 21.7          | 0.8             | 21.6   |
| Oklahoma                              | 51,801     | —              | 0.0                | 0.0                 | 14.5         | 17.5          | 0.3             | 16.7   |
| Oregon                                | 45,922     | 0.0            | 0.0                | 0.1                 | 10.1         | 5.1           | 0.5             | 5.2    |
| Pennsylvania                          | 145,383    | 0.0            | 0.3                | 3.8                 | 6.9          | 11.6          | 0.9             | 5.9    |
| Rhode Island                          | 12,697     | —              | —                  | 0.2                 | 13.3         | 14.4          | 13.4            | 26.5   |
| South Carolina                        | 57,711     | —              | 0.0                | 0.3                 | 30.1         | 35.4          | 0.2             | 30.1   |
| South Dakota                          | 11,462     | 0.0            | 0.0                | 0.1                 | 10.1         | 11.1          | 0.1             | 13.5   |
| Tennessee                             | 81,747     | 0.0            | 0.1                | 0.3                 | 16.5         | 23.5          | 0.2             | 16.3   |
| Texas                                 | 385,915    | 0.0            | 0.2                | 0.1                 | 15.0         | 21.1          | 0.2             | 15.0   |
| Utah                                  | 51,556     | 0.0            | —                  | 0.2                 | 7.3          | 9.6           | 0.6             | 9.0    |
| Vermont <sup>2</sup>                  | 6,295      | 0.0            | 0.1                | 0.1                 | 7.3          | 10.1          | 1.0             | 10.4   |
| Virginia                              | 104,555    | —              | 0.0                | 0.1                 | 15.2         | 17.8          | 0.2             | 15.3   |
| Washington                            | 82,703     | 0.0            | 0.0                | 0.3                 | 10.1         | 23.6          | 2.5             | 15.5   |
| West Virginia                         | 20,836     | 0.1            | 0.0                | 0.2                 | 13.2         | 14.1          | 0.3             | 14.1   |
| Wisconsin                             | 70,984     | —              | 0.0                | 0.1                 | 32.0         | 32.1          | 0.0             | 32.1   |
| Wyoming                               | 7,239      | —              | —                  | 0.1                 | 15.5         | 16.3          | 0.3             | 15.9   |
| Puerto Rico                           | 50,564     | 0.0            | 0.0                | 0.1                 | 3.7          | 4.3           | 0.0             | 4.1    |
| Virgin Islands                        | 1,605      | —              | 0.8                | —                   | 21.6         | 23.2          | 4.6             | 54.1   |
| Guam                                  | 3,187      | 0.0            | 0.1                | 0.3                 | 21.7         | 22.0          | 0.7             | 23.5   |
| American Samoa                        | 1,720      | 0.1            | 0.8                | 4.9                 | 34.2         | 34.4          | ---             | ---    |
| Northern Marianas                     | 1,335      | —              | —                  | —                   | 9.9          | 9.2           | ---             | ---    |

See footnotes at end of table.

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2005—Con.**

[By place of residence]

| Area  | Educational attainment<br>of mother |                      | Live-birth<br>order | Length of<br>gestation | Month prenatal<br>care began |                      | Number of<br>prenatal<br>visits |
|---|-------------------------------------|----------------------|---------------------|------------------------|------------------------------|----------------------|---------------------------------|
|   | Unrevised <sup>3</sup>              | Revised <sup>4</sup> |                     |                        | Unrevised <sup>3</sup>       | Revised <sup>4</sup> |                                 |
| Total of reporting areas <sup>1</sup> . . . . . | 2.3                                 | 2.7                  | 0.4                 | 0.7                    | 2.7                          | 6.5                  | 3.2                             |
| Alabama . . . . .                               | 0.9                                 | ---                  | 0.1                 | 0.1                    | 1.0                          | ---                  | 0.4                             |
| Alaska . . . . .                                | 2.9                                 | ---                  | 0.3                 | 0.2                    | 3.2                          | ---                  | 6.2                             |
| Arizona . . . . .                               | 0.9                                 | ---                  | 0.0                 | 0.0                    | 0.1                          | ---                  | 0.1                             |
| Arkansas . . . . .                              | 5.0                                 | ---                  | 0.2                 | 0.2                    | 5.5                          | ---                  | 2.6                             |
| California <sup>5</sup> . . . . .               | 2.8                                 | ---                  | 0.1                 | 4.4                    | 0.9                          | ---                  | 1.2                             |
| Colorado . . . . .                              | 1.9                                 | ---                  | 0.3                 | 0.0                    | 1.9                          | ---                  | 2.2                             |
| Connecticut . . . . .                           | 1.2                                 | ---                  | 0.0                 | 0.0                    | 1.3                          | ---                  | 0.8                             |
| Delaware . . . . .                              | 3.4                                 | ---                  | 0.1                 | 0.2                    | 3.0                          | ---                  | 0.8                             |
| District of Columbia . . . . .                  | 9.4                                 | ---                  | 0.1                 | 0.2                    | 11.6                         | ---                  | 18.3                            |
| Florida . . . . .                               | ---                                 | 1.4                  | 0.9                 | 0.1                    | ---                          | 6.4                  | 4.8                             |
| Georgia . . . . .                               | 3.9                                 | ---                  | 0.3                 | 0.1                    | 3.5                          | ---                  | 2.8                             |
| Hawaii . . . . .                                | 1.6                                 | ---                  | 0.0                 | 0.4                    | 2.9                          | ---                  | 2.4                             |
| Idaho . . . . .                                 | ---                                 | 4.2                  | 0.1                 | 0.1                    | ---                          | 3.5                  | 0.8                             |
| Illinois . . . . .                              | 1.3                                 | ---                  | 0.2                 | 0.3                    | 5.1                          | ---                  | 5.6                             |
| Indiana . . . . .                               | 1.9                                 | ---                  | 0.1                 | 0.0                    | 2.2                          | ---                  | 1.9                             |
| Iowa . . . . .                                  | 2.7                                 | ---                  | 0.0                 | 0.0                    | 2.8                          | ---                  | 0.3                             |
| Kansas . . . . .                                | ---                                 | 4.2                  | 0.0                 | 0.3                    | ---                          | 8.1                  | 3.2                             |
| Kentucky . . . . .                              | ---                                 | 4.5                  | 0.3                 | 0.1                    | ---                          | 6.5                  | 2.0                             |
| Louisiana . . . . .                             | 1.0                                 | ---                  | 0.1                 | 0.1                    | 1.3                          | ---                  | 0.4                             |
| Maine . . . . .                                 | 2.3                                 | ---                  | 0.2                 | 0.0                    | 2.2                          | ---                  | 0.1                             |
| Maryland . . . . .                              | 1.8                                 | ---                  | 0.2                 | 0.1                    | 1.8                          | ---                  | 2.3                             |
| Massachusetts . . . . .                         | 0.5                                 | ---                  | 0.2                 | 0.1                    | 2.1                          | ---                  | 0.8                             |
| Michigan . . . . .                              | 1.6                                 | ---                  | 0.4                 | 0.2                    | 3.6                          | ---                  | 3.2                             |
| Minnesota . . . . .                             | 2.2                                 | ---                  | 0.4                 | 0.2                    | 5.0                          | ---                  | 6.1                             |
| Mississippi . . . . .                           | 4.5                                 | ---                  | 0.1                 | 0.2                    | 5.4                          | ---                  | 5.0                             |
| Missouri . . . . .                              | 3.9                                 | ---                  | 0.9                 | 0.2                    | 4.7                          | ---                  | 3.6                             |
| Montana . . . . .                               | 0.7                                 | ---                  | 0.1                 | 0.1                    | 1.2                          | ---                  | 0.9                             |
| Nebraska . . . . .                              | ---                                 | 3.9                  | 0.6                 | 0.0                    | ---                          | 5.4                  | 0.3                             |
| Nevada . . . . .                                | 3.1                                 | ---                  | 1.0                 | 0.5                    | 7.0                          | ---                  | 9.2                             |
| New Hampshire . . . . .                         | ---                                 | 13.9                 | 1.7                 | 0.3                    | ---                          | 14.6                 | 4.6                             |
| New Jersey . . . . .                            | 2.0                                 | ---                  | 0.1                 | 0.1                    | 1.9                          | ---                  | 1.3                             |
| New Mexico . . . . .                            | 5.3                                 | ---                  | 0.3                 | 0.3                    | 7.8                          | ---                  | 4.9                             |
| New York (excluding NYC) . . . . .              | ---                                 | 7.8                  | 1.2                 | 0.1                    | ---                          | 9.6                  | 5.1                             |
| New York City . . . . .                         | 4.3                                 | ---                  | 0.0                 | 0.1                    | 6.1                          | ---                  | 0.8                             |
| North Carolina . . . . .                        | 0.5                                 | ---                  | 0.1                 | 0.0                    | 1.2                          | ---                  | 1.0                             |
| North Dakota . . . . .                          | 0.4                                 | ---                  | 0.2                 | 0.1                    | 1.0                          | ---                  | 0.7                             |
| Ohio . . . . .                                  | 2.4                                 | ---                  | 0.6                 | 0.2                    | 5.1                          | ---                  | 10.5                            |
| Oklahoma . . . . .                              | 1.4                                 | ---                  | 0.2                 | 0.3                    | 2.3                          | ---                  | 1.3                             |
| Oregon . . . . .                                | 2.8                                 | ---                  | 0.1                 | 0.0                    | 1.6                          | ---                  | 0.3                             |
| Pennsylvania . . . . .                          | ---                                 | 3.0                  | 1.4                 | 0.7                    | ---                          | 9.3                  | 10.1                            |
| Rhode Island . . . . .                          | 2.7                                 | ---                  | 2.9                 | 0.1                    | 6.5                          | ---                  | 3.1                             |
| South Carolina . . . . .                        | ---                                 | 5.3                  | 0.1                 | 0.1                    | ---                          | 6.0                  | 0.7                             |
| South Dakota . . . . .                          | 0.8                                 | ---                  | 0.0                 | 0.0                    | 0.9                          | ---                  | 0.5                             |
| Tennessee . . . . .                             | ---                                 | 1.0                  | 1.2                 | 0.6                    | ---                          | 12.1                 | 11.2                            |
| Texas . . . . .                                 | ---                                 | 0.5                  | 0.1                 | 0.1                    | ---                          | 1.1                  | 0.4                             |
| Utah . . . . .                                  | 2.2                                 | ---                  | 0.3                 | 0.0                    | 1.9                          | ---                  | 2.3                             |
| Vermont <sup>2</sup> . . . . .                  | ---                                 | ---                  | 0.4                 | 0.0                    | ---                          | ---                  | 0.7                             |
| Virginia . . . . .                              | 2.3                                 | ---                  | 0.0                 | 0.0                    | 1.1                          | ---                  | 2.0                             |
| Washington . . . . .                            | ---                                 | 3.4                  | 5.1                 | 0.6                    | ---                          | 16.9                 | 16.0                            |
| West Virginia . . . . .                         | 2.6                                 | ---                  | 0.0                 | 0.1                    | 3.4                          | ---                  | 0.7                             |
| Wisconsin . . . . .                             | 0.5                                 | ---                  | 0.0                 | 0.0                    | 0.6                          | ---                  | 0.9                             |
| Wyoming . . . . .                               | 2.3                                 | ---                  | 0.3                 | 0.1                    | 2.1                          | ---                  | 0.8                             |
| Puerto Rico . . . . .                           | ---                                 | 0.2                  | 0.0                 | 0.1                    | ---                          | 0.6                  | 0.2                             |
| Virgin Islands . . . . .                        | 2.4                                 | ---                  | 1.0                 | 0.6                    | 3.4                          | ---                  | 4.4                             |
| Guam . . . . .                                  | 0.7                                 | ---                  | 1.3                 | 0.1                    | 0.6                          | ---                  | 0.9                             |
| American Samoa . . . . .                        | ---                                 | ---                  | ---                 | ---                    | ---                          | ---                  | ---                             |
| Northern Marianas . . . . .                     | 5.6                                 | ---                  | 0.2                 | 0.1                    | 1.7                          | ---                  | 2.7                             |

See footnotes at end of table.

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2005—Con.**

[By place of residence]

| Area  | Birthweight | 5-minute<br>apgar score | Weight<br>gain | Tobacco use            |                      | Method of<br>delivery <sup>6</sup> |
|---|-------------|-------------------------|----------------|------------------------|----------------------|------------------------------------|
|   |             |                         |                | Unrevised <sup>3</sup> | Revised <sup>4</sup> |                                    |
| Total of reporting areas <sup>1</sup> . . . . . | 0.1         | 0.6                     | 5.1            | 1.4                    | 2.8                  | 0.4                                |
| Alabama . . . . .                               | 0.2         | 0.3                     | 2.4            | 0.8                    | ---                  | 0.7                                |
| Alaska . . . . .                                | 0.3         | 0.4                     | 5.1            | 1.0                    | ---                  | 0.6                                |
| Arizona . . . . .                               | 0.0         | 0.3                     | 2.5            | 0.6                    | ---                  | 0.5                                |
| Arkansas . . . . .                              | 0.1         | 0.3                     | 4.9            | 4.4                    | ---                  | 0.4                                |
| California . . . . .                            | 0.0         | ---                     | ---            | ---                    | ---                  | 0.0                                |
| Colorado . . . . .                              | 0.1         | 0.3                     | 3.0            | 0.4                    | ---                  | 0.0                                |
| Connecticut . . . . .                           | 0.0         | 0.1                     | 1.0            | 0.7                    | ---                  | 0.2                                |
| Delaware . . . . .                              | 0.1         | 0.2                     | 1.2            | 2.7                    | ---                  | 0.0                                |
| District of Columbia . . . . .                  | 0.1         | 0.7                     | 14.1           | 0.2                    | ---                  | 0.1                                |
| Florida <sup>7</sup> . . . . .                  | 0.0         | 0.2                     | 9.1            | ---                    | ---                  | 0.2                                |
| Georgia . . . . .                               | 0.0         | 0.5                     | 8.4            | 1.4                    | ---                  | 0.7                                |
| Hawaii . . . . .                                | 0.1         | 0.5                     | 13.5           | 0.2                    | ---                  | 0.3                                |
| Idaho . . . . .                                 | 0.1         | 0.5                     | 2.5            | ---                    | 3.0                  | 0.1                                |
| Illinois . . . . .                              | 0.1         | 0.3                     | 7.4            | 0.3                    | ---                  | 0.6                                |
| Indiana <sup>8</sup> . . . . .                  | 0.4         | 0.3                     | 2.2            | 1.2                    | ---                  | 0.7                                |
| Iowa . . . . .                                  | 0.1         | 0.3                     | 0.7            | 2.6                    | ---                  | 0.9                                |
| Kansas . . . . .                                | 0.0         | 0.5                     | 3.9            | ---                    | 4.4                  | 0.0                                |
| Kentucky . . . . .                              | 0.1         | 0.4                     | 2.0            | ---                    | 4.2                  | 0.1                                |
| Louisiana . . . . .                             | 0.0         | 0.2                     | 2.9            | 1.5                    | ---                  | 0.2                                |
| Maine . . . . .                                 | 0.1         | 0.2                     | 0.6            | 2.3                    | ---                  | 0.2                                |
| Maryland . . . . .                              | 0.1         | 0.3                     | 2.8            | 0.4                    | ---                  | 0.7                                |
| Massachusetts . . . . .                         | 0.1         | 0.2                     | 1.0            | 0.5                    | ---                  | 0.3                                |
| Michigan . . . . .                              | 0.1         | 0.3                     | 6.2            | 0.8                    | ---                  | 0.6                                |
| Minnesota . . . . .                             | 0.1         | 0.4                     | 12.3           | 2.7                    | ---                  | 0.8                                |
| Mississippi . . . . .                           | 0.1         | 0.3                     | 7.7            | 4.3                    | ---                  | 0.6                                |
| Missouri . . . . .                              | 0.1         | 0.5                     | 4.2            | 3.2                    | ---                  | 0.8                                |
| Montana . . . . .                               | 0.1         | 0.3                     | 1.5            | 1.7                    | ---                  | 0.5                                |
| Nebraska . . . . .                              | 0.0         | 0.2                     | 2.5            | ---                    | 3.9                  | 0.0                                |
| Nevada . . . . .                                | 0.0         | 1.4                     | 9.3            | 2.3                    | ---                  | 1.5                                |
| New Hampshire . . . . .                         | 0.2         | 0.4                     | 16.4           | ---                    | 13.5                 | 0.1                                |
| New Jersey . . . . .                            | 0.0         | 0.2                     | 0.8            | 1.6                    | ---                  | 1.0                                |
| New Mexico . . . . .                            | 0.2         | 0.4                     | 11.2           | 5.5                    | ---                  | 0.7                                |
| New York (excluding NYC) . . . . .              | 0.1         | 0.4                     | 5.8            | ---                    | 6.7                  | 0.5                                |
| New York City . . . . .                         | 0.0         | 0.1                     | 2.1            | 4.0                    | ---                  | 0.2                                |
| North Carolina . . . . .                        | 0.1         | 0.3                     | 3.3            | 0.5                    | ---                  | 0.6                                |
| North Dakota . . . . .                          | 0.0         | 0.2                     | 1.5            | 0.2                    | ---                  | 2.4                                |
| Ohio . . . . .                                  | 0.1         | 0.2                     | 4.0            | 0.9                    | ---                  | 1.0                                |
| Oklahoma . . . . .                              | 0.1         | 0.3                     | 2.8            | 1.1                    | ---                  | 1.6                                |
| Oregon . . . . .                                | 0.0         | 0.3                     | 1.8            | 2.3                    | ---                  | 0.8                                |
| Pennsylvania . . . . .                          | 0.4         | 1.1                     | 14.6           | ---                    | 3.9                  | 0.1                                |
| Rhode Island . . . . .                          | 0.1         | 0.4                     | 14.0           | 3.4                    | ---                  | 0.3                                |
| South Carolina . . . . .                        | 0.1         | 0.2                     | 1.8            | ---                    | 5.0                  | 0.0                                |
| South Dakota <sup>9</sup> . . . . .             | 0.0         | 0.2                     | 0.6            | 0.7                    | ---                  | 1.0                                |
| Tennessee . . . . .                             | 0.3         | 2.7                     | 12.2           | ---                    | 0.7                  | 0.0                                |
| Texas . . . . .                                 | 0.1         | ---                     | 1.1            | ---                    | 0.4                  | 0.0                                |
| Utah . . . . .                                  | 0.0         | 0.2                     | 4.3            | 1.2                    | ---                  | 0.4                                |
| Vermont <sup>2</sup> . . . . .                  | 0.0         | 0.2                     | 1.9            | ---                    | ---                  | 0.2                                |
| Virginia . . . . .                              | 0.1         | 0.1                     | 4.1            | 1.1                    | ---                  | 0.6                                |
| Washington . . . . .                            | 0.4         | 0.5                     | 14.3           | ---                    | 3.0                  | 0.0                                |
| West Virginia . . . . .                         | 0.1         | 0.2                     | 1.7            | 2.0                    | ---                  | 0.4                                |
| Wisconsin . . . . .                             | 0.0         | 0.4                     | 2.8            | 0.3                    | ---                  | 0.0                                |
| Wyoming . . . . .                               | 0.1         | 0.3                     | 2.5            | 1.5                    | ---                  | 0.2                                |

See footnotes at end of table.

**Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2005—Con.**

[By place of residence]

| Area                                     | Birthweight | 5-minute<br>apgar score | Weight | Tobacco use            |                      | Method of<br>delivery <sup>6</sup> |
|--|-------------|-------------------------|--------|------------------------|----------------------|------------------------------------|
|  |             |                         |        | Unrevised <sup>3</sup> | Revised <sup>4</sup> |                                    |
| Puerto Rico . . . . .                    | 0.2         | 0.6                     | ---    | ---                    | 0.0                  | 0.0                                |
| Virgin Islands . . . . .                 | 0.6         | 1.0                     | 23.2   | 3.1                    | ---                  | 3.1                                |
| Guam. . . . .                            | 0.5         | 0.5                     | 1.5    | 0.7                    | ---                  | 0.4                                |
| American Samoa . . . . .                 | —           | ---                     | ---    | ---                    | ---                  | ---                                |
| Northern Marianas <sup>9</sup> . . . . . | 0.2         | 0.5                     | ---    | —                      | ---                  | 0.7                                |

0.0 Quantity more than zero but less than 0.05.

— Quantity zero.

--- Data not available.

<sup>1</sup>Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas.<sup>2</sup>Vermont implemented the 2003 U.S. Standard Certificate of Live Birth in 2005, but after January 1, 2005.<sup>3</sup>Data are for states using the 1989 Standard Certificate of Live Birth. Births to residents of states using the 1989 Standard Certificate of Live Birth occurring in states using the 2003 Standard Certificate of Live Birth are coded as not stated for this item. See "Technical Notes."<sup>4</sup>Data are for states using the 2003 Standard Certificate of Live Birth. Births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth are coded as not stated for this item. See "Technical Notes."<sup>5</sup>California reports date last normal menses began but does not report clinical estimate of gestation.<sup>6</sup>Not stated levels for states that implemented the 2003 U.S. Standard Certificate of Live Birth are derived from the item "Final route and method of delivery."<sup>7</sup>The Florida tobacco use item is not consistent with the tobacco use items on either the 1989 or 2003 U.S. Standard Certificates of Live Birth.<sup>8</sup>Indiana reports tobacco use but does not report the average number of cigarettes smoked per day in standard categories.<sup>9</sup>South Dakota and the Commonwealth of the Northern Marianas report tobacco use but do not report the average number of cigarettes smoked per day.

distribution of births among specified Hispanic groups, with a tendency to report Other and unknown Hispanic in lieu of specified Hispanic origin categories. Between 2004 and 2005, births to Other and unknown Hispanic women in the U.S. increased from 49,044 to 61,703.

### 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" (10–12). These documents specify guidelines for collection, tabulation, and presentation of race and ethnicity data within the federal statistical system. The 1997 revised standards incorporated two major changes designed to reflect the changing racial and ethnic profile of the United States. First, the revision increased from four to five the minimum set of categories to be used by federal agencies for identification of race. The 1977 standards required federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native (AIAN), Asian or Pacific Islander (API), Black, and White. The five categories for race specified in the 1997 standards are: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. Collection of additional detail on race and ethnicity is permitted, as before, so long as the additional categories can be aggregated into the minimum categories. The revised standards also require federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the 1997 revised standards. However, the National Vital Statistics System, which is based on data

collected by the states, will not be fully compliant with the new standards until all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see "Population denominators"). In order to compute rates, it is necessary to "bridge" population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of "bridged" populations can be discontinued.

In 2005, multiple race was reported by Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont (for births occurring from July 1, 2005 only), and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as, California, Hawaii, Michigan (for births at selected facilities only), Minnesota, Ohio, and Utah, which used the 1989 revision of the U.S. Standard Certificate of Live Birth. (Puerto Rico, which revised its birth certificate in 2005, reported race according to the 1989 revision of the U.S. Standard Certificate of Live Birth.) More than one race was reported for 1.5 percent of mothers in the 17 states that reported multiple race as of January 1, 2005 (Table II), with levels ranging from 0.4 (Texas) to 36.6 (Hawaii). These 17 states represent 52.4 percent of all U.S. resident births in 2005. Data from the vital records of the remaining 31 states, New York City, and the District of Columbia followed the 1977 OMB standards in which only a single race is reported (10,11). In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards, compared with the minimum of five races for the 1997 standards.

In order to provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to "bridge" the responses of those who reported more than one race to a single race. The bridging procedure for multiple-race mothers and fathers is based on the procedure used to bridge the multiracial population estimates (see "Population denomi-

**Table II. Number and percentage of live births by race of mother: California, Florida, Hawaii, Idaho, Kansas, Kentucky, Minnesota, Nebraska, New Hampshire, New York State (excluding New York City), Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Utah and Washington, 2005**

[By place of residence]

| Race   | Number    | Percent |
|--|-----------|---------|
| All races <sup>1</sup> . . . . .                               | 2,166,624 | 100.0   |
| One race . . . . .   | 2,046,348 | 98.5    |
| White . . . . .  | 1,661,820 | 80.0    |
| Black . . . . .  | 246,890   | 11.9    |
| American Indian or<br>Alaska Native (AIAN) . . . . .           | 10,070    | 0.5     |
| Asian . . . . .  | 120,688   | 5.8     |
| Native Hawaiian or other<br>Pacific Islander (NHOPI) . . . . . | 6,880     | 0.3     |
| More than one race . . . . .                                   | 31,295    | 1.5     |
| Two races . . . . .  | 26,906    | 1.3     |
| Black and white . . . . .                                      | 7,472     | 0.4     |
| Black and AIAN . . . . .                                       | 1,078     | 0.1     |
| Black and Asian . . . . .                                      | 808       | 0.0     |
| Black and NHOPI . . . . .                                      | 160       | 0.0     |
| AIAN and white . . . . .                                       | 6,082     | 0.3     |
| AIAN and Asian . . . . .                                       | 252       | 0.0     |
| AIAN and NHOPI . . . . .                                       | 57        | 0.0     |
| Asian and white . . . . .                                      | 7,328     | 0.4     |
| Asian and NHOPI . . . . .                                      | 1,799     | 0.1     |
| NHOPI and white . . . . .                                      | 1,870     | 0.1     |
| Three races . . . . .  | 4,104     | 0.2     |
| Black, AIAN, and white . . . . .                               | 829       | 0.0     |
| Black, AIAN, and Asian . . . . .                               | 40        | 0.0     |
| Black, AIAN, and NHOPI . . . . .                               | 10        | *       |
| Black, Asian, and white . . . . .                              | 183       | 0.0     |
| Black, Asian, and NHOPI . . . . .                              | 28        | 0.0     |
| Black, NHOPI, and white . . . . .                              | 40        | 0.0     |
| AIAN, Asian, and white . . . . .                               | 283       | 0.0     |
| AIAN, NHOPI, and white . . . . .                               | 94        | 0.0     |
| AIAN, Asian, and NHOPI . . . . .                               | 59        | 0.0     |
| Asian, NHOPI, and white . . . . .                              | 2,538     | 0.1     |
| Four races . . . . .   | 265       | 0.0     |
| Black, AIAN, Asian, and white . . . . .                        | 31        | 0.0     |
| Black, AIAN, Asian, and NHOPI . . . . .                        | 6         | *       |
| Black, AIAN, NHOPI, and white . . . . .                        | 8         | *       |
| Black, Asian, NHOPI, and white . . . . .                       | 15        | *       |
| AIAN, Asian, NHOPI, and white . . . . .                        | 205       | 0.0     |
| Five races . . . . .   |           |         |
| Black, AIAN, Asian, NHOPI, and<br>white . . . . .              | 20        | 0.0     |

0.0 Quantity more than zero but less than 0.5.

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

<sup>1</sup>Includes all births to residents of the states that reported multiple race for the entire year. Percentages are based on the number of births occurring in the states that reported multiple race for the entire year to residents of the states. Births that occurred in states that did not report multiple race to residents of the multiple-race reporting states are not shown separately but are included in the total.

NOTES: Nineteen states provided multiple-race data to NCHS in 2005. This table excludes data for Vermont, which reported multiple race in 2005 but after January 1, and Michigan, which also reported multiple race in 2005 but for selected facilities only.

nators”) (12,13). Multiple race is imputed to a single race (one of the following: AIAN, API, Black, or White) according to the combination of races, Hispanic origin, sex, and age of the mother or father indicated on the birth certificate. The imputation procedure is described in detail elsewhere (14,15).

Mothers of a specified API subgroup (that is, Chinese, Japanese, Hawaiian, or Filipino) in combination with another race (that is, AIAN,

black, or white) or another API subgroup were not imputed to a single API subgroup. API mothers are disproportionately represented in the 17 states with complete reporting of multiple race for 2005 (59.5 percent in 2005). For this report, data are not shown for the specified API subgroups because the bridging technique cannot be applied in this detail (128). However, data for the API subgroups reported alone or in combination with other races or API subgroups, are available in the 2005 Natality public-use data file.

Race of mother is reported by 31 states, the District of Columbia, and New York City in at least eight, single-race categories: White, Black or African American, American Indian or Alaska Native, Chinese, Japanese, Hawaiian, Filipino, and “other Asian or Pacific Islander.” Of these, five states (Illinois, Missouri, New Jersey, Virginia, and West Virginia) and New York City report data on the expanded API subgroups included in the “other API category” (Asian Indian, Korean, Samoan, Vietnamese, Guamanian, and remaining API). Finally, the 19 states that report multiple-race data (California, Florida, Hawaii, Idaho, Kansas, Kentucky, Michigan, Minnesota, New Hampshire, Nebraska, New York State (excluding New York City), Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, and Washington) report a minimum of 14 categories (White, Black or African American, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Hawaiian, Guamanian, Samoan, and other Pacific Islander). For this report, as discussed above, the multiple-race combinations (for example, white and AIAN or black and Chinese) were bridged to one of four broad categories (bridged white, bridged black, bridged AIAN, and bridged API). Detailed data on race (single or multiple) as reported in the 19 states are available on the 2005 Natality public-use file.

In 2005, race of mother was not reported for 0.7 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.5 percent of births in 2005.

Beginning with the 1989 data year, NCHS started tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate (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 2005, differences in state editing procedures for Texas for race of mother resulted in an overreport of births to white mothers and underreport of births to black mothers. The magnitude of the reporting differences will be discussed in the upcoming report “Births: Final Data for 2006.”

## Marital status

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

mother's marital status and added a direct question on mother's marital status to the state's birth certificate.

In 2005, inferential procedures were used to compile birth statistics by marital status in full or in part for New York and Michigan respectively. Michigan added a direct question in 2005 to the birth registration process, but uses inferential procedures to update information collected using the direct question. In both Michigan and New York, a birth is inferred as nonmarital if either of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of states have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment therefore is the most reliable indicator that the birth is nonmarital in the states not reporting this information directly; this is now the key indicator in the nonreporting states. Details of the changes in reporting procedures are described in previous reports (36,129).

The mother's marital status was not reported in 2005 on 0.03 percent of the birth records in the 48 states and the District of Columbia where this information is obtained exclusively by a direct question. Marital status was imputed as "married" for records where father's age is known. Where father's age is not known, marital status is imputed as "not married."

## Education

In this report, data on educational attainment of the mother based on the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). The revised item asks for the highest degree or level of school completed at the time of birth (e.g., high school diploma, bachelor's degree, etc.), whereas the 1989 standard certificate item asks for the highest grade (i.e., year) completed at the time of birth. This change in format has resulted in data that are not comparable between revisions. Information on educational attainment for Vermont, which revised in 2005, but after January 1, is excluded from all tabulations. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

## Tobacco use

In this report, data on tobacco use during pregnancy based on the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). The revised certificate asks for the number of cigarettes smoked at different intervals before and during pregnancy. In comparison, the 1989 standard certificate asked for "Tobacco use during pregnancy," "yes/no," and the average number of cigarettes per day with no specificity on timing during pregnancy. As a result, revised data are not comparable to unrevised data and are presented separately. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

*Florida*—Data on maternal smoking for Florida are not included in this report or in the public use data file compiled by NCHS. The question on smoking on the Florida birth certificate is not comparable with either the 1989 revision or the 2003 revision questions. Response

categories include Yes, No, and Quit. The question however, does not collect information by trimester, an important enhancement of the smoking question in the 2003 revision. Thus, it is not possible to combine the Florida data with data for either the unrevised or revised reporting areas.

California did not report tobacco use in 2005; tobacco use data are also excluded for Vermont, which revised in 2005, but after January 1.

## Prenatal care

Data on the month that prenatal care began based on the 2003 U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). Substantive changes in both question wording and the sources for this information have resulted in data that are not comparable between revisions. The wording of the prenatal care item was modified to "Date of first prenatal visit" from "Month prenatal care began." In addition, the 2003 revision process resulted in recommendations that the prenatal care information be gathered from the prenatal care or medical records, whereas the 1989 revision did not recommend a source for these data. Prenatal care data are excluded for Vermont, which revised in 2005, but after January 1. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

## Characteristics of labor and delivery

The 1989 revision of the U.S. Standard Certificate of live birth (unrevised), provides a single checkbox for "Breech/Malpresentation." On the 2003 revision of the birth certificate (revised) this information is collected as two separate checkboxes "Breech" and "Other." The first year states implement the revised certificate, the percentage of births reported as "Breech" or "Other" is typically much higher than that for "Breech/Malpresentation" reported in the previous year using the unrevised certificate. By definition, the revised "Breech" and "Other" items combined are comparable to the unrevised "Breech/Malpresentation" item, and are treated as such in this report. The increase in the national "Breech/Malpresentation" rate for 2005 shown in the report is at least partly a result of this change in reporting.

## Method of delivery

Several rates are computed for method of delivery. The overall cesarean delivery rate or *total cesarean* rate is computed as the percentage of all births delivered by cesarean. The *primary cesarean* rate relates the number of women having a first cesarean delivery to all women giving birth who have never had a cesarean delivery. The denominator for this rate includes the sum of primary cesareans and vaginal births without previous cesarean. The rate of *vaginal birth after previous cesarean* (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean delivery.

Information on Method of Delivery is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard Certificate of Live Birth (unrevised). However, the format and wording of the Method of Delivery item on the revised standard certificate differs from that of the unrevised standard certificate. The unrevised item asks

a direct question on whether the birth was vaginal, VBAC or a primary or repeat cesarean delivery. In contrast, the revised Method of Delivery item asks if the final route of delivery was a vaginal (with or without forceps or vacuum assistance) or a cesarean delivery. Information on the *type* of vaginal (vaginal or VBAC) or *type* of cesarean delivery (primary or repeat) is calculated from the response to a question under a different item, Risk Factors in this Pregnancy, which asks if the mother had a previous cesarean delivery. As a result of these changes although data on *total* cesarean deliveries appear to be very comparable between revisions, information on type of vaginal or cesarean delivery are not. In brief, rates based on data from the revised certificates are substantially higher for VBACs and primary cesareans, and lower for repeat cesareans, than rates based on data from unrevised certificates (54). Accordingly, data on VBAC, primary, and repeat cesarean deliveries are not directly comparable between revisions, and, beginning with the 2005 data year, are presented separately for revised and unrevised reporting areas.

## Gestation

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother's last normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of post conception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages that are clearly inconsistent with the infant's plurality and birthweight (see below), but reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations (130,131).

The U.S. Standard Certificate of Live Birth includes an item, "clinical/obstetric estimate of gestation," that was compared with length of gestation computed from the date the last normal menstrual period (LMP) began when the latter appeared to be inconsistent with birthweight. This was done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The clinical/obstetric estimate was also used if the LMP date was not reported. The period of gestation for 5.8 percent of the births in 2005 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for 2,149 births or 0.06 percent of all birth records in 2005. The levels of the adjustments in 2005 data were similar to those for earlier years (7). Despite these edits substantial incongruities in these data persist; research is ongoing to address these data deficiencies.

## Birthweight

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with

data published by other groups. Equivalents of the gram weights in terms of pounds and ounces are as follows:

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

## Computations of percentages, percent distributions, and means

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percentages, percent distributions, and means were computed. The percentage of records with missing information for each item is shown by state in [Table I](#). These levels include all births to residents in the reporting area, occurring outside of the reporting area (i.e., in a jurisdiction that has not adopted the 2003 U.S. Standard Certificate of Live Birth). This percentage was 2.0 percent for the 12-state reporting area for 2005 with levels ranging from 0.3 (Florida and Texas) to 11.2 (New Hampshire). The comparatively high level for New Hampshire at least partly reflects the fact that a significant number of births to New Hampshire residents occurred in Massachusetts, which does not yet report revised data.

An asterisk (\*) is shown in place of any derived statistic based on fewer than 20 births in the numerator.

## Population denominators

Birth and fertility rates for 2005 shown in [Tables A, B, 1, 3–5, 7–9, 11, 14, 15, and 21](#) are based on populations estimated from the 2000 census, as of July 1, 2005. These populations are shown in [Tables III and IV](#). The population estimates have been provided by the U.S. Census Bureau (29) and are based on the 2000 census counts by age, race, and sex, which have been modified to be consistent with Office of Management and Budget racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere (12,13,132,133).

Birth and fertility rates by state shown in [Tables B and 11](#) are based on state-level population estimates projected from the 2000 census provided by the U.S. Census Bureau (29). Rates by state shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates by month shown in [Table 16](#) are based on monthly population estimates also based on the 2005 estimates. Rates for unmarried women shown in [Tables 18 and 19](#) are based on distributions of the population by marital status averaged over a 3-year period for 2004–2006 as reported by the U.S. Census Bureau in the March Current Population Survey (CPS) for each year (38,39,134), which have been adjusted to July 2005 population levels (29) by the Division of Vital Statistics, NCHS (36,129). Birth and fertility rates for the Hispanic population, shown in [Tables 5, 7, 8, 9, and 15](#), are based on estimates of the total Hispanic population as of July 1, 2005 (29).



**Table III. Estimated total population by race, and estimated female population by age and race: United States, 2005**

[Populations estimated as of July 1]

| Age                        | All races   | White       | Black      | American Indian or Alaska Native | Asian or Pacific Islander |
|----------------------------|-------------|-------------|------------|----------------------------------|---------------------------|
| Total population . . . . . | 296,410,404 | 240,135,528 | 39,073,991 | 3,161,185                        | 14,039,700                |
| Female population          |             |             |            |                                  |                           |
| 15–44 years . . . . .      | 62,073,767  | 48,678,108  | 9,177,145  | 747,762                          | 3,470,752                 |
| 10–14 years . . . . .      | 10,175,908  | 7,863,953   | 1,716,177  | 144,060                          | 451,718                   |
| 15–19 years . . . . .      | 10,248,766  | 7,976,530   | 1,675,131  | 148,112                          | 448,993                   |
| 15–17 years . . . . .      | 6,224,876   | 4,829,450   | 1,034,751  | 90,414                           | 270,261                   |
| 18–19 years . . . . .      | 4,023,890   | 3,147,080   | 640,380    | 57,698                           | 178,732                   |
| 20–24 years . . . . .      | 10,180,924  | 7,965,749   | 1,568,850  | 140,438                          | 505,887                   |
| 25–29 years . . . . .      | 9,797,533   | 7,603,016   | 1,474,326  | 119,314                          | 600,877                   |
| 30–34 years . . . . .      | 9,924,119   | 7,685,438   | 1,434,841  | 110,151                          | 693,689                   |
| 35–39 years . . . . .      | 10,438,579  | 8,230,555   | 1,462,794  | 109,986                          | 635,244                   |
| 40–44 years . . . . .      | 11,483,846  | 9,216,820   | 1,561,203  | 119,761                          | 586,062                   |
| 45–49 years . . . . .      | 11,377,948  | 9,241,505   | 1,481,578  | 114,006                          | 540,859                   |

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. The multiple-race population estimates were bridged to the single-race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 29.

Rates for Hispanic subgroups are based on special population estimates that are presented in [Table IV](#) in the "Technical Notes." More information about the populations for Hispanic subgroups is presented elsewhere (126,135).

The populations by race used in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are based on the 2000 census counts. Reflecting the new guidelines issued in 1997 by the Office of Management and Budget (OMB), the 2000 census included an option for individuals to report more than one race

as appropriate for themselves and household members (11). In addition, the 1997 OMB guidelines called for reporting of Asian persons separately from Native Hawaiians or Other Pacific Islanders. In the earlier 1977 OMB guidelines, data for Asian or Pacific Islander persons were collected as a single group (10). Except for 19 states, birth certificates currently report only one race for each parent in the categories specified in the 1977 OMB guidelines (see "Race and Hispanic origin"). In addition, birth certificate data for the unrevised states do not report Asians separately from Native Hawaiians or Other Pacific

**Table IV. Estimated total population by specified Hispanic origin and estimated female population by age and specified Hispanic origin and by race for women of non-Hispanic origin: United States, 2005**

[Populations estimated as of July 1]

| Age                        | Hispanic   |            |              |           |                             | Non-Hispanic       |             |            |
|----------------------------|------------|------------|--------------|-----------|-----------------------------|--------------------|-------------|------------|
|                            | Total      | Mexican    | Puerto Rican | Cuban     | Other Hispanic <sup>1</sup> | Total <sup>2</sup> | White       | Black      |
| Total population . . . . . | 42,687,224 | 28,096,347 | 3,687,295    | 1,580,333 | 9,323,273                   | 253,723,180        | 200,358,278 | 37,340,566 |
| Female population          |            |            |              |           |                             |                    |             |            |
| 15–44 years . . . . .      | 9,917,394  | 6,436,355  | 878,573      | 318,496   | 2,283,938                   | 52,156,373         | 39,488,077  | 8,742,417  |
| 10–14 years . . . . .      | 1,885,383  | 1,284,131  | 182,935      | 44,672    | 373,653                     | 8,290,525          | 6,129,857   | 1,626,570  |
| 15–19 years . . . . .      | 1,676,465  | 1,088,546  | 171,337      | 44,430    | 372,149                     | 8,572,301          | 6,433,446   | 1,598,166  |
| 15–17 years . . . . .      | 1,030,922  | 678,587    | 106,704      | 27,696    | 217,933                     | 5,193,954          | 3,881,044   | 986,813    |
| 18–19 years . . . . .      | 645,543    | 409,959    | 64,633       | 16,734    | 154,216                     | 3,378,347          | 2,552,402   | 611,353    |
| 20–24 years . . . . .      | 1,693,390  | 1,141,933  | 150,709      | 43,859    | 356,892                     | 8,487,534          | 6,399,197   | 1,496,094  |
| 25–29 years . . . . .      | 1,786,681  | 1,214,292  | 146,939      | 44,764    | 380,682                     | 8,010,852          | 5,946,510   | 1,395,735  |
| 30–34 years . . . . .      | 1,745,406  | 1,165,130  | 132,094      | 58,213    | 389,967                     | 8,178,713          | 6,061,783   | 1,359,475  |
| 35–39 years . . . . .      | 1,580,480  | 976,181    | 137,817      | 65,761    | 400,700                     | 8,858,099          | 6,763,082   | 1,393,243  |
| 40–44 years . . . . .      | 1,434,972  | 850,273    | 139,677      | 61,469    | 383,548                     | 10,048,874         | 7,884,059   | 1,499,704  |
| 45–49 years . . . . .      | 1,186,666  | 682,843    | 123,334      | 42,245    | 338,242                     | 10,191,282         | 8,139,883   | 1,430,411  |

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

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

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. The multiple-race population estimates were bridged to the single-race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 135.

Islanders. Thus, birth certificate data by race (the numerators for birth and fertility rates) currently are largely incompatible with the population data collected in the 2000 census (the denominators for the rates).

To produce birth and fertility rates for 1991 through 2005, it was necessary to “bridge” the reported population data for multiple race persons back to single race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB racial categories, that is, to report the data for Asian persons and Native Hawaiians or Other Pacific Islanders as a combined category Asian or Pacific Islanders (30,133). The procedures used to produce the “bridged” populations are described in separate publications (12,13). Beginning with births occurring in 2003, several states began reporting multiple race data. Once all states revise their birth certificates to be compliant with the 1997 OMB standards, the use of “bridged” populations can be discontinued.

Populations used to calculate the rates for 1991–1999 are based on population estimates as of July 1 of each year and were produced by the U.S. Census Bureau, with support from the National Cancer Institute (12,29,30). These intercensal population estimates for 1991–1999 are revised based on the April 1, 2000, census. The rates for 1990 and 2000 are based on populations from the censuses in those years as of April 1.

Readers should keep in mind that the population data used to compile birth and fertility rates by race and ethnicity shown in this report are based on special estimation procedures, and are not actual counts. This is the case even for the 2000 populations that are based on the 2000 census. As a result, the estimation procedures used to develop these populations may contain some errors. Smaller populations, for example, AIAN, are likely to be affected much more than larger populations by potential measurement error (12). 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.

## Computation of rates

In computing birth rates by live-birth order, births with birth order not stated were distributed in the same proportion as births of known live-birth order. This procedure is done separately by race.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the U.S. Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (0.7 percent) were actually to Hispanic mothers (see [Table I](#)). In computing the rates, the census-based populations with origin not stated are imputed. The effect on the rates is believed to be small.

An asterisk (\*) is shown in place of any derived rate based on fewer than 20 births in the numerator, or a population denominator of less than 50 (unweighted) for decennial years and 75,000 (weighted) for all other years for the Hispanic subgroups. Rates based on populations below these minimum levels lack sufficient reliability for analytic purposes. These guidelines follow the suggestions of the U.S. Census Bureau (136,137). The population estimates for some Hispanic subgroups, especially Cubans, often do not meet the above minimum. Therefore, age-specific rates are not shown for some groups. However, summary fertility measures (i.e., crude birth rate, general fertility rate, and total fertility rate) are possible and these have been included.

*Age of father*—Information on age of father is often missing on birth certificates of children born to unmarried women ([Table I](#)). In computing birth rates by age of father, births where age of father is not stated are distributed in the same proportions as births with known age within each 5-year-age classification of mother. This procedure is followed because, although father’s age is missing on 14 percent of the birth certificates, one quarter of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

## Graphic presentation

Trend data shown in [figure 4](#) is plotted using a logarithmic scale. This approach is taken to facilitate comparison of the relative change in rates over time for each series of rates as well as the differentials among rates for different series.

## Random variation and significance testing for natality data

The number of births reported for an area is essentially a complete count, because more than 99 percent of all births are registered. Although this number is not subject to sampling error, it may be affected by nonsampling errors in the registration process such as mistakes in recording the mother’s residence or age during the registration process.

When the number of births is used for analytic purposes (that is, the comparison of numbers, rates, and percentages over time, for different areas, or between different groups), the number of events that *actually* occurred can be thought of as one outcome in a large series of possible results that *could have* occurred under the same (or similar) circumstances. When considered in this way, the number of births is subject to random variation and a probable range of values can be estimated from the actual figures, according to certain statistical assumptions.

The confidence interval is the range of values for the number of births, birth rates, or percentage of births that you could expect in 95 out of 100 cases. The confidence limits are the end points of this range of values (the highest and lowest values). Confidence limits tell you how much the number of events or rates could vary under the same (or similar) circumstances.

Confidence limits for numbers, rates, and percentages can be estimated from the actual number of vital events. Procedures differ for rates and percentages and also differ depending on the number of births on which these statistics are based. Below are detailed procedures and examples for each type of case.

When the number of vital events is large, the distribution is assumed to follow a normal distribution (where the relative standard error is small). When the number of events is small and the probability of the event is small, the distribution is assumed to follow a Poisson probability distribution. Considerable caution should be observed in interpreting the occurrence of infrequent events.

## 95-percent confidence limits for numbers less than 100

When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution (138). Confidence limits are estimated using the following formulas:

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

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

where

$B$  = number of births

$L$  = the value in [Table V](#) that corresponds to the number  $B$

$U$  = the value in [Table V](#) that corresponds to the number  $B$

### Example

Suppose that the number of first births to American Indian or Alaskan Native (AIAN) women 40–44 years of age was 47. The confidence limits for this number would be:

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

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

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

## 95-percent confidence limits for numbers of 100 or more

When the number of events is greater than 100, the data are assumed to approximate a normal distribution. Formulas for 95-percent confidence limits are:

$$\text{Lower limit} = B - (1.96 \times \sqrt{B})$$

$$\text{Upper limit} = B + (1.96 \times \sqrt{B})$$

where

$B$  = number of births

### Example

Suppose that the number of first births to white women 40–44 years of age was 14,108. The 95-percent confidence limits for this number would be:

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

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

This means that the chances are 95 out of 100 that the actual number of first births to white women 40–44 years of age would lie between 13,875 and 14,341.

## Computing confidence intervals for rates

The same statistical assumptions can be used to estimate the variability in birth rates. Again, one formula is used for rates based on numbers of events less than 100, and another formula for rates based on numbers of 100 or greater. For our purposes, assume that the denominators of these rates (the population estimates) have no error. Although this assumption is technically correct only for denominators based on the census that occurs every 10 years, the error in intercensal population estimates is usually small, difficult to measure, and therefore not considered. (See however, discussion of population denominators earlier in the [“Technical Notes.”](#))

## 95-percent confidence limits for rates based on fewer than 100 events

When the number of events in the numerator is less than 20 (or the population denominator is less than 50 for decennial years and 75,000 for all other years for the Hispanic subgroups), an asterisk (\*) is shown in place of the rate because there were too few births or the population is too small to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100 (and the population denominator for the Hispanic subgroups is above the minimum), the confidence interval for a rate can be estimated using the two formulas that follow and the values in [Table V](#).

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

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

where

$R$  = birth rate

$L$  = the value in [Table V](#) that corresponds to the number of events  $B$

$U$  = the value in [Table V](#) that corresponds to the number of events  $B$

### Example

Suppose that the first birth rate for AIAN women 40–44 years of age was 0.50 per thousand, based on 47 births in the numerator. Using [Table V](#):

$$\text{Lower limit} = 0.50 \times 0.73476 = 0.37$$

$$\text{Upper limit} = 0.50 \times 1.32979 = 0.66$$

This means that the chances are 95 out of 100 that the actual first birth rate for AIAN women 40–44 year of age lies between 0.37 and 0.66.

## 95-percent confidence limits for rates when the numerator is 100 or more

In this case, use the following formula for the birth rate  $R$  based on the number of births  $B$ :

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

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

**Table V. Values of L and U for calculating 95-percent confidence limits for numbers of events and rates when the number of events is less than 100**

| N  | L       | U       | N  | L       | U       |
|----|---------|---------|----|---------|---------|
| 1  | 0.02532 | 5.57164 | 51 | 0.74457 | 1.31482 |
| 2  | 0.12110 | 3.61234 | 52 | 0.74685 | 1.31137 |
| 3  | 0.20622 | 2.92242 | 53 | 0.74907 | 1.30802 |
| 4  | 0.27247 | 2.56040 | 54 | 0.75123 | 1.30478 |
| 5  | 0.32470 | 2.33367 | 55 | 0.75334 | 1.30164 |
| 6  | 0.36698 | 2.17658 | 56 | 0.75539 | 1.29858 |
| 7  | 0.40205 | 2.06038 | 57 | 0.75739 | 1.29562 |
| 8  | 0.43173 | 1.97040 | 58 | 0.75934 | 1.29273 |
| 9  | 0.45726 | 1.89831 | 59 | 0.76125 | 1.28993 |
| 10 | 0.47954 | 1.83904 | 60 | 0.76311 | 1.28720 |
| 11 | 0.49920 | 1.78928 | 61 | 0.76492 | 1.28454 |
| 12 | 0.51671 | 1.74680 | 62 | 0.76669 | 1.28195 |
| 13 | 0.53246 | 1.71003 | 63 | 0.76843 | 1.27943 |
| 14 | 0.54671 | 1.67783 | 64 | 0.77012 | 1.27698 |
| 15 | 0.55969 | 1.64935 | 65 | 0.77178 | 1.27458 |
| 16 | 0.57159 | 1.62394 | 66 | 0.77340 | 1.27225 |
| 17 | 0.58254 | 1.60110 | 67 | 0.77499 | 1.26996 |
| 18 | 0.59266 | 1.58043 | 68 | 0.77654 | 1.26774 |
| 19 | 0.60207 | 1.56162 | 69 | 0.77806 | 1.26556 |
| 20 | 0.61083 | 1.54442 | 70 | 0.77955 | 1.26344 |
| 21 | 0.61902 | 1.52861 | 71 | 0.78101 | 1.26136 |
| 22 | 0.62669 | 1.51401 | 72 | 0.78244 | 1.25933 |
| 23 | 0.63391 | 1.50049 | 73 | 0.78384 | 1.25735 |
| 24 | 0.64072 | 1.48792 | 74 | 0.78522 | 1.25541 |
| 25 | 0.64715 | 1.47620 | 75 | 0.78656 | 1.25351 |
| 26 | 0.65323 | 1.46523 | 76 | 0.78789 | 1.25165 |
| 27 | 0.65901 | 1.45495 | 77 | 0.78918 | 1.24983 |
| 28 | 0.66449 | 1.44528 | 78 | 0.79046 | 1.24805 |
| 29 | 0.66972 | 1.43617 | 79 | 0.79171 | 1.24630 |
| 30 | 0.67470 | 1.42756 | 80 | 0.79294 | 1.24459 |
| 31 | 0.67945 | 1.41942 | 81 | 0.79414 | 1.24291 |
| 32 | 0.68400 | 1.41170 | 82 | 0.79533 | 1.24126 |
| 33 | 0.68835 | 1.40437 | 83 | 0.79649 | 1.23965 |
| 34 | 0.69253 | 1.39740 | 84 | 0.79764 | 1.23807 |
| 35 | 0.69654 | 1.39076 | 85 | 0.79876 | 1.23652 |
| 36 | 0.70039 | 1.38442 | 86 | 0.79987 | 1.23499 |
| 37 | 0.70409 | 1.37837 | 87 | 0.80096 | 1.23350 |
| 38 | 0.70766 | 1.37258 | 88 | 0.80203 | 1.23203 |
| 39 | 0.71110 | 1.36703 | 89 | 0.80308 | 1.23059 |
| 40 | 0.71441 | 1.36172 | 90 | 0.80412 | 1.22917 |
| 41 | 0.71762 | 1.35661 | 91 | 0.80514 | 1.22778 |
| 42 | 0.72071 | 1.35171 | 92 | 0.80614 | 1.22641 |
| 43 | 0.72370 | 1.34699 | 93 | 0.80713 | 1.22507 |
| 44 | 0.72660 | 1.34245 | 94 | 0.80810 | 1.22375 |
| 45 | 0.72941 | 1.33808 | 95 | 0.80906 | 1.22245 |
| 46 | 0.73213 | 1.33386 | 96 | 0.81000 | 1.22117 |
| 47 | 0.73476 | 1.32979 | 97 | 0.81093 | 1.21992 |
| 48 | 0.73732 | 1.32585 | 98 | 0.81185 | 1.21868 |
| 49 | 0.73981 | 1.32205 | 99 | 0.81275 | 1.21746 |
| 50 | 0.74222 | 1.31838 |    |         |         |

where

$R$  = birth rate

$B$  = number of births

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

**Example**

Suppose that the first birth rate for white women 40–44 years of age was 1.55 per 1,000, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

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

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

**Computing 95-percent confidence intervals for percentages**

In many instances we need to compute the confidence intervals for percentages. Percentages derive from a binomial distribution. As with birth rates, an asterisk (\*) will be shown for any percentage that

is based on fewer than 20 births in the numerator. We easily compute a 95-percent confidence interval for a percentage when the following conditions are met:

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

where

$B$  = number of births in the denominator

$p$  = percent divided by 100

$q = 1 - p$

For natality data, these conditions will be met except for very rare events in small subgroups. If the conditions are not met, the variation in the percentage will be so large as to render the confidence intervals meaningless. When these conditions are met the 95-percent confidence interval can be computed using the normal approximation of the binomial. The 95-percent confidence intervals are computed by the following formulas:

$$\text{Lower limit} = p - [1.96 \times (\sqrt{p \times q / B})]$$

$$\text{Upper limit} = p + [1.96 \times (\sqrt{p \times q / B})]$$

where

$p$  = percent divided by 100

$q = 1 - p$

$B$  = number of births in the denominator

### Example

Suppose that the percentage of births to Hispanic women in Arizona that were to unmarried women was 49.7 percent. This was based on 14,752 births in the numerator and 29,682 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

$$29,682 \times 0.497 = 14,752$$

$$29,682 \times (1 - 0.497) = 29,682 \times 0.503 = 14,930$$

Both 14,752 and 14,930 are greater than 5 so we can proceed. The 95-percent confidence interval would be:

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

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

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

## Significance testing

### One or both of the rates is based on fewer than 100 cases

To compare two rates, when one or both of those rates are based on less than 100 cases, you first compute the confidence intervals for both rates. Then you check to see if those intervals

overlap. If they **do** overlap, the difference is not statistically significant at the 95-percent level. If they **do not** overlap, the difference is indeed statistically significant.

### Example

Suppose that the first birth rate for AIAN women 40–44 years of age was 0.70 per 1,000 in year X and 0.57 in year Y. Is the rate for year X significantly higher than the rate for year Y? The two rates are based on 63 events in year X and 54 events in year Y. Both rates are based on fewer than 100 events; therefore, the first step is to compute the confidence intervals for both rates.

|                  | Lower Limit | Upper Limit |
|------------------|-------------|-------------|
| Year X . . . . . | 0.54        | 0.90        |
| Year Y . . . . . | 0.43        | 0.74        |

These two confidence intervals overlap. Therefore, the first birth rate for AIAN women aged 40–44 in year X is not significantly higher (at the 95-percent confidence level) than the rate in year Y.

This method of comparing confidence intervals is a conservative test for statistical significance. That is, the difference between two rates may, in fact, be statistically significant even though confidence intervals for the two rates overlap (139). Thus, caution should be observed when interpreting a nonsignificant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

### Both rates are based on 100 or more events

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

$$1.96 \times \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where

$R_1$  = first rate

$R_2$  = second rate

$N_1$  = first number of births

$N_2$  = second number of births

If the difference is **greater** than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is **less than or equal** to this statistic, the difference might occur by chance more than 5 times out of 100. We say that the difference is not statistically significant at the 95-percent confidence level.

### Example

Is the first birth rate for black women 40–44 years of age (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is  $1.55 - 1.08 = 0.47$ . The statistic is then calculated as follows:

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

The difference between the rates (0.47) is greater than this statistic (0.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

### Testing differences between two percentages

When testing the difference between two percentages, both percentages must meet the following conditions:

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

where

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

When both percentages meet these conditions then the difference between the two percentages is considered statistically significant if it is greater than the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two percentages.

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

where

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

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

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

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

### Example

Is the percentage of births to Hispanic women that were to unmarried women higher in New Mexico (50.2) than in Arizona (49.7)? Suppose that the number in the denominator was 13,714 in New Mexico and 29,682 in Arizona. The necessary conditions are met for both percentages (calculations not shown). The difference between the two percentages is  $0.502 - 0.497 = 0.005$ . The statistic is then calculated as follows:

$$\begin{aligned}
 1.96 \times \sqrt{0.499 \times (0.501) \times (0.000106609)} &= 1.96 \times \sqrt{0.000026652} \\
 &= 1.96 \times 0.005162563 \\
 &= 0.010
 \end{aligned}$$

The difference between the percentages (0.005) is less than this statistic (0.010). Therefore, the difference is not statistically significant at the 95-percent confidence level.

Information on computing confidence intervals for and testing differences between rates for Hispanic subgroups is available elsewhere (9).

### Testing differences between two means

A previous report details the formula and procedure in testing differences between two means in which both means are based on 100 or more cases (34).

### Definitions of medical terms

Maternal and infant health characteristics available from both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth are presented in this report. The definitions below are based on those developed for the 2003 revision of the U.S. Standard Certificate of Live Birth (60). These definitions are similar to, but not the same as those developed for the 1989 revision of the U.S. Standard Certificate of Live Birth. For definitions used for the 1989 revision see "Births: Final Data for 2003." (59).

### Risk factors in this pregnancy

*Diabetes*—Glucose intolerance requiring treatment.

*Hypertension, pregnancy-associated*—Diagnosis in this pregnancy of elevation of blood pressure above normal for age, gender, and physiological condition.

*Hypertension, chronic*—Diagnosis prior to the onset of this pregnancy of elevation of blood pressure above normal for age, gender, and physiological condition.

### Obstetric procedures/Characteristics of labor and delivery

*Induction of labor*—Initiation of uterine contractions by medical and/or surgical means for the purpose of delivery before the spontaneous onset of labor (i.e., before labor has begun).

*Tocolysis*—Administration of any agent with the intent to inhibit preterm uterine contractions to extend the length of the pregnancy.

*Meconium, moderate/heavy*—Retention of the amniotic fluid caused by passage of fetal bowel contents during labor and/or at delivery that is more than enough to cause a greenish color change of an otherwise clear fluid.

*Breech/Malpresentation*—Presenting part of the fetus listed as breech, complete breech, frank breech, footling breech.

*Precipitous labor*—Labor lasting less than 3 hours.

### Congenital anomalies

*Anencephaly*—Partial or complete absence of the brain and skull

*Meningocele/Spina bifida*—Meningocele is herniation of meninges and spinal cord tissue. Meningocele (herniation of meninges without spinal cord tissue) should also be included in this category. Both open and closed (covered with skin) lesions should be included. Spina bifida is herniation of the meninges and/or spinal cord tissue through a bony defect of spine closure.

*Omphalocele/Gastroschisis*—Omphalocele is a defect in the anterior abdominal wall, accompanied by herniation of some abdominal organs through a widened umbilical ring into the umbilical stalk. Gastroschisis is an abnormality of the anterior abdominal wall, lateral to the umbilicus, resulting in herniation of the abdominal contents directly into the amniotic cavity.

*Cleft lip/palate*—Cleft lip is incomplete closure of the lip. May be unilateral, bilateral, or median. Cleft palate is incomplete fusion of the palatal shelves. May be limited to the soft palate, or may extend into the hard palate.

*Down syndrome*—The most common chromosomal defect (trisomy 21).

## Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics include mean age of mother (34); Hispanic origin births (126,140); characteristics of multiple-race mothers (16), twin births (113); trends in teenage and young teen births (19,20); cesarean deliveries (73,141), attendant at birth, place of delivery, and obstetric procedures (142); births to unmarried mothers (36,129); trends in pregnancies and pregnancy rates (20,21), trends in characteristics of births by state (143); birth outcome (144–146); trends in reproduction and intrinsic rates (147) trends in smoking (148); and expanded health data from the revised; birth certificate (8).

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