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Births: Final Data for 2001

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National Vital

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Abstract

Objectives-This report presents 2001 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 characteristics (medical risk factors, weight gain, tobacco, and alcohol use); medical care utilization by pregnant women (prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth, and method of delivery); and infant characteristics (period of gestation, birthweight, Apgar score, abnormal conditions, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's State of residence are shown, 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 4.026 million births that occurred in 2001 are presented. Denominators for population-based rates are derived from the 1990 U.S. census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin.

Results—The number of births, the birth rate, fertility rate, and total fertility rates all declined 1 percent in 2001. The teenage birth rate reached another historic low. Birth rates for women in their twenties declined slightly, whereas rates for women aged 30 to 44 years continued to rise. Births to unmarried women changed very little. Smoking by pregnant women was down again. Women were more likely to begin care in the first trimester of pregnancy (83.4 percent). The cesarean delivery rate rose for the fifth consecutive year to 24.4 percent; the primary cesarean rate was up 5 percent and the rate of vaginal births after a previous cesarean fell 20 percent. Preterm and low birthweight levels both rose for 2001. The twin birth rate continued to climb, and, following 2 years of decline, the rate of triplet/+ births also increased.

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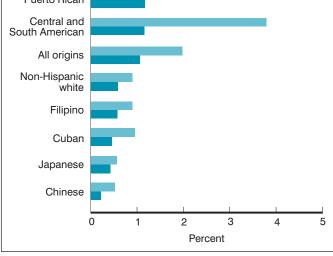
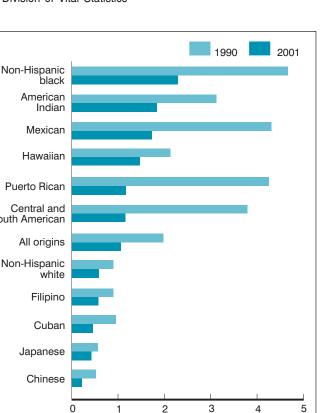


Figure 1. Percent of women with no prenatal care: United States, 1990 and 2001

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





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This report is dedicated to Ronald F. Chamblee, M.S. 1947–2002



Ronald F. Chamblee was Chief of the Division of Vital Statistics' Data Acquisition and Evaluation Branch for 18 years. In that role he managed the receipt of vital statistics data from the States and worked with State vital statistics offices to improve the quality and timeliness of natality and mortality data. The early release of this report would not have been possible without his efforts. His perception and advice will be greatly missed by his colleagues and friends at NCHS and in the States.

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Highlights

- There were 4,025,933 births in the U.S. in 2001, 1 percent fewer than the previous year. This marks the first decline in the number of births following 3 consecutive years of increases. Births to non-Hispanic white and black mothers were down, but the number of births to Hispanic women rose 4 percent.
- The birth rate declined from 14.7 to 14.5 per 1,000 total population, matching the record lows reported for 1997 and 1999. The general fertility rate also declined 1 percent to 66.9 births per 1,000 women aged 15–44 years. Fertility rates were down for most racial and Hispanic origin subgroups in 2001. Rates dropped 1–3 percent for American Indian, non-Hispanic white, Asian or Pacific Islander (API), and non-Hispanic black women, and rose 2 percent for Hispanic women.
- The U.S. total fertility rate (TFR) was down slightly for 2001 to 2,114.5. The TFR estimates the number of births that a 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. TFR declined for most race/ethnic groups for 2001, but increased among Hispanics.
- The **birth rate for teenagers** reached another historic low in 2001, dropping to 45.8 births per 1,000 women aged 15–19 years. The rate has declined 26 percent since 1991 (62.1). Birth rates have fallen for all teenage subgroups. The rate for the youngest teenagers, 10–14 years, declined to 0.8 per 1,000. Rates for teenagers 15–17 and 18–19 years attained record lows for the Nation; the rate for ages 15–17 was 25.2 per 1,000, 35 percent below the 1991 level and the rate for ages 18–19 was 75.5, down 20 percent since 1991. All population groups have recorded declines since 1991, with the rate for young black teenagers 15–17 years falling most steeply, by 46 percent, to its lowest point ever. Teenage pregnancy rates declined as well during the 1990s, reflecting reductions in teen birth and abortion rates.
- Birth rates for women in their twenties declined in 2001. The rate for women aged 20–24 years dropped 2 percent to 109.9 per 1,000; the rate for 25–29-year-olds was down very slightly to 121.3. The birth rate for women 30–34 years rose 1 percent to 95.2 and that for women 35–39 years 2 percent to 41.3 per 1,000;

rates for these age groups have risen 20 and 30 percent, respectively, over the last decade. The **birth rate for women 40–44 years** increased to 8.1 per 1,000, matching the previous high in 1970.

- The first birth rate declined in 2001 to 26.6 births per 1,000 women aged 15–44 years.
- The tendency of women to postpone childbearing continued; the median age at first birth rose from 24.6 to 24.8 years, and has risen from 22.1 years since 1970.
- Childbearing by unmarried women changed very little in 2001. The birth rate declined slightly to 45.0 births per 1,000 unmarried women aged 15–44 years. The number of births rose less than 1 percent to 1,349,249, the highest number ever reported, while the percent of births that were to unmarried women increased from 33.2 to 33.5 percent. Births and birth rates for unmarried teenagers continued to decline in 2001.
- Cigarette smoking during pregnancy continued to fall in 2001, to 12.0 percent overall, a drop of 38 percent from 1989. As in previous years, women in age groups 18–24 years were most likely to smoke during pregnancy. Smoking rates declined in 2001 for teenagers and for women in age groups 25–54 years; a small increase was reported for women aged 20–24 years. Maternal smoking is a major risk factor for reduced infant birthweight; 11.9 percent of births to smokers were low birthweight compared with 7.3 percent for nonsmokers.
- Women were more likely to have timely prenatal care in 2001; 83.4 percent began care in the first trimester of pregnancy in 2001 compared with 83.2 percent in 2000. Timely care has risen 10 percent since 1990. The percent of women with no prenatal care declined to 1.1 percent between 2000 and 2001, down from 2.0 percent since 1990. Strong gains in prenatal care utilization between 1990 and 2001 are seen for all racial/ethnic groups, but are particularly marked for non-Hispanic black (no care dropped from 4.7 to 2.3 percent) and Hispanic women (from 4.0 to 1.6 percent). See figure 1.
- The rate of cesarean delivery rose for the fifth consecutive year, to 24.4 percent for 2001. The 2001 rate is the highest since these data became available from birth certificates (1989). The primary cesarean rate rose 5 percent and the rate of vaginal births after previous cesarean delivery (VBAC) fell steeply, by 20 percent. Increases in the total cesarean rate were observed for each State and reporting area.
- The rate of induction of labor increased again for 2001 to 20.5 percent, or more than 1 out of every 5 births. The proportion of births which are induced has more than doubled since 1989.
- The percent of infants born preterm, or at less than 37 completed weeks of gestation, increased to 11.9 for 2001, the highest level in at least two decades. The preterm birth rate has risen 27 percent since 1981. Preterm rates rose for each of the three largest racial/ethnic groups.
- The low birthweight rate (less than 2,500 grams) increased slightly, from 7.6 to 7.7 percent from 2000 to 2001. Influenced in part by the increased rate of multiple births, low birthweight (LBW) has climbed 13 percent since the mid-1980s. The rate of very low

birthweight (VLBW) (less than1,500 grams) was 1.44 percent for 2001, essentially unchanged from 2000 (1.45 percent), but up from 1.16 percent in 1981.

• The **twin birth rate** rose 3 percent to 30.1 per 1,000 in 2001, marking the first year in which the proportion of all births which are twins exceeded 3 percent. The twinning rate has risen 33 percent since 1990, and 59 percent since 1980. Following a 2-year decline, the rate of **triplet and other higher order multiple births** (triplet/+) rose 3 percent to 185.6 per 100,000, but remained lower than the 1998 peak. The triplet/+ birth rate has climbed more than 400 percent since 1980.

Introduction

This report presents detailed data on numbers and characteristics of births in 2001, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and change in this country and in individual States. Data on maternal characteristics such as weight gain, tobacco and alcohol use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of low birthweight and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 2001 presented data on selected topics based on a substantial sample (96.4 percent) of the 2001 birth file (1). Findings for the selected measures (age, race, Hispanic origin, and marital status of mother, live-birth order, prenatal care, cesarean delivery, 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 is possible by using the Natality public use data tape which is issued for each year. Birth data are also available in CD-ROM format beginning with the 1968 data year, and a selection of tables of detailed data are available on the NCHS homepage at http://www.cdc.gov/ nchs/datawh/statab/unpubd/natality/natab99.htm (2,3).

The U.S. and State-level birth and fertility rates in this report are based on population estimates projected from the 1990 census because detailed populations based on the 2000 census were not available when this report was prepared. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin. See the Methods section and the Technical Notes. Comparison between rates for the current year and for 2000, which also uses population denominators based on the 1990 census, should be affected only marginally when more accurate denominators from the 2000 census are used. Comparisons with rates in the early 1990s will be more affected. Revised estimates based on the 2000 census will be presented in a forthcoming report planned for early 2003.

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 (4). 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.

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

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: white, total; white non-Hispanic; black, total; black non-Hispanic; and Hispanic. Data for American Indian and Asian or Pacific Islander (API) births are not shown separately by Hispanic origin because the majority of these populations are non-Hispanic. Data are also presented for the following five Hispanic subgroups: Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic. Data are shown for five API subgroups: Chinese, Japanese, Hawaiian, Filipino, and "other" API. In addition, 11 States report data on API subgroups included in the "other API" category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API); see Technical Notes.

U.S. and State-level birth and fertility rates in this report are computed on the basis of population denominators provided by the U.S. Census Bureau. All population estimates are projected from the 1990 census because detailed populations from the 2000 census were not available when this report was prepared. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin. A comparison of summary 2000 census population results with the unpublished estimates for 2000 projected from the 1990 census indicates that the U.S. Hispanic population used for this report is 8 percent lower than the population based on the 2000 census (5-7). The underestimate for Hispanic women 15-44 years of age is 9.5 percent (compared with an underestimate of 2 percent for all women 15-44 years of age). Therefore, the Hispanic birth and fertility rates presented here are overstated because the population base is too small. Similar but less pronounced effects for other population groups are also likely; see Technical Notes. Revised estimates based on the 2000 census will be presented in a forthcoming report planned for early 2003. Birth rates for Hispanic subgroups for 2001, which are not included in this report, also will be included in the forthcoming publication. Rates by State shown in this report also may differ from rates computed on the basis of other population estimates.

Information on the measurement of marital status, gestational age, and birthweight; the computation of derived statistics and rates; population denominators; random variation and relative standard error; and the definitions of terms are presented in the Technical Notes.

Information on births by age, race, or marital status of mother is imputed if it is not reported on the birth certificate. These items were not reported for less than 1 percent of U.S. births in 2001. (See Technical Notes for additional information.) All other maternal 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 percents, percent distributions, and medians are computed. Thus, for example, the proportion of women receiving care in the first trimester of pregnancy is computed on the basis of births for which month prenatal care began was reported. Levels of nonreporting vary substantially by specific item and by State. Table I in the Technical Notes provides information on the percent of records with missing information for each item by State for 2001. Readers should note that the levels of incomplete or inaccurate reporting for some of the items are quite high in some States. Data for 2001 for the District of Columbia and Washington State are of particular concern.

Demographic Characteristics

Births and birth rates

Number of births

There were 4,025,933 births in the United States in 2001, 1 percent fewer births than in 2000 (4,058,814). This marks the first decline after 3 consecutive years of increase. The number of births fell 7 percent between 1990, the most recent high point in U.S. births, and 1997, the most recent low, but increased 3 percent between 1998 and 2000. Despite the decline in 2001, the number of births was still 4 percent greater than the number in 1997. (See tables 1–12 for national and State birth data by age, live-birth order, race, and Hispanic origin.)

Declines in the number of births were observed for most, but not all, **race and ethnic groups** in 2001 (**tables 1 and 6**). Births to non-Hispanic white and non-Hispanic black women fell 2 percent compared with a very slight rise for American Indian births. Overall Asian or Pacific Islander births declined very slightly; among the Asian or Pacific Islander (API) subgroups, changes ranged from an increase of 2 percent for "other" API, to a decrease of 8 percent for Chinese births. Births to Hispanic mothers rose 4 percent overall; however, increases were limited to Cuban, Mexican, and Central and South American mothers; births to Puerto Rican and "other" Hispanic mothers declined.

Crude birth rate

The crude birth rate declined to 14.5 live births per 1,000 total population in 2001 from 14.7 in 2000, returning to the record lows reported for 1997 and 1999. The birth rate has been comparatively low and stable since 1996. Between 1975 and 1990, the crude birth rate rose 14 percent (from 14.6 to 16.7), but then fell 13 percent between 1990 and 1997 (14.5).

Fertility rate

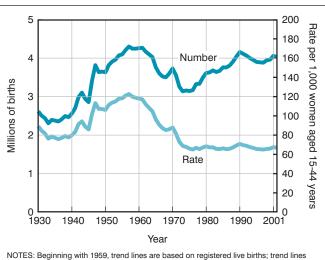
The general fertility rate, which relates births to the number of women in the childbearing ages, was 66.9 live births per 1,000 women aged 15–44 years in 2001, 1 percent lower than the rate in 2000 (67.5), and 6 percent lower than the most recent high (70.9 in 1990). Despite the drop in 2001, the rate was still 3 percent above that in 1997 (65.0), the most recent low (table 1 and figure 2).

Declines in the **fertility rate** were reported for most **race and Hispanic origin groups** between 2000 and 2001. Rates dropped 1 percent for American Indian women (70.8 per 1,000 for 2001), 2 percent for non-Hispanic white (57.6) and Asian or Pacific Islander (API) women (69.4), and 3 percent for non-Hispanic black women (71.6). The fertility rate for Hispanics increased 2 percent in 2001 (**tables 1 and 6**). (Birth and fertility rates for the API and Hispanic origin subgroups cannot be computed because the necessary populations are not available; see Technical Notes.)

Age of mother

Teenagers—Birth rates for teenagers declined again in 2001, reaching historic lows for the Nation. The **rate for the youngest teenagers** dropped to 0.8 births per 1,000 females aged 10–14 years, down from 0.9 in 1999 and 2000. The rate has declined fairly steadily since 1994 (1.4 per 1,000). The number of babies born to teenagers under age 15 fell to 7,781 in 2001 (**table 2**), the fewest recorded since 1965 (7,768). Recent declines in births to the youngest teenagers are due entirely to the drop in the birth rate; the number of female teenagers has increased steadily through the 1990s and 2000–2001 (7,8).

The **birth rate for teenagers 15–19 years** dropped 6 percent between 2000 and 2001, to 45.8 births per 1,000 teenagers. During the decade 1991–2001, the rate has fallen 26 percent, more than reversing the steep increases of the late 1980s (**tables A and 4**). In 2001, the number of babies born to women aged 15–19 years dropped 5 percent



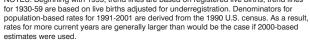


Figure 2. Live births and fertility rates: United States, 1930–2001

Table A. Birth rates for teenagers 15–19 years by age, race, and Hispanic origin of mother: United States, 1991, 2000 and 2001, and percent change, 1991–2001 and 2000–2001

[Rates are live births per 1,000 women in specified group]

| | | Non-H | ispanic | American | Asian or Pacific | |
|--|----------------------|----------------------|-------------------------|-------------------------|-----------------------|-------------------------|
| Year and age | Total ¹ | White | Black | Indian ² | Islander ² | Hispanic ³ |
| 15-19 years | | | | | | |
| 2001 | 45.8 48.5 62.1 | 30.0 32.5 43.4 | 75.6 81.9 118.9 | 66.0 67.8 85.0 | 20.4 21.6 27.4 | 92.5 94.4 106.7 |
| Percent change, 1991–2001 Percent change, 2000–2001 | -26 -6 | -31 -8 | -36 -8 | -22 -3 | -26 -6 | -13 -2 |
| 15-17 years | -0 | -0 | -0 | -3 | -0 | -2 |
| 2001 | 25.2 27.4 38.7 | 14.1 15.8 23.6 | 47.2 52.0 86.7 | 36.7 39.6 52.7 | 10.2 11.5 16.1 | 57.0 60.0 70.6 |
| Percent change, 1991–2001 Percent change, 2000–2001 | -35 -8 | -40 -11 | -46 -9 | -30 -7 | -37 -11 | -19 -5 |
| 18-19 years | | | | | | |
| 2001 | 75.5 79.2 94.4 | 52.9 56.8 70.5 | 116.8 125.1 163.1 | 111.9 113.1 134.3 | 35.6 37.0 43.1 | 143.5 143.6 158.5 |
| Percent change, 1991–2001 Percent change, | -20 | -25 | -28 | -17 | -17 | -9 |
| 2000–2001 | -5 | -7 | -7 | -1 | -4 | 0 |

¹Includes races other than white and black and origin not stated.

²Includes persons of Hispanic and non-Hispanic origin.

³Persons of Hispanic origin may be of any race.

⁴See reference 133 for information on reporting areas in 1991.

NOTES: Denominators for population-based rates are derived from the 1990 U.S. census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin.

to 445,944, falling in spite of continued increases in the number of female teenagers (7,8). Declines in teenage childbearing since the mid-1990s have been concentrated in the rate for first births while there has been little change in the proportion of teenage mothers who are going on to have subsequent births (9).

Teenage birth rates dropped for both younger and older teenagers. The **rate for ages 15–17 years** fell 8 percent to 25.2 per 1,000, whereas the **rate for older teenagers** dropped 5 percent to 75.5, both record lows. During the 1991–2001 period, these rates declined 35 percent for younger teenagers and 20 percent for older teenagers. The number of babies born to 15–17-year-olds dropped to 145,324, the lowest number in nearly half a century (145,122 in 1954). Births to older teenagers also declined steeply, to 300,620, fewer than in any year since 1987 (289,721).

Teenage birth rates differ considerably by race and Hispanic origin (tables 3, 4, 8, and 9). These disparities will be reduced but not eliminated after taking into account the considerable discontinuities in the population data on which these rates are based that occurred between the 1990 and 2000 censuses (described in the Methods section above). In 2001 rates are currently available for fewer

population subgroups compared with previous years: non-Hispanic white, non-Hispanic black, American Indian, Asian or Pacific Islander (API), and total Hispanic. Rates for Hispanic subgroups are expected to be published within a few months when the necessary population data become available. In 2001, as in previous years, Hispanic teenagers had the highest birth rate, 92.5 per 1,000, followed by non-Hispanic black (75.6), American Indian (66.0), non-Hispanic white (30.0), and API teenagers (20.4). The rates for all subgroups fell between 2000 and 2001, especially for non-Hispanic white and black teenagers, down 8 percent each. The birth rate for non-Hispanic black teenagers dropped 36 percent between 1991 and 2001.

Teenage pregnancy rates (based on the sum of live births, induced abortions, and fetal losses) have declined in recent years as well. The most recent year for which teenage *pregnancy* rates are available is 1997. The overall rate was 94.3 per 1,000 teenagers 15–19 years, down 19 percent from its 1991 peak, 116.5 (10,11). Recently published abortion data for 1998 and 2000 show a continued decline in abortions among teenagers (12,13). Along with the drop in the teenage birth rate, the decline in abortions suggests that the teenage pregnancy rate has fallen as well.

Several factors are believed to account for the downturn in teenage pregnancy and birth rates. The factors, discussed in recent reports, include continued reductions through the late 1990s and in 2000–2001 in the proportions of teenagers who are sexually experienced, coming on the heels of steady increases over the previous two decades (14–16). Since the early 1990s, a wide array of public and private initiatives have stressed the importance of preventing teenage pregnancy by abstinence and responsible behavior (17). Contraceptive use among teenagers has also increased, especially condoms, and some high-risk teenagers are using implants and injectables, which are effective hormonal contraceptives (15,18).

Women aged 20 years and over: Women in their twenties—The birth rate for women aged 20–24 years dropped 2 percent, from 112.3 in 2000 to 109.9 per 1,000 in 2001. The rate for this group fell 6 percent from 1990 (116.5) to 1995 (109.8), but rose 2 percent between 1997 (110.4) and 2000 (112.3) (figure 3, tables 3, 4, 8, and 9). The rate for women aged 25–29 years also declined in 2001 but only very slightly, from 121.4 in 2000 to 121.3 per 1,000 in 2001. The rate for this age group declined 7 percent (from 120.2 to 112.2) between 1990 and 1995 but increased 8 percent between 1995 and 2000. Compared with the rates for older women, birth rates for women in their twenties, the principal childbearing ages, have been relatively stable over the past 20 years, changing on average by less than 1 percent annually.

Women in their thirties—The rate for women aged 30–34 years increased 1 percent to 95.2 births per 1,000 in 2001, from 94.1 in 2000. The birth rate for women in this age group has increased steadily since 1991, by 20 percent (tables 4 and 9) (3,19). The rate of increase has slowed during the last decade to about 2 percent per year compared with the 3 percent annual increase for 1975–90. The number of births to women aged 30–34 years in 2001 (942,697) increased 1 percent from 2000, whereas the population of women in that age group was essentially unchanged (7).

The **birth rate for women aged 35–39 years** also rose in 2001 to 41.3, from 40.4 in 2000, a 2-percent increase. The rate for this age group has more than doubled since 1978 and has risen 30 percent since 1990. The pace of increase for this age group has slowed slightly

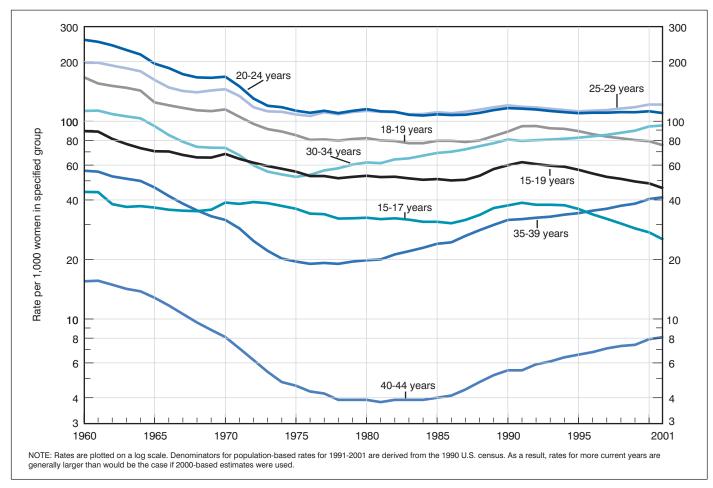


Figure 3. Birth rates by age of mother: United States, 1960–2001

over the last decade, to 2 percent annually, compared with 4 percent per year for 1978–90. The number of births to women aged 35–39 years in 2001 was 451,723, which represents 11 percent of all births. The number of births to this age group has risen 42 percent since 1990 (317,583), considerably more than the increase in the population of this age group (7,20,21). The proportion of births to women 35–39 years of age also generally has been increasing since 1977 (from 4 percent).

Women in their forties—The birth rate for women aged 40–44 years increased to 8.1 per 1,000 in 2001 from 7.9 births in 2000, the highest level reported since 1970. This rate has increased 47 percent since 1990 (5.5), and has more than doubled since 1981 (3.8), the most recent low. Women 40–44 years of age accounted for 2 percent of all births in 2001, compared with 1 percent of births in 1990, and less than 1 percent in 1981.

The **birth rate for women aged 45–49 years** was 0.5 births per 1,000 in 2001, unchanged from 2000, but has more than doubled since 1990. Between 2000 and 2001, the number of births to women in this age group rose 11 percent from 4,349 to 4,844, the highest number in three decades, and has tripled since 1990 (1,638). The increase over the decades reflects not only an increase in the number of women in this age group (who were born between 1952 and 1956), but also a greater likelihood to give birth.

Births to women aged 50 years and over—Data on births to women aged 50–54 years have recently become available again. From 1964 to 1996, age of mother was edited for ages under 10 years and 50 years or over (see Technical Notes). In 2001, 239 births occurred to women aged 50–54 years, a decline from the 255 births reported for 2000 (tables 2 and 7 for 2001 data), but considerably more than for 1997 to 1999 (144 and 174, respectively). Nevertheless, the number of births to women aged 50–54 years remains too small to compute an age-specific birth rate. In computing birth rates by age of mother, births to women aged 50–54 have been included with births to women aged 45–49; the denominator for the rate is women aged 45–49 years (see Technical Notes).

The increase in birth rates for women 35 years of age and over during the last 20 years (**table 4**) has been linked to several factors, including the availability and use of fertility-enhancing therapies (22). Among childless women aged 35–44 years reporting impaired fecundity, according to the National Survey of Family Growth, the proportion seeking fertility treatment rose considerably from 1982 to 1995 (14,23,24). In 2001, 1 out of 20 births to women aged 40–44 years, and 1 out of 5 births to women 45–54 years of age was a multiple delivery, an outcome associated with infertility therapy (see section on Multiple births).

Live-birth order

The first birth rate for women aged 15-44 years was 26.6 in 2001, 2 percent lower than the rate in 2000 (27.1) (table 5). The

second order birth rate also decreased slightly between 2000 and 2001, whereas rates for third, fifth, and all higher order births were unchanged. The rate for fourth order births increased by 2 percent.

The decline in the first birth rate for the current year was the result of declines in first birth rates to women under 30 years of age (see **table 3** for 2001 data). Declines in first births were particularly marked for mothers under 20 years of age. First birth rates for mothers 15–17 and 18–19 years of age declined by 8 and 4 percent, respectively, whereas, first birth rates for women aged 20–24 and 25–29 years declined 2 percent. Women under 30 years of age accounted for 75 percent of all first births in 2001, slightly lower than the proportion in 2000 (76 percent) and substantially lower than for 1975 (95 percent) (19). The first birth rates for women aged 30–34 years and 35–39 years were up 1 and 2 percent, respectively, in 2001; first birth rates for women 40 years of age and over remained constant.

Another useful measure for interpreting childbearing patterns is the **median age at first birth**. The median age is the middle value of the distribution of age at first birth. Arranged by age of mother, from the lowest to highest, half of the births would occur above and below the median age. The median age at first birth was 24.8 years in 2001 up from 24.6 years in 2000. The increase in 2001 while modest was consistent with that of recent years. The tendency of women to postpone childbearing, observed since the early 1970s, appears to continue (3). The median age at first birth has risen nearly 3 years since 1970, from 22.1 (data not shown) (3).

The **mean age at first birth** is another useful measure for describing age patterns in fertility. The mean is the sum of values for all observations divided by the total number of observations. The mean age of first-time mothers was 25.0 years in 2001, compared with 24.9 years in 2000. Since 1970, the mean age at first birth has increased 3.6 years. Increases in the mean age at birth were observed for most birth orders and for most racial and Hispanic origin groups (25).

Total fertility rate

The total fertility rate (TFR) in 2001 was 2,114.5 per 1,000 women, or 2.1 births per woman, just slightly lower than the rate in 2000 (2,130.0) (tables 4 and 9). The decrease in the TFR in 2001 is the result of declines in the age-specific birth rates for women under 30 years of age (see section above on Age of mother). TFRs for most race and ethnic groups fell 3 percent or less between 2000 and 2001. The TFR for Hispanic women, however, increased 2 percent.

The 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.

As in the past, TFRs among the race and Hispanic origin groups differed considerably. The 2001 TFR was 1,853.0 for non-Hispanic white, 2,035.5 for Asian or Pacific Islander (API), and 2,074.5 for American Indian women. The TFRs for non-Hispanic black and Hispanic women were 2,190.5 and 3,165.0, respectively (tables 4, 9, 13, and 14). State-specific total fertility rates for 2001 are discussed in the next section.

The overall U.S. TFR for 2001 remained above the "replacement" rate (2,100) for the second year in a row. The "replacement" rate is considered the value at which a given generation can exactly replace itself.

Births and birth rates by State

Between 2000 and 2001, the **number of births** increased in 17 States, the Virgin Islands, and Northern Marianas, and decreased in 33 States, the District of Columbia, Puerto Rico, Guam, and American Samoa (**tables 10–12**). The change in the number of births ranged from a 4-percent decline in Alabama and Mississippi to a 2percent gain in Colorado. The only statistically significant increase was for Colorado; however, the number of births fell significantly in 16 States: Alabama, Arkansas, California, Indiana, Kansas, Kentucky, Louisiana, Maryland, Michigan, Mississippi, New York, North Carolina, Ohio, Pennsylvania, Tennessee, and Washington.

Crude birth rates by State for the current year ranged from 11 births per 1,000 total population (Maine, Vermont, and West Virginia) to 22 per 1,000 (Utah) (**table 10**). Birth rates declined significantly in 24 States, Puerto Rico, and Guam. Birth rates increased, but not significantly, in only 6 States and the Virgin Islands. Typical decreases in the birth rate were around 2 percent with some significant declines of more than 3 percent (Alabama, Delaware, Kentucky, Louisiana, and Mississippi).

Fertility rates per 1,000 women aged 15–44 years in 2001 ranged from a low of 48 (Vermont) to a high of 95 (Utah) (table 10). The fertility rate increased significantly only in Colorado (2 percent). Rates declined significantly in 13 States and Puerto Rico. Declines of around 1 percent were typical.

State-specific **TFRs** for 2001, which provide a summary measure of lifetime fertility, are shown in **table 10**. The total fertility rates by State for 2001 varied substantially from a high of 2,755.5 (or 2.8 births per woman) for Utah to a low of 1,547.0 (1.5 births per woman) for Vermont. Differences in the total fertility rates and changes between 2000 and 2001 by State are quite similar to those for the general fertility rate.

Birth rates for teenagers by State

Birth rates for teenagers also vary considerably by State (tables B and 10). In 2001, birth rates for teenagers 15–19 years ranged by State from 21.0 to 66.7 per 1,000. Rates were 25.0 per 1,000 or lower in Massachusetts, New Hampshire, and Vermont. Rates were 60.0 or higher in Arizona, Arkansas, the District of Columbia, Georgia, Mississippi, New Mexico, and Texas. Teenage birth rates in 2001 were lower than in 2000 in every State. The sustained declines in birth rates for U.S. teenagers since 1991 are found in all States; rates in 2001 were significantly lower than in 1991, with overall declines by State ranging from 13 to 42 percent (table B). A review of current trends and variations in teenage birth rates by State, by age, race, and Hispanic origin, is presented in a recent report (9).

Sex ratio

The relative number of births by sex is important because it contributes to future population change, and by extension, social and economic processes. In 2001, there were 2,057,922 male and 1,968,011 female live births, or 1,046 males for every 1,000 female

Table B. Birth rates for teenagers 15–19 years by State, 1991 and 2001, and percent change, 1991–2001: United States and each State and territory

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

| State | 1991 | 2001 | Percent change, 1991–2001 | State | 1991 | 2001 | Percent change, 1991–2001 |
|----------------------------|-------|------|---------------------------------|-------------------|------|------|---------------------------------|
| United States ¹ | 62.1 | 45.8 | -26.2 | Nebraska | 42.4 | 36.0 | -15.1 |
| | | | | Nevada | 75.3 | 56.4 | -25.1 |
| Alabama | 73.9 | 57.8 | -21.8 | New Hampshire | 33.3 | 21.0 | -36.9 |
| Alaska | 65.4 | 37.7 | -42.4 | New Jersey | 41.6 | 29.9 | -28.1 |
| Arizona | 80.7 | 65.3 | -19.1 | New Mexico | 79.8 | 64.5 | -19.2 |
| Arkansas | 79.8 | 64.2 | -19.5 | New York | 46.0 | 34.1 | -25.9 |
| California | 74.7 | 45.2 | -39.5 | North Carolina | 70.5 | 55.2 | -21.7 |
| Colorado | 58.2 | 45.7 | -21.5 | North Dakota | 35.6 | 27.2 | -23.6 |
| Connecticut | 40.4 | 29.4 | -27.2 | Ohio | 60.5 | 42.2 | -30.2 |
| Delaware | 61.1 | 48.2 | -21.1 | Oklahoma | 72.1 | 58.0 | -19.6 |
| District of Columbia | 114.4 | 74.9 | -34.5 | Oregon | 54.9 | 40.9 | -25.5 |
| Florida | 68.8 | 49.3 | -28.3 | Pennsylvania | 46.9 | 33.6 | -28.4 |
| Georgia | 76.3 | 60.9 | -20.2 | Rhode Island | 45.4 | 37.4 | -17.6 |
| Hawaii | 58.7 | 42.5 | -27.6 | South Carolina | 72.9 | 57.4 | -21.3 |
| Idaho | 53.9 | 40.6 | -24.7 | South Dakota | 47.5 | 37.1 | -21.9 |
| Illinois | 64.8 | 47.3 | -27.0 | Tennessee | 75.2 | 58.4 | -22.3 |
| Indiana | 60.5 | 47.2 | -22.0 | Texas | 78.9 | 68.5 | -13.2 |
| lowa | 42.6 | 33.0 | -22.5 | Utah | 48.2 | 38.2 | -20.7 |
| Kansas | 55.4 | 43.0 | -22.4 | Vermont | 39.2 | 23.9 | -39.0 |
| Kentucky | 68.9 | 51.4 | -25.4 | Virginia | 53.5 | 39.4 | -26.4 |
| Louisiana. | 76.1 | 57.8 | -24.0 | Washington | 53.7 | 34.9 | -35.0 |
| Maine | 43.5 | 27.1 | -37.7 | West Virginia | 57.8 | 45.5 | -21.3 |
| Maryland | 54.3 | 38.2 | -29.7 | Wisconsin | 43.7 | 33.4 | -23.6 |
| Massachusetts | 37.8 | 25.0 | -33.9 | Wyoming | 54.2 | 38.6 | -28.8 |
| Michigan | 59.0 | 37.2 | -36.9 | , , | | | |
| Minnesota | 37.3 | 27.9 | -25.2 | Puerto Rico | 72.4 | 68.0 | -6.1 |
| Mississippi | 85.6 | 66.7 | -22.1 | Virgin Islands | 77.9 | 51.5 | -33.9 |
| Missouri | 64.5 | 46.1 | -28.5 | Guam. | 95.7 | 70.5 | -26.3 |
| Montana | 46.7 | 35.6 | -23.8 | American Samoa | | 38.9 | |
| | | | | Northern Marianas | | 56.8 | |

- - - Data not available.

¹Excludes data for the territories.

NOTES: Denominators for population-based rates are derived from the 1990 U.S. census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin.

births (tables 13 and 14). The 2001 sex ratio is comparable to past years (1,048 in 2000), and has changed very little over the past half century.

Similar to previous years, Asian or Pacific Islander (API) mothers, as a group, had the highest sex ratio (1,067). The sex ratios for individual API subgroups varied considerably, however, from a high of 1,092 for Chinese mothers to a comparatively low 1,000 (equal numbers of male and female births) for Hawaiian mothers. As in previous years, the sex ratio for all Hispanic mothers (1,038) was about midway between non-Hispanic white (1,051) and non-Hispanic black (1,032). Persistent differences in the sex ratio between groups may be due to environmental and/or maternal conditions (26–28).

Month of birth

The monthly average number of births in 2001 was 335,494. The actual number of births per month ranged from 303,534 (February) to 361,802 (August) (table 15). Historically, the number of births tends to peak during the summer months and is at its lowest during the winter. The observed birth rate, which takes into account the different number of days in the month, peaked in August and was at its lowest in December.

When compared with 2000, observed monthly birth rates in 2001 were lower for all but 2 months (January and April). The observed

monthly fertility rates were higher for 5 and lower for 7 months in 2001. When seasonal variation is filtered from the monthly birth and fertility rates, an estimate of the underlying trends is obtained. In 2001 adjusted birth rates declined for 9 months and adjusted fertility rates fell for 8 months ending 3 consecutive years where increases in the monthly fertility rate outnumbered decreases.

Day of the week of birth

The average number of births on any given day in 2001 was 11,030 (table 16). However, the number of births by day of the week varies considerably. In 2001 the average number of daily births ranged from a low of 7,637 on Sunday to a high of 12,496 on Tuesday.

Variation in the daily pattern of births can be measured with an index of occurrence. 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 2001 the index for Tuesday was 113.3, indicating that there were 13.3 percent more births on Tuesday than on the average day. As in previous years, infants were less likely to be born on weekends. The index was lowest for Sunday (69.2), followed by Saturday (79.1). The overall index of occurrence for

Saturday and Sunday has declined 19 and 11 percent, respectively since 1982, indicative of a growing weekend birth "deficit" over this period (data not shown).

A deficit in weekend births is apparent for both vaginal and cesarean deliveries, but is notably larger for cesarean deliveries, particularly repeat cesareans. The Sunday index for vaginal births in 2001 was 75.4, compared with 61.0 for primary cesareans, and 34.1 for repeat cesareans. The weekend birth deficit for all cesarean births has increased noticeably since 1989, when these data first became available. For example, the Sunday index for all cesarean births was 50.7 in 2001 compared with 60.7 in 1989 (data not shown).

Births to unmarried women

Births to unmarried women changed very little for 2001. The **birth rate for unmarried women** declined slightly in 2001, to 45.0 births per 1,000 unmarried women aged 15–44 years (**tables C**, **17**, **and 18**). The rate was 4 percent lower than the historic peak reached in 1994, 46.9. The **number of births to unmarried women** rose less than 1 percent to 1,349,249, the highest number ever, entirely the result of the 1-percent increase in the number of unmarried women (29,30). The number of nonmarital births increased 16 percent since 1990, a far slower pace than during the 1980s, when the total number rose 75 percent and annual increases amounted to about 6 percent. The **percent of all births that were to unmarried women** rose to 33.5 percent in 2001, compared with 33.2 percent in 2000 and 28.0 percent in 1990.

In 2001 all States except for Michigan and New York reported the mother's marital status through a direct question on the birth certificate or in the electronic birth registration process. Michigan and New York

Table C. Number, rate, and percent of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–2001

| | Births to | unmarried | women | Birth rate for |
|------|-----------|-------------------|----------------------|----------------------------|
| Year | Number | Rate ¹ | Percent ² | married women ³ |
| 2001 | 1,349,249 | 45.0 | 33.5 | 88.7 |
| 2000 | 1,347,043 | 45.2 | 33.2 | 89.3 |
| 1999 | 1,308,560 | 44.4 | 33.0 | 86.5 |
| 1998 | 1,293,567 | 44.3 | 32.8 | 85.7 |
| 1997 | 1,257,444 | 44.0 | 32.4 | 84.3 |
| 1996 | 1,260,306 | 44.8 | 32.4 | 83.7 |
| 1995 | 1,253,976 | 45.1 | 32.2 | 83.7 |
| 1994 | 1,289,592 | 46.9 | 32.6 | 83.8 |
| 1993 | 1,240,172 | 45.3 | 31.0 | 86.8 |
| 1992 | 1,224,876 | 45.2 | 30.1 | 89.0 |
| 1991 | 1,213,769 | 45.2 | 29.5 | 89.9 |
| 1990 | 1,165,384 | 43.8 | 28.0 | 93.2 |
| 1989 | 1,094,169 | 41.6 | 27.1 | 91.9 |
| 1988 | 1,005,299 | 38.5 | 25.7 | 90.8 |
| 1987 | 933,013 | 36.0 | 24.5 | 90.0 |
| 1986 | 878,477 | 34.2 | 23.4 | 90.7 |
| 1985 | 828,174 | 32.8 | 22.0 | 93.3 |
| 1980 | 665,747 | 29.4 | 18.4 | 97.0 |

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

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

NOTES: Denominators for population-based rates for 1991–2001 are derived from the 1990 U.S. census. As a result, rates for more current years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin.

infer the mother's marital status on the basis of other information on the birth certificate; see Technical Notes for details.

Birth rates for unmarried women vary considerably by race and Hispanic origin. The rate for Hispanic women was highest in 2001, 98.0 per 1,000, followed by the rate for black women, 70.1, and the rate for non-Hispanic white women, 27.7 (tables 17 and 18). The birth rate for non-Hispanic white women has changed very little since 1994 (28.5). The birth rate for black women in 2001 was a record low for the Nation, 27 percent below its historic peak three decades earlier (96.1 in 1971). (Data for black women are available since 1969 (3, 31).) The rate for Hispanic women had declined during 1994–98, and has since risen about 9 percent. The rate for unmarried Asian or Pacific Islander women is the lowest, 23.2 per 1,000 (data not shown).

Birth rates for unmarried women are consistently highest for women aged 20–24 years (73.8 per 1,000), followed by women aged 25–29 (63.7) and 18–19 years (60.1). Rates are successively lower for women in their early thirties, young teenagers, and women in age groups 35 and older (**tables 17 and 18**). Rates for black and Hispanic teenage women are fairly similar, but at ages 20 years and over, rates are considerably higher for Hispanic women.

Between 2000 and 2001, birth rates for unmarried women declined for women under age 25 years and increased for older women (**figure 4**). Since 1994, rates for unmarried teenagers have fallen 30 percent for ages 15–17 years and 14 percent for ages 18–19 years. The rate for black teenagers has fallen steadily since 1991, dropping 34 percent for ages 15–19, and by 43 percent for ages 15–17 years. From its 1994 peak to 2001, the rate for non-Hispanic white teenagers fell 19 percent. The 2001 rate for Hispanic teenagers was 13 percent lower than in 1994.

Birth rates for unmarried women in age groups 25–29 years and older all increased in 2001, by 2 to 4 percent for women aged 25–29

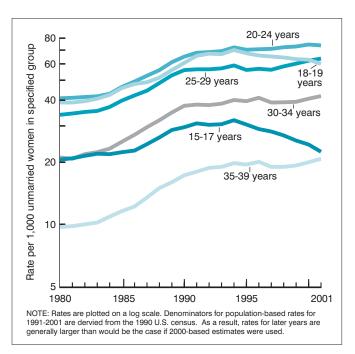


Figure 4. Birth rates for unmarried women, by age of mother: United States, 1980–2001

The proportions of all births that occurred to unmarried women changed little for population groups in 2001. The proportions were 22.5 percent for non-Hispanic white women, 68.6 percent for non-Hispanic black women, and 42.5 percent for Hispanic women (see tables 13, 14, 17, and 19 for 2001 data).

The modest increase in 2001 in the proportion of births to unmarried women reflects slight changes in births and birth rates for unmarried and married women. Births to unmarried women rose very slightly while the birth rate declined less than 1 percent; concurrently, births to married women and their birth rate each declined about 1 percent (table C). Overall, the percent of births to unmarried women has changed little since 1994, ranging from 32.2 to 33.5 percent.

The numbers and proportions of births to unmarried women by State by race and Hispanic origin for 2001 are shown in table 19. Numbers rose in 32 States and in the Virgin Islands and declined in 18 States and the District of Columbia, Puerto Rico, Guam, and American Samoa. The proportions increased in 40 States, Puerto Rico, the Virgin Islands, and Guam; declined in 6 States, the District of Columbia, and American Samoa; and were unchanged in 4 States.

Age of father

The **birth rate per 1,000 men aged 15–54 years** was 50.6 in 2001 (**table 20**), a decrease of 2 percent from 2000 (51.6). During the first half of the 1990s, the overall birth rate for men declined 11 percent, but since 1996, this rate has fluctuated little, hovering around 51. The relative stability in the overall birth rate belies variation in the age specific birth rates. In general, birth rates declined for men under 30 years of age, increased for men over 44 years of age. One of the more striking observations is the continued decline in the birth rate for teenage males, which fell another 7 percent between 2000 and 2001, to 18.7, continuing a 7-year downward trend from a peak of 25.0 in 1994. Birth rates for teenagers have been falling since the early 1990s (see section on Age of mother).

Information on age of father is often missing on birth certificates of children born to women less than 25 years of age and unmarried women as well (31). In 2001 the age of father was not reported for 13 percent of all births, 24 percent of births to women less than 25 years of age, and 38 percent of all nonmarital births. In computing birth rates by age of father, births where age of father is not stated were distributed in the same proportion as births where age of father is stated within each 5-year age interval of mother. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. The procedures for computing birth rates by age of father are described in more detail in the Technical Notes.

Educational attainment

Maternal education has long been considered an important factor in fertility and health. The educational attainment of women has been shown to have a profound effect on the number of births and the risk of adverse birth outcome. Women with higher educational attainment are more likely to desire and give birth to fewer children and to seek timely prenatal care, and are less likely to engage in behaviors detrimental to health and pregnancy.

In 2001, 78 percent of women who gave birth had 12 or more years of schooling (a high school education or equivalent), and 25 percent had 16 or more years of schooling (a college education or equivalent) (table 21). The educational attainment of women at birth (based on the completed years of education at birth) has increased substantially over the last few decades. The percentage of mothers with 12 or more years of schooling has risen 3 percent since 1990, and 13 percent since 1970; the percentage of mothers with 16 or more years of schooling has increased 44 percent since 1990 (17.5 percent), and nearly tripled since 1970 (8.6 percent). This trend reflects in part increases in educational attainment of all women during this time period (32,33).

The median educational attainment for all mothers in 2001 was 12.9 years, unchanged from the preceding year (data not shown), but up from 12.7 years in 1990, and 12.4 years of education in 1970. The increase in median educational attainment is more pronounced by age at first birth. Between 1990 and 2001, the median education of women aged 25–29, and 30–34 years rose by 1 year, from 14.2 to 15.2 years, and 15.3 to 16.3 years of education, respectively (data not shown). This pattern is consistent with the delayed childbearing observed for women with higher levels of educational attainment (34).

Differences in educational attainment are also evident by race and ethnicity. Among the Asian or Pacific Islander (API) subgroups, all were well above the national percent (78 percent) for at least a high school education in 2001, ranging from 85 percent for Hawaiian, to 98 percent for Japanese women (table 13). The percent of non-Hispanic white mothers having completed high school was 88, compared with 75 percent of non-Hispanic black; 69 percent of American Indian mothers were at this educational level (tables 13, 14, and 21). Overall 51 percent of Hispanic mothers had at least 12 years of schooling (table 14). Levels among the Hispanic subgroups ranged from 45 percent of Mexican mothers to 88 percent of Cuban mothers.

Differences by race and ethnicity were even more pronounced at higher educational levels. Among the API subgroups, 13 percent of Hawaiian mothers reported 16 or more years of education compared to 56 percent of Chinese mothers. The variation among the Hispanic subgroups was nearly as substantial; 31 percent of Cuban mothers reported at least a college education in 2001 compared with 5 percent of Mexican mothers (data not shown). The level of higher education for non-Hispanic black and American Indian women was 12 and 8 percent, respectively, whereas 33 percent of non-Hispanic white women giving birth in 2001 had at least 16 years of education.

Maternal Lifestyle and Health Characteristics

Weight gain

Maternal weight gain during pregnancy influences pregnancy outcome (35). Inadequate maternal weight gain has been associated with an increased risk of intrauterine growth retardation, shortened period of gestation, low birthweight, and perinatal mortality. High weight gain during pregnancy has been linked with an elevated risk of a large-for-gestational-age (LGA) infant, cesarean delivery, and long-term maternal weight retention (36–38). In 1990 the Institute of Medicine (IOM) published guidelines for weight gain during pregnancy for singleton gestations (39). Based on the mother's body mass index (BMI), the guidelines recommend that women who are underweight gain 28–40 pounds, those who are of normal weight gain 25–35 pounds, and those who are overweight gain 15–25 pounds. For extremely obese women, the IOM recommends a minimum weight gain of 15 pounds. However, it recommended that weight gain goals be tailored to individual needs (39). Studies suggest that weight gain within these guidelines is associated with the best outcomes; these studies also suggest, however, that a majority of maternal weight gain is outside of the recommended ranges (40,41).

BMI is calculated from a woman's prepregnancy weight and height, neither of which are available from the birth certificate, which only captures information on weight gained during pregnancy. Therefore, it is not possible from these data to determine whether the weight gain was within the recommendations for the mother's BMI. However, these data do allow us to estimate weight gain outside of the recommended ranges for women of any BMI.

Between 1989 (when data became available) and 2001, the percent of mothers who gained less than 16 pounds increased nearly 30 percent (from 9.4 to 12.1) and the percent who gained over 40 pounds rose by a similar amount (from 15.1 to 19.1) (tables 22, 24, 25). In short, in 2001, almost 1 in 3 women gained outside the IOM guidelines.

The rise in weight gains of over 40 pounds cannot be attributed to the sharp rise in the multiple birth rate (women with multifetal pregnancies tend to gain more weight than women with singleton pregnancies (39)); women with singleton gestation pregnancies have exhibited increases in excessive weight gain very comparable to trends for all women (from 14.6 to 18.5 percent between 1989 and 2001).

Weight gained during pregnancy differed widely by racial/ethnic groups. The percent of non-Hispanic black women with inadequate weight gains of under 16 pounds was 17.4 in 2001, two-thirds higher than the level for non-Hispanic white women (10.2). Among the Asian or Pacific Islander groups, Japanese women were most likely to gain under 16 pounds in 2001 (11.6 percent) and Chinese women were the least likely (6.9 percent). Wide differences in excessive weight gain of over 40 pounds were apparent among the API subgroups, ranging from a low of 8.5 percent for Japanese to a high of 27.4 percent for Hawaiian women. American Indian women had comparatively high rates of both inadequate and excessive weight gain (16.9 percent under 16 pounds; 19.6 percent over 40 pounds).

Among the Hispanic subgroups, Mexican mothers were twice as likely to gain less than 16 pounds as Cubans (16 compared with 8 percent). Conversely, excessive weight gain was much more common among Cuban (22.4 percent) than among Mexican mothers (13.4 percent).

Levels of both inadequate and excessive weight gain have increased since 1989 for almost all racial and Hispanic origin groups. Japanese women showed the most dramatic increase in inadequate weight gain; the proportion doubled between 1989 and 2001 (from 7.8 to 11.6 percent). Although a comparatively small proportion of Chinese women had excessive weight gain in 2001, the proportion has increased nearly 60 percent since 1989 (from 7.2 to 11.4).

Shortened gestational periods prevent optimal maternal weight gain; groups with the higher levels of inadequate weight gain also tend to have higher preterm rates (under 37 weeks gestation) (table 22). Non-Hispanic black and American Indian infants have high levels of inadequate weight gain as well as higher preterm rates compared with non-Hispanic whites. Weight gain discrepancies among these groups narrow as length of gestation increases.

Maternal weight gain also has been shown to have a positive correlation with infant birthweight (38,41). In 2001 as in previous years, the percent of low birthweight infants declined with increasing maternal weight gain through 36–40 pounds (from 13.7 to 5.3 percent) (table 23). A similar pattern generally can be observed for non-Hispanic white, non-Hispanic black, and Hispanic infants for each gestational age.

Medical risk factors

Medical risk factors during pregnancy can contribute to serious complications and maternal and infant morbidity and mortality, particularly if not treated properly (42–44). Sixteen medical risk factors that can affect pregnancy outcome are separately identified on the birth certificate (table 26). Medical risk factor data were missing from only 0.9 percent of records for 2001, a considerable improvement over previous years. However, birth certificate data may underreport or incorrectly report medical risk factor prevalence due to a lack of adherence to uniform definitions and difficulty in interpreting data from medical records (45). Rates for rarely occurring medical risk factors and for smaller population groups can vary from year to year and should be used with caution.

In 2001 the most frequently reported medical risk factors were pregnancy-associated hypertension (37.7 per 1,000 live births), diabetes (31.1) and anemia (25.0) (table 26). These have been the most frequently reported risk factors since these data have been available from birth certificates. Pregnancy-associated hypertension declined slightly in 2001 (from 38.8 in 2000) for the first time in a decade after having risen steadily since 1990 (from 27.2). Rates for diabetes and anemia have also risen about 40 percent over this time period. Pregnancy-associated hypertension, chronic hypertension, and eclampsia are all closely related hypertensive disorders, but the latter two are rarer conditions. The rate for chronic hypertension has increased since 1990 (6.5 in 1990; 8.1 in 2001), whereas the eclampsia rate has declined (4.0 in 1990; 3.2 in 2001).

The reported rate of hydramnios/oligohydramnios (the excess or shortage of amniotic fluid) has consistently increased during the 1990s, more than doubling between 1990 and 2001 (from 5.9 to 13.7). These conditions have been associated with maternal diabetes (35, 46). Acute or chronic lung disease (e.g., asthma, tuberculosis) also has risen dramatically. Although reported for only 1 percent of all women overall, the rate of lung disease has more than tripled between 1990 and 2001 (from 3.0 to 12.1 per 1,000) and has increased for all age groups, most notably for younger women. In the early 1990s, this condition was slightly more prevalent in older women. However, since 1992, the higher risk has shifted strongly toward younger women.

The incidence of medical risk factors during pregnancy can vary greatly by maternal race and ethnicity (**tables 27 and 28**). For 2001, American Indian women had the highest rates of three of the most prevalent maternal medical risk factors: pregnancy-associated hypertension, diabetes, and anemia (5 percent each). Chinese women had a similarly high level of diabetes (5 percent), but have low levels of pregnancy-associated hypertension and anemia. Differences are also found among the Hispanic subgroups. For instance, diabetes levels ranged from 2 percent for Cuban, to 4 percent for Puerto Rican mothers.

The risk of having a medical condition during pregnancy often differs by maternal age (table 26). For example, teenage mothers are nearly twice as likely to have anemia during pregnancy compared with women aged 40 and over (36.0 compared with 19.8 per 1,000). Older mothers, conversely, are more prone to chronic conditions such as diabetes (71.7 for mothers 40 years and over compared with 9.2 for mothers under 20); chronic hypertension (25.0 compared with 2.9); and cardiac disease (9.5 compared with 2.7). Some risk factors, however, such as pregnancy-associated hypertension, follow a U-shaped pattern, with the highest levels at the extremes of the maternal age distribution.

Tobacco use during pregnancy

Smoking during pregnancy declined in 2001 to 12.0 percent of women giving birth, down 38 percent from 1989 (19.5 percent) when this information first became available from the birth certificate (47, 48). Among smokers, 27 percent smoked half a pack (11 cigarettes) or more per day in 2001, down from 41 percent in 1989. Information on tobacco use was reported on the birth certificates of all States except for California in 2001. The reporting area of 49 States and the District of Columbia accounted for 87 percent of U.S. births in 2001. The number of States reporting tobacco use increased during the 1990s; information on the impact of these changes on the trends in prenatal smoking is provided in a recent report (48).

Maternal smoking is believed to be somewhat underreported on the birth certificate due to several factors, including the lack of a specific time reference for smoking status, variations in the source of the information for each birth, and the considerable stigma associated with tobacco use which may be intensified in cases of poor birth outcome (48–52). Nonetheless, the trends identified from birth certificate data are generally consistent with trends from several nationally representative surveys. In addition, data from other studies have confirmed the variations in smoking among population subgroups based on birth certificate data (14,53,54).

Tobacco use during pregnancy is one of the key preventable causes of a number of adverse pregnancy outcomes, including low birthweight, intrauterine growth retardation, miscarriage, and infant mortality, as well as negative consequences for child health and development (55,56). The costs associated with these adverse outcomes are substantial (57).

Smoking rates were highest for older teenagers, 18–19 years (19.0 percent), followed by women aged 20–24 years (17.0 percent); rates are lowest for the youngest teenagers and women in their thirties (tables 24, 25, and 29–32). Smoking rates declined in 2001 for teenagers and for women in age group 25–54 years. As in 2000, there was a small increase in 2001 for women aged 20–24 years.

Rates of smoking during pregnancy declined modestly in most racial and Hispanic origin groups. Substantial variations persist in smoking rates, with the highest rates reported for American Indian, non-Hispanic white, and Hawaiian women, and the lowest rates, for Chinese, Japanese, Mexican, Filipino, and Central and South American women (tables 24 and 25). Women born in the 50 States and the District of Columbia have substantially higher smoking rates than women born outside these areas, a pattern that has been noted elsewhere (58). Disparities in smoking rates are particularly large for teenage population subgroups. For example, among young teenagers 15–17 years, the proportion smoking ranged from 2 to 3 percent of Mexican and Central and South American teenagers to 29 percent of non-Hispanic white teenagers (**figure 5**). Details of smoking patterns and trends by age, race, and Hispanic origin, and by State are described in a recent report (48).

The likelihood that a woman will smoke during pregnancy is strongly associated with her educational attainment, with smoking rates for women who have attended but not completed high school about 12 times the rates of college educated women (table 31). Among women aged 20 years and older, overall, 28 percent with 9–11 years of education smoked during pregnancy, and 48 percent of non-Hispanic white women in this category were smokers (tabular data not shown).

Birth certificate data as well as data from other studies have consistently confirmed the negative impact of smoking on infant birthweight (55,56). In 2001 the rate of low birthweight among babies born to smokers was nearly two-thirds higher than that for nonsmokers, 11.9 percent compared with 7.3 percent, essentially unchanged from 2000. In general, the gap tends to widen with advancing maternal age, probably a consequence of the greater cigarette consumption of older compared with younger women (table 29). There is no "safe" level of smoking, even among births to the lightest smokers, that is one to five cigarettes daily, who account for nearly one-third of all smokers. The percent low birthweight for births to the lightest smokers was 11.3 percent in 2001, 55 percent higher than for nonsmokers (tabular data not shown).

Alcohol use during pregnancy

Alcohol use during pregnancy can severely jeopardize birth outcome, independent of other risk factors including tobacco use and other maternal risk factors (59,60). Questions on alcohol use were on the birth certificates of the District of Columbia and all States except California in 2001, accounting for 87 percent of U.S. births.

Maternal alcohol use continues to be substantially underreported on birth certificates compared with information collected in nationally representative surveys of pregnant women. In 2001 as in 2000, fewer

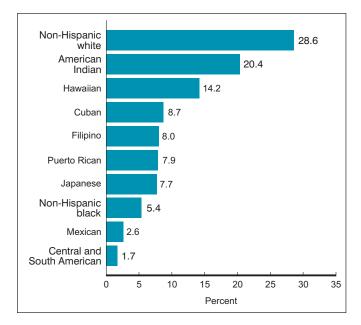


Figure 5. Percent of mothers 15–17 years who smoked during pregnancy by race and ethnicity, 2001

than 1 percent of women reported alcohol use during pregnancy—0.9 percent compared with 4.1 percent in 1989, the first year for which these data were reported on birth certificates (**data for 2001 shown in tables 24 and 25**). The most recent study of alcohol use during pregnancy from the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveillance System (BRFSS) found a drinking rate of 12.8 percent in 1999 compared with 1.0 percent reported from birth certificate data for 1999 (61, 62). The BRFSS data suggested an overall decline in alcohol use during the late 1990s, but no change in rates of binge drinking (61).

While alcohol use, especially heavy use, is clearly a major risk factor for poor pregnancy outcome, it appears that the current birth certificate question on alcohol use is not sensitive enough to measure this behavior accurately. The current question has no time reference (alcohol use at any time during pregnancy) nor does it encourage the reporting of very light alcohol use (the question refers to the number of drinks per week). In addition, the stigma of maternal alcohol use likely contributes to the underreporting (61).

Medical Services Utilization

Prenatal care

The proportion of women who began prenatal care in the first trimester of pregnancy rose slightly for 2001 to 83.4 percent, compared with 83.2 percent for 2000. Timely initiation of prenatal care showed little improvement during the 1980s, but has risen fairly steadily since 1990 (from 75.8 percent). (See table D and tables 33–35.) The percent of women who began care in the third trimester of pregnancy or received no care at all, declined from 3.9 to 3.7 percent between 2000 and 2001, and has dropped from 6.1 percent in 1990. (The percent of women with no care at all was 1.1 for 2001, nearly half the level reported for 1990 (2.0 percent).) See

Table D. First trimester prenatal care by race and Hispanic origin of mother: United States, 1980, 1985, and 1990–2001

| | A.II | Non-H | spanic | American | Asian or | |
|------|---------------------------|-------|--------|---------------------------------|----------------------------------|-----------------------|
| Year | All races ¹ | White | Black | American Indian ² | Pacific Islander ² | Hispanic ³ |
| 2001 | 83.4 | 88.5 | 74.5 | 69.3 | 84.0 | 75.7 |
| 2000 | 83.2 | 88.5 | 74.3 | 69.3 | 84.0 | 74.4 |
| 1999 | 83.2 | 88.4 | 74.1 | 69.5 | 83.7 | 74.4 |
| 1998 | 82.8 | 87.9 | 73.3 | 68.8 | 83.1 | 74.3 |
| 1997 | 82.5 | 87.9 | 72.3 | 68.1 | 82.1 | 73.7 |
| 1996 | 81.9 | 87.4 | 71.5 | 67.7 | 81.2 | 72.2 |
| 1995 | 81.3 | 87.1 | 70.4 | 66.7 | 79.9 | 70.8 |
| 1994 | 80.2 | 86.5 | 68.3 | 65.2 | 79.7 | 68.9 |
| 1993 | 78.9 | 85.6 | 66.1 | 63.4 | 77.6 | 66.6 |
| 1992 | 77.7 | 84.9 | 64.0 | 62.1 | 76.6 | 64.2 |
| 1991 | 76.2 | 83.7 | 61.9 | 59.9 | 75.3 | 61.0 |
| 1990 | 75.8 | 83.3 | 60.7 | 57.9 | 75.1 | 60.2 |
| 1989 | 75.5 | 82.7 | 59.9 | 57.9 | 74.8 | 59.5 |
| 1985 | 76.2 | | | 57.5 | 74.1 | |
| 1980 | 76.3 | | | 55.8 | 73.7 | |

--- Data not available.

¹Includes races other than white and black and origin not stated. ²Includes persons of Hispanic and non-Hispanic origin.

³Includes all persons of Hispanic origin of any race.

figure 1. Recent studies suggest that the expansion of Medicaid for pregnant women in the late 1980s has contributed to the increase in prenatal care utilization observed for the 1990s (63). Although the effectiveness of prenatal care continues to be debated (64), appropriate prenatal care can enhance pregnancy outcome and long-term maternal health by managing preexisting and pregnancy-related medical conditions, providing health behavior advice, and assessing the risk of poor pregnancy outcome (65,66).

For the current year, first trimester care was unchanged among non-Hispanic white women at 88.5 percent, but continued to improve among non-Hispanic black (from 74.3 to 74.5 percent) and Hispanic mothers (74.4 to 75.7 percent). Large differences in timely initiation of prenatal care persist by race and Hispanic origin, but quite substantial gains have been observed for all groups in recent years. Improvement has been especially marked among groups which historically have tended to utilize care less. Since 1990 the percent of non-Hispanic black mothers with first trimester care has risen 23 percent (from 60.7 in 1990) and the proportion of black mothers who received no care at all dropped from 4.7 to 2.3 percent. Strong gains in prenatal care utilization have also been evident among Hispanic women. The proportion of Hispanic women with timely care rose 26 percent between 1990 and 2001 (from 60.2 percent in 1990) and no care fell from 4.0 to 1.6 percent.

The percent of American Indian women beginning care in the first 3 months of pregnancy was unchanged for 2001 at 69.3. Although this level has risen notably since 1990 (from 57.9 percent), American Indian women continue to be least likely of all racial/ethnic groups to receive first trimester prenatal care.

Among Asian or Pacific Islander (API) women, 90.1 percent of Japanese women initiated care in the first trimester of pregnancy compared with 79.1 percent of Hawaiian women. Although low in comparison with levels of most other API groups, the current level for Hawaiian women represents a 20 percent gain from that reported for 1990.

Mexican, Puerto Rican, and Central and South American mothers were about 25 percent more likely to receive timely prenatal care in 2001 compared with 1990. Large differences among the Hispanic subgroups are still evident however; in 2001, 91.8 percent of Cuban mothers received early care compared with 74.6 percent of Mexican mothers. See tables 24 and 25 for 2001 data.

Wide variation in prenatal care initiation can also be seen across the United States. The New England States (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont) and Iowa reported the highest proportions of mothers with first trimester prenatal care for 2001. At least 88 percent of women residing in these States began care in the first trimester of pregnancy (table 34). In contrast, 69 percent of New Mexico resident mothers accessed care early.

The Adequacy of Prenatal Care Utilization Index (APNCU) was developed to adjust for some of the weaknesses of the two previously used measures; trimester care began and the Kessner Index (an index used widely in the 1990s) (67). The APNCU takes into account the month that prenatal care began, the number of prenatal visits, and adjusts for gestational age (68) (table E). The APNCU includes categories for intensive, adequate, intermediate, and inadequate levels of prenatal care utilization. The "intensive" utilization category (the proportion of women for whom the number of prenatal care visits exceeds the American College of Obstetricians and Gynecologists' recommendations by a ratio of observed to expected visits of at least

| | Intensive use | Adequate | Intermediate | Inadequate |
|------|---------------|----------|--------------|------------|
| 2001 | 31.8 | 42.7 | 14.0 | 11.6 |
| 2000 | 31.2 | 43.0 | 14.0 | 11.9 |
| 1999 | 31.6 | 43.1 | 13.6 | 11.7 |
| 1998 | 31.0 | 43.3 | 13.8 | 11.9 |
| 1997 | 30.7 | 43.3 | 14.0 | 12.0 |
| 1996 | 29.3 | 43.6 | 14.7 | 12.4 |
| 1995 | 28.8 | 43.7 | 14.7 | 12.8 |
| 1990 | 24.6 | 42.3 | 15.7 | 17.4 |

NOTE: See reference 67 for information on calculation of this measure.

110 percent) rose from 31.2 to 31. 8 percent from 2000 to 2001; intensive utilization of care had risen substantially since the early 1980s (67). The percent of women with inadequate care was down slightly between 2000 and 2001 (from 11.9 to 11.6 percent). The APNCU shows a one-third decline in inadequate care since 1990.

Obstetric procedures

Six specific obstetric procedures are listed on the birth certificate. Of these, electronic fetal monitoring (EFM) was the most frequently reported in 2001, as in earlier years. Although the benefits and risks of routine use of EFM remain controversial (69) the rate has continually climbed since 1989, from 68.4 to 84.8 percent for 2001 (almost 3.4 million live births) (table 36). More than 67 percent of women who had live births in 2001 received ultrasound. The use of this procedure also has increased steadily since 1989 (47.7 percent). The use of EFM, ultrasound, and other obstetric procedures may be underreported on the birth certificate (70,71).

The rate of induction of labor continued to rise between 2000 and 2001 (from 19.9 to 20.5). The rate for 2001 was more than double the 1989 level of 9.0 percent. Between 1989 (the first year these data were reported on the birth certificate) and 2000, the rate of induction rose every year for all gestational ages, including preterm deliveries (less than 37 completed weeks of gestation). However, for 2001, the induction rate rose only for gestational ages of 37 weeks or more. (figure 6). This increase was seen for each major racial and ethnic group (data not shown).

Recent articles on the indications for induction suggest that the growth in the induction rate may be due, in part, to an increase in elective inductions (inductions with no medical or obstetric indication) (72,73). Since spontaneous labor (labor that occurs naturally) is associated with fewer complications than induced labor, elective induction is discouraged (35).

The rate of stimulation of labor was 17.5 percent; this rate has fluctuated only slightly since 1997. However, the 2001 rate is almost two-thirds higher than the 1989 level of 10.9 percent.

The overall rate for tocolysis, the use of agents that decrease uterine activity for the management of preterm labor, was 2.1 percent in 2001. The rate of tocolysis has been fairly stable since 1996. Assessment of the safety and efficacy of tocolytic agents is discussed in a recent report (74).

In 2001 the overall rate for amniocentesis decreased to 2.2 percent of births in 2001 from 2.4 percent in 2000, and has declined since 1989 (3.2 percent). This change may reflect the use of screening tests that are noninvasive (e.g., ultrasound and measurement of serum markers) in lieu of amniocentesis.

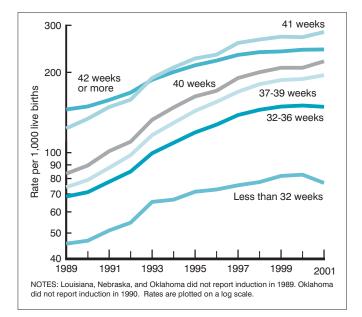


Figure 6. Rates of induction of labor by length of gestation in weeks: United States, 1989–2001

Complications of labor and/or delivery

Depending on the severity of the condition, certain complications of labor and delivery reported on the birth certificate may require medical interventions and may affect the health outcome of the infant. Many of the reported conditions are more common among low birthweight and/or preterm infants. Of the 15 complications of labor and/or delivery reported on the birth certificate, the 5 most frequently reported for 2001 were meconium moderate/heavy (51.5 per 1,000 live births), fetal distress (38.7), breech/malpresentation (38.3), dysfunctional labor (28.1), and premature rupture of membrane (PROM) (23.8) (table 37). Cord and placental complications are infrequent but are among the top 10 leading causes of infant death (75). Abruptio placenta occurred in almost 22,000 births (5.4 per 1,000); placenta previa occurred in more than 13,000 births (3.3 per 1,000); cord prolapse occurred in over 7,000 births (1.8 per 1,000).

Multiple complications of labor and delivery may be reported for a mother and different complications may be related. For example, causes of fetal distress include placenta abruptio and cord prolapse; cord prolapse is also associated with breech/malpresentation (46). Data on complications of pregnancy were missing from less than 1 percent of records for 2001, but birth certificate data may underreport prevalence of complications. (70,76–78).

Complication rates vary among racial/ethnic groups (tables 27 and 28). For example, rates were very divergent for meconium (69.6 per 1,000 for non-Hispanic black compared with 44.6 for non-Hispanic white). Conversely, non-Hispanic white women had substantially higher rates of cephalopelvic disproportion and breech/malpresentation (leading risk factors for cesarean delivery) compared with non-Hispanic black women. A wide range of values was also apparent among Asian or Pacific Islander (API) subgroups. Rates for meconium ranged from 48.1 per 1,000 for Japanese to 66.2 for Hawaiian.

Differences in rates also were evident among Hispanic subgroups. In 2001, rates for meconium ranged from a low of 36.3 for Cuban mothers to a high of 64.1 percent for Central and South American mothers.

Complication rates also can vary by age with risk steadily increasing with age for some conditions (table 37). For example, in 2001, only 1 in 1,000 teenage mothers had placenta previa compared to 9 in 1,000 for mothers 40 and older. In contrast, fetal distress exhibits a U-shaped distribution of risk with the highest rates for women under 20 and over 34 years of age.

Attendant at birth and place of delivery

In 2001 the trends in attendant at birth and place of delivery observed for recent years continued. The percent of all births delivered by **physicians in hospitals** continued to decline slowly but steadily, to 91.3 percent of all births (table 38) compared with 98.7 percent in 1975. Most physician-attended births were attended by doctors of medicine (MDs). However, the percent of all births attended by doctors of osteopathy (DOs) grew gradually to 4.3 percent by 2001, from 2.8 percent in 1989, the first year data on DOs were available from the birth certificate.

The percent of births **attended by midwives** has increased steadily since 1975, climbing from less than 1.0 percent (79) to 8.0 percent in 2001. Midwifery education and hence practice have grown over the past decade (80). A recent report found that nearly all of the increase in midwife-attended births was for those in hospitals (81). Almost 95 percent of all midwife-attended births in 2001 were by certified nurse midwives (CNMs). This level has been fairly stable since 1996. Due to misclassification of midwife-attended deliveries, these data should be considered lower estimates of the actual number of midwife-attended births (4,79).

Ninety-nine percent of births in 2001 were delivered in hospitals, essentially unchanged for the last several decades. The majority of out-of-hospital births were in a residence (65 percent); 28 percent were in a freestanding birthing center. These levels have been fairly stable since 1989. Controversy persists regarding the safety of planned home births (82).

About 92 percent of births to non-Hispanic white women and non-Hispanic black women were attended by a physician in a hospital compared with 90 percent of births to Hispanic women. In 2001 as in previous years, Hispanic women were more likely to have a midwifeattended hospital birth (9.3 percent) than were either non-Hispanic white or black women (6.8 and 7.3 percent, respectively).

Method of delivery

In 2001 nearly one in four live births were delivered by cesarean section. The **rate of cesarean delivery** climbed to 24.4 percent of all births, a 7 percent rise from 2000 (22.9 percent). This rate fell each year between 1989 and 1996, but has risen each year since 1996, by a total of 18 percent, and is now the highest reported since these data first became available from birth certificates (1989) (**table 39** and 40). This rise in the total rate is due to both the growth in the primary cesarean rate and a steep decrease in the rate of vaginal birth after cesarean delivery (VBAC) (**figure 7**).

The **primary cesarean rate** in 2001 (16.9 per 100 live births to women who had no previous cesarean) was 5 percent higher than in 2000 (16.1), and 16 percent higher than the low reported for 1996–97 (14.6). A comparable rise is observed for low-risk women (i.e., women with full-term, singleton deliveries, with vertex presentations) (data not shown) (83). The increase in primary cesarean deliveries may be

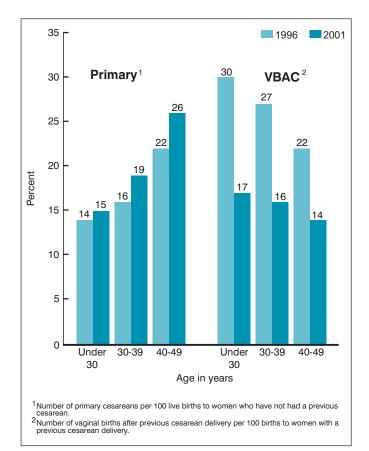


Figure 7. Primary cesarean rates and vaginal birth after cesarean (VBAC) rates by age of mother: United States, 1996 and 2001

related to nonmedical factors such as demographics, physician practice patterns, and maternal choice (84–86).

The rate of vaginal birth after previous cesarean delivery (VBAC) fell 20 percent between 2000 and 2001—from 20.6 per 100 women with a previous cesarean to 16.4. The VBAC rate declined precipitously between 1996 and 2001, by 42 percent, after increasing by 50 percent between 1989 and 1996 (from 18.9 to 28.3). The VBAC rate for low-risk women has fallen at a similar pace (data not shown). The sharp decline in VBAC deliveries may be related to recent reports on the risks associated with VBAC, more conservative practice guidelines, legal pressures (84,87–89), and the continuing controversy regarding the risks and benefits of vaginal birth versus cesarean section, especially with regard to VBAC (84–86).

The primary rate increased and the VBAC rate decreased for all age, racial and ethnic groups (including subgroups). As in previous years, overall cesarean rates rose steadily as maternal age increased; the rate for mothers 40–54 years of age (38.0) was more than twice that of mothers under age 20 (16.8) (table 40). The elevated risk of cesarean delivery in older women may be related to biologic factors, patient/practitioner concerns (90) and the increased rate of multiple births.

The primary cesarean rate rose 5 to 6 percent for non-Hispanic white, non-Hispanic black and Hispanic women between 2000 and 2001. The primary rate for non-Hispanic black women (18.3) continued to be higher than the rate for non-Hispanic white women (17.2) and

Hispanic women (15.2). The VBAC rate declined about 20 percent for each group. In 2001 the VBAC rate was similar for non-Hispanic white women (16.8) and non-Hispanic black women (16.7), and lower for Hispanic women (14.7). A detailed discussion of trends in cesarean and VBAC rates by race and Hispanic origin in the 1990s may be found in a recent report (91).

The overall cesarean rate for American Indian women in 2001 (21.6 percent) was lower than that for non-Hispanic white (24.5) and black mothers (25.9) (tables 24 and 25). Among the Hispanic subgroups, the rate of cesarean delivery ranged between 22.9 and 25.3, except for Cuban mothers whose rate was considerably greater (34.6), possibly due in part to their older age at childbearing. All API subgroups, except Filipino mothers (26.6), had lower rates of cesarean delivery than either non-Hispanic white or black mothers. Among the API subgroups, Japanese mothers had the lowest rate (20.1), despite having the highest percent of mothers 35 years of age and over.

From 2000 to 2001, overall cesarean rates increased for all 50 States and the District of Columbia. For 2001 as for earlier years, variation in cesarean rates by State was considerable, ranging from 17.2 percent for Utah, to 29.9 percent for Louisiana (table 41). The rate for Puerto Rico was 42.0.

Between 2000 and 2001, VBAC rates decreased in 49 States and the District of Columbia. For 2001, rates ranged from 8.2 in Louisiana, to 40.0 per 100 in Vermont.

Cesarean rates were higher than the national rate for most of the selected medical risk factors, and complications of labor and/or delivery in **table 42**. For example, more than half of mothers with eclampsia and almost all mothers with cephalopelvic disproportion (96.5 percent) had a cesarean section.

As might be anticipated, coinciding with the rise in the cesarean delivery rate, the percent of births delivered by either forceps or vacuum extraction decreased between 2000 and 2001, from 7.0 to 6.3 percent (data not shown). The 2001 rate is 34 percent lower than the high of 9.5 percent in 1994 (81).

Infant Health Characteristics

Period of gestation

The **preterm birth rate** rose to 11.9 percent for 2001, the highest level reported in at least 2 decades. The percent of births born preterm (at less than 37 completed weeks of gestation) has risen 12 percent since 1990 (from 10.6 percent), and 27 percent since 1981 (from 9.4 percent). The **very preterm birth rate** (less than 32 completed weeks of gestation) was 1.95 percent for 2001, compared with 1.93 percent for 2000. In contrast to the pronounced upward trend in preterm births overall, the proportion of very preterm infants is essentially unchanged from 1990 (1.92 percent), and only moderately higher than the 1981 level (1.81 percent). **(See tables F, 24, 25, 43, 44, and figure 8.)**

Although much progress has been made in recent years in lowering mortality among infants born too early, preterm newborns, especially those born at the shorter gestational ages, are at heightened risk of long-term disability and death. For 2000, 18 percent of very preterm infants died within the first year of life, compared with 1 percent of moderately preterm infants (32–36 weeks), and 0.03 percent of infants delivered at term (37–41 weeks) (75). Further, preterm newborns who

Table F. Rate of preterm birth among singletons by raceand Hispanic origin of mother, United States: 1990,1995, 2000, and 2001

| | 2001 | 2000 | 1995 | 1990 ¹ |
|--|------------------------|------------------------|------------------------|------------------------|
| Total, all races, origins ² | | Per | cent | |
| Less than 32 weeks | 1.57 8.81 10.38 | 1.58 8.54 10.12 | 1.61 8.21 9.82 | 1.69 8.01 9.70 |
| Non-Hispanic white | | | | |
| Less than 32 weeks | 1.15 7.83 8.98 | 1.14 7.55 8.69 | 1.13 6.99 8.12 | 1.11 6.43 7.54 |
| Non-Hispanic black | | | | |
| Less than 32 weeks | 3.52 12.49 16.01 | 3.58 12.29 15.87 | 3.83 12.70 16.53 | 4.22 13.63 17.85 |
| Hispanic ³ | | | | |
| Less than 32 weeks | 1.45 9.04 10.49 | 1.48 8.82 10.30 | 1.48 8.64 10.12 | 1.52 8.77 10.29 |

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

²Includes births to races not shown.

³Includes persons of Hispanic origin of any race.

do survive are more likely to be neurologically impaired than their term counterparts (92). Experts caution that meaningful reduction in preterm rates is unlikely until the causes of preterm delivery are better understood and effective prevention methods developed (92,93).

The upward trend in preterm births over the past 20 years, particularly for non-Hispanic whites, has been influenced in part by the rise in the multiple birth rate (preterm rates are much higher among multiple births than among singletons), and by the increase in preterm multiple deliveries (94). Between 1990 and 2001, the singleton very preterm birth rate declined from 1.69 to 1.57 percent (compared with an essentially stable very preterm rate for all births), and the rate of moderately preterm births (32–36 weeks) rose 10 percent for singletons (compared with a 15 percent increase for all pluralities). **See table F for singleton trend.**

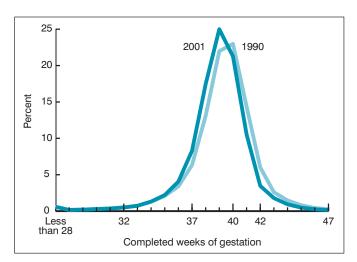


Figure 8. Percent of distribution of singleton births by gestational age: United States, 1990 and 2001

Preterm births were up quite sharply from 2000 to 2001 among non-Hispanic white mothers, from 10.4 to 10.8 percent. Since 1990 the non-Hispanic white preterm rate has climbed by more than 25 percent (from 8.5 percent). The very preterm rate has also risen, though to a lesser extent, from 1.33 to 1.55 percent over this period. A marked rise in preterm *singleton* non-Hispanic white births was also observed between 1990 and 2001 (from 7.5 to 9.0 percent), but this increase was largely limited to moderately preterm births (**see table F**).

The percent of black infants born preterm was up slightly for 2000–2001, from 17.3 to 17.5 percent. The preterm birth rate for black mothers is down from a peak of 18.9 percent in 1991, but is still slightly higher than levels reported for the early 1980s. The very preterm rate for black infants for 2001, 4.02 percent, is the lowest reported since 1981, the earliest year for which comparable data are available. Despite this progress, black mothers of all ages continue to be much more likely than mothers of other racial/ethnic groups to deliver before 32 weeks of gestation (data not shown).

Among Hispanic births, the preterm rate returned to the level reported for 1998–99, 11.4 percent. The proportion of preterm births to Hispanic mothers has been fairly stable since national data became available for this group in 1989. Among the Hispanic subgroups, preterm birth rates ranged from 10.6 percent for Cuban births to 13.7 percent for Puerto Rican births for 2001. (See table 25 for 2001 data.)

The 2001 preterm incidence for American Indians was 13.2 percent, compared with 12.7 percent for 2000. In 2001 as in previous years, Chinese and Japanese women were the least likely of any of the racial/Hispanic origin groups to deliver at less than 37 weeks of gestation (7.7 and 8.8 percent, respectively) (table 24).

For the current year, 6.9 percent of births were delivered postterm, or at 42 or more weeks of gestation. This represents more than a one-third decline from the level reported for 1990 (11.3 percent).

As would be expected, given the increase in preterm and decrease in post-term deliveries between 1990 and 2001, a marked shift in the gestational age distribution for all births (not shown), and for singletons can be observed for this period (table F). The average or mean singleton gestational age also has shortened somewhat (from 39.2 to 38.8 weeks). Numerous factors, including the wider use of medical procedures to induce labor, may be contributing to these changes (72,95).

Birthweight

The **low birthweight rate (LBW)** was 7.7 percent for 2001, up slightly from 7.6 percent for 2000 to the highest level recorded since the early 1970s. The proportion of LBW infants (weight at delivery of less than 2,500 grams or 5 and a half pounds) has climbed 13 percent since the mid 1980s (from 6.8 percent). (See tables 43–47 and figure 9.) The percent of very low birthweight (VLBW) infants (less than 1,500 grams or 3 and one fourth pounds) was 1.44 for 2001. This measure has been fairly stable since 1997, but has risen from 1.27 percent in 1990, and 1.16 percent in 1981. Although the risk of early death for infants born LBW has attenuated somewhat in recent years, the mortality rate for LBW infants (75), and LBW infants who survive, especially VLBW infants, are more likely to suffer long-term disabilities (96).

Although LBW has been on the rise for the Nation as a whole over the last decade, quite different trends are observed by race and

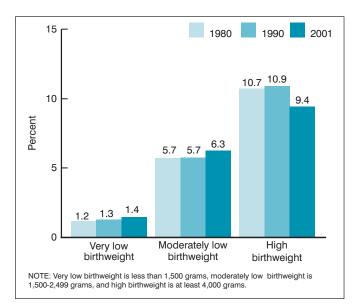


Figure 9. Percent very low, moderately low, and high birthweight births: United States, 1980, 1990, and 2001

Hispanic origin. Whereas a distinctly upward trend is evident for non-Hispanic white births, only a very modest rise is reported in Hispanic LBW, and among black infants, a slight decline in LBW is apparent.

The LBW rate among non-Hispanic white births rose from 6.6 to 6.8 percent between 2000 and 2001, and has climbed more than 20 percent since 1990 (from 5.6 percent). Some of this increase can be attributed to the steep rise in the rate of multiple births among this group (infants born in multiple deliveries are about 10 times as likely to be LBW as are singletons), and to a lesser extent, by an increase in LBW among multiples themselves (see the section on multiple births) (94,97).

The LBW rate for non-Hispanic white *singletons* was 4.96 percent for 2001, a small increase from 2000 (4.88 percent) (**table G**). Since 1990 singleton non-Hispanic white LBW has risen, but at a slower pace than LBW among all pluralities, from 4.56 percent, or by 9 percent. Most of this increase was among moderately low birthweight infants, that is, infants born at 1,500–2,499 grams (from 3.83 to 4.15 percent); VLBW among non-Hispanic white births changed only from 0.73 to 0.81 percent between 1990 and the current year. A recent study found that singletons conceived with assisted-reproductive technology, procedures which account for an increasing number of births (98–101), are at greater risk of LBW than those conceived spontaneously (102).

The 2001 LBW rate for births to non-Hispanic black mothers was 13.1 percent, unchanged from 2000. In contrast to trends for non-Hispanic white infants, LBW among non-Hispanic black infants has improved modestly from levels reported for the early 1990s (13.6 percent in 1991), and has been essentially stable since 1995. The percent of VLBW non-Hispanic black infants was 3.08 in 2001, about the same as that in 2000 (3.10 percent), but up somewhat from the level reported for 1990 (2.93 percent). When only singleton births are examined, the LBW rate among non-Hispanic black births has declined from 11.9 to 11.2 percent between 1990 and 2001, and the VLBW rate has been stable (2.57 percent in 2001) (table G). Despite the more positive trends, singleton infants born to black mothers continue to be more than twice as likely as non-Hispanic white or Hispanic infants to weigh less than 2,500 grams at birth.

Table G. Rate of very low birthweight and low birthweight, and mean birthweight among singletons by race and Hispanic origin of mother, United States: 1990, 1995, 2000, and 2001

| | 2001 | 2000 | 1995 | 1990 ¹ |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Total, all races, origins ² | | | | |
| Percent very low birthweight Percent low birthweight Mean/Standard deviation ³ | 1.10 6.04 3,339(573) | 1.11 6.00 3,348(577) | 1.08 6.05 3,353(581) | 1.05 5.90 3,365(583) |
| Non-Hispanic white | | | | |
| Percent very low birthweight Percent low birthweight Mean/Standard deviation ³ | 0.81 4.96 3,399(557) | 0.80 4.88 3,410(560) | 0.78 4.87 3,416(563) | 0.73 4.56 3,433(562) |
| Non-Hispanic black | | | | |
| Percent very low birthweight Percent low birthweight Mean/Standard deviation ³ | 2.57 11.19 3,135(632) | 2.62 11.28 3,141(637) | 2.55 11.66 3,132(635) | 2.54 11.92 3,128(635) |
| Hispanic ⁴ | | | | |
| Percent very low birthweight Percent low birthweight Mean/Standard deviation ³ | 0.93 5.40 3,337(550) | 0.94 5.36 3,344(552) | 0.93 5.36 3,343(553) | 0.87 5.23 3,351(552) |

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

²Includes births to races not shown separately.

³Computed in grams.

⁴Includes persons of Hispanic origin of any race.

NOTE: Very low birthweight is less than 1,500 grams. Low birthweight is less than 2,500 grams.

For 2001, 6.5 percent of Hispanic births weighed less than 2,500 grams compared with 6.4 percent for 1997–2000. Since 1990, this measure has risen moderately for Hispanic births, from 6.1 percent. Hispanic VLBW was 1.14 percent in 2001, unchanged since 1999. Low birthweight among Hispanic singletons was 5.40 percent for 2001 compared with 5.23 percent in 1990; VLBW among Hispanic singletons is essentially unchanged over this period (0.9 percent) (table G).

Notwithstanding differences in LBW trends among non-Hispanic white, non-Hispanic black, and Hispanic births, these groups demonstrate similar reductions of 20 to 25 percent in infant mortality rates between 1990 and 2000 (75,103).

The diversity of the Hispanic subgroups is underscored by large differences in LBW risk among the groups; for example, the rate of LBW for births to Puerto Rican mothers (9.3 percent) was more than 50 percent higher than that for births to Mexican mothers (6.1 percent). (See table 25.) Among the API subgroups, Chinese infants were the least likely (5.3 percent) and Filipino infants the most likely (8.7 percent), to weigh less than 5 and a half pounds (table 24).

The percent of **higher birthweight or macrosomic births** (4,000 grams or more, or at least 8 pounds, 14 ounces) was down markedly between 2000 and 2001, from 9.9 to 9.4 percent. The proportion of higher birthweight infants has generally trended downward after peaking at around 11 percent in the 1980s. (See figure 9.) From 2000 to 2001, macrosomia declined quite substantially among non-Hispanic white infants (from 11.7 to 11.1 percent), but was comparatively stable for Hispanic (9 percent), and non-Hispanic black infants (5 percent) (tables 24 and 25).

The **mean birthweight** for singleton births for 2001 was 3,339 grams, or 7 pounds, 6 ounces (table G). The mean weight of non-

Hispanic white singletons was 3,399 grams, at least 250 grams (9 ounces) higher than the average weight of non-Hispanic black singletons (3,135 grams).

The risk of delivering an LBW infant is highest for the youngest (less than 15 years) and the oldest mothers (45 years of age and over) (table 45). Much of the excess LBW risk of older mothers can be attributed to their higher multiple birth rates. In 2001 one-third of all LBW births to women 45 years of age and over was a multiple birth, compared with 11 percent of LBW births to women under 20 years of age.

There are large differences **among the States in VLBW and LBW rates (tables 46 and 47)**. For 2001, LBW levels for non-Hispanic white births ranged from 5.0 (Alaska) to 8.4 percent (West Virginia). As in previous years, the highest State-specific rate for non-Hispanic white births was lower than the lowest State-specific rate for non-Hispanic black births; 2001 LBW rates for States with at least 1,000 non-Hispanic black births ranged from 9.8 percent in Minnesota, to 14.4 percent in Arizona and Louisiana.

Apgar score

The Apgar score is a routinely performed method of evaluating the general physical condition of the newborn at 1 minute, 5 minutes, and if desired, at additional 5-minute intervals after delivery (104-106). The score measures five easily identifiable infant characteristics-heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each characteristic is assessed and assigned a value of 0 to 2, with 2 being optimum. The total score is the sum of the scores of the five components (104). A score of 0 to 3 indicates an infant in need of resuscitation; a score in the range of 4 to 6 is considered intermediate; a score of 7 or greater indicates that the neonate is in good to excellent physical condition. The 1-minute Apgar (no longer available from national vital statistics data), signals the need for immediate resuscitation. The 5-minute Apgar score can be a useful clinical indicator of the effectiveness of resuscitation efforts, but has limited use in determining the severity of the problem and correlates poorly with future neurologic outcome (105). In 2001 all States except California and Texas reported information on the 5-minute Apgar score, accounting for 78 percent of all U.S. births.

In 2001 the proportion of newborns with Apgar scores of 9 or 10, indicating excellent infant health status has increased very slowly from 88.6 percent in 1978 to 90.3. The proportion of births with low Apgar scores (below 7) declined over 30 percent from 1978 to 1993 (2.1 percent to 1.4) and remained unchanged since then (1.4 percent in 2001) (tables 24 and 25).

For non-Hispanic black infants, unfavorable Apgar scores have declined and excellent Apgar ratings have increased in the past decade, while low and high Apgar ratings have remained steady for non-Hispanic whites. Despite the improvement in scores for non-Hispanic black infants, disparities persist between the two groups. In 2001, 2.3 percent of non-Hispanic black infants have Apgar scores under 7 compared with 1.2 percent of non-Hispanic white infants.

Multiple births (twins, triplets, etc.) are at higher risk of poor outcome compared with singletons (see section on Multiple births) and are thus more likely to have lower Apgar scores. Interestingly, Apgar scores have improved among both multiple and singleton births over the last two decades. Between 1978 and 2001 the percent of multiples with low Apgar scores dropped by nearly one-half (from 9.6 to 4.9); low Apgar scores for singletons declined from 2.0 to 1.2 percent over this period. The amelioration in Apgar scores suggests improvements in resuscitation techniques (107,108).

Abnormal conditions of the newborn

Eight abnormal conditions are reported on the birth certificate. Each year since these data have been collected (1989), the three most frequently reported conditions have been assisted ventilation less than 30 minutes, assisted ventilation of 30 minutes or longer, and hyaline membrane disease/respiratory distress syndrome (RDS) (table 48).

In 2001 the rate for assisted ventilation less than 30 minutes was 22.0 per 1,000. The rate has nearly doubled since 1989 (11.4). The rate of assisted ventilation of 30 minutes or longer was 9.3 per 1,000. This rate has also slowly increased since 1989 (6.9). Assisted ventilation is a mainstay in the treatment of respiratory disorders such as RDS (109,110).

The overall rate of hyaline membrane disease (RDS) was 6.0 per 1,000 in 2001 and has been decreasing slowly since the highest levels were reported for 1994–95 (6.7). Hyaline membrane disease/RDS is a frequent cause of morbidity in preterm infants (111). Risk factors include early gestational age, poorly controlled maternal diabetes, multiple births, and fetal asphyxia (109).

The rate for meconium aspiration syndrome (1.6) has been slowly decreasing since 1989 (3.2); the rate for anemia (1.0) was half the 1989 rate (2.0).

Abnormal conditions may be underreported on the birth certificate (77,112). For example, at birth the observable features of fetal alcohol syndrome (FAS), a leading preventable cause of developmental disabilities and birth defects, may be subtle or not recognized (61,113).

Congenital anomalies

The leading cause of infant deaths in the United States, congenital anomalies, are also a cause of metabolic disorders and disabilities (75,106,114,115). Congenital anomalies are reported on the birth certificates of 49 States and the District of Columbia, accounting for more than 99 percent of births in 2001 (table 49).

Although congenital anomalies are underreported on the birth certificate, birth certificate data may be a valuable resource for exploratory or corroborative studies (77,116). A recent report using birth certificate data corroborated findings of a positive association between maternal smoking and selected birth defects, including cleft lip/palate and clubfoot (116). Complete reporting of these conditions is limited by difficulties in detection at birth (77,117). Anomalies that are most serious and/or apparently cause functional or cosmetic impairment are more likely to be recognized and reported prior to hospital discharge (117). The congenital anomalies reported on the birth certificate are rare events and a small change in the number of anomalies reported can result in a relatively large change in rates. Therefore, caution should also be used in comparing yearly rates for a specific anomaly.

In 2001 rates for the 21 malformations/groups of malformations listed on the birth certificate were essentially unchanged from 2000. The rate of cleft lip/palate was 80.6 per 100,000 births. Clubfoot was reported at a rate of 58.6 per 100,000.

The rate for spina bifida/meningocele in 2001 was 19.9 per 100,000 births; the rate for anencephalus was 9.9. Since 1992 there

has been a nationwide effort to prevent neural tube defects, such as spina bifida and anencephalus, by encouraging increased intake of folic acid among women of childbearing age; fortification of all cereal and grain products with folic acid has been mandatory since 1998 (118). Increased folate use among women of childbearing age was recently reported (119). Significant declines in the rates for these conditions have been observed between 1996 (prefortification) and 2001 (118,120).

Multiple births

The **twin birth rate** continued to climb for 2001, rising 3 percent, to 30.1 per 1,000 total live births. (See table 50 for 2001 data.) The twinning rate has climbed 33 percent since 1990 (22.6 per 1,000), and 59 percent since 1980 (18.9 per 1,000). The current year marks the first that the proportion of all U.S. births that are twins exceeded 3 percent. There were 121,246 births in twin deliveries in 2001, 77 percent more than the number reported for 1980 (68,339) (121).

Twinning rates increased between 2000 and 2001 among non-Hispanic white (33.5 per 1,000 in 2001), and non-Hispanic black mothers (33.9), but were essentially unchanged for Hispanics (20.3). Twin birth rates were up for the current year among all age groups except teenagers, but increases were most pronounced for mothers 40 years of age and older. Twinning rates have risen for all age groups over the last decade, but the largest increases have been for older mothers. Between 1990 and 2001, the twin birth rate for women 40–44 years has almost doubled, rising from 24.7 to 48.1 per 1,000; the rate for women 45–49 years has climbed more than 7 times, from 23.8 to 170.1 (**figure 10**). In contrast, the twin birth rate for women 20–24 years has risen a comparatively modest 16 percent, from 19.2 to 22.3 per 1,000 over this period. In 2001, 17 percent of all births to women 45–49 years of age were twins.

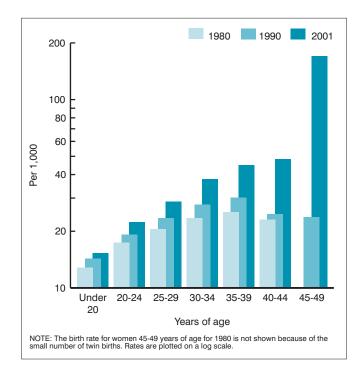


Figure 10. Twin birth rates by age of mother: United States, 1980, 1990, and 2001

Following 2 years of decline, the **birth rate for triplets and other higher order multiples** (triplet/+) also rose 3 percent, to 185.6 triplet/+ births per 100,000. After surging dramatically between 1980 and 1998 (from 37.0 to 193.5 per 100,000) the triplet/+ birth rate (the number of triplets, quadruplets, and quintuplets, and other higher order multiples per 100,000 live births) declined slightly in 1999 and 2000. The current level remains lower than the 1998 peak, however. There were 7,471 triplet/+ births in 2001: 6,885 triplets, 501 quadruplets, and 85 quintuplets and other higher order multiples. The number of quadruplets and quintuplets and other higher order multiples has been fairly stable since 1996 (122).

The upsurge in multiple births over the last 2 decades, especially in triplet/+ births, has been associated with two related trends: advances in, and greater access to fertility therapies (assisted reproductive technologies (ART) such as *in vitro* fertilization (IVF), and non-ART procedures such as intrauterine insemination and ovulationinducing drugs), and with the older age of childbearing (women in their thirties are more likely to have a multiple birth than younger women even without the use of fertility therapies) (123–125). A study of 1997 triplet/+ births estimated that 43 percent resulted from ART, 38 percent were the result of ovulation-inducing drugs; only 20 percent of triplet/+ births were spontaneously conceived (98).

Between 1990 and 1998, the triplet/+ birth rate climbed an average of 13 percent annually. Notwithstanding the 3 percent rise in the triplet/+ rate for the current year, the dramatic surge in triplet births appears to have subsided, at least for the short term. The shift in this trend, particularly among older women (**see figure 11**)—those most likely to seek fertility therapy—suggests the influence of more than changing demographics. In 1999 The American College of Obstetricians and Gynecologists and The American Society of Reproductive Medicine issued recommendations intended to prevent triplets/+ pregnancies because of their elevated risk of poor outcome (126,127). Recent refinements to fertility-enhancing therapies, particularly to IVF, which lower the risk of multifetal pregnancy, also may be affecting the incidence of higher order multiple births (126–129).

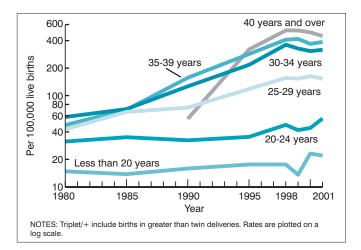


Figure 11. Triplet/+ birth rates by age of mother: United States, 1980–2001

The rate of triplet/+ births rose 3 percent between 2000 and 2001 for non-Hispanic white and Hispanic women (to 253.3 and 83.3 per 100,000, respectively), and 8 percent among non-Hispanic black women (90.0). Age-specific triplet/+ birth rates for non-Hispanic white mothers are similar to those of black mothers through age group 20–24 years, but are more than double those of black mothers thereafter.

The elevated risk of multiple births is demonstrated in **text table H**. In 2001 the average twin was delivered more than 3 weeks earlier than the average singleton (35.4 compared with 38.8); the average triplet was born more than 6 weeks earlier (32.0). The average triplet weighed about half of its singleton counterpart at birth. Although infant mortality has declined by about a third for both twins and triplet/+ between 1990 and 2000, the risk of early death for twins continues to be nearly 5 times that of singletons and the risk for triplets/+ 10 times as high (75, 103). Those who survive are at increased risk of long-term disabilities such as cerebral palsy (130). Women with multiple-fetal pregnancies are also at increased risk—they are more likely to develop pregnancy-induced complications (130).

| | Twins | Triplets | Quadruplets | Quintuplets/+ | Singletons |
|---|------------|------------|-------------|---------------|------------|
| Number | 121,246 | 6,885 | 501 | 85 | 3,897,216 |
| Percent very preterm ¹ | 11.8 | 36.7 | 64.5 | 78.6 | 1.6 |
| Percent preterm ² | 57.4 | 92.4 | 97.8 | 91.7 | 10.4 |
| standard deviation. | 35.4(3.7) | 32.0(4.0) | 29.6(4.1) | 29.1(3.9) | 38.8(2.5) |
| Percent very low birthweight ³ | 10.2 | 34.8 | 68.4 | 77.4 | 1.1 |
| Percent low birthweight ⁴ | 54.9 | 94.0 | 98.4 | 91.7 | 6.04 |
| standard deviation. | 2,353(647) | 1,678(574) | 1,290(549) | 1,269(676) | 3,339(573) |

Table H. Gestational age and birthweight characteristics by plurality: United States, 2001

¹Very preterm is less than 32 completed weeks of gestation.

²Preterm is less than 37 completed weeks of gestation.

³Very low birthweight is less than 1,500 grams.

⁴Low birthweight is less than 2,500 grams.

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| Age of father | 2 | | | | 6 | | 8 | 9 | 10 | | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 2 | | | | | | | | | | | | | | | | | | 20 | | | | | |
| Alaabal uga | | 3 | 4 | | | 7 | | 9 | | | | | | | | 17 | 18 | | | 21 | | | | |
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| Apgar score | | | | | | | | | | | | | | | | | | | | | | | 24 | 25 |
| Birthweight | | | | | | | | | | | | | | | | | | | | | | 23 | 24 | 25 |
| Day of week | | | | | | | | | | | | | | | 16 | | | | | | | | | |
| Education | | | | | | | | | | | | 13 | 14 | | | | | | | 21 | | | | |
| Gestational age | | | | | | | | | | | | | | | | | | | | | 22 | 23 | 24 | 25 |
| Hispanic origin of mother | | | | | 46 | 47 | ⁴ 8 | ⁴ 9 | | | ⁴ 12 | | ⁴ 14 | | | ⁶ 17 | ⁶ 18 | ⁶ 19 | | ⁶ 21 | ⁶ 22 | ⁴ 23 | | ⁴ 25 |
| Live-birth order | 2 | 3 | | 5 | | 7 | 8 | | | | | 13 | 14 | | | | | | | | | | | |
| Method of delivery | | | | | | | | | | | | | | | 16 | | | | | | | | 24 | 25 |
| Month of birth | | | | | | | | | | | | | | 15 | | | | | | | | | | |
| Nativity of mother | | | | | | | | | | | | 13 | 14 | | | | | | | | | | 24 | 25 |
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| Race of father | | | | | | | | | | | | | | | | | | | ³ 20 | | | | | |
| Race of mother 21 | ² 2 | ² 3 | ² 4 | ³ 5 | ⁴ 6 | 47 | ⁴ 8 | ⁴ 9 | | ² 11 | ⁴ 12 | ⁵ 13 | ⁴ 14 | ³ 15 | ³ 16 | ⁶ 17 | ⁶ 18 | ⁶ 19 | | ³ 21 | ⁶ 22 | ⁴ 23 | ⁵ 24 | ⁴ 25 |
| Sex of child | | | | | | | | | | | | 13 | 14 | | | | | | | | | | | |
| Teenage mothers | | | | | | | | | 10 | | | 13 | 14 | | | | | | | | | | | |
| Tobacco use | | | | | | | | | | | | | | | | | | | | | | | 24 | 25 |
| Unmarried mothers | | | | | | | | | | | | 13 | 14 | | | 17 | 18 | 19 | | | | | | |
| Weight gain during pregnancy | | | | | | | | | | | | | | | | | | | | | 22 | 23 | | 25 |

| TAD! 5 | | 07 | | | | | | | | 0.5 | | 07 | | | 40 | | 10 | 40 | | 45 | | 17 | 10 | 10 | |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
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| Geographic area: States ¹ | | | | | | | | | 34 | | | | | | | 41 | | | | | 46 | 47 | | | |
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| Years: Current year only | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | | 40 | 41 | 42 | 43 | | 45 | 46 | 47 | 48 | 49 | 50 |
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| Type of entry: Number of births | 26 | 27 | 28 | 29 | 30 | 31 | | 33 | | 35 | 36 | 37 | 38 | 39 | 40 | | 42 | 43 | | 45 | 46 | 47 | 48 | 49 | 50 |
| Rates or other measures | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
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| Attendant at birth | | | | | | | | | | | | | 38 | | | | | | | | | | | | |
| Birthweight | | | | | | | 32 | | | | | | | | | | | 43 | 44 | 45 | 46 | 47 | | | |
| Complications of labor | | 27 | 28 | | | | | | | | | 37 | | | | | 42 | | | | | | | | |
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| Gestational age | | | | | | | | | | | | | | | | | | 43 | 44 | | | | | | |
| Hispanic origin of mother | | | ⁴ 28 | | ⁴ 30 | ⁶ 31 | ⁶ 32 | ⁶ 33 | ⁶ 34 | ⁶ 35 | | | ⁶ 38 | ⁶ 39 | ⁶ 40 | ⁶ 41 | | ⁶ 43 | ⁶ 44 | ⁶ 45 | ⁶ 46 | ⁶ 47 | | | ⁶ 50 |
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| Method of delivery. | | | | | | | | | | | | | | 39 | 40 | 41 | 42 | | | | | | | | |
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| Multiple births | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Prenatal care | | | | | | | | 33 | 34 | 35 | | | | | | | | | | | | | | | |
| Race of mother | ³ 26 | ⁵ 27 | ⁴ 28 | ³ 29 | ⁴ 30 | ³ 31 | ⁶ 32 | ⁶ 33 | ⁶ 34 | ⁶ 35 | ³ 36 | ³ 37 | ⁶ 38 | ⁶ 39 | ⁶ 40 | ⁶ 41 | | ⁶ 43 | ³ 44 | ⁶ 45 | ⁶ 46 | ⁶ 47 | ³ 48 | ³ 49 | ⁶ 50 |
| Tobacco use | | | | 29 | 30 | 31 | 32 | | | | | | | | | | | | | | | | | | |

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

²Includes white, black, American Indian, Asian or Pacific Islander.

³Includes white and black.

⁴Includes Mexican, Puerto Rican, Cuban, Central and SouthAmerican, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black. ⁵Includes white, black,American Indian, Chinese, Japanese, Hawaiian, Filipino, and otherAsian and Pacific Islanders.

⁶Includes Hispanic, non-Hispanic white, and non-Hispanic black.

Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940-55 and each year, 1960-2001

[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]

| | | | Number | | | | | Birth ra | ate | | | | Fertility | rate | |
|--|---------------------------|------------------------|--------------------|---------------------------------|---------------------------------|---------------------------|--------------|--------------|---------------------------------|---------------------------------|---------------------------|----------------|----------------|---------------------------------|---------------------------------|
| Year | All races ¹ | White | Black | American Indian ² | Asian or Pacific Islander | All races ¹ | White | Black | American Indian ² | Asian or Pacific Islander | All races ¹ | White | Black | American Indian ² | Asian or Pacific Islander |
| Registered births | | | | | | | | | | | | | | | |
| Race of mother: | | | | | | | | | | | | | | | |
| 2001 | | | 606,156 | 41,872 | 200,279 | 14.5 | 13.9 | 17.0 | 16.9 | 17.2 | 66.9 | 66.3 | 69.5 | 70.8 | 69.4 |
| 2000 | | | 622,598 | 41,668 40,170 | 200,543 180,776 | 14.7 | 14.1 13.9 | 17.6 17.4 | 17.1 16.8 | 17.8 | 67.5 | 66.5 | 71.7 70.1 | 71.4 69.7 | 70.7 |
| 1999 1998 | | 3,132,501 3,118,727 | 605,970 609,902 | 40,170 | 172,652 | 14.5 14.6 | 14.0 | 17.4 | 17.1 | 16.7 16.4 | 65.9 65.6 | 65.1 64.6 | 70.1 | 70.7 | 65.6 64.0 |
| 1997 | | 3,072,640 | 599,913 | 38,572 | 169,769 | 14.5 | 13.9 | 17.7 | 16.6 | 16.9 | 65.0 | 63.9 | 70.7 | 69.1 | 66.3 |
| 1996 | | 3,093,057 | 594,781 | 37,880 | 165,776 | 14.7 | 14.1 | 17.8 | 16.6 | 17.0 | 65.3 | 64.3 | 70.7 | 68.7 | 65.9 |
| 1995 | | 3,098,885 | 603,139 | 37,278 | 160,287 | 14.8 | 14.2 | 18.2 | 16.6 | 17.3 | 65.6 | 64.4 | 72.3 | 69.1 | 66.4 |
| 1994 1993 | | 3,121,004 3,149,833 | 636,391 658,875 | 37,740 38,732 | 157,632 152,800 | 15.2 15.5 | 14.4 14.7 | 19.5 20.5 | 17.1 17.8 | 17.5 17.7 | 66.7 67.6 | 64.9 65.4 | 76.9 80.5 | 70.9 73.4 | 66.8 66.7 |
| 1992 | | | 673,633 | 39,453 | 150,250 | 15.9 | 15.0 | 20.3 | 18.4 | 18.0 | 68.9 | 66.5 | 83.2 | 75.4 | 67.2 |
| 1991 | | 3,241,273 | 682,602 | 38,841 | 145,372 | 16.3 | 15.4 | 21.9 | 18.3 | 18.2 | 69.6 | 67.0 | 85.2 | 75.1 | 67.6 |
| 1990 | | | 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 1988 | | 3,192,355 3,102,083 | 673,124 638,562 | 39,478 37,088 | 133,075 129,035 | 16.4 16.0 | 15.4 15.0 | 22.3 21.5 | 19.7 19.3 | 18.7 19.2 | 69.2 67.3 | 66.4 64.5 | 86.2 82.6 | 79.0 76.8 | 68.2 70.2 |
| 1987 | | 3,043,828 | 611,173 | 35,322 | 129,035 | 15.7 | 14.9 | 21.5 | 19.3 | 19.2 | 65.8 | 63.3 | 80.1 | 75.6 | 67.1 |
| 1986 | | 3,019,175 | 592,910 | 34,169 | 107,797 | 15.6 | 14.8 | 20.5 | 19.2 | 18.0 | 65.4 | 63.1 | 78.9 | 75.9 | 66.0 |
| 1985 | 3,760,561 | 3,037,913 | 581,824 | 34,037 | 104,606 | 15.8 | 15.0 | 20.4 | 19.8 | 18.7 | 66.3 | 64.1 | 78.8 | 78.6 | 68.4 |
| 1984 ³ | 3,669,141 | 2,967,100 | 568,138 | 33,256 | 98,926 | 15.6 | 14.8 | 20.1 | 20.1 | 18.8 | 65.5 | 63.2 | 78.2 | 79.8 | 69.2 |
| 1983 ³ 1982 ³ | | | 562,624 568,506 | 32,881 32,436 | 95,713 93,193 | 15.6 15.9 | 14.8 15.1 | 20.2 20.7 | 20.6 21.1 | 19.5 20.3 | 65.7 67.3 | 63.4 64.8 | 78.7 80.9 | 81.8 83.6 | 71.7 74.8 |
| 1981 ³ | 3.629.238 | 2,964,617 | 564,955 | 29,688 | 84,553 | 15.8 | 15.0 | 20.7 | 20.0 | 20.3 | 67.3 | 64.8 | 82.0 | 79.6 | 74.8 |
| | 3,612,258 | | 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: | | | | | | | | | | | | | | | |
| | 3,612,258 | | 589,616 | 36,797 | | 15.9 | 14.9 | 22.1 | | | 68.4 | 64.7 | 88.1 | | |
| 1979 ³ 1978 ³ | 3,494,398 | 2,808,420 2,681,116 | 577,855 551,540 | 34,269 33,160 | | 15.6 15.0 | 14.5 14.0 | 22.0 21.3 | | | 67.2 65.5 | 63.4 61.7 | 88.3 86.7 | | |
| 1977 ³ | 3,326,632 | 2,691,070 | 544,221 | 30,500 | | 15.0 | 14.0 | 21.3 | | | 66.8 | 63.2 | 88.1 | | |
| 1976 ³ | | 2,567,614 | 514,479 | 29,009 | | 14.6 | 13.6 | 20.5 | | | 65.0 | 61.5 | 85.8 | | |
| | 3,144,198 | 2,551,996 | 511,581 | 27,546 | | 14.6 | 13.6 | 20.7 | | | 66.0 | 62.5 | 87.9 | | |
| 1974 ³ | | | 507,162 | 26,631 | | 14.8 | 13.9 | 20.8 | | | 67.8 | 64.2 | 89.7 | | |
| 1973 ³ 1972 ³ | 3,136,965 3,258,411 | 2,551,030 2,655,558 | 512,597 531,329 | 26,464 27,368 | | 14.8 15.6 | 13.8 14.5 | 21.4 22.5 | | | 68.8 73.1 | 64.9 68.9 | 93.6 99.9 | | |
| | 3,555,970 | | 564,960 | 27,148 | | 17.2 | 16.1 | 24.4 | | | 81.6 | 77.3 | 109.7 | | |
| 1970 ⁴ | 3,731,386 | | 572,362 | 25,864 | | 18.4 | 17.4 | 25.3 | | | 87.9 | 84.1 | 115.4 | | |
| | 3,600,206 | 2,993,614 | 543,132 | 24,008 | | 17.9 | 16.9 | 24.4 | | | 86.1 | 82.2 | 112.1 | | |
| | 3,501,564 3,520,959 | 2,912,224 2,922,502 | 531,152 543,976 | 24,156 22,665 | | 17.6 17.8 | 16.6 16.8 | 24.2 25.1 | | | 85.2 87.2 | 81.3 82.8 | 112.7 118.5 | | |
| 1966 ⁴ | | 2,922,502 | 558,244 | 23,005 | | 18.4 | 17.4 | 26.2 | | | 90.8 | 86.2 | 124.7 | | |
| 1965 4 | , , | 3,123,860 | 581,126 | 24,066 | | 19.4 | 18.3 | 27.7 | | | 96.3 | 91.3 | 133.2 | | |
| 1964 4 | 4,027,490 | 3,369,160 | 607,556 | 24,382 | | 21.1 | 20.0 | 29.5 | | | 104.7 | 99.8 | 142.6 | | |
| 1963 ^{4, 6} | 4,098,020 | 3,326,344 | 580,658 | 22,358 | | 21.7 | 20.7 | | | | 108.3 | 103.6 | | | |
| 1962 ^{4, 6} 1961 ⁴ | 4,167,362 | | 584,610 611,072 | 21,968 21,464 | | 22.4 23.3 | 21.4 22.2 | | | | 112.0 117.1 | 107.5 112.3 | | | |
| 1960 ⁴ | 4,257,850 | 3,600,744 | 602,264 | 21,114 | | 23.7 | 22.7 | 31.9 | | | 118.0 | 113.2 | 153.5 | | |
| Births adjusted for underregis- tration | | | | | | | | | | | | | | | |
| Race of child: | | | | | | | | | | | | | | | |
| 1955 | | | | | | 25.0 | 23.8 | | | | 118.3 | 113.7 | | | |
| 1950 | | | | | | 24.1 | 23.0 | | | | 106.2 | 102.3 | | | |
| 1945 1940 | | | | | | 20.4 19.4 | 19.7 18.6 | | | | 85.9 79.9 | 83.4 77.1 | | | |
| 1340 | 2,009,000 | 2,199,000 | | | | 19.4 | 10.0 | | | | 19.9 | //.1 | | | |

Data not available. 1

For 1960-91 includes births to races not shown separately.

For 1960-91 includes births to races not snown separately.
 Includes births to Aleuts and Eskimos.
 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.
 Based on a 20- to 50-percent sample of births.
 Based on a 20- to 50-percent sample of births.
 Figures by race exclude New Jersey.

NOTES: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S.Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 2001

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

| | | | | | | | | Age o | of mother | | | | | | |
|------------------------------|------------|-------------|---------|-------------|-------------|-------------|-------------|-------------|----------------|----------------|----------------|----------------|----------------|-------|-----|
| Live-birth order and | All | Under | | | 15-1 | 9 years | | | | | | | | | |
| race of mother | ages | 15 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 | | |
| All races | 4,025,933 | 7,781 | 445,944 | 20,150 | 45,367 | 79,807 | 126,361 | 174,259 | 1,021,627 | 1,058,265 | 942,697 | 451,723 | 92,813 | 4,844 | 239 |
| 1st child | 1,594,954 | 7,614 | 349,743 | | | | 98,653 | 122,109 | 468,447 | 376,247 | 271,596 | 100,701 | | | 72 |
| 2d child | 1,308,748 | 132 | 79,446 | 757 | | 10,196 | 23,448 | 41,592 | 351,949 | 363,743 | 340,023 | 146,291 | | 1,164 | 6 |
| 3d child | 675,748 | 4 | 12,958 | 22 | 212 | 929 | 3,317 | 8,478 | 143,255 | 198,094 | 194,844 | 106,196 | | 813 | 4 |
| 4th child | 263,242 | 3 | 1,692 | 1 | 12 | 63 | 351 | 1,265 | 41,418 | 76,435 | 79,868 | | 11,775 | 534 | 2 |
| 5th child | 95,640 | - | 190 | 5 | - | 7 | 41 | 137 | 10,054 | 26,216 | 30,068 | 22,491 | 6,250 | 355 | 1 |
| Sth child | 38,436 | - | 17 | - | - | - | 5 | 12 | 2,330 | 9,063 | 12,686 | 10,556 | | 200 | |
| 7th child | 17,216 | - | 4 | - | 1 | - | - | 3 | 518 | 3,262 | 5,733 | 5,485 | | 149 | |
| Bth child and over | 18,161 | - | 2 | - | - | - | - | 2 | 176 | 1,713 | 4,913 | 6,980 | | 442 | |
| Not stated | 13,788 | 28 | 1,892 | 97 | 217 | 371 | 546 | 661 | 3,480 | 3,492 | 2,966 | 1,535 | 361 | 33 | |
| White | 3,177,626 | 4,095 | 318,563 | 12,584 | 30,510 | 56,098 | 91,284 | 128,087 | 779,529 | 850,343 | 777,294 | 368,816 | 74,856 | 3,936 | 194 |
| 1st child | 1,259,698 | 3,997 | 253,947 | 12,040 | 28,173 | 48,612 | 72,711 | 92,411 | 369,796 | 307,860 | 224,370 | 82,773 | 15,931 | 965 | 59 |
| 2d child | 1,051,422 | 76 | 54,299 | 454 | 2,046 | 6,604 | 15,985 | 29,210 | 272,320 | 299,410 | 284,130 | 119,205 | 20,945 | 985 | 52 |
| 3d child | 535,772 | 3 | 7,860 | 12 | 116 | 553 | 1,957 | 5,222 | 102,060 | 158,157 | 163,007 | 88,218 | 15,786 | 648 | 3 |
| 4th child | 200,992 | 3 | 862 | 1 | 5 | 32 | 168 | 656 | 25,885 | 56,866 | 65,028 | 42,484 | 9,428 | 413 | 23 |
| 5th child | 68,913 | - | 91 | 3 | - | 6 | 22 | 60 | 5,346 | 17,517 | 22,912 | 17,815 | 4,931 | 286 | 1 |
| 6th child | 26,563 | - | 10 | - | - | - | 4 | 6 | 1,116 | 5,328 | 8,939 | 8,180 | | 157 | - |
| 7th child | 11.487 | | 1 | - | - | | - | 1 | 217 | 1,693 | 3,766 | 4.056 | | 116 | |
| 8th child and over | 12.031 | | 2 | - | - | | - | 2 | 98 | 795 | 2,798 | 4,903 | | 339 | (|
| Not stated | 10,748 | 16 | 1,491 | 74 | 170 | 291 | 437 | 519 | 2,691 | 2,717 | 2,344 | 1,182 | 279 | 27 | 1 |
| Black | 606,156 | 3,455 | 110,843 | 6,881 | 13,183 | 20,778 | 30,516 | 39,485 | 199,221 | 137,400 | 94,660 | 49,065 | 11,001 | 495 | 16 |
| 1st child | 226,781 | 3,394 | 82,823 | 6 569 | 11,771 | 17 101 | 22,385 | 24,997 | 75,958 | 33,344 | 20,450 | 8,901 | 1,821 | 88 | 2 |
| 2d child | 178.091 | 49 | 22,241 | 278 | 1.279 | 3.244 | 6.627 | 10.813 | 66.880 | 43.050 | 29,124 | 13,902 | | 97 | - |
| 3d child | 107,910 | | 4,593 | 10 | 89 | 339 | 1,229 | 2,926 | 36,127 | 31,663 | 21,721 | 11,397 | 2,321 | 83 | |
| 4th child | 50,244 | - | 764 | - | 5 | 29 | 171 | 559 | 13,931 | 16,234 | 11,117 | 6,497 | 1,623 | 75 | ; |
| 5th child | 21,954 | - | 91 | 2 | - | 1 | 18 | 70 | 4,297 | 7,327 | 5,628 | 3,576 | 986 | 49 | |
| 6th child | 9,678 | - | 6 | - | - | | 1 | 5 | 1,108 | 3,147 | 2,981 | 1,833 | 574 | 28 | |
| 7th child | 4.616 | | 3 | - | 1 | | - | 2 | 270 | 1,351 | 1.532 | 1,134 | 305 | 21 | |
| 8th child and over | 4,752 | | - | | | | - | - | 70 | 776 | 1,695 | 1,583 | 577 | 49 | : |
| Not stated | 2,130 | 11 | 322 | 22 | 38 | 64 | 85 | 113 | 580 | 508 | 412 | 242 | 50 | | 4 |
| | | | | | 30 | | | | | | | | 50 | | |
| American Indian ¹ | 41,872 | 145 | 7,939 | 357 | 863 | 1,475 | 2,257 | 2,987 | 14,071 | 9,878 | 6,190 | 2,940 | 674 | 34 | f |
| 1st child | 14,639 | 139 | 6,018 | 342 | 784 | 1,261 | 1,682 | 1,949 | 5,177 | 1,949 | 944 | 339 | 69 | 3 | |
| 2d child | 11,619 | 5 | 1,587 | 15 | 72 | 192 | 496 | 812 | 4,975 | 2,882 | 1.482 | 562 | 123 | 3 | |
| 3d child | 7,560 | - | 260 | - | 3 | 14 | 62 | 181 | 2,653 | 2,465 | 1,436 | 623 | 119 | 4 | |
| 4th child | 3,989 | | 29 | - | - | 1 | 3 | 25 | 896 | 1,431 | 1,017 | 504 | 102 | 10 | |
| 5th child | 1,896 | | 2 | - | - | | - | 2 | 213 | 664 | 564 | 367 | 85 | 1 | |
| 6th child | 974 | | _ | - | - | | - | _ | 53 | 280 | 360 | 226 | 50 | 5 | |
| 7th child | 480 | - | - | - | - | - | - | - | 13 | 97 | 194 | 133 | 41 | 2 | |
| 8th child and over | 479 | | - | - | - | | - | - | 4 | 50 | 166 | 173 | 80 | 6 | |
| Not stated | 236 | 1 | 43 | - | 4 | 7 | 14 | 18 | 87 | 60 | 27 | 13 | 5 | - | |
| Asian or Pacific Islander | 200,279 | 86 | 8,599 | 328 | 811 | 1,456 | 2,304 | 3,700 | 28,806 | 60,644 | 64,553 | 30,902 | 6,282 | 379 | 28 |
| 1st child | 93,836 | 84 | 6,955 | 317 | 744 | 1,267 | 1,875 | 2,752 | 17,516 | 33,094 | 25,832 | 8,688 | 1,559 | 98 | 1(|
| 2d child | 67,616 | 2 | 1,319 | 10 | 56 | 156 | 340 | 757 | 7,774 | 18,401 | 25,287 | 12,622 | | 79 | (|
| 3d child | 24,506 | - | 245 | - | 4 | 23 | 69 | 149 | 2,415 | 5,809 | 8,680 | 5,958 | 1,314 | 78 | - |
| 4th child | 8,017 | _ | 37 | _ | 2 | 1 | 9 | 25 | 706 | 1,904 | 2,706 | 2,003 | 622 | 36 | : |
| 5th child | 2.877 | _ | 6 | _ | - | - | 1 | 25 | 198 | 708 | 964 | 733 | 248 | 19 | |
| Sth child | 1.221 | | 1 | - | - | | 1 | 1 | 53 | 308 | 406 | 317 | 126 | 10 | |
| 7th child | 633 | - | 1 | - | - | - | - | 1 | 18 | 121 | 241 | 162 | 81 | 10 | |
| | 899 | - | - | - | - | - | - | - | 10 | 92 | 241 | 321 | 179 | | |
| 8th child and over | 899 674 | - | - | - 1 | 5 | 9 | 10 | | | | | | | 48 | |
| Not stated | 074 | - | 36 | 1 | 5 | 9 | 10 | 11 | 122 | 207 | 183 | 98 | 27 | 1 | |

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

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

Table 3. Fertility rates and birth rates by age of mother, live-birth order, and race of mother: United States, 2001

[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. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

| | | | | | | Age of | mother | | | | |
|------------------------------|-------|----------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
| Live-birth order and | 15-44 | 10.14 | | 15-19 years | | | 05.00 | 00.04 | 05.00 | 40.44 | 45.40 |
| race of mother | years | 10-14 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years ¹ |
| All races | 66.9 | 0.8 | 45.8 | 25.2 | 75.5 | 109.9 | 121.3 | 95.2 | 41.3 | 8.1 | 0.5 |
| 1st child | 26.6 | 0.8 | 36.1 | 22.5 | 55.7 | 50.6 | 43.3 | 27.5 | 9.2 | 1.7 | 0.1 |
| 2d child | 21.8 | 0.0 | 8.2 | 2.5 | 16.4 | 38.0 | 41.8 | 34.4 | 13.4 | 2.3 | 0.1 |
| 3d child | 11.3 | * | 1.3 | 0.2 | 3.0 | 15.5 | 22.8 | 19.7 | 9.7 | 1.7 | 0.1 |
| 4th child | 4.4 | * | 0.2 | 0.0 | 0.4 | 4.5 | 8.8 | 8.1 | 4.7 | 1.0 | 0.1 |
| 5th child | 1.6 | * | 0.0 | * | 0.0 | 1.1 | 3.0 | 3.0 | 2.1 | 0.5 | 0.0 |
| 6th and 7th child | 0.9 | * | 0.0 | * | 0.0 | 0.3 | 1.4 | 1.9 | 1.5 | 0.5 | 0.0 |
| 8th child and over | 0.3 | * | * | * | * | 0.0 | 0.2 | 0.5 | 0.6 | 0.3 | 0.0 |
| White | 66.3 | 0.5 | 41.4 | 21.9 | 69.7 | 106.2 | 124.5 | 98.9 | 41.9 | 8.0 | 0.5 |
| 1st child | 26.4 | 0.5 | 33.2 | 10.7 | 52.7 | 50.5 | 45.2 | 28.6 | 9.4 | 1.7 | 0.1 |
| | | | | 19.7 | | | | | | | |
| 2d child | 22.0 | 0.0 | 7.1 | 2.0 | 14.4 | 37.2 | 44.0 | 36.3 | 13.6 | 2.2 | 0.1 |
| 3d child | 11.2 | * | 1.0 | 0.2 | 2.3 | 13.9 | 23.2 | 20.8 | 10.0 | 1.7 | 0.1 |
| 4th child | 4.2 | | 0.1 | 0.0 | 0.3 | 3.5 | 8.4 | 8.3 | 4.8 | 1.0 | 0.1 |
| 5th child | 1.4 | * | 0.0 | * | 0.0 | 0.7 | 2.6 | 2.9 | 2.0 | 0.5 | 0.0 |
| 6th and 7th child | 0.8 | * | * | * | * | 0.2 | 1.0 | 1.6 | 1.4 | 0.5 | 0.0 |
| 8th child and over | 0.3 | * | * | * | * | 0.0 | 0.1 | 0.4 | 0.6 | 0.3 | 0.0 |
| Black | 69.5 | 2.2 | 73.2 | 45.6 | 113.2 | 138.3 | 104.1 | 67.0 | 32.2 | 7.3 | 0.4 |
| 1st child | 26.1 | 2.1 | 54.9 | 39.7 | 76.8 | 52.9 | 25.4 | 14.5 | 5.9 | 1.2 | 0.1 |
| 2d child | 20.5 | 0.0 | 14.7 | 5.4 | 28.3 | 46.6 | 32.7 | 20.7 | 9.2 | 1.8 | 0.1 |
| 3d child | 12.4 | * | 3.0 | 0.5 | 6.7 | 25.2 | 24.1 | 15.4 | 7.5 | 1.5 | 0.1 |
| 4th child | 5.8 | * | 0.5 | 0.0 | 1.2 | 9.7 | 12.3 | 7.9 | 4.3 | 1.1 | 0.1 |
| | 2.5 | * | 0.0 | * | 0.1 | 3.0 | 5.6 | 4.0 | 2.4 | 0.7 | 0.0 |
| 5th child | | * | 0.1 | * | 0.1 | | | | | | |
| 6th and 7th child | 1.6 | | * | * | * | 1.0 | 3.4 | 3.2 | 2.0 | 0.6 | 0.0 |
| 8th child and over | 0.5 | | | | <u>^</u> | 0.0 | 0.6 | 1.2 | 1.0 | 0.4 | 0.0 |
| American Indian ² | 70.8 | 1.2 | 66.0 | 36.7 | 111.9 | 134.0 | 105.4 | 68.0 | 32.5 | 7.4 | 0.4 |
| 1st child | 24.9 | 1.1 | 50.3 | 32.7 | 78.0 | 49.6 | 20.9 | 10.4 | 3.8 | 0.8 | * |
| 2d child | 19.8 | * | 13.3 | 3.8 | 28.1 | 47.7 | 30.9 | 16.4 | 6.2 | 1.4 | * |
| 3d child | 12.9 | * | 2.2 | * | 5.2 | 25.4 | 26.5 | 15.8 | 6.9 | 1.3 | * |
| 4th child | 6.8 | * | 0.2 | * | 0.6 | 8.6 | 15.4 | 11.2 | 5.6 | 1.1 | * |
| 5th child | 3.2 | * | * | * | * | 2.0 | 7.1 | 6.2 | 4.1 | 0.9 | * |
| 6th and 7th child | 2.5 | * | * | * | * | 0.6 | 4.0 | 6.1 | 4.0 | 1.0 | * |
| 8th child and over | 0.8 | * | * | * | * | * | 0.5 | 1.8 | 1.9 | 0.9 | * |
| | 69.4 | 0.2 | 20.4 | 10.0 | 25.6 | 70.1 | 125.5 | | | 12.5 | 0.9 |
| Asian or Pacific Islander | 09.4 | 0.2 | 20.4 | 10.2 | 35.6 | 70.1 | 120.0 | 118.3 | 59.2 | 12.5 | 0.9 |
| 1st child | 32.6 | 0.2 | 16.5 | 9.2 | 27.5 | 42.8 | 68.7 | 47.5 | 16.7 | 3.1 | 0.2 |
| 2d child | 23.5 | * | 3.1 | 0.9 | 6.5 | 19.0 | 38.2 | 46.5 | 24.3 | 4.2 | 0.2 |
| 3d child | 8.5 | * | 0.6 | 0.1 | 1.3 | 5.9 | 12.1 | 15.9 | 11.4 | 2.6 | 0.2 |
| 4th child | 2.8 | * | 0.1 | * | 0.2 | 1.7 | 4.0 | 5.0 | 3.8 | 1.2 | 0.1 |
| 5th child | 1.0 | * | * | * | * | 0.5 | 1.5 | 1.8 | 1.4 | 0.5 | 0.0 |
| 6th and 7th child | 0.6 | * | * | * | * | 0.2 | 0.9 | 1.2 | 0.9 | 0.4 | 0.0 |
| 8th child and over | 0.3 | * | * | * | * | * | 0.2 | 0.5 | 0.6 | 0.4 | 0.0 |
| | 0.0 | | | | | | 0.2 | 0.0 | 0.0 | 0.7 | 0.1 |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.
 0.0 Quantity more than zero but less than 0.05.
 1 Birth rates computed by relating births to women aged 45-54 years to women aged 45-49 years.
 2 Includes births to Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes. Denominators for population-based rates are derived from the 1990 U.S. Census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-2001, and by age and race of mother: United States, 1980-2001

[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 1970, 1980, and 1990, and estimated as of July 1 for all other years]

| 1997 2.002.5 1.1 52.3 32.1 63.6 110.4 113.8 65.3 36.1 7.1 0.4 1986 2.007.0 1.2 55.4 33.8 66.1 101.4 113.1 83.3 36.1 6.4 0.3 1987 2.046.0 1.4 69.8 37.6 94.5 114.6 117.4 80.3 32.5 5.9 0.3 1982 2.045.0 1.4 60.7 37.6 94.5 114.6 117.4 80.2 32.5 5.9 0.2 1981 2.073.0 1.4 60.7 37.6 94.4 113.6 113.8 78.5 0.7 13.8 5.0 2.2 5.9 0.2 2.9 1.8 1.3.8 1.3.8 3.6.1 7.6 10.4 7.8 10.2 114.4 7.8 2.8 4.4 0.2 2.8 0.2 1.8 0.2 1.8 0.2 1.8 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3 0.2 0.2 < | | | | | | | Age of | mother | | | | |
|--|-------------------|-----------|-------|-------|-------------|-------|--------|--------|-------|-------|-------|-------|
| Interse years < | Year and race | fertility | 10-14 | | 15-19 years | | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 2011 2.114.5 0.0 46.8 25.2 75.5 109.9 121.3 95.2 41.3 7.1 0.0 1989 2.058.5 0.0 45.8 27.7 77.5 112.3 114.8 84.3 7.4 7.3 0.4 1989 2.058.5 0.0 51.1 35.2 85.3 86.0 110.4 113.8 85.3 33.6 66.0 0.3 1989 2.057.0 1.2 54.8 33.8 86.0 110.4 113.9 81.5 33.7 64.0 0.3 1984 2.066.0 1.4 55.6 7.7 80.2 116.5 110.2 87.6 32.0 65.1 0.2 1986 2.064.0 1.4 55.9 37.7 78.6 107.4 117.6 77.4 28.9 5.2 0.2 0.2 1987 1.64.0 1.5 51.0 31.0 77.8 117.6 17.7 28.9 5.2 0.2 0.2 119.7 117.6 7.7 28.9 5.2 0.2 0.2 0.3 0.3 | | rate | | Total | | | | | | | | |
| 2000 2.130.0 0.9 44.5 27.4 79.2 112.3 121.4 94.1 40.4 7.9 0.5 1987 2.075.6 0.9 44.5 207.6 0.9 44.5 207.6 0.9 44.5 207.6 0.9 44.5 207.6 0.9 44.5 207.6 0.9 44.5 207.6 0.9 44.5 207.6 0.9 44.5 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.6 0.0 207.7 84.4 112.6 117.6 107.6 207.8 107.6 107.7 107.6 107.7 107.6 107.7 107.6 107.6 107.7 107.6 107.7 107. | | | | | | | | | | | | |
| 1999 20750 0.9 49.6 28.7 0.0.3 111.0 117.8 89.6 89.3 7.4 0.4 1997 20655 1.0 51.1 30.1 80.3 80.3 7.4 0.4 1996 20620 1.2 54.4 33.8 86.6 0.3 1998 20180 1.3 56.8 36.0 80.1 10.8 81.9 33.7 6.6 0.3 1998 20180 1.4 50.7 37.8 81.1 11.1 11.9 81.9 33.7 6.4 0.3 1992 20650 1.4 60.7 37.8 84.4 117.5 118.2 74.8 22.0 5.2 0.2 13.5 50.0 31.7 74.8 12.8 2.4 4.4 0.2 14.4 57.3 35.6 79.9 11.0 74.4 29.9 5.2 0.2 19.9 14.4 2.4 4.4 0.2 19.9 1.4 0.2 3.9 0.2 19.9 1.4 0.2 1.4 0.2 3.9 0.2 19.9 | | | | | | | | | | | | |
| 1996 2.065.5 1.0 51.1 20.4 82.0 82.0 87.4 7.3 0.4 1995 2.025.5 1.2 52.4 82.0 88.0 112.2 85.3 85.1 7.7 0.4 1995 2.0010 1.2 56.6 88.0 100.4 112.2 85.5 33.7 6.4 0.3 1994 2.036.0 1.4 55.9 37.6 84.2 112.6 115.5 30.0 80.3 20.4 6.0 0.3 1995 2.0710.0 1.4 65.9 37.6 84.4 115.5 110.2 80.8 20.0 6.0 0.3 91.7 5.5 0.2 20.0 1.7 5.5 0.2 20.1 1.4 60.1 3.5 70.0 11.6 71.8 20.1 1.5 1.6 1.2 20.1 1.5 1.1 50.0 31.7 78.6 107.4 10.8 110.7 60.0 22.0 3.0 0.2 1.6 1.2 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 </td <td></td> | | | | | | | | | | | | |
| 1986 2.207.0 1.2 54.4 33.6 86.0 110.4 113.1 83.9 83.3 6.8 0.3 1983 2.2016.0 1.3 58.8 36.0 80.5 112.2 82.5 31.7 6.8 0.3 1983 2.2066.0 1.4 65.7 37.8 92.1 112.5 115.5 80.8 32.2 6.4 0.3 1980 2.2065.0 1.4 65.7 37.8 92.4 115.7 112.2 75.8 22.9 5.2 0.2 1989 2.014.0 1.4 65.7 33.6 79.9 111.6 7.4 22.9 5.2 0.2 1987 1.47.0 1.3 55.0 33.1 77.8 10.63 111.0 C61.1 24.0 4.1 0.2 1983 1.484.0 1.2 55.0 33.0 77.4 10.65 10.7 22.9 3.9 0.2 1984 1.20.5 2.2 3.0 0.2 3.0 0.2 3.0 0.2 3.0 0.2 3.0 0.2 <t< td=""><td>1998</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 1998 | | | | | | | | | | | |
| 1995 | 1997 | | | | | | | | | | | |
| 1994 2,046.0 1.4 56.9 37.6 91.5 11.1 11.9 91.5 33.7 6.4 0.3 1991 2,046.0 1.4 65.7 37.6 91.5 115.2 70.5 32.5 6.5 0.2 1990 2,061.0 1.4 65.9 37.6 84.6 115.5 116.2 70.5 32.5 6.5 0.2 1980 2,061.0 1.4 65.9 37.6 84.8 115.5 112.2 70.5 32.5 7.6 0.2 24.8 0.2 24.8 0.2 24.8 0.2 24.8 0.2 24.9 0.2 24.4 0.2 0.2 14.8 0.2 <td< td=""><td></td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | , | | | | | | | | | | |
| 1933 2,046.0 1.4 6.96. 37.6 92.1 112.6 115.5 80.3 32.9 6.1 0.3 1980 2,061.0 1.4 6.91 37.5 98.4 114.5 117.2 77.4 80.3 32.9 6.1 0.3 1980 2,014.0 1.4 657.3 6.64 64.2 113.5 117.6 77.4 28.9 5.2 0.2 1986 1.904.0 1.3 53.0 33.6 73.8 110.6 71.4 4.4 0.2 1986 1.807.5 1.3 50.0 33.0 77.6 106.3 110.6 67.1 24.0 4.0 0.2 1985 1.804.0 1.2 51.0 31.0 77.6 106.3 106.7 7.0 22.0 3.0 0.2 1985 1.804.0 1.2 51.0 33.2 80.2 115.5 80.2 116.6 106.7 22.0 3.0 0.2 1986 1.804.0 1.2 51.3 32.2 80.0 110.5 64.4 10.0 10.6 | | | | | | | | | | | | |
| 1992 2,065.0 1.4 60.7 378 94.5 114.6 117.4 80.2 32.5 5.9 0.2 1991 2,073.0 1.4 65.3 36.7 84.6 115.5 118.2 67.8 32.7 5.5 0.2 1989 2,070.4 1.4 67.3 36.4 115.5 118.2 67.8 28.7 28.5 0.2 28.4 4.4 0.2 1987 1.872.0 1.3 50.6 31.7 78.5 107.9 111.6 7.1 28.4 4.4 0.2 1984 * 1.867.6 1.2 50.6 31.0 77.4 106.8 108.7 78.1 108.7 64.9 22.0 3.9 0.2 1984 * 1.789.6 1.1 52.4 32.3 78.0 111.8 11.1 64.1 21.0 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 0.2 3.9 <td></td> | | | | | | | | | | | | |
| 1991 2,0730 1.4 62.1 38.7 94.4 115.7 118.2 795.3 32.0 5.5 0.2 1980 2,0810 1.4 62.3 33.6 69.2 113.8 10.2 114.4 74.8 83.4 48.4 10.2 1988 2,094.0 1.3 50.0 31.7 78.5 10.7.4 10.8.8 11.4.4 4.4 4.0 0.2 1988 1.844.0 1.2 50.0 31.0 77.6 11.6.7.4 10.9.8 70.1 24.4 4.1 0.2 1983 1.844.0 1.2 51.0 31.0 77.4 107.8 10.8.5 64.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 22.0 30.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | | | | | |
| 1989 2.014.0 1.4 57.3 36.4 64.2 113.6 17.6 77.4 28.9 5.2 0.2 1986 1.507.5 1.3 55.0 33.6 77.8 110.5 17.4 74.1 28.1 4.4 0.2 1986 1.507.5 1.3 50.0 31.0 77.8 110.8 17.1 6.1 4.4 4.4 0.2 1984 1.806.5 1.2 50.6 31.0 77.4 106.8 110.6 64.1 22.0 3.0 0.2 1984 1.780.7 1.1 52.2 32.0 60.0 112.2 111.5 61.4 40.8 3.0 0.2 1983 1.780.7 1.2 52.3 32.3 81.3 112.8 111.4 60.3 18.9 3.0 0.2 1973 1.780.0 1.2 52.8 32.3 81.3 10.2 10.6 52.3 19.3 3.0 0.2 1974 1.780.0 1.2 52.8 32.3 81.3 10.2 10.7 11.5 54.4 | 1991 | | | | | | | | | | | |
| 1988 | | | | | | | | | | | | |
| 1987 1.872.0 1.3 50.6 31.7 78.5 107.4 109.8 70.1 24.4 4.1 0.2 1986.4 1.490.5 1.2 50.0 31.0 77.4 106.8 100.7 67.0 24.0 4.4 4.1 0.2 3.9 0.2 1.9 1.1 0.5 0.5 3.9 0.2 0.2 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | | | | | | | | | | | | |
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| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | |
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| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1984 ³ | | 1.2 | 50.6 | 31.0 | 77.4 | | | 67.0 | | 3.9 | |
| 19813 | 1983 ³ | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1982 ° | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1901 | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1979 3 | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1978 ³ | | | | | | | | | | | |
| $ \begin{array}{c} 1975 \stackrel{3}{3} & 1,774.0 \\ 1974 \stackrel{3}{3} & 1,635.0 \\ 1873 \stackrel{3}{3} & 1,675.0 \\ 1873 \stackrel{3}{3} & 2,010.5 \\ 11 & 61.6 \\ 2000 & 1.2 \\ 2480.0 \\ 112 \\ 2480.0 \\ 112 \\ 68.3 \\ 81.8 \\ 114.7 \\ 1874 \stackrel{1}{4} & 2,480.0 \\ 112 \\ 2480.0 \\ 2000 & 2,113.5 \\ 2000 & 2,113.5 \\ 2000 & 2,113.5 \\ 2000 & 2,113.5 \\ 2000 & 2,113.5 \\ 2000 & 2,113.5 \\ 2000 & 2,113.5 \\ 2000 & 0.7 \\ 40.3 \\ 2000 & 2,200.0 \\ 2000 & 0.7 \\ 40.3 \\ 40.3 \\ 2000 & 2,200.0 \\ 2000 & 0.7 \\ 40.3 \\ 40.3 \\ 2000 & 0.8 \\ 50.1 \\ 1996 & 2,005.5 \\ 1996 & 0.8 \\ 51.1 \\ 30.7 \\ 81.1 \\ 30.7 \\ 81.1 \\ 30.3 \\ 82.1 \\ 106.2 \\ 116.8 \\ 81.1 \\ 83.5 \\ 108.2 \\ 118.4 \\ 81.4 \\ 82.2 \\ 57. \\ 108.2 \\ 118.4 \\ 81.4 \\ 82.2 \\ 57. \\ 0.2 \\ 1986 \\ 1197 & 77.9 \\ 1982 & 1,982.5 \\ 0.8 \\ 51.1 \\ 30.1 \\ 81.3 \\ 102.1 \\ 106.3 \\ 118.4 \\ 81.4 \\ 82.2 \\ 57. \\ 0.2 \\ 1986 & 1,176.0 \\ 0.6 \\ 42.5 \\ 73.2 \\ 118.4 \\ 81.4 \\ 82.2 \\ 57. \\ 0.2 \\ 1986 & 1,1776.0 \\ 0.6 \\ 42.3 \\ 23.8 \\ 70.1 \\ 100.7 \\ 110.8 \\ 70.9 \\ 23.9 \\ 3.8 \\ 0.2 \\ 1986 & 1,1776.0 \\ 0.6 \\ 42.3 \\ 23.8 \\ 70.1 \\ 102.7 \\ 100.8 \\ 67.3 \\ 22.9 \\ 3.8 \\ 0.2 \\ 118.4 \\ 81.4 \\ 82.5 \\ 73.2 \\ 111.1 \\ 112.3 \\ 81.0 \\ 22. \\ 3.8 \\ 0.2 \\ 118.4 \\ 81.4 \\ 22.5 \\ 7. \\ 0.2 \\ 118.4 \\ 81.4 \\ 82.5 \\ 73.2 \\ 118.4 \\ 81.4 \\ 82.5 \\ 73. \\ 22.9 \\ 4.1 \\ 0.2 \\ 1986 \\ 11776 \\ 0.6 \\ 42.5 \\ 73.2 \\ 111.1 \\ 112.3 \\ 81.0 \\ 112.3 \\ 81.0 \\ 22.9 \\ 3.8 \\ 0.2 \\ 118.4 \\ 81.4 \\ 22.5 \\ 7. \\ 22. \\ 3.8 \\ 0.2 \\ 118.4 \\ 81.4 \\ 102.7 \\ 108.6 \\ 118.4 \\ 81.4 \\ 22. \\ 57. \\ 22. \\ 3.8 \\ 0.2 \\ 118.4 \\ 81.4 \\ 22. \\ 57. \\ 0.2 \\ 22. \\ 3.8 \\ 0.2 \\ 118.4 \\ 81.4 \\ 12.2 \\ 118.4 \\ 81.4 \\ 12.2 \\ 118.4 \\ 81.4 \\ $ | 1977 ³ | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1976 ³ | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | |
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| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1996 | 2,005.5 | 0.8 | 48.1 | 28.4 | 78.4 | 107.2 | 116.1 | 86.3 | 35.6 | 6.7 | 0.3 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | |
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| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1989 | 1,931.0 | 0.7 | 47.9 | 28.1 | 72.9 | 106.9 | 117.8 | 78.1 | 29.7 | 4.9 | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1983 ³ | | | | | | | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1982 ³ | | | | | | | | | | | |
| Black 2001 2,123.5 2.2 73.2 45.6 113.2 138.3 104.1 67.0 32.2 7.3 0.4 2000 2,193.0 2.4 79.4 50.4 121.3 144.2 105.3 67.5 32.2 7.2 0.4 1999 2,146.5 2.6 81.0 52.0 122.8 141.7 101.9 64.5 30.8 6.5 0.3 1998 2,171.0 2.9 85.4 56.8 126.9 141.9 101.8 64.7 30.5 6.7 0.3 1996 2,144.0 3.6 91.4 64.7 132.5 136.8 98.2 63.3 29.1 6.1 0.3 1995 2,175.0 4.2 96.1 69.7 137.1 137.1 98.6 64.0 28.7 6.0 0.3 1994 2,300.0 4.6 104.5 76.3 148.3 146.0 104.0 65.8 28.9 5.9 0.3 <t< td=""><td>1981 ³</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 1981 ³ | | | | | | | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1980 9 | 1,773.0 | 0.6 | 45.4 | 25.5 | 73.2 | 111.1 | 113.8 | 61.2 | 18.8 | 3.5 | 0.2 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 0 100 5 | 2.2 | 72.0 | 15 6 | 112.0 | 100.0 | 104.1 | 67.0 | 20.0 | 7.0 | 0.4 |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1995 | | | | | | | | | | | |
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| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1990 | | | | | | | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1989 | 2,432.5 | 5.1 | 111.5 | 81.9 | 151.9 | 156.8 | 114.4 | 66.3 | 26.7 | 5.4 | 0.3 |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1988 | | | | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1987 | | | | | | | | | | | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1985 | | | | | | | | | | | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1984 ³ | | | | | | | | | | | |
| 1982 ³ | 1983 ³ | 2,066.0 | | | | | | | | | | |
| 1981 ³ 2,117.5 4.0 94.5 69.3 131.0 136.5 102.3 57.4 23.1 5.4 0.3 1980 ³ | 1982 ³ | 2,106.5 | 4.0 | 94.3 | 69.7 | | 135.4 | 101.3 | 57.5 | 23.3 | 5.1 | 0.4 |
| 1980 2,176.5 4.3 97.8 72.5 135.1 140.0 103.9 59.9 23.5 5.6 0.3 | 1981 ³ | | | | | | | | | | | |
| | 1980 ° | 2,176.5 | 4.3 | 97.8 | 72.5 | 135.1 | 140.0 | 103.9 | 59.9 | 23.5 | 5.6 | 0.3 |

Table 4. Total fertility rates and birth rates by age of mother: United States, 1970-2001, and by age and race of mother: United States, 1980-2001 -- 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 1970, 1980, and 1990, and estimated as of July 1 for all other years]

| | | | | | | Age of | mother | | | | |
|------------------------------|--------------------|------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------------|
| Year and race | Total fertility | 10-14 | | 15-19 years | | 20-24 | 25-29 | 30-34 | 25.20 | 40-44 | 45-49 |
| | rate | years | Total | 15-17 years | 18-19 years | years | years | years | 35-39 years | years | years ¹ |
| American Indian ⁵ | | | | | | | | | | | |
| 2001 | 2,074.5 | 1.2 | 66.0 | 36.7 | 111.9 | 134.0 | 105.4 | 68.0 | 32.5 | 7.4 | 0.4 |
| 2000 | 2,100.5 | 1.3 | 67.8 | 39.6 | 113.1 | 135.6 | 106.9 | 68.3 | 32.5 | 7.3 | 0.4 |
| 1999 | 2,056.5 | 1.6 | 67.8 | 41.4 | 110.6 | 137.1 | 102.4 | 64.3 | 30.7 | 7.1 | 0.3 |
| 1998 | 2,090.5 | 1.6 | 72.1 | 44.4 | 118.4 | 139.3 | 102.2 | 66.3 | 30.2 | 6.4 | * |
| 1997 | 2,047.5 | 1.7 | 71.8 | 45.3 | 117.6 | 134.9 | 100.8 | 64.2 | 29.3 | 6.4 | 0.4 |
| 1996 | 2,030.0 | 1.7 | 73.9 | 46.4 | 122.3 | 133.9 | 98.5 | 63.2 | 28.5 | 6.3 | ÷ |
| 1995 | 2,033.5 | 1.8 | 78.0 | 47.8 | 130.7 | 132.5 | 98.4 | 62.2 | 27.7 | 6.1 | 0.4 |
| 1994 1993 | 2,080.0 2,141.0 | 1.9 1.4 | 80.8 83.1 | 51.3 53.7 | 130.3 130.7 | 134.2 139.8 | 104.1 107.6 | 61.2 62.8 | 27.5 27.6 | 5.9 5.9 | 0.4 * |
| 1993 | 2,141.0 | 1.4 | 83.1 84.4 | 53.7 53.8 | 130.7 | 139.8 | 107.6 | 62.8 63.0 | 27.6 | 5.9 6.1 | * |
| 1992 | 2,190.0 | 1.6 | 85.0 | 52.7 | 132.0 | 145.5 | 109.4 | 61.9 | 20.0 | 5.9 | 0.4 |
| 1990 | 2,183.0 | 1.6 | 81.1 | 48.5 | 129.3 | 148.7 | 110.3 | 61.5 | 27.5 | 5.9 | * |
| 1989 | 2.247.0 | 1.5 | 82.7 | 51.6 | 128.9 | 152.4 | 114.2 | 64.8 | 27.4 | 6.4 | * |
| 1988 | 2.153.5 | 1.7 | 77.5 | 49.7 | 121.1 | 145.2 | 110.9 | 64.5 | 25.6 | 5.3 | * |
| 1987 | 2,099.0 | 1.7 | 77.2 | 48.8 | 122.2 | 140.0 | 107.9 | 63.0 | 24.4 | 5.6 | * |
| 1986 | 2,082.0 | 1.8 | 78.1 | 48.7 | 125.3 | 138.8 | 107.9 | 60.7 | 23.8 | 5.3 | * |
| 1985 | 2,128.0 | 1.7 | 79.2 | 47.7 | 124.1 | 139.1 | 109.6 | 62.6 | 27.4 | 6.0 | * |
| 1984 ³ | 2,136.0 | 1.7 | 81.5 | 50.7 | 124.7 | 142.4 | 109.2 | 60.5 | 26.3 | 5.6 | * |
| 1983 ³ | 2,180.5 | 1.9 | 84.2 | 55.2 | 121.4 | 145.5 | 113.7 | 58.9 | 25.5 | 6.4 | * |
| 1982 ³ | 2,213.0 | 1.4 | 83.5 | 52.6 | 127.6 | 148.1 | 115.8 | 60.9 | 26.9 | 6.0 | * |
| 1981 ³ | 2,090.0 | 2.1 | 78.4 | 49.7 | 121.5 | 141.2 | 105.6 | 58.9 | 25.2 | 6.6 | * |
| 1980 ³ | 2,162.5 | 1.9 | 82.2 | 51.5 | 129.5 | 143.7 | 106.6 | 61.8 | 28.1 | 8.2 | * |
| Asian or Pacific | | | | | | | | | | | |
| Islander | 2,035.5 | 0.0 | 00.4 | 10.0 | 05.0 | 70.1 | 105 5 | 110.0 | 50.0 | 10 5 | 0.0 |
| 2001 | 2,035.5 2,072.5 | 0.2 0.3 | 20.4 21.6 | 10.2 11.5 | 35.6 37.0 | 70.1 72.0 | 125.5 125.8 | 118.3 120.8 | 59.2 60.4 | 12.5 12.7 | 0.9 0.9 |
| 1999 | 2,072.5 | 0.3 | 21.0 | 12.3 | 37.0 | 72.0 | 125.6 | 120.8 | 54.6 | 12.7 | 0.9 |
| 1998 | 1,867.5 | 0.3 | 23.1 | 13.8 | 38.3 | 68.8 | 110.4 | 105.1 | 52.8 | 12.0 | 0.9 |
| 1997 | 1,925.5 | 0.5 | 23.7 | 14.3 | 39.3 | 70.5 | 113.2 | 110.3 | 54.1 | 11.9 | 0.9 |
| 1996 | 1,907.5 | 0.6 | 24.6 | 14.9 | 40.4 | 70.7 | 111.2 | 109.2 | 52.2 | 12.2 | 0.8 |
| 1995 | 1,924.0 | 0.7 | 26.1 | 15.4 | 43.4 | 72.4 | 113.4 | 106.9 | 52.4 | 12.1 | 0.8 |
| 1994 | 1,943.0 | 0.7 | 27.1 | 16.1 | 44.1 | 73.1 | 118.6 | 105.2 | 51.3 | 11.6 | 1.0 |
| 1993 | 1,935.5 | 0.6 | 27.0 | 16.0 | 43.3 | 73.3 | 119.9 | 103.9 | 50.2 | 11.3 | 0.9 |
| 1992 | 1,942.0 | 0.7 | 26.6 | 15.2 | 43.1 | 74.6 | 121.0 | 103.0 | 50.6 | 11.0 | 0.9 |
| 1991 | 1,956.0 | 0.8 | 27.4 | 16.1 | 43.1 | 75.2 | 123.2 | 103.3 | 49.0 | 11.2 | 1.1 |
| 1990 | 2,002.5 | 0.7 | 26.4 | 16.0 | 40.2 | 79.2 | 126.3 | 106.5 | 49.6 | 10.7 | 1.1 |
| 1989 | 1,947.5 | 0.6 | 25.6 | 15.0 | 40.4 | 78.8 | 124.0 | 102.3 | 47.0 | 10.2 | 1.0 |
| 1988 | 1,983.5 | 0.6 | 24.2 | 13.6 | 39.6 | 80.7 | 128.0 | 104.4 | 47.5 | 10.3 | 1.0 |
| 1987 | 1,886.0 | 0.6 | 22.4 | 12.6 | 37.0 | 79.7 | 122.7 | 97.0 | 44.2 | 9.5 | 1.1 |
| 1986 1985 | 1,836.0 1,885.0 | 0.5 0.4 | 22.8 23.8 | 12.1 12.5 | 38.8 40.8 | 79.2 83.6 | 119.9 123.0 | 92.6 93.6 | 41.9 42.7 | 9.3 8.7 | 1.0 1.2 |
| 1985 1984 ³ | 1,885.0 | 0.4 0.5 | 23.8 | 12.5 | 40.8 40.7 | 83.6 86.7 | 123.0 | 93.6 92.4 | 42.7 40.6 | 8.7 8.7 | 1.2 |
| 1983 ³ | 1,892.0 | 0.5 | 24.2 | 12.0 | 40.7 | 94.0 | 124.3 | 92.4 93.3 | 40.8 39.4 | 8.2 | 1.0 |
| 1982 ³ | 2,015.5 | 0.5 | 20.1 | 14.0 | 50.8 | 94.0 98.9 | 130.9 | 93.3 | 39.4 | 8.8 | 1.0 |
| 1981 ³ | 1,976.0 | 0.4 | 28.5 | 13.4 | 49.5 | 96.4 | 129.1 | 93.4 | 38.0 | 8.6 | 0.9 |
| 1980 ³ | 1.953.5 | 0.3 | 26.2 | 12.0 | 46.2 | 93.3 | 127.4 | 96.0 | 38.3 | 8.5 | 0.7 |
| | ., | 0.0 | -0.2 | .2.0 | 10.2 | 50.0 | / | 50.0 | 55.5 | 0.0 | 0.7 |

Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.
Beginning 1997, rates computed by relating births to women aged 45-54 years to women aged 45-49 years.
For 1970-91 includes births to races not shown separately.
Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.
Based on a 50-percent sample of births.
Includes births to Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S. Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 5. Fertility rates and birth rates by live-birth order and race of mother: United States, 1980-2001

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

| | Fertility | | | | Live-birth order | | | |
|--|--------------|--------------|--------------|--------------|------------------|------------|------------|------------|
| Year and race of mother | rate | 1 | 2 | 3 | 4 | 5 | 6 and 7 | 8 and over |
| All races ¹ | | | | | | | | |
| 2001 | 66.9 | 26.6 | 21.8 | 11.3 | 4.4 | 1.6 | 0.9 | 0.3 |
| 2000 | 67.5 | 27.1 | 21.9 | 11.3 | 4.3 | 1.6 | 0.9 | 0.3 |
| 1999 | 65.9 | 26.6 | 21.5 | 10.9 | 4.2 | 1.5 | 0.9 | 0.3 |
| 1998 | | 26.4 | 21.4 | 10.8 | 4.2 | 1.5 | 0.9 | 0.3 |
| 1997 | | 26.5 | 21.1 | 10.6 | 4.1 | 1.5 | 0.9 | 0.3 |
| 1996 | | 26.8 | 21.1 | 10.5 | 4.1 | 1.5 | 0.9 | 0.3 |
| 1995 | | 27.3 | 21.1 | 10.5 | 4.0 | 1.5 | 0.9 | 0.3 |
| 1994 1993 | | 27.5 27.5 | 21.5 21.9 | 10.7 11.0 | 4.2 4.3 | 1.6 1.6 | 1.0 1.0 | 0.3 0.3 |
| 1992 | | 27.8 | 22.3 | 11.3 | 4.4 | 1.7 | 1.0 | 0.3 |
| 1991 | | 28.3 | 22.4 | 11.4 | 4.5 | 1.7 | 1.0 | 0.3 |
| 1990 | | 29.0 | 22.8 | 11.7 | 4.5 | 1.7 | 1.0 | 0.3 |
| 1989 | | 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 | | 27.2 | 21.6 | 10.3 | 3.8 | 1.4 | 0.8 | 0.3 |
| 1985 | | 27.6 | 22.0 | 10.4 | 3.8 | 1.4 | 0.8 | 0.3 |
| 1984 ² | 65.5 | 27.4 | 21.7 | 10.1 | 3.7 | 1.4 | 0.9 | 0.3 |
| 1983 ² | 65.7 | 27.8 | 21.5 | 10.1 | 3.7 | 1.4 | 0.9 | 0.3 |
| 1982 ² | 67.3 67.3 | 28.6 29.0 | 22.0 21.6 | 10.2 10.1 | 3.8 3.8 | 1.4 1.5 | 0.9 0.9 | 0.3 0.4 |
| 1981 ² 1980 ² | 68.4 | 29.0 | 21.8 | 10.3 | 3.9 | 1.5 | 1.0 | 0.4 |
| White | 00.0 | 00.4 | <u> </u> | 44.0 | 1.0 | | | |
| 2001 | | 26.4 | 22.0 | 11.2 | 4.2 | 1.4 | 0.8 | 0.3 |
| 2000 1999 | | 26.8 26.4 | 21.9 21.6 | 11.2 10.8 | 4.1 4.0 | 1.4 1.4 | 0.8 0.8 | 0.3 0.2 |
| 1998 | | 26.1 | 21.5 | 10.7 | 3.9 | 1.4 | 0.8 | 0.2 |
| 1997 | | 26.2 | 21.2 | 10.4 | 3.8 | 1.3 | 0.8 | 0.2 |
| 1996 | | 26.6 | 21.2 | 10.4 | 3.8 | 1.3 | 0.8 | 0.2 |
| 1995 | | 26.9 | 21.1 | 10.3 | 3.8 | 1.3 | 0.7 | 0.2 |
| 1994 | | 27.0 | 21.4 | 10.4 | 3.8 | 1.3 | 0.8 | 0.2 |
| 1993 | 65.4 | 27.0 | 21.7 | 10.5 | 3.9 | 1.4 | 0.8 | 0.2 |
| 1992 | 66.5 | 27.3 | 22.0 | 10.8 | 4.0 | 1.4 | 0.8 | 0.2 |
| 1991 | | 27.8 | 22.0 | 10.8 | 4.0 | 1.4 | 0.8 | 0.2 |
| 1990 | | 28.4 | 22.4 | 11.1 | 4.0 | 1.4 | 0.8 | 0.2 |
| 1989 | | 27.6 | 21.9 | 10.7 | 3.8 | 1.3 | 0.7 | 0.2 |
| 1988 | | 26.8 | 21.6 | 10.4 | 3.6 | 1.2 | 0.7 | 0.2 |
| 1987 1986 | | 26.5 26.6 | 21.3 21.3 | 10.0 9.8 | 3.5 3.4 | 1.2 1.2 | 0.7 0.7 | 0.2 0.2 |
| 1985 | | 20.0 | 21.3 | 9.8 9.9 | 3.4 | 1.2 | 0.7 | 0.2 |
| 1985 | | 26.8 | 21.0 | 9.6 | 3.3 | 1.2 | 0.7 | 0.2 |
| 1983 ² | 63.4 | 27.2 | 21.2 | 9.5 | 3.3 | 1.2 | 0.7 | 0.2 |
| 1982 ² | 64.8 | 28.0 | 21.6 | 9.6 | 3.4 | 1.2 | 0.7 | 0.3 |
| 1981 ² | | 28.4 | 21.1 | 9.5 | 3.4 | 1.2 | 0.8 | 0.3 |
| 1980 ² | | 28.8 | 21.3 | 9.6 | 3.4 | 1.3 | 0.8 | 0.3 |
| Black 2001 | 69.5 | 26.1 | 20.5 | 12.4 | 5.8 | 2.5 | 1.6 | 0.5 |
| 2001 | | 26.9 | 20.5 | 12.4 | 5.9 | 2.5 | 1.0 | 0.6 |
| 1999 | | 26.5 | 20.9 | 12.0 | 5.7 | 2.5 | 1.7 | 0.6 |
| 1998 | | 27.0 | 21.1 | 12.3 | 5.7 | 2.6 | 1.7 | 0.6 |
| 1997 | | 27.3 | 20.7 | 12.1 | 5.7 | 2.5 | 1.8 | 0.6 |
| 1996 | | 27.6 | 20.5 | 12.0 | 5.6 | 2.6 | 1.8 | 0.6 |
| 1995 | 72.3 | 28.7 | 20.7 | 12.0 | 5.7 | 2.6 | 1.8 | 0.6 |
| 1994 | | 29.8 | 22.2 | 13.1 | 6.3 | 2.9 | 2.0 | 0.6 |
| 1993 | | 30.2 | 23.4 | 14.1 | 6.9 | 3.1 | 2.2 | 0.7 |
| 1992 | | 30.6 | 24.3 | 15.0 | 7.2 | 3.3 | 2.2 | 0.6 |
| 1991 | | 31.5 | 25.0 | 15.4 | 7.4 | 3.3 | 2.1 | 0.6 |
| 1990 | | 32.4 | 25.6 | 15.6 | 7.4 | 3.2 | 2.0 | 0.6 |
| 1989 | | 32.9 | 25.4 | 15.3 | 7.1 | 3.0 | 1.9 | 0.6 |
| 1988 1987 | | 31.8 31.2 | 24.6 23.8 | 14.4 13.9 | 6.6 6.3 | 2.8 2.7 | 1.8 1.7 | 0.5 0.5 |
| 1987 | | 31.0 | 23.6 | 13.5 | 6.1 | 2.7 | 1.7 | 0.5 |
| 1985 | | 31.0 | 23.4 | 13.4 | 6.1 | 2.6 | 1.7 | 0.5 |
| 1985 | | 30.9 | 23.4 | 13.2 | 6.0 | 2.6 | 1.7 | 0.6 |
| 1983 ² | 78.7 | 31.1 | 23.1 | 13.2 | 6.1 | 2.0 | 1.8 | 0.6 |
| 1982 ² | 80.9 | 31.7 | 23.9 | 13.8 | 6.3 | 2.7 | 1.8 | 0.7 |
| | 2010 | | | | | | | |
| 1981 ² | 82.0 | 32.3 | 24.2 | 13.7 | 6.3 | 2.8 | 1.9 | 0.8 |

Includes races other than white and black.
 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S. Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 6. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-2001

[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]

| | - | | | Hispa | anic | | | 1 | Non-Hispanic | |
|--|-----------------------------|---------|---------|-----------------|--------|----------------------------------|----------------------------------|--------------------|--------------|---------|
| Measure and year | All origins ¹ | Total | Mexican | Puerto Rican | Cuban | Central and South American | Other and unknown Hispanic | Total ² | White | Black |
| Number | | | | | | | | | | |
| 2001 | 4,025,933 | 851,851 | 611,000 | 57,568 | 14,017 | 121,365 | 47,901 | 3,149,572 | 2,326,578 | 589,917 |
| 2000 | 4,058,814 | 815,868 | 581,915 | 58,124 | 13,429 | 113,344 | 49,056 | 3,199,994 | 2,362,968 | 604,346 |
| 1999 | 3,959,417 | 764,339 | 540,674 | 57,138 | 13,088 | 103,307 | 50,132 | 3,147,580 | 2,346,450 | 588,981 |
| 1998 | 3,941,553 | 734,661 | 516,011 | 57,349 | 13,226 | 98,226 | 49,849 | 3,158,975 | 2,361,462 | 593,127 |
| 1997 | 3,880,894 | 709,767 | 499,024 | 55,450 | 12,887 | 97,405 | 45,001 | 3,115,174 | 2,333,363 | 581,431 |
| 1996 | 3,891,494 | 701,339 | 489,666 | 54,863 | 12,613 | 97,888 | 46,309 | 3,133,484 | 2,358,989 | 578,099 |
| 1995 | 3,899,589 | 679,768 | 469,615 | 54,824 | 12,473 | 94,996 | 47,860 | 3,160,495 | 2,382,638 | 587,781 |
| 1994 | 3,952,767 | 665,026 | 454,536 | 57,240 | 11,889 | 93,485 | 47,876 | 3,245,115 | 2,438,855 | 619,198 |
| 1993 | 4,000,240 | 654,418 | 443,733 | 58,102 | 11,916 | 92,371 | 48,296 | 3,295,345 | 2,472,031 | 641,273 |
| 1992 ³ | 4,049,024 | 643,271 | 432,047 | 59,569 | 11,472 | 89,031 | 51,152 | 3,365,862 | 2,527,207 | 657,450 |
| 1991 ³ | 4,094,566 | 623,085 | 411,233 | 59,833 | 11,058 | 86,908 | 54,053 | 3,434,464 | 2,589,878 | 666,758 |
| 1990 4 | 4,092,994 | 595,073 | 385,640 | 58,807 | 11,311 | 83,008 | 56,307 | 3,457,417 | 2,626,500 | 661,701 |
| 1989 ⁵ | 3,903,012 | 532,249 | 327,233 | 56,229 | 10,842 | 72,443 | 65,502 | 3,297,493 | 2,526,367 | 611,269 |
| Birth rate | | | | | | | | | | |
| 2001 | 14.5 | 25.4 | | | | | | 13.0 | 11.9 | 17.5 |
| 2000 ⁶ | 14.7 | 25.1 | 27.1 | 20.2 | 10.4 | 23.9 | | 13.4 | 12.2 | 18.1 |
| 1999 ⁶ | 14.5 | 24.4 | 26.4 | 19.4 | 9.7 | 23.4 | | 13.2 | 12.2 | 17.9 |
| 1998 ⁶ | 14.6 | 24.3 | 26.4 | 19.0 | 10.0 | 23.2 | | 13.4 | 12.3 | 18.2 |
| 1997 ⁶ | 14.5 | 24.2 | 26.8 | 18.1 | 10.1 | 22.4 | | 13.3 | 12.2 | 18.1 |
| 1996 ⁶ | 14.7 | 24.8 | 27.4 | 17.9 | 10.7 | 23.4 | | 13.5 | 12.4 | 18.3 |
| 1995 ⁶ | 14.8 | 25.2 | 26.9 | 19.7 | 11.0 | 25.3 | | 13.7 | 12.6 | 18.8 |
| 1994 ⁶ | 15.2 | 25.5 | 27.0 | 21.4 | 10.8 | 25.7 | | 14.0 | 12.8 | 20.0 |
| 1994 ⁶ 1993 ⁶ 1992 ⁶ , ⁷ | 15.5 | 26.0 | 27.4 | 21.9 | 10.5 | 26.9 | | 14.4 | 13.1 | 21.1 |
| 1992 °, 7 | 15.9 | 26.5 | 27.8 | 23.2 | 10.1 | 27.9 | | 14.8 | 13.5 | 21.9 |
| 1991 0, 7 | 16.3 | 26.7 | 29.2 | 21.0 | 10.1 | 26.5 | | 15.2 | 13.9 | 22.5 |
| 1990 4, 6 | 16.7 | 26.7 | 28.7 | 21.6 | 10.9 | 27.5 | | 15.7 | 14.4 | 23.0 |
| 1989 5, 6 | 16.3 | 26.2 | 25.7 | 23.7 | 10.0 | 28.3 | | 15.4 | 14.2 | 22.8 |
| Fertility rate | ~~~~ | 407.0 | | | | | | | | 74.0 |
| 2001 | 66.9 | 107.6 | | | | | | 60.8 | 57.6 | 71.6 |
| 2000 ⁶ | 67.5 | 105.9 | 115.1 | 84.3 | 57.3 | 94.3 | | 61.8 | 58.5 | 73.7 |
| 1999 6 | 65.9 | 102.0 | 111.6 | 77.7 | 51.2 | 92.6 | | 60.7 | 57.8 | 72.2 |
| 1998 ⁶ | 65.6 | 101.1 | 112.1 | 75.5 | 50.1 | 90.2 | | 60.7 | 57.7 | 73.0 |
| 1997 ⁶ | 65.0 | 102.8 | 116.6 | 71.7 | 57.4 | 87.6 | | 60.1 | 57.0 | 72.4 |
| 1996 ⁶ | 65.3 | 104.9 | 119.3 | 71.3 | 58.9 | 90.2 | | 60.3 | 57.3 | 72.5 |
| 1995 6 | 65.6 | 105.0 | 117.0 | 75.7 | 55.1 | 94.5 | | 60.8 | 57.6 | 74.5 |
| 1994 ⁶ | 66.7 | 105.6 | 115.4 | 81.9 | 55.9 | 97.7 | | 62.0 | 58.3 | 79.0 |
| 1994 ⁶ 1993 ⁶ 1992 ^{6, 7} | 67.6 | 106.9 | 114.8 | 82.5 | 55.5 | 105.0 | | 63.1 | 59.0 | 82.7 |
| 1992 9, 7 | 68.9 | 108.6 | 116.0 | 89.9 | 50.3 | 107.0 | | 64.4 | 60.2 | 85.5 |
| 1991 ^{6, 7} | 69.6 | 108.1 | 121.6 | 80.9 | 49.1 | 99.3 | | 65.4 | 61.0 | 87.6 |
| 1990 ^{4, 6} 1989 ^{5, 6} | 71.0 | 107.7 | 118.9 | 82.9 | 52.6 | 102.7 | | 67.1 | 62.8 | 89.0 |
| 1989 ^{5, 6} | 69.2 | 104.9 | 106.6 | 86.6 | 49.8 | 95.8 | | 65.7 | 60.5 | 84.8 |

Data not available. 1

2

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

3 4

5 6

Excludes data for New Hampshire, which did not report Hispanic origin. Excludes data for New Hampshire, which did not report Hispanic origin. Excludes data for New Hampshire, and Oklahoma, which did not report Hispanic origin. Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin. Rates for the Central and South American population includes other and unknown Hispanic. 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. 7

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see Technical notes. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S.Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2001

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

| | | | | | | | Aç | ge of mothe | er | | | | | | |
|--|--------------------|----------|------------------|-------------|-------------|--------------|----------------|-----------------|------------------|------------------|------------------|------------------|----------------|------------|--------|
| Live-birth order and origin of mother | All ages | Under | | | 15-19 y | /ears | | | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 |
| engin et meuter | agee | 15 years | Total | 15 years | 16 years | 17 years | 18 years | 19 years | years | years | years | years | years | years | years |
| Hispanic | | | | | | | | | | | | | | | |
| Total | 851,851 | 2,555 | 130,007 | 6,936 | 15,165 | 25,023 | 36,298 | 46,585 | 258,431 | 227,910 | 150,352 | 67,952 | 13,956 | 668 | 20 |
| 1st child | 312,530 | 2,493 | 98,662 25,612 | 6,544 | 13,640 | 20,629 | 26,920 | 30,929 | 111,378 | 59,595 | 28,502 | 10,048 | 1,760 | 84 | 8 |
| 2d child 3d child | 260,316 160,289 | 46 1 | 4,226 | 319 11 | 1,311 84 | 3,799 370 | 7,868 1,141 | 12,315 2,620 | 92,641 38,772 | 78,564 55,331 | 44,356 40,904 | 16,368 17,833 | 2,620 3,103 | 105 117 | 4 2 |
| 4th child | 69,904 | 2 | 531 | 1 | 5 | 22 | 101 | 402 | 11,126 | 22,573 | 21,576 | 11,531 | 2,474 | 91 | - |
| 5th child | 26,556 | - | 62 | 2 | - | 5 | 12 | 43 | 2,559 | 7,460 | 8,697 | 6,070 | 1,618 | 89 | 1 |
| 6th child 7th child | 10,381 4,378 | | 3 | | | | 1 | 2 | 571 119 | 2,323 792 | 3,415 1,400 | 3,026 1,457 | 985 569 | 55 40 | 3 |
| 8th child and over | 3,703 | - | 1 | - | - | - | - | 1 | 49 | 391 | 981 | 1,405 | 789 | 86 | 1 |
| Not stated | 3,794 | 13 | 910 | 59 | 125 | 198 | 255 | 273 | 1,216 | 881 | 521 | 214 | 38 | 1 | - |
| Mexican | 611,000 | 1,920 | 98,806 | 5,312 | 11,660 | 19,126 | 27,565 | 35,143 | 192,167 | 165,177 | 101,213 | 42,707 | 8,600 | 401 | 9 |
| 1st child | 216,639 | 1,870 | 74,306 | 4,996 | 10,418 | 15,642 | 20,215 | 23,035 | 80,215 | 38,807 | 15,666 | 4,940 | 800 | 32 | 3 |
| 2d child | 183,757 | 35 | 19,910 | 250 9 | 1,054 | 2,970 | 6,139 | 9,497 | 70,170 | 56,692 | 27,268 | 8,389 | 1,254 | 38 53 | 1 |
| 3d child 4th child | 118,713 53,632 | 1 | 3,299 407 | 9 | 66 5 | 299 20 | 888 78 | 2,037 303 | 29,769 8,436 | 42,739 17,745 | 29,725 16,823 | 11,393 8,487 | 1,734 1,671 | 53 62 | - |
| 5th child | 20,598 | - | 44 | 2 | - | 4 | 8 | 30 | 1,998 | 5,776 | 6,786 | 4,670 | 1,252 | 71 | 1 |
| 6th child | 8,080 | - | 3 | - | - | - | 1 | 2 | 429 | 1,779 | 2,652 | 2,402 | 769 | 43 | 3 |
| 7th child | 3,494 | - | - | - | - | - | - | - | 92 | 618 | 1,124 | 1,177 | 452 | 31 | - |
| 8th child and over Not stated | 2,932 3,155 | - 13 | 1 836 | - 54 | - 117 | - 191 | - 236 | 1 238 | 38 1,020 | 296 725 | 784 385 | 1,095 154 | 646 22 | 71 | 1 |
| Puerto Rican | 57,568 | 257 | 10,799 | 598 | 1,262 | 2,161 | 3,006 | 3,772 | 18,669 | 13,426 | 9,275 | 4,254 | 850 | 37 | 1 |
| | 22,391 | 253 | 8,279 | 571 | | 1,830 | 2,262 | 2,456 | 7,278 | 3,477 | 2,139 | 811 | 145 | 8 | 1 |
| 1st child 2d child | 17,916 | 253 | 2,064 | 25 | 1,160 94 | 305 | 629 | 1,011 | 6,747 | 4,506 | 3,104 | 1,263 | 219 | 9 | - |
| 3d child | 10,026 | - | 381 | - | 5 | 25 | 102 | 249 | 3,187 | 3,116 | 2,131 | 1,023 | 182 | ő | - |
| 4th child | 4,184 | - | 45 | - | - | - | 4 | 41 | 1,067 | 1,379 | 973 | 570 | 143 | 7 | - |
| 5th child | 1,690 | - | 8 | - | - | - | 3 | 5 | 255 | 572 | 510 | 281 | 62 | 2 | - |
| 6th child | 704 | - | - | - | - | - | - | - | 75 | 235 | 215 | 135 | 44 | - | - |
| 7th child 8th child and over | 259 268 | - | - | - | - | - | - | - | 11 7 | 76 43 | 97 82 | 58 100 | 17 32 | - 4 | - |
| Not stated | 130 | - | 22 | 2 | 3 | - 1 | 6 | 10 | 42 | 43 | 24 | 13 | 6 | 4 | - |
| Cuban | 14,017 | 18 | 1,031 | 53 | 109 | 201 | 315 | 353 | 2,408 | 4,047 | 3,821 | 2,253 | 409 | 23 | 7 |
| 1st child | 6,269 | 18 | 850 | 51 | 99 | 179 | 253 | 268 | 1,405 | 1,948 | 1,337 | 594 | 109 | 6 | 2 |
| 2d child | 5,123 | - | 162 | 2 | 10 | 20 | 55 | 75 | 743 | 1,504 | 1,654 | 918 | 131 | 8 | 3 |
| 3d child | 1,867 498 | - | 16 | - | - | 2 | 7 | 7 | 192 51 | 447 94 | 598 | 511 140 | 97 | 5 | 1 |
| 4th child 5th child | 490 | - | 2 | - | - | - | | 2 | 13 | 94 29 | 166 44 | 51 | 43 14 | 2 | - |
| 6th child | 52 | - | - | - | - | - | - | - | 3 | 18 | 12 | 16 | 2 | 1 | - |
| 7th child | 21 | - | - | - | - | - | - | - | 1 | 2 | 4 | 8 | 5 | - | 1 |
| 8th child and over | 28 | - | - | - | - | - | - | - | - | 2 | 3 | 14 | 8 | 1 | - |
| Not stated | 8 | - | 1 | - | - | - | - | 1 | - | 3 | 3 | 1 | - | - | - |
| Central and South American | 121,365 | 166 | 11,271 | 483 | 1,136 | 1,971 | 3,169 | 4,512 | 30,715 | 33,621 | 27,488 | 14,641 | 3,279 | 181 | 3 |
| 1st child | 48,307 | 162 | 9,087 | 464 | 1,060 | 1,690 | 2,546 | 3,327 | 16,285 | 12,021 | 7,218 | 2,925 | 575 | 32 | 2 |
| 2d child | 38,628 | 3 | 1,872 | 16 | 67 | 255 | 553 | 981 | 9,927 | 11,880 | 9,526 | 4,563 | 813 | 44 | - |
| 3d child | 21,202 | - | 249 | - | 8 | 22 | 59 | 160 | 3,344 | 6,375 | 6,436 | 3,858 | 889 | 50 | 1 |
| 4th child | 8,163 | 1 | 39 | - | - | 1 | 8 | 30 | 877 | 2,268 | 2,687 | 1,785 | 491 | 15 | - |
| 5th child | 2,895 1,133 | - | 5 | | - | 1 | 1 | 3 | 147 44 | 708 199 | 978 391 | 814 363 | 230 126 | 13 10 | - |
| 6th child 7th child | 416 | | - | - | - | - | - | - | 44 6 | 53 | 109 | 163 | 77 | 8 | - |
| 8th child and over | 320 | - | - | - | - | - | - | - | 2 | 32 | 69 | 135 | 73 | 9 | - |
| Not stated | 301 | - | 19 | 3 | 1 | 2 | 2 | 11 | 83 | 85 | 74 | 35 | 5 | - | - |
| Other and unknown Hispanic | 47,901 | 194 | 8,100 | 490 | 998 | 1,564 | 2,243 | 2,805 | 14,472 | 11,639 | 8,555 | 4,097 | 818 | 26 | - |
| 1st child | | 190 | 6,140 | 462 | 903 | | 1,644 | | | 3,342 | 2,142 | 778 | 131 | 6 | |
| 2d child | 18,924 14,892 | 190 | 1,604 | 462 | 903 86 | 1,288 249 | 492 | 1,843 751 | 6,195 5,054 | 3,342 | 2,142 | 1,235 | 203 | 6 | - |
| 3d child | 8,481 | - | 281 | 2 | 5 | 22 | 85 | 167 | 2,280 | 2,654 | 2,014 | 1,048 | 201 | 3 | - |
| 4th child | 3,427 | - | 38 | - | - | 1 | 11 | 26 | 695 | 1,087 | 927 | 549 | 126 | 5 | - |
| 5th child | 1,222 | - | 5 | - | - | - | - | 5 | 146 | 375 | 379 | 254 | 60 | 3 | - |
| 6th child | 412 | | - | - | - | - | - | | 20 | 92 | 145 | 110 | 44 | 1 | - |
| 7th child 8th child and over | 188 155 | - | - | - | - | - | - | | 9 2 | 43 18 | 66 43 | 51 61 | 18 30 | 1 | - |
| Not stated | 200 | - | 32 | - | 4 | 4 | 11 | 13 | 71 | 46 | 35 | 11 | 5 | - | - |
| | 200 | - | 02 | - | 7 | 7 | | 10 | 11 | -0 | 00 | | 5 | - | - |

See footnotes at end of table.

Table 7. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2001 -- Con.

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

| | | | | | | | A | ge of mothe | er | | | | | | |
|---|---|---------------------------------------|--|--|---|---|--|--|---|---|---|---|--|---|-------------------------------------|
| Live-birth order and | All | Under | | | 15-19 | years | | | 20-24 | 25-29 | 30-34 | 35-39 | 40.44 | 45 40 | 50 54 |
| origin of mother | ages | 15 years | Total | 15 years | 16 years | 17 years | 18 years | 19 years | 20-24 years | years | years | years | 40-44 years | 45-49 years | 50-54 years |
| Non-Hispanic | | | | | | | | | | | | | | | |
| Total ¹ | 3,149,572 | 5,184 | 313,448 | 13,113 | 29,933 | 54,336 | 89,357 | 126,709 | 757,692 | 824,186 | 786,198 | 380,511 | 78,046 | 4,096 | 211 |
| 1st child 2d child 3d child | | 5,083 84 3 | 249,213 53,416 8.645 | 12,631 433 11 | 27,602 2,119 127 | 47,244 6,343 550 | 71,205 15,458 2,153 | 90,531 29,063 5.804 | 354,583 257,558 103.716 | 314,387 283,276 141,698 | 241,264 293,636 152.820 | 89,833 129,021 87.675 | 17,427 23,131 16,273 | 1,052 1,044 683 | 57 |
| 4th child 5th child 6th child | 191,748 68,473 27,780 | 1 | 1,149 126 14 | 3 | 7 | 41 2 | 247 29 4 | 854 92 10 | 30,063 7,437 1,748 | 53,439 18,597 6,683 | 57,795 21,171 9,171 | 39,631 16,276 7,452 | 9,210 4,591 2,565 | 433 262 142 | 27 13 5 |
| 7th child 8th child and over Not stated | 12,712 14,290 8,888 | - - 13 | 4 1 880 | - - 35 | 1 - 77 | - 156 | - 261 | 3 1 351 | 397 125 2,065 | 2,453 1,304 2,349 | 4,285 3,891 2,165 | 3,987 5,521 1,115 | 1,478 3,093 278 | 108 350 22 | 5 |
| White | 2,326,578 | 1,581 | 190,161 | 5,765 | 15,538 | 31,409 | 55,409 | 82,040 | 523,027 | 622,361 | 625,435 | 300,007 | 60,614 | 3,224 | 168 |
| 1st child 2d child | 947,986 791,301 375,808 131,309 42,452 16,209 7,106 8,289 6,118 | 1,546 30 2 1 - - 2 | 156,628 28,965 3,667 340 30 7 7 1 1 522 | 5,615 135 1 - 1 - 1 - 13 | 14,717 747 35 - - - 39 | 28,281 2,845 187 10 1 - - 85 | 46,156 8,191 822 68 10 3 - 159 | 61,859 17,047 2,622 262 18 4 1 1 226 | 259,434 180,270 63,605 14,871 2,810 556 99 48 1,334 | 247,834 221,033 102,998 34,417 10,111 3,017 912 408 1,631 | 195,157 239,197 122,053 43,486 14,237 5,541 2,359 1,809 1,596 | 72,390 102,629 70,288 30,921 11,743 5,146 2,593 3,489 808 | 14,077 18,257 12,645 6,936 3,312 1,836 1,067 2,278 206 | 869 872 521 316 197 102 75 254 18 | 48 29 21 12 4 - 2 |
| Black | 589,917 | 3,401 | 108,252 | 6,735 | 12,879 | 20,293 | 29,794 | 38,551 | 194,391 | 133,491 | 91,710 | 47,494 | 10,691 | 473 | 14 |
| 1st child 2d child | 220,101 173,273 105,184 49,105 21,540 9,500 4,549 4,696 1,969 | 3,341 48 1 - - - 11 | 80,779 21,815 4,520 744 89 6 3 - | 6,426 275 10 - 2 - 22 | 11,499 1,254 87 5 - 1 - 33 | 16,687 3,187 329 29 1 - - | 21,805 6,510 1,214 167 18 1 - - 79 | 24,362 10,589 2,880 543 68 5 2 - 102 | 73,628 65,374 35,450 13,722 4,247 1,091 268 69 542 | 32,159 41,663 30,861 15,918 7,213 3,108 1,333 762 474 | 19,764 28,157 21,021 10,773 5,497 2,918 1,511 1,685 384 | 8,581 13,451 10,998 6,297 3,489 1,793 1,113 1,561 211 | 1,762 2,671 2,250 1,575 958 557 300 570 48 | 85 91 80 73 47 26 21 47 3 | 3 3 - 1 - 2 |

Quantity zero.
 Includes races other than white and black.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 8. Fertility rates and birth rates by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2001

[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. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

| | | | | | | Age of | f mother | | | | |
|---------------------------|------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
| Live-birth order and | 15-44 | 10.14 | | 15-19 years | | 00.04 | 05.00 | 20.04 | 05.00 | 40.44 | 45 40 |
| origin of mother | years | 10-14 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years ¹ |
| Hispanic | | | | | | | | | | | |
| Total | 107.6 | 1.7 | 92.5 | 57.0 | 143.5 | 186.0 | 174.9 | 113.8 | 51.5 | 11.9 | 0.7 |
| 1st child | 39.7 | 1.7 | 70.7 | 49.7 | 100.8 | 80.5 | 45.9 | 21.6 | 7.6 | 1.5 | 0.1 |
| 2d child | 33.0 | 0.0 | 18.4 | 6.6 | 35.2 | 67.0 | 60.5 | 33.7 | 12.4 | 2.2 | 0.1 |
| 3d child | 20.3 | * | 3.0 | 0.6 | 6.6 | 28.0 | 42.6 | 31.1 | 13.5 | 2.6 | 0.1 |
| th child | 8.9 | * | 0.4 | 0.0 | 0.9 | 8.0 | 17.4 | 16.4 | 8.8 | 2.1 | 0.1 |
| 5th child | 3.4 | * | 0.0 | * | 0.0 | 1.9 | 5.7 | 6.6 | 4.6 | 1.4 | 0.1 |
| Sth and 7th child | 1.9 | * | 0.0 | * | 0.1 | 0.5 | 2.4 | 3.7 | 3.4 | 1.4 | 0.1 |
| | | * | * | * | * | | | | | | |
| Bth child and over | 0.5 | - | | | | 0.0 | 0.3 | 0.7 | 1.1 | 0.7 | 0.1 |
| Non-Hispanic ² | | | | | | | | | | | |
| Total ³ | 60.8 | 0.6 | 37.9 | 19.9 | 64.0 | 96.5 | 111.9 | 92.3 | 39.9 | 7.6 | 0.5 |
| 1st child | 24.6 | 0.6 | 30.2 | 17.9 | 48.0 | 45.3 | 42.8 | 28.4 | 9.4 | 1.7 | 0.1 |
| 2d child | 20.1 | 0.0 | 6.5 | 1.8 | 13.2 | 32.9 | 38.5 | 34.6 | 13.5 | 2.3 | 0.1 |
| 3d child | 9.9 | * | 1.1 | 0.1 | 2.4 | 13.3 | 19.3 | 18.0 | 9.2 | 1.6 | 0.1 |
| 4th child | 3.7 | * | 0.1 | 0.0 | 0.3 | 3.8 | 7.3 | 6.8 | 4.2 | 0.9 | 0.1 |
| 5th child | 1.3 | * | 0.0 | * | 0.0 | 1.0 | 2.5 | 2.5 | 1.7 | 0.4 | 0.0 |
| Sth and 7th child | 0.8 | * | 0.0 | * | .0.0 | 0.3 | 1.2 | 1.6 | 1.2 | 0.4 | 0.0 |
| Bth child and over | 0.8 | * | * | * | * | 0.0 | 0.2 | 0.5 | 0.6 | 0.4 | 0.0 |
| White | 57.6 | 0.3 | 30.0 | 14.1 | 52.9 | 86.8 | 111.3 | 94.7 | 39.8 | 7.3 | 0.4 |
| 1st child | 23.5 | 0.2 | 24.7 | 13.0 | 41.7 | 43.2 | 44.4 | 29.6 | 9.6 | 1.7 | 0.1 |
| 2d child | 19.6 | 0.0 | 4.6 | 1.0 | 9.8 | 30.0 | 39.6 | 36.3 | 13.6 | 2.2 | 0.1 |
| 3d child | 9.3 | 0.0 | 0.6 | 0.1 | 1.3 | 10.6 | 18.5 | 18.5 | 9.3 | 1.5 | 0.1 |
| Ath child | 9.3 3.3 | * | 0.0 | 0.1 | 0.1 | 2.5 | 6.2 | 6.6 | 9.3 4.1 | | |
| | | * | | * | | | | | | 0.8 | 0.0 |
| 5th child | 1.1 | * | 0.0 | * | 0.0 | 0.5 | 1.8 | 2.2 | 1.6 | 0.4 | 0.0 |
| 6th and 7th child | 0.6 | * | | * | * | 0.1 | 0.7 | 1.2 | 1.0 | 0.4 | 0.0 |
| Bth child and over | 0.2 | * | * | * | * | 0.0 | 0.1 | 0.3 | 0.5 | 0.3 | 0.0 |
| Black | 71.6 | 2.3 | 75.6 | 47.2 | 116.8 | 142.9 | 107.3 | 69.0 | 33.1 | 7.5 | 0.4 |
| 1st child | 26.8 | 2.2 | 56.6 | 41.0 | 79.1 | 54.3 | 26.0 | 15.0 | 6.0 | 1.2 | 0.1 |
| 2d child | 21.1 | 0.0 | 15.3 | 5.6 | 29.3 | 48.2 | 33.6 | 21.3 | 9.4 | 1.9 | 0.1 |
| 3d child | 12.8 | * | 3.2 | 0.5 | 7.0 | 26.1 | 24.9 | 15.9 | 7.7 | 1.6 | 0.1 |
| 4th child | 6.0 | * | 0.5 | 0.0 | 1.2 | 10.1 | 12.8 | 8.1 | 4.4 | 1.1 | 0.1 |
| 5th child | 2.6 | * | 0.0 | * | 0.1 | 3.1 | 5.8 | 4.2 | 2.4 | 0.7 | 0.0 |
| Sth and 7th child | 1.7 | * | | * | | 1.0 | 3.6 | 3.3 | 2.4 | 0.7 | 0.0 |
| | | | | | | | | | | | |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 0.0 Quantity more than zero but less than 0.05.
 1 Birth rates computed by relating births to women aged 45-54 years to women aged 45-49 years.

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

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table only non-Hispanic women are classified by race. Denominators for population-based rates are derived from the 1990 U.S.Census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-2001

[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 and racial group. Population enumerated as of April 1 for 1990, 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]

| Interin Interin years | | | | | | | | Age of | mother | | | | |
|---|--|--------------------|--------|-----|-------|-------------|-------|--------|--------|-------|-------|-------|-----------------------------|
| of mother rate liet rotat < | | | | | | 15-19 years | | 00.04 | 05.00 | 00.04 | 05.00 | 10.11 | 45.40 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | rate ' | | Total | | | | | | | | 45-49 years ² |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | All origins | | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 2001 | | | | | | | | | | | | 0.5 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.5 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.4 0.4 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.4 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.3 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.3 0.3 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.3 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.3 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.2 |
| Hispanic Total 2001 3,165.0 107.6 1.7 92.5 57.0 143.5 186.0 174.9 113.8 51.5 11.9 2000 2,307.5 101.1 2.1 93.4 60.0 143.6 184.7 100.9 44.7 11.6 1997 2,999.5 102.8 2.3 97.4 66.3 144.3 184.2 161.7 97.9 45.0 10.8 1996 3,047.5 104.9 2.6 101.8 66.0 151.1 189.5 151.0 98.1 44.9 10.8 1994 3,014.0 105.6 2.7 106.8 71.7 159.1 188.2 153.4 96.4 44.7 10.6 1992 * 3,020.5 108.7 2.3 100.8 = 17.7 158.1 188.2 96.1 44.9 10.7 1992 * 3,002.5 108.7 2.4 106.7 77.6 188.5 188.0 12.2 | | | | | | | | | | | | | 0.2 0.2 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | _,•••• | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.7 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.6 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.6 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1993 | 3.020.5 | | | | | | | | | | | 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1992 ³ | 3,043.0 | | | | | | | | | | | 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1991 ³ | 3.002.5 | | | | | | | | | | | 0.6 |
| Mexican | 1990 ⁴ 1989 ⁵ | 2,959.5 2,903.5 | | | | | | | | | | | 0.7 0.6 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | 115.1 | | | 65.0 | 154.5 | 197.9 | 175.4 | 112.4 | 50.7 | 12.2 | 0.7 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.7 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | 0.6 0.6 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | 0.0 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | 117.0 | 2.8 | 124.6 | 84.4 | 185.3 | 208.9 | 160.5 | 98.5 | 46.8 | 11.9 | 0.7 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | 0.7 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1993 | 3,174.0 | | | | | | | | | | | 0.8 0.8 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1991 ³ | 3.317.5 | | | | | | | | | | | 0.0 |
| Puerto Rican 2000 2,584.0 84.3 1.9 97.0 63.2 143.1 181.3 121.3 74.2 34.1 6.7 1999 2,378.0 77.7 1.7 79.7 53.2 117.1 166.0 127.9 64.3 28.4 7.3 1998 2,268.0 75.5 1.9 81.2 55.1 120.7 164.2 104.4 67.6 26.7 7.2 1997 2,164.0 71.7 1.8 74.9 48.9 120.0 154.0 109.3 59.1 27.0 6.2 1995 2,245.5 75.7 3.0 89.0 61.2 139.2 151.5 107.2 64.8 27.7 5.6 1994 2,490.0 81.9 3.2 106.0 72.8 168.4 181.0 111.7 62.3 28.0 5.6 1992 ³ 2,644.5 89.9 3.5 110.4 204.9 106.6 66.7 30.0 6 | 1990 4 | 3 2 1 4 0 | 118.9 | 2.5 | 108.0 | | | 200.3 | 165.3 | 104.4 | 49.1 | 12.4 | 0.8 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1989 ⁵ | 2,916.5 | 106.6 | 2.0 | 94.5 | | | 184.3 | 153.7 | 96.1 | 41.0 | 11.1 | 0.6 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | 0.3 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | 0.3 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | 26.7 | 7.2 | 0.4 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | , | | | | | | | | | | | 0.5 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | 0.3 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | | 0.2 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1993 | 2,523.5 | 82.5 | | 110.0 | 73.4 | 181.0 | | 108.4 | | | | 0.5 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1992 ³ | 2,644.5 | | | | | | | | | | | 0.3 |
| 1989 ⁵ 2,421.0 86.6 3.8 112.7 171.0 98.0 65.2 26.9 6.3 Cuban 2001 171.0 98.0 65.2 26.9 6.3 2001 171.0 98.0 65.2 26.9 6.3 2001 2000 1,871.0 57.3 * 25.8 16.5 42.2 74.2 138.9 84.1 42.0 8.5 1999 1,563.0 51.2 0.7 27.1 15.7 46.2 71.8 92.8 72.9 39.6 7.4 1998 1,560.0 50.1 0.8 24.2 15.6 38.8 85.6 95.2 64.5 34.2 7.1 1997 1,814.5 57.4 1.0 38.3 25.3 53.4 82.7 123.5 75.7 35.1 6.3 1996 1,774.5 58.9 0.9 34.0 19.8 54.5 | 1991 | 2,276.0 | | | | | | | | | | | 0.3 0.5 |
| 2001 | | | | | | | | | | | | | 0.3 |
| 2001 | Cuban | | | | | | | | | | | | |
| 1999 1,563.0 51.2 0.7 27.1 15.7 46.2 71.8 92.8 72.9 39.6 7.4 1998 1,560.0 50.1 0.8 24.2 15.6 38.8 85.6 95.2 64.5 34.2 7.1 1997 1,814.5 57.4 1.0 38.3 25.3 53.4 82.7 123.5 75.7 35.1 6.3 1996 1,774.5 58.9 0.9 34.0 19.8 54.5 82.5 110.7 85.9 34.3 6.4 | 2001 | | | | | | | | | | | | |
| 19981,560.050.10.824.215.638.885.695.264.534.27.119971,814.557.41.038.325.353.482.7123.575.735.16.319961,774.558.90.934.019.854.582.5110.785.934.36.4 | | | | | | | | | | | | | * |
| 1997 1,814.5 57.4 1.0 38.3 25.3 53.4 82.7 123.5 75.7 35.1 6.3 1996 1,774.5 58.9 0.9 34.0 19.8 54.5 82.5 110.7 85.9 34.3 6.4 | | | | | | | | | | | | | * |
| 1996 1,774.5 58.9 0.9 34.0 19.8 54.5 82.5 110.7 85.9 34.3 6.4 | | | | | | | | | | | | | 0.3 |
| | 1996 | 1,774.5 | | 0.9 | 34.0 | | 54.5 | 82.5 | | 85.9 | 34.3 | 6.4 | * |
| 1995 | | | | | | | | | | | | | * |
| 1994 1,680.5 55.9 0.6 40.2 23.1 77.4 72.5 98.4 87.6 31.3 5.5 1993 1,632.5 55.5 * 33.0 20.4 49.7 68.9 102.0 86.9 31.0 4.7 | | | | 0.6 | | | | | | | | | * |
| 1992 ³ 1.485.5 50.3 1.0 26.3 51.6 98.4 86.2 28.9 4.7 | 1992 ³ | 1.485.5 | | 1.0 | | | | | | | | | 0.0 |
| 1991 ³ 1,385.5 49.1 * 27.7 17.5 41.3 61.2 88.8 68.2 26.7 4.0 | 1991 ³ | 1,385.5 | | * | | | | | | | | | * |
| 1990 ⁴ 1,459.5 52.6 * 30.3 18.2 46.1 64.6 95.4 67.6 28.2 4.9 | 1990 4 | 1,459.5 | 52.6 | | 30.3 | | | 64.6 | 95.4 | 67.6 | 28.2 | 4.9 | * |
| 1989 ⁵ 1,479.0 49.8 0.5 25.1 64.2 101.8 73.7 27.2 3.0 | 1989 ⁵ | 1,479.0 | 49.8 | 0.5 | 25.1 | | | 64.2 | 101.8 | 73.7 | 27.2 | 3.0 | 0.3 |

Table 9. Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989-2001 -- 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 and racial group. Population enumerated as of April 1 for 1990, 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]

| | | | | | | | Age of | mother | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
| Year and origin/race | Total fertilty | Fertility | _ | | 15-19 years | | | | | | | |
| of mother | rate | rate 1 | 10-14 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years ² |
| Other Hispanic ⁶ | | | | | | | | | | | | |
| 2001 2000 | 2,969.5 | 94.3 | 1.3 | 76.9 | 47.0 | 118.0 | 154.5 | 180.2 | 117.7 | 50.2 | 12.4 | 0.7 |
| 1999 | | 92.6 | 1.6 | 81.3 | 57.1 | 108.2 | 148.0 | 166.2 | 108.8 | 48.3 | 12.4 | 0.7 |
| 1998 1997 | | 90.2 87.6 | 1.9 2.0 | 80.0 72.1 | 56.7 48.3 | 106.9 106.8 | 137.4 146.4 | 157.2 147.9 | 106.9 104.4 | 46.9 45.4 | 12.9 11.8 | 0.6 0.7 |
| 1996 | | 90.2 | 2.4 | 69.8 | 46.6 | 103.1 | 166.5 | 146.3 | 105.3 | 50.4 | 11.0 | 0.7 |
| 1995 | , | 94.5 | 2.4 | 77.5 | 54.8 | 107.8 | 158.3 | 161.8 | 103.7 | 50.9 | 11.6 | 0.6 |
| 1994 | | 97.7 | 2.6 | 87.9 | 66.4 | 112.4 | 162.0 | 147.4 | 109.3 | 49.4 | 11.9 | 0.6 |
| 1993 1992 ³ | | 105.0 107.0 | 2.7 2.5 | 106.9 112.1 | 78.2 | 141.7 | 175.2 172.9 | 147.1 157.8 | 110.4 106.6 | 52.4 50.3 | 12.5 12.5 | 0.5 0.5 |
| 1991 ³ | 2,817.0 | 99.3 | 2.1 | 88.1 | 58.9 | 128.8 | 161.1 | 150.6 | 101.5 | 48.2 | 11.2 | 0.6 |
| 1990 4 | 2,877.0 | 102.7 | 2.1 | 86.0 | 57.2 | 123.8 | 162.9 | 155.8 | 106.9 | 49.4 | 11.6 | 0.7 |
| 1989 ⁵ | 2,683.0 | 95.8 | 1.7 | 66.4 | | | 159.2 | 150.4 | 85.1 | 60.3 | 12.7 | 0.8 |
| Non-Hispanic ⁷ Total ⁸ | | | | | | | | | | | | |
| 2001 | 1,936.0 | 60.8 | 0.6 | 37.9 | 19.9 | 64.0 | 96.5 | 111.9 | 92.3 | 39.9 | 7.6 | 0.5 |
| 2000 | 1,968.0 1,929.5 | 61.8 | 0.7 0.8 | 40.9 | 22.1 23.5 | 68.4 70.6 | 99.7 99.4 | 113.2 110.6 | 91.9 87.8 | 39.3 37.3 | 7.5 7.1 | 0.4 0.4 |
| 1999 1998 | | 60.7 60.7 | 0.8 | 42.5 44.3 | 25.4 | 70.0 | 99.4 99.9 | 109.3 | 85.7 | 36.5 | 7.0 | 0.4 |
| 1997 | | 60.1 | 0.9 | 45.5 | 27.0 | 74.3 | 98.6 | 107.0 | 83.5 | 35.1 | 6.7 | 0.4 |
| 1996 | | 60.3 | 1.0 | 47.3 | 28.7 | 76.2 | 98.4 | 106.5 | 82.0 | 34.2 | 6.5 | 0.3 |
| 1995 | | 60.8 62.0 | 1.1 1.2 | 49.6 52.0 | 30.7 32.5 | 79.0 81.8 | 98.5 100.4 | 106.4 108.6 | 80.9 79.9 | 33.2 | 6.2 6.0 | 0.3 |
| 1994 1993 | | 63.1 | 1.2 | 52.0 52.9 | 32.5 | 82.6 | 100.4 | 110.4 | 79.9 | 32.6 31.7 | 5.7 | 0.3 0.3 |
| 1992 ³ | 1,941.0 | 64.4 | 1.2 | 54.4 | 33.2 | 85.5 | 104.7 | 112.7 | 78.4 | 31.2 | 5.4 | 0.2 |
| 1991 ³ | 1,959.5 | 65.4 | 1.3 | 56.1 | 34.4 | 86.1 | 106.6 | 114.0 | 77.8 | 30.8 | 5.1 | 0.2 |
| 1990 ⁴ 1989 ⁵ | | 67.1 65.7 | 1.3 1.3 | 54.8 53.4 | 33.8 | 81.4 | 108.1 107.8 | 116.5 113.4 | 79.2 74.7 | 30.7 28.6 | 5.1 4.8 | 0.2 0.2 |
| White | , | | | | | | | | | | | |
| 2001 | 1,853.0 | 57.6 | 0.3 | 30.0 | 14.1 | 52.9 | 86.8 | 111.3 | 94.7 | 39.8 | 7.3 | 0.4 |
| 2000 | | 58.5 | 0.3 | 32.5 | 15.8 | 56.8 | 89.6 | 112.8 | 94.0 | 39.0 | 7.2 | 0.4 |
| 1999 | | 57.8 | 0.3 | 34.0 | 17.1 | 58.9 | 89.9 | 111.0 | 90.3 | 37.3 | 6.8 | 0.4 |
| 1998 1997 | | 57.7 57.0 | 0.3 0.4 | 35.2 36.0 | 18.4 19.4 | 60.6 61.9 | 90.7 89.8 | 109.7 107.2 | 88.0 85.2 | 36.4 34.9 | 6.7 6.4 | 0.4 0.3 |
| 1996 | | 57.3 | 0.4 | 37.6 | 20.6 | 63.7 | 90.1 | 107.0 | 83.5 | 34.0 | 6.2 | 0.3 |
| 1995 | | 57.6 | 0.4 | 39.3 | 22.0 | 66.1 | 90.0 | 106.5 | 82.0 | 32.9 | 5.9 | 0.3 |
| 1994 | | 58.3 | 0.5 | 40.4 | 22.8 | 67.4 | 90.9 | 107.9 | 80.7 | 32.1 | 5.7 | 0.2 |
| 1993 1992 ³ | 1,792.5 | 59.0 60.2 | 0.5 0.5 | 40.7 41.7 | 22.7 22.7 | 67.7 69.8 | 92.1 93.9 | 109.2 111.5 | 79.4 78.7 | 31.1 30.5 | 5.3 5.1 | 0.2 0.2 |
| 1991 ³ | 1,826.5 | 61.0 | 0.5 | 43.4 | 23.6 | 70.5 | 95.7 | 112.7 | 77.9 | 30.2 | 4.7 | 0.2 |
| 1990 ⁴ | 1,850.5 | 62.8 | 0.5 | 42.5 | 23.2 | 66.6 | 97.5 | 115.3 | 79.4 | 30.0 | 4.7 | 0.2 |
| 1989 ⁵ | 1,770.0 | 60.5 | 0.4 | 39.9 | | | 94.7 | 111.7 | 75.0 | 27.8 | 4.3 | 0.2 |
| Black | | | | | | | | | | | | |
| 2001 | 2,190.5 | 71.6 | 2.3 | 75.6 | 47.2 | 116.8 | 142.9 | 107.3 | 69.0 | 33.1 | 7.5 | 0.4 |
| 2000 1999 | 2,256.0 2,212.5 | 73.7 72.2 | 2.5 2.7 | 81.9 83.7 | 52.0 53.7 | 125.1 126.8 | 148.6 146.3 | 108.2 104.9 | 69.3 66.3 | 33.0 31.5 | 7.3 6.7 | 0.4 0.4 |
| 1998 | | 73.0 | 3.0 | 88.2 | 58.8 | 130.9 | 146.4 | 104.6 | 66.6 | 31.2 | 6.8 | 0.4 |
| 1997 | 2,210.5 | 72.4 | 3.4 | 90.8 | 62.6 | 134.0 | 143.0 | 101.9 | 65.8 | 30.3 | 6.6 | 0.3 |
| 1996 1995 | | 72.5 | 3.8 | 94.2 | 66.6 | 136.6 | 140.9 | 100.8 | 64.9 65.0 | 29.7 | 6.2 | 0.3 |
| 1995 | | 74.5 79.0 | 4.3 4.7 | 99.3 107.7 | 72.1 78.6 | 141.9 152.9 | 141.7 150.3 | 102.0 107.0 | 65.9 67.5 | 29.4 29.5 | 6.1 6.0 | 0.3 0.3 |
| 1993 | | 82.7 | 4.7 | 112.2 | 82.5 | 156.7 | 157.4 | 111.5 | 69.0 | 29.8 | 6.0 | 0.3 |
| 1992 ³ | 2.514.0 | 85.5 | 4.8 | 116.0 | 83.9 | 162.9 | 163.0 | 114.6 | 69.1 | 29.4 | 5.7 | 0.2 |
| 1991 ³ | 2,551.0 | 87.6 | 4.9 | 118.9 | 86.7 | 163.1 | 166.1 | 116.3 | 69.3 | 28.9 | 5.6 | 0.2 |
| 1990 ⁴ 1989 ⁵ | 2,547.5 | 89.0 84.8 | 5.0 5.2 | 116.2 111.9 | 84.9 | 157.5 | 165.1 156.3 | 118.4 113.8 | 70.2 65.7 | 28.7 26.3 | 5.6 5.3 | 0.3 0.3 |
| 1002 - | 2,724.0 | 04.0 | 0.2 | 111.7 | | | 130.3 | 113.0 | 00.7 | 20.5 | 0.0 | 0.5 |

*

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

Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator. 0.0 Quantity more than zero but less that 0.05. 1 Fertility rates computed by relating total births, regardless of age of mother, to women 15-44 years. 2 Beginning 1997, rates computed by relating births to women aged 45-54 years to women aged 45-49 years. 3 Excludes data for New Hampshire, which did not report Hispanic origin. 4 Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin. 5 Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin. 6 Includes Central and South American and other and unknown Hispanic.

7 Includes origin not stated.

8 Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see Technical notes. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S.Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin. Rates for 2001 for Hispanic subgroups are not shown because population data for these groups, based on the 1990 Census, are not reliable; see Technical notes

Table 10. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15-19 years by age of mother: United States, each State and territory, 2001

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

| | | | | | | Teenage birth rat | e |
|----------------------------|---------------------|---------------|-------------------|----------------------------|--------------|-------------------|--------------|
| | | | | | | 15-19 years | |
| State | Number of births | Birth rate | Fertility rate | Total fertility rate | Total | 15-17 years | 18-19 year |
| nited States ¹ | 4,025,933 | 14.5 | 66.9 | 2,114.5 | 45.8 | 25.2 | 75.5 |
| labama | 60,454 | 13.7 | 62.4 | 1,941.5 | 57.8 | 33.5 | 91.8 |
| laska | 10,003 | 16.0 | 75.5 | 2.462.5 | 37.7 | 18.5 | 64.8 |
| rizona | 85,597 | 17.1 | 84.0 | 2,643.0 | 65.3 | 38.1 | 106.6 |
| rkansas | 37,010 | 14.3 | 67.5 | 2,043.0 | 64.2 | 33.0 | 100.0 |
| | , | | | , | 45.2 | | |
| alifornia | 527,759 | 15.5 15.9 | 69.5 74.6 | 2,151.0 2,398.0 | 45.2 | 26.0 25.1 | 70.6 75.5 |
| olorado | 67,007 | | | 2,398.0 | | | |
| onnecticut | 42,648 | 12.9 | 61.0 | , | 29.4 | 15.4 | 52.4 |
| elaware | 10,749 | 13.9 | 61.5 | 1,958.5 | 48.2 | 29.2 | 74.0 |
| istrict of Columbia | 7,625 | 14.8 | 63.9 | 1,983.0 | 74.9 | 52.2 | 98.1 |
| orida | 205,793 | 13.2 | 67.0 | 2,165.5 | 49.3 | 26.9 | 83.7 |
| eorgia | 133,526 | 16.5 | 71.1 | 2,228.0 | 60.9 | 34.1 | 100.3 |
| awaii | 17,072 | 14.5 | 71.4 | 2,311.0 | 42.5 | 22.4 | 66.5 |
| aho | 20,688 | 16.0 | 75.4 | 2,303.5 | 40.6 | 19.3 | 69.4 |
| inois | 184,064 | 15.0 | 69.5 | 2,189.5 | 47.3 | 26.5 | 78.5 |
| diana | 86,459 | 14.4 | 66.1 | 2,089.5 | 47.2 | 23.8 | 81.7 |
| wa | 37,619 | 13.0 | 63.4 | 2,035.0 | 33.0 | 16.2 | 58.2 |
| ansas | 38,869 | 14.5 | 68.1 | 2,167.5 | 43.0 | 22.4 | 72.5 |
| entucky | 54,658 | 13.6 | 62.3 | 1,949.0 | 51.4 | 26.0 | 87.2 |
| puisiana | 65,352 | 14.9 | 67.2 | 2,065.5 | 57.8 | 33.4 | 90.8 |
| aine | 13,759 | 10.9 | 50.0 | 1,629.5 | 27.1 | 11.7 | 51.3 |
| aryland | 73,218 | 13.9 | 60.9 | 1,948.0 | 38.2 | 21.6 | 63.3 |
| assachusetts | 81,077 | 13.0 | 59.1 | 1,814.5 | 25.0 | 13.8 | 41.3 |
| ichigan | 133,427 | 13.4 | 61.0 | 1,938.0 | 37.2 | 19.5 | 64.4 |
| | 67,562 | 13.4 | 63.5 | 2,061.0 | 27.9 | 14.0 | 48.8 |
| innesota | | | | , | | | |
| ississippi | 42,282 | 15.1 | 67.6 | 2,045.5 | 66.7 | 39.6 | 104.9 |
| issouri | 75,464 | 13.6 | 63.2 | 2,022.0 | 46.1 | 23.3 | 80.2 |
| ontana | 10,970 | 12.3 | 61.8 | 2,003.5 | 35.6 | 18.0 | 61.8 |
| ebraska | 24,820 | 14.8 | 69.7 | 2,229.0 | 36.0 | 19.6 | 59.1 |
| evada ew Hampshire | 31,382 14,656 | 16.1 11.9 | 79.4 52.0 | 2,541.5 1,660.5 | 56.4 21.0 | 30.5 9.8 | 97.9 38.9 |
| | 115 705 | 110 | | 0.445.5 | 00.0 | 10.1 | 50.0 |
| ew Jersey | 115,795 | 14.0 | 66.3 | 2,115.5 | 29.9 | 16.1 | 52.0 |
| ew Mexico | 27,128 | 15.4 | 72.8 | 2,311.0 | 64.5 | 39.3 | 102.1 |
| ew York | 254,026 | 13.9 | 64.4 | 2,012.5 | 34.1 | 18.8 | 56.2 |
| orth Carolina | 118,185 | 15.1 | 70.4 | 2,239.0 | 55.2 | 29.9 | 94.7 |
| orth Dakota | 7,629 | 12.2 | 59.3 | 1,898.5 | 27.2 | 11.9 | 49.2 |
| hio | 151,570 | 13.4 | 61.9 | 1,958.5 | 42.2 | 21.9 | 72.2 |
| klahoma | 50,118 | 14.8 | 70.8 | 2,204.5 | 58.0 | 30.7 | 96.8 |
| regon | 45,322 | 13.5 | 65.3 | 2,055.0 | 40.9 | 20.9 | 70.8 |
| ennsylvania hode Island | 143,495 12,713 | 12.0 12.7 | 57.7 59.2 | 1,857.0 1,869.5 | 33.6 37.4 | 18.0 21.5 | 57.1 60.9 |
| | 12,710 | 12.1 | 00.2 | 1,003.0 | 57.4 | 21.0 | 00.9 |
| outh Carolina | 55,756 | 14.1 | 62.8 | 1,959.0 | 57.4 | 33.2 | 89.8 |
| outh Dakota | 10,483 | 14.1 | 67.7 | 2,174.5 | 37.1 | 18.7 | 62.8 |
| ennessee | 78,340 | 14.0 | 64.3 | 2,037.5 | 58.4 | 30.9 | 99.0 |
| exas | 365,410 | 17.6 | 79.9 | 2,493.5 | 66.5 | 40.4 | 103.0 |
| tah | 47,959 | 21.8 | 95.0 | 2,755.5 | 38.2 | 19.3 | 61.8 |
| ermont | 6,366 | 10.6 | 47.9 | 1,547.0 | 23.9 | 10.3 | 44.3 |
| rginia | 98,884 | 14.0 | 60.9 | 1,894.5 | 39.4 | 21.1 | 64.1 |
| ashington | 79,570 | 13.6 | 61.9 | 1,963.0 | 34.9 | 17.7 | 59.8 |
| est Virginia | 20,428 | 11.4 | 55.6 | 1,711.5 | 45.5 | 22.6 | 78.2 |
| lisconsin | 69,072 | 12.9 | 60.2 | 1,940.0 | 33.4 | 17.8 | 56.7 |
| /yoming | 6,115 | 12.7 | 62.0 | 1,926.5 | 38.6 | 18.2 | 68.8 |
| uerto Rico | 55,866 | 14.2 | 61.2 | 1.761.5 | 68.0 | 46.1 | 100.2 |
| irgin Islands | 1,669 | 13.7 | 63.4 | 1,922.0 | 51.5 | 31.8 | 82.5 |
| uam | 3,564 | 22.6 | 113.7 | 3,472.5 | 70.5 | 39.8 | 118.6 |
| | 0,004 | | | | | | |
| merican Samoa | 1,655 | 24.7 | 113.9 | 3,497.0 | 38.9 | 10.7 | 83.7 |

¹ Excludes data for the territories.

NOTES: Denominators for population-based rates are derived from the 1990 U.S.Census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 11. Live births by race of mother: United States, each State and territory, 2001

[By place of residence]

| = | | | Number | | |
|-------------------------------------|-------------------|-------------------|-----------------|------------------------------|------------------------------|
| State | All races | White | Black | American Indian ¹ | Asian or Pacific Islander |
| United States ² | 4,025,933 | 3,177,626 | 606,156 | 41,872 | 200,279 |
| Alabama | 60,454 | 40,604 | 19,199 | 182 | 469 |
| Alaska | 10,003 | 6,383 | 441 | 2,542 | 637 |
| Arizona | 85,597 | 75,219 | 2,762 | 5,498 | 2,118 |
| Arkansas | 37,010 | 28,836 | 7,435 | 244 | 495 |
| California | 527,759 | 428,238 | 33,774 | 2,926 | 62,821 |
| Colorado | 67,007 | 61,056 | 2,971 | 651 | 2,329 |
| Connecticut | 42,648 10,749 | 35,612 7,668 | 5,134 2,710 | 164 26 | 1,738 345 |
| Delaware District of Columbia | 7,625 | 2,570 | 4,860 | 20 | 186 |
| Florida | 205,793 | 152,207 | 47,186 | 1,230 | 5,170 |
| Georgia | 133,526 | 85,648 | 43,727 | 275 | 3,876 |
| Hawaii | 17,072 | 3,815 | 527 | 183 | 12,547 |
| ldaho | 20,688 | 19,944 | 86 | 360 | 298 |
| Illinois | 184,064 | 142,474 | 33,203 | 261 | 8,126 |
| Indiana | 86,459 | 75,393 | 9,649 | 168 | 1,249 |
| | 37,619 | 35,324 | 1,266 | 232 | 797 |
| Kansas | 38,869 | 34,622 | 2,781 | 458 | 1,008 |
| Kentucky Louisiana | 54,658 65,352 | 48,968 36.899 | 4,930 27.058 | 102 380 | 658 1,015 |
| Maine | 13,759 | 13,280 | 153 | 110 | 216 |
| Maryland | 73,218 | 45,068 | 24,252 | 212 | 3,686 |
| Massachusetts | 81,077 | 67,786 | 8,205 | 144 | 4,942 |
| Michigan | 133,427 | 105,235 | 23,613 | 641 | 3,938 |
| Minnesota | 67,562 | 57,982 | 4,767 | 1,312 | 3,501 |
| Mississippi | 42,282 | 22,808 | 18,817 | 265 | 392 |
| Missouri | 75,464 | 62,504 | 11,134 | 342 | 1,484 |
| Montana Nebraska | 10,970 24,820 | 9,442 22,496 | 42 1,373 | 1,369 433 | 117 518 |
| Nevada | 31,382 | 26,284 | 2,518 | 482 | 2,098 |
| New Hampshire | 14,656 | 13,954 | 208 | 40 | 454 |
| New Jersey | 115,795 | 85,110 | 20,583 | 167 | 9,935 |
| New Mexico | 27,128 | 22,810 | 511 | 3,404 | 403 |
| New York | 254,026 | 182,191 | 52,190 | 710 | 18,935 |
| North Carolina | 118,185 | 85,315 | 28,393 | 1,689 | 2,788 |
| North Dakota | 7,629 | 6,625 | 102 | 806 | 96 |
| Ohio Oklahoma | 151,570 50,118 | 125,507 39,218 | 22,994 4,612 | 313 5.258 | 2,756 |
| Oregon | 45,322 | 41,284 | 944 | 792 | 2,302 |
| Pennsylvania | 143,495 | 119,015 | 20,238 | 356 | 3,886 |
| Rhode Island | 12,713 | 10,960 | 1,112 | 127 | 514 |
| South Carolina | 55,756 | 35,866 | 18,927 | 153 | 810 |
| South Dakota | 10,483 | 8,475 | 101 | 1,776 | 13 |
| Tennessee | 78,340 | 60,216 | 16,603 | 181 | 1,340 |
| Texas | 365,410 47,959 | 311,979 45,440 | 40,750 | 854 | 11,827 |
| Utah Vermont | 47,959 6,366 | 45,440 6,237 | 342 31 | 742 7 | 1,435 9 ⁻ |
| Virginia | 98,884 | 70,946 | 22,272 | 120 | 5,546 |
| Washington | 79,570 | 67,437 | 3,334 | 1,897 | 6,902 |
| West Virginia | 20,428 | 19,576 | 704 | 19 | 129 |
| Wisconsin | 69,072 | 59,383 | 6,567 | 989 | 2,133 |
| Wyoming | 6,115 | 5,717 | 65 | 271 | 62 |
| Puerto Rico | 55,866 | 51,285 | 4,564 | | |
| Virgin Islands | 1,669 | 367 | 1,230 | 72 | 0.001 |
| Guam | 3,564 | 234 | 37 | 4 | 3,289 |
| American Samoa Northern Marianas | 1,655 | 3 19 | - | - | 1,652 1,430 |
| NUTUREITI Mananas | 1,449 | 19 | - | - | 1,43 |

--- Data not available. - Quantity zero. 1 Includes births to Aleuts and Eskimos. 2 Excludes data for the territories.

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

Table 12. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each State and territory, 2001

[By place of residence]

| | | | | | | Origin of mot | her | | | | |
|----------------------------|-----------|---------|---------|-----------------|----------|----------------------------------|----------------------------------|--------------------|-------------|---------|--------|
| 0 | All | | | Hispa | anic | | | Ν | on-Hispanic | | Not |
| State | origins | Total | Mexican | Puerto Rican | Cuban | Central and South American | Other and unknown Hispanic | Total ¹ | White | Black | stated |
| United States ² | 4,025,933 | 851,851 | 611,000 | 57,568 | 14,017 | 121,365 | 47,901 | 3,149,572 | 2,326,578 | 589,917 | 24,510 |
| Alabama | 60,454 | 2,254 | 1,741 | 72 | 19 | 137 | 285 | 58,157 | 38,342 | 19,183 | 43 |
| Alaska | 10,003 | 652 | 299 | 66 | 9 | 57 | 221 | 8,480 | 5,567 | 388 | 871 |
| Arizona | 85,597 | 36,183 | 34,451 | 260 | 59 | 699 | 714 | 48,317 | 38,878 | 2,560 | 1,097 |
| Arkansas | 37,010 | 2,649 | 2,229 | 49 | 10 | 332 | 29 | 34,229 | 26,082 | 7,422 | 132 |
| California | 527,759 | 261,071 | 228,648 | 2,051 | 769 | 25,134 | 4,469 | 263.321 | 167,025 | 32,551 | 3,367 |
| Colorado | 67,007 | 19,730 | 15,359 | 289 | 64 | 671 | 3,347 | 47,271 | 41,764 | 2,830 | 6 |
| Connecticut | 42,648 | 6,913 | 773 | 4,051 | 68 | 1,764 | 257 | 35,220 | 28,434 | 4,929 | 515 |
| Delaware | 10,749 | 1,083 | 566 | 297 | 5 | 207 | 8 | 9,650 | 6,598 | 2,684 | 16 |
| District of Columbia | 7,625 | 895 | 91 | 12 | 7 | 715 | 70 | 6,687 | 1,687 | 4,805 | 43 |
| Florida | 205,793 | 49,629 | 12,097 | 8,625 | 9,778 | 17,868 | 1,261 | 155,846 | 104,068 | 45,954 | 318 |
| Georgia | 133,526 | 15,699 | 12,280 | 568 | 162 | 2,596 | 93 | 116,254 | 69,306 | 43,076 | 1,573 |
| Hawaii | 17,072 | 2,237 | 421 | 678 | 17 | 2,330 | 1,039 | 14,812 | 3,119 | 495 | 23 |
| Idaho | 20,688 | 2,753 | 2,307 | 22 | 5 | 75 | 344 | 17,541 | 16,855 | 78 | 394 |
| Illinois | 184,064 | 40,973 | 34,909 | 2,695 | 186 | 1,542 | 1,641 | 143,005 | 101,660 | 32,995 | 86 |
| Indiana | 86,459 | 5,898 | 5,153 | 2,000 | 20 | 360 | 74 | 80,181 | 69,242 | 9,575 | 380 |
| lowa | 37,619 | 2,232 | 1,782 | 44 | 20 | 299 | 101 | 35,292 | 33,068 | 1,237 | 95 |
| Kansas | 38,869 | 4,906 | 4,033 | 87 | 29 | 279 | 478 | 33,535 | 29,363 | 2,747 | 428 |
| | | | 1,159 | 92 | 29 56 | | | | | 4,905 | 23 |
| Kentucky | 54,658 | 1,509 | | | | 177 | 25 | 53,126 | 47,485 | | |
| Louisiana | 65,352 | 1,557 | 618 | 108 | 61 | 127 | 643 | 63,745 | 35,383 | 27,010 | 50 |
| Maine | 13,759 | 173 | 27 | 24 | 5 | 41 | 76 | 13,535 | 13,074 | 142 | 51 |
| Maryland | 73,218 | 5,301 | 999 | 347 | 56 | 3,022 | 877 | 67,617 | 39,798 | 24,046 | 300 |
| Massachusetts | 81,077 | 9,444 | 440 | 4,546 | 71 | 4,118 | 269 | 71,007 | 59,405 | 6,552 | 626 |
| Michigan | 133,427 | 7,335 | 5,960 | 423 | 68 | 498 | 386 | 124,166 | 96,346 | 23,399 | 1,926 |
| Minnesota | 67,562 | 4,543 | 3,522 | 111 | 29 | 549 | 332 | 62,541 | 53,141 | 4,685 | 478 |
| Mississippi | 42,282 | 719 | 401 | 15 | 9 | 60 | 234 | 41,531 | 22,073 | 18,809 | 32 |
| Missouri | 75,464 | 2,981 | 2,238 | 90 | 33 | 390 | 230 | 72,395 | 59,513 | 11,084 | 88 |
| Montana | 10,970 | 377 | 172 | 12 | 4 | 18 | 171 | 10,280 | 8,798 | 38 | 313 |
| Nebraska | 24,820 | 2,946 | 2,336 | 32 | 12 | 383 | 183 | 21,342 | 19,056 | 1,355 | 532 |
| Nevada | 31,382 | 10,855 | 8,943 | 229 | 192 | 976 | 515 | 20,181 | 15,323 | 2,414 | 346 |
| New Hampshire | 14,656 | 509 | 128 | 110 | 7 | 183 | 81 | 13,493 | 12,849 | 159 | 654 |
| New Jersey | 115,795 | 23,497 | 4,344 | 6,914 | 847 | 11,016 | 376 | 91,973 | 63,266 | 18,709 | 325 |
| New Mexico | 27,128 | 14,126 | 6,448 | 55 | 30 | 190 | 7,403 | 12,994 | 8,776 | 485 | 8 |
| New York | 254,026 | 54,544 | 8,645 | 13,257 | 464 | 24,042 | 8,136 | 196,773 | 130,637 | 46,709 | 2,709 |
| North Carolina | 118,185 | 14,539 | 11,167 | 685 | 119 | 2,465 | 103 | 103,554 | 70,863 | 28,250 | 92 |
| North Dakota | 7,629 | 140 | 90 | 6 | 1 | 7 | 36 | 7,295 | 6,299 | 101 | 194 |
| Ohio | 151,570 | 4,598 | 2,455 | 1,309 | 52 | 511 | 271 | 146,639 | 120,869 | 22,769 | 333 |
| Oklahoma | 50,118 | 4,942 | 4,352 | 117 | 16 | 235 | 222 | 45,090 | 34,360 | 4,574 | 86 |
| Oregon | 45,322 | 7,902 | 7,374 | 77 | 32 | 318 | 101 | 37,271 | 33,388 | 908 | 149 |
| Pennsylvania | 143,495 | 8,192 | 1,577 | 5,044 | 101 | 617 | 853 | 134,265 | 110,501 | 19,615 | 1,038 |
| Rhode Island | 12,713 | 2,196 | 149 | 641 | 9 | 1,305 | 92 | 9,261 | 7,676 | 994 | 1,256 |
| South Carolina | 55,756 | 2,988 | 2,072 | 196 | 27 | 455 | 238 | 52,698 | 32,932 | 18,878 | 70 |
| South Dakota | 10,483 | 257 | 169 | 15 | 1 | 47 | 25 | 10,215 | 8,254 | 97 | 11 |
| Tennessee | 78,340 | 3,905 | 2,946 | 206 | 38 | 558 | 157 | 74,407 | 56,363 | 16,568 | 28 |
| Texas | 365,410 | 172,354 | 152,757 | 1,105 | 290 | 9,235 | 8,967 | 191,808 | 139,104 | 40,221 | 1,248 |
| Utah | 47,959 | 6,543 | 5,147 | 98 | 21 | 638 | 639 | 41,146 | 38,682 | 325 | 270 |
| Vermont | 6,366 | 35 | 8 | 9 | 2 | 10 | 6 | 6,139 | 6,014 | 29 | 192 |
| Virginia | 98,884 | 9,143 | 2,337 | 613 | 76 | 5,477 | 640 | 89,494 | 61,871 | 22,082 | 247 |
| Washington | 79,570 | 12,140 | 10,330 | 253 | 38 | 632 | 887 | 66,050 | 54,468 | 3,219 | 1,380 |
| West Virginia | 20,428 | 83 | 42 | 12 | - | 9 | 20 | 20,291 | 19,446 | 698 | 54 |
| Wisconsin | 69,072 | 5,152 | 4,010 | 654 | 35 | 227 | 226 | 63,913 | 54,346 | 6,515 | 7 |
| Wyoming | 6,115 | 569 | 499 | 6 | 2 | 12 | 50 | 5,539 | 5,161 | 64 | 7 |
| Puerto Rico | 55,866 | | | | | | | | | | 55,866 |
| Virgin Islands | 1,669 | 385 | 12 | 295 | 2 | - | 76 | 1,233 | 79 | 1,091 | 51 |
| Guam | 3,564 | 52 | 20 | 20 | - | 6 | 6 | 3,421 | 209 | 37 | 91 |
| American Samoa | 1,655 | | | 20 | | | | | 205 | | 1,655 |
| Northern Marianas | 1,449 | | | | | | | | | | 1,449 |
| | 1.449 | | | | | | | | | | 1,443 |

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

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 13. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by detailed race of mother and place of birth of mother: United States, 2001

[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]

| | All | | B 1 1 | American | | | Asian or Pac | ific Islander | | |
|---|--------------------------------------|--------------------------------------|--|--------------------------------------|------------------------------------|--|-----------------------------------|--------------------------------------|------------------------------------|------------------------------------|
| Characteristic | races | White | Black | Indian ¹ | Total | Chinese | Japanese | Hawaiian | Filipino | Other |
| | | | | | Num | ber | | | | |
| Births | 4,025,933 | 3,177,626 | 606,156 | 41,872 | 200,279 | 31,401 | 9,048 | 6,411 | 32,468 | 120,951 |
| | | | | | Ra | te | | | | |
| Birth rate Fertility rate Total fertility rate | 14.5 66.9 2,114.5 | 13.9 66.3 2,109.5 | 17.0 69.5 2,123.5 | 16.9 70.8 2,074.5 | 17.2 69.4 2,035.5 | | | | | |
| Sex ratio ² | 1,046 | 1,047 | 1,032 | 1,024 | 1,067 | 1,092 | 1,041 | 1,000 | 1,077 | 1,064 |
| | | | | | Perc | ent | | | | |
| All births Births to mothers under 20 years 4th- and higher-order births Births to unmarried mothers Mothers completing 12 years or more of school Mothers born in the 50 States and DC Mothers born in the 50 States and DC Births to mothers under 20 years | 11.3 10.8 33.5 78.3 77.5 | 10.2 10.1 27.7 78.3 79.1 | 18.9 15.1 68.4 75.1 87.6 20.7 | 19.3 18.8 59.7 69.0 94.7 | 4.3 6.8 14.9 89.2 16.8 | 1.0 2.2 8.4 88.1 10.2 3.5 | 1.7 4.2 9.2 98.2 40.1 | 16.2 15.4 50.6 84.6 97.6 | 5.1 7.5 20.4 94.0 21.2 | 4.6 7.6 13.7 87.8 11.3 |
| 4th- and higher-order births Births to unmarried mothers Mothers completing 12 years or more of school | 10.3 34.5 83.4 | 9.2 26.2 85.4 | 15.3 72.0 74.1 | 19.1 61.1 69.3 | 8.0 32.9 88.6 | 4.0 11.7 96.8 | 5.3 16.0 97.3 | 15.3 50.8 84.7 | 7.8 35.3 90.2 | 6.5 33.0 85.3 |
| Mothers born outside the 50 States and DC Births to mothers under 20 years 4th- and higher-order births Births to unmarried mothers Mothers completing 12 years or more of school | 8.2 12.3 30.0 60.7 | 9.9 13.7 33.3 51.0 | 5.9 13.4 42.5 82.4 | 9.2 12.4 33.7 65.0 | 2.3 6.6 11.2 89.4 | 0.7 2.0 7.9 87.2 | 0.4 3.5 4.6 98.8 | * 18.2 39.0 80.0 | 3.0 7.4 16.4 95.0 | 2.7 7.7 11.2 88.1 |

Data not available.

--- Data not available.
* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
1 Includes births to Aleuts and Eskimos.
2 Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race. Denominators for population-based rates are derived from the 1990 U.S.Census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 14. Total number of births, rates (birth, fertility, and total fertility), and percent of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 2001

[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]

| | | | | Hispa | anic | | | | Non-Hispanic | |
|---|-----------------------------|--------------------------|----------------------|----------------------|---------------------|----------------------------------|----------------------------------|-------------------------|-------------------------|-------------------------|
| Characteristic | All origins ¹ | Total | Mexican | Puerto Rican | Cuban | Central and South American | Other and unknown Hispanic | Total ² | White | Black |
| | | | | | Nu | mber | | | | |
| Births | 4,025,933 | 851,851 | 611,000 | 57,568 | 14,017 | 121,365 | 47,901 | 3,149,572 | 2,326,578 | 589,917 |
| | | | | | F | late | | | | |
| Birth rate Fertility rate Total fertility rate | 14.5 66.9 2,114.5 | 25.4 107.6 3,165.0 | | | | | | 13.0 60.8 1,936.0 | 11.9 57.6 1,853.0 | 17.5 71.6 2,190.5 |
| Sex ratio ³ | 1,046 | 1,038 | 1,037 | 1,052 | 1,032 | 1,037 | 1,042 | 1,048 | 1,051 | 1,032 |
| | | | | | Pe | rcent | | | | |
| All births Births to mothers under 20 years 4th- and higher-order births Births to unmarried mothers Mothers completing 12 years or | 11.3 10.8 33.5 | 15.6 13.6 42.5 | 16.5 14.6 40.8 | 19.2 12.4 58.9 | 7.5 5.4 27.2 | 9.4 10.7 44.3 | 17.3 11.3 44.2 | 10.1 10.0 31.1 | 8.2 8.9 22.5 | 18.9 15.2 68.6 |
| more of school Mothers born in the 50 States and | 78.3 | 51.2 | 45.0 | 67.7 | 88.2 | 63.5 | 69.6 | 85.5 | 88.0 | 75.2 |
| DC Mothers born in the 50 States and | 77.5 | 36.8 | 36.2 | 64.8 | 45.0 | 11.2 | 73.8 | 88.4 | 94.3 | 88.7 |
| DC Births to mothers under 20 years 4th- and higher-order births Births to unmarried mothers Mothers completing 12 years or | 12.2 10.3 34.5 | 22.3 11.8 47.9 | 23.3 12.4 46.6 | 21.0 11.6 61.3 | 12.8 6.0 27.5 | 19.9 5.6 46.0 | 20.4 11.3 46.4 | 11.0 10.1 33.0 | 8.5 8.8 23.2 | 20.6 15.4 72.1 |
| more of school | 83.4 | 67.8 | 65.8 | 67.8 | 86.3 | 80.4 | 71.9 | 85.1 | 87.9 | 74.1 |
| Mothers born outside the 50 States and DC Births to mothers under 20 years 4th- and higher-order births Births to unmarried mothers Mothers completing 12 years or | 8.2 12.3 30.0 | 11.6 14.6 39.2 | 12.6 15.8 37.4 | 15.9 13.7 54.4 | 3.1 4.9 26.9 | 8.1 11.3 44.1 | 8.5 11.3 36.9 | 3.2 9.0 16.4 | 3.1 9.7 10.6 | 5.4 13.7 40.6 |
| more of school | 60.7 | 41.5 | 32.9 | 67.4 | 89.7 | 61.3 | 63.4 | 88.9 | 90.7 | 84.2 |

--- Data not available. 1 Includes origin not stated. 2 Includes races other than white and black. 3 Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see Technical notes. Denominators for population-based rates are derived from the 1990 U.S. Census. As a result, rates are generally larger than would be the case if 200-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes. Rates for Hispanic subgroups are not shown because population data for these groups, based on the 1990 Census, are not reliable; see Technical notes.

Table 15. Live births by race of mother and observed and seasonally adjusted birth and fertility rates, by month: United States, 2001

[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]

| Marth | | Number | | Obs | served | Seasonall | y adjusted ¹ |
|-----------|------------------------|-----------|---------|------------|----------------|------------|-------------------------|
| Month | All races ² | White | Black | Birth rate | Fertility rate | Birth rate | Fertility rate |
| | | | | | | | |
| Total | 4,025,933 | 3,177,626 | 606,156 | 14.5 | 66.9 | | |
| January | 335,198 | 261,589 | 52,967 | 14.3 | 65.6 | 14.8 | 68.1 |
| February | 303,534 | 239,082 | 46,173 | 14.3 | 65.9 | 14.5 | 66.8 |
| March | 338,684 | 267,677 | 50,649 | 14.4 | 66.3 | 14.5 | 66.9 |
| April | 323,613 | 257,148 | 47,211 | 14.2 | 65.5 | 14.5 | 66.9 |
| May | 344,017 | 274,150 | 49,470 | 14.6 | 67.4 | 14.7 | 67.9 |
| June | 331,085 | 263,118 | 48,461 | 14.5 | 67.0 | 14.3 | 66.0 |
| July | 351,047 | 277,569 | 52,851 | 14.9 | 68.7 | 14.4 | 66.7 |
| August | 361,802 | 286,012 | 54,454 | 15.3 | 70.8 | 14.7 | 67.8 |
| September | 342,564 | 270,305 | 51,467 | 15.0 | 69.3 | 14.3 | 66.1 |
| October | 344,074 | 271,950 | 51,190 | 14.5 | 67.4 | 14.6 | 67.7 |
| November | 323,746 | 254,005 | 49,761 | 14.1 | 65.5 | 14.6 | 67.7 |
| December | 326,569 | 255,021 | 51,502 | 13.8 | 64.0 | 14.1 | 65.3 |

... Category not applicable.

The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).
 Includes races other than white and black.

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

Table 16. Live births by day of week and index of occurrence by method of delivery, day of week, and race of mother: United States, 2001

| | | | I | ndex of occurrence | 1 | |
|------------------------|----------------|--------------------|---------|--------------------|-------------|--------|
| Day of week and | Average number | | | Method | of delivery | |
| race of mother | of births | Total ² | | | Cesarean | |
| | | | Vaginal | Total | Primary | Repeat |
| | | | | | | |
| All races ³ | 11,030 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Sunday | 7,637 | 69.2 | 75.4 | 50.7 | 61.0 | 34.1 |
| Monday | 11,192 | 101.5 | 99.7 | 106.9 | 98.2 | 120.7 |
| Tuesday | 12,496 | 113.3 | 111.0 | 120.1 | 117.6 | 124.2 |
| Wednesday | 12,371 | 112.2 | 110.1 | 118.3 | 115.9 | 122.2 |
| Thursday | 12,466 | 113.0 | 111.1 | 118.8 | 115.6 | 124.0 |
| Friday | 12,315 | 111.7 | 107.7 | 123.5 | 117.0 | 133.9 |
| Saturday | 8,729 | 79.1 | 84.9 | 61.6 | 74.8 | 40.5 |
| White | 8,706 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Sunday | 5,878 | 67.5 | 73.8 | 48.5 | 59.0 | 32.1 |
| Monday | 8,893 | 102.1 | 100.3 | 107.8 | 98.8 | 121.9 |
| Tuesday | 9,928 | 114.0 | 111.8 | 120.9 | 118.6 | 124.5 |
| Wednesday | 9,810 | 112.7 | 110.6 | 118.9 | 116.6 | 122.3 |
| Thursday | 9,908 | 113.8 | 111.9 | 119.6 | 116.2 | 124.8 |
| Friday | 9,771 | 112.2 | 108.1 | 124.8 | 117.8 | 135.6 |
| Saturday | 6,750 | 77.5 | 83.4 | 59.5 | 73.1 | 38.4 |
| Black | 1,661 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Sunday | 1,250 | 75.2 | 81.2 | 58.6 | 68.4 | 42.2 |
| Monday | 1,638 | 98.7 | 97.0 | 103.2 | 95.6 | 115.9 |
| Tuesday | 1.844 | 111.0 | 108.7 | 117.6 | 113.9 | 123.8 |
| Wednesday | 1,834 | 110.4 | 108.1 | 117.0 | 113.8 | 122.2 |
| Thursday | 1.834 | 110.5 | 108.5 | 116.2 | 113.6 | 120.3 |
| Friday | 1,816 | 109.3 | 105.9 | 118.8 | 114.3 | 126.3 |
| Saturday | 1,410 | 84.9 | 90.7 | 68.6 | 80.4 | 49.0 |
| | ., | 00 | 00.1 | | 55.1 | .5.0 |

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.
 Includes method of delivery not stated.
 Includes races other than white and black.

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

Table 17. Number, birth rate, and percent of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2001

| | | W | /hite | В | lack | |
|---|---------------------------|--------------|--------------|---------|--------------|-----------------------|
| Measure and age of mother | All races ¹ | Total | Non-Hispanic | Total | Non-Hispanic | Hispanic ² |
| Number | | | | | | |
| All ages | 1,349,249 | 879,848 | 524,371 | 414,533 | 404,503 | 361,689 |
| Jnder 15 years | 7,494 | 3,833 | 1,522 | 3,440 | 3,388 | 2,354 |
| 5-19 years | 352,026 | 232,945 | 140,734 | 106,005 | 103,654 | 93,798 |
| 15 years | 18,872 | 11,389 | 5,353 | 6,831 | 6,687 | 6,150 |
| 16 years | 40,653 | 26,115 | 13,646 | 13,029 | 12,742 | 12,663 |
| 17 years | 68,113 | 45,209 | 26,136 | 20,378 | 19,914 | 19,418 |
| 18 years | 100,050 | 67,108 | 41,767 | 29,275 | 28,613 | 25,750 |
| 19 years | 124,338 | 83,124 | 53,832 | 36,492 | 35,698 | 29,817 |
| 20-24 years | 514,959 | 335,051 | 208,328 | 160,840 | 157,334 | 128,872 |
| 25-29 years | 257,702 | 166,999 | 91,889 | 79,107 | 77,029 | 76,385 |
| 30-34 years | 135,040 | 87,461 | 49,213 | 40,831 | 39,620 | 38,984 |
| 35-39 years | 65,257 | 42,346 | 25,585 | 19,622 | 18,941 | 17,131 |
| 0 years and over | 16,771 | 11,213 | 7,100 | 4,688 | 4,537 | 4,165 |
| Rate per 1,000 unmarried women in specified group | | | | | | |
| 5-44 years ³ | 45.0 | 39.2 | 27.7 | 70.1 | | 98.0 |
| 15-19 years | 37.4 | 31.5 | 22.9 | 71.4 | | 71.8 |
| 15-17 years | 22.5 | 18.5 | 12.2 | 45.5 | | 47.6 |
| 18-19 years | 60.1 | 51.3 | 39.0 | 109.4 | | 110.4 |
| 20-24 years | 73.8 | 63.1 | 46.3 | 127.5 | | 150.5 |
| 5-29 years | 63.7 | 58.1 | 38.4 | 88.2 | | 150.3 |
| 80-34 years | 41.9 | 38.4 | 25.5 | 52.9 | | 106.5 |
| 35-39 years | 20.8 | 18.8 | 13.2 | 25.9 | | 53.2 |
| 10-44 years ⁴ | 5.3 | 4.8 | 3.6 | 6.3 | | 12.5 |
| Percent of births to unmarried women | | | | | | |
| All ages | 33.5 | 27.7 | 22.5 | 68.4 | 68.6 | 42.5 |
| Inder 15 years | 96.3 | 93.6 | 96.3 | 99.6 | 99.6 | 92.1 |
| 5-19 years | 78.9 | 73.1 | 74.0 | 95.6 | 95.8 | 72.1 |
| 15 years | 93.7 | 90.5 | 92.9 | 99.3 | 99.3 | 88.7 |
| 16 years | 89.6 | 85.6 | 87.8 | 98.8 | 98.9 | 83.5 |
| 17 years | 85.3 | 80.6 | 83.2 | 98.1 | 98.1 | 77.6 |
| 18 years | 79.2 | 73.5 | 75.4 | 95.9 | 96.0 | 70.9 |
| 19 years | 71.4 | 64.9 | 65.6 | 92.4 | 92.6 | 64.0 |
| 20-24 years | 50.4 | 43.0 | 39.8 | 80.7 | 80.9 | 49.9 |
| 25-29 years | 24.4 | 43.0 19.6 | 14.8 | 57.6 | 57.7 | 49.9 33.5 |
| | 14.3 | 11.3 | 7.9 | 43.1 | 43.2 | 25.9 |
| 80-34 years | 14.3 | 11.5 | 8.5 | 40.0 | 39.9 | 25.9 |
| 10 years and over | 17.1 | 14.2 | 11.1 | 40.0 | 40.6 | 28.4 |
| +0 years and 0ver | 17.1 | 14.4 | 11.1 | 40.7 | 40.0 | 20.4 |

Data not available.

1 2

Includes all persons of Hispanic origin of any race.
 Birth rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years.
 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 on the birth certificate; for Michigan and New York, mother's marital status is inferred;

See Technical notes. Rates cannot be computed for unmarried non-flispanic black women because the necessary populations are not available. Denominators for population-based rates are derived from the 1990 U.S.Census. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-2001, and by age, race, and Hispanic origin of mother: United States, 1980-2001

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1]

| | | | | | Age of mother | | | | |
|---------------------------------|-----------------------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|
| Year and race | | | 15-19 years | | | | | | |
| and Hispanic origin | 15-44 years ¹ | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years ² |
| All races ³ | | | | | | | | | |
| 001 ⁴ | 45.0 | 37.4 | 22.5 | 60.1 | 73.8 | 63.7 | 41.9 | 20.8 | 5.3 |
| 000 ⁴ | 45.2 | 39.6 | 24.4 | 62.9 | 74.5 | 62.2 | 40.7 | 20.0 | 5.0 |
| 999 ⁴ | 44.4 | 40.4 | 25.5 | 63.3 | 72.9 | 60.2 | 39.3 | 19.3 | 4.6 |
| 998 ⁴ | 44.3 | 41.5 | 27.0 | 64.5 | 72.3 | 58.4 | 39.1 | 19.0 | 4.6 |
| 997 ⁴ | 44.0 | 42.2 | 28.2 | 65.2 | 71.0 | 56.2 | 39.0 | 19.0 | 4.6 |
| 996 ⁴ | 44.8 | 42.9 | 29.0 | 65.9 | 70.7 | 56.8 | 41.1 | 20.1 | 4.8 |
| 995 ⁴ | 45.1 | 44.4 | 30.5 | 67.6 | 70.3 | 56.1 | 39.6 | 19.5 | 4.7 |
| 994 ⁴ | 46.9 | 46.4 | 32.0 | 70.1 | 72.2 | 59.0 | 40.1 | 19.8 | 4.7 |
| 993 ⁴ | 45.3 | 44.5 | 30.6 | 66.9 | 69.2 | 57.1 | 38.5 | 19.0 | 4.4 |
| 992 ⁴ | 45.2 | 44.6 | 30.4 | 67.3 | 68.5 | 56.5 | 37.9 | 18.8 | 4.1 |
| 991 ⁴ | 45.2 | 44.8 | 30.9 | 65.7 | 68.0 | 56.5 | 38.1 | 18.0 | 3.8 |
| 990 ⁴ | 43.8 | 42.5 | 29.6 | 60.7 | 65.1 | 56.0 | 37.6 | 17.3 | 3.6 |
| 989 ⁴ | 41.6 | 40.1 | 28.7 | 56.0 | 61.2 | 52.8 | 34.9 | 16.0 | 3.4 |
| 988 4 | 38.5 | 36.4 | 26.4 | 51.5 | 56.0 | 48.5 | 32.0 | 15.0 | 3.2 |
| 987 ⁴ | 36.0 | 33.8 | 24.5 | 48.9 | 52.6 | 44.5 | 29.6 | 13.5 | 2.9 |
| 986 ⁴ | 34.2 | 32.3 | 22.8 | 48.0 | 49.3 | 42.2 | 27.2 | 12.2 | 2.7 |
| 985 ⁴ | 32.8 | 31.4 | 22.4 | 45.9 | 46.5 | 39.9 | 25.2 | 11.6 | 2.5 |
| 984 ^{4, 5} | 31.0 | 30.0 | 21.9 | 42.5 | 43.0 | 37.1 | 23.3 | 10.9 | 2.5 |
| 983 4, 5 | 30.3 | 29.5 | 22.0 | 40.7 | 41.8 | 35.5 | 22.4 | 10.3 | 2.6 |
| 982 4, 5 | 30.0 | 28.7 | 21.5 | 39.6 | 41.5 | 35.1 | 21.9 | 10.0 | 2.7 |
| 981 ^{4, 5} | 29.5 | 27.9 | 20.9 | 39.0 | 41.1 | 34.5 | 20.8 | 9.8 | 2.6 |
| 980 ^{4, 5} | 29.4 | 27.6 | 20.6 | 39.0 | 40.9 | 34.0 | 21.1 | 9.7 | 2.6 |
| | aa (| | ~~ = | ~~ - | | | 40 F | | |
| 980 ^{5, 6} | 28.4 | 27.5 | 20.7 | 38.7 | 39.7 | 31.4 | 18.5 | 8.4 | 2.3 |
| 970 6, 7 | 24.5 26.4 | 23.9 22.4 | 19.3 17.1 | 32.5 32.9 | 31.2 38.4 | 27.5 37.0 | 17.9 27.1 | 9.1 13.6 | 2.6 3.5 |
| | 2011 | | | 02.0 | | 0/10 | | | 0.0 |
| White, total | | | | | | | | | |
| 001 4 | 39.2 | 31.5 | 18.5 | 51.3 | 63.1 | 58.1 | 38.4 | 18.8 | 4.8 |
| 000 4 | 38.9 | 33.1 | 20.0 | 53.2 | 62.9 | 55.9 | 37.0 | 18.0 | 4.5 |
| 999 ⁴ | 38.1 | 33.7 | 21.0 | 53.3 | 61.4 | 53.4 | 35.8 | 17.5 | 4.1 |
| 998 ⁴ | 37.5 | 34.0 | 21.8 | 53.5 | 60.5 | 50.9 | 34.9 | 17.0 | 4.0 |
| 997 ⁴ | 37.0 | 34.2 | 22.4 | 53.6 | 59.2 | 49.3 | 34.4 | 16.7 | 3.9 |
| 996 ⁴ | 37.6 | 34.5 | 22.7 | 54.1 | 59.0 | 49.9 | 36.1 | 17.8 | 4.3 |
| 995 ⁴ | 37.5 | 35.5 | 23.6 | 55.4 | 58.0 | 48.7 | 34.2 | 16.9 | 4.2 |
| 994 ⁴ | 38.3 | 36.2 | 24.1 | 56.4 | 58.1 | 49.7 | 34.2 | 17.3 | 4.3 |
| 993 ⁴ | 35.9 | 33.6 | 22.1 | 52.4 | 54.2 | 46.7 | 32.2 | 16.4 | 3.9 |
| 992 ⁴ | 35.2 | 33.0 | 21.6 | 51.5 | 52.7 | 45.4 | 31.5 | 16.2 | 3.6 |
| 991 ⁴ | 34.6 | 32.8 | 21.8 | 49.6 | 51.5 | 44.6 | 31.1 | 15.2 | 3.2 |
| 990 ⁴ | 32.9 | 30.6 | 20.4 | 44.9 | 48.2 | 43.0 | 29.9 | 14.5 | 3.2 |
| 989 ⁴ | 30.2 | 28.0 | 19.3 | 40.2 | 43.8 | 39.1 | 26.8 | 13.1 | 2.9 |
| 988 ⁴ | 27.4 | 25.3 | 17.6 | 36.8 | 39.2 | 35.4 | 24.2 | 12.1 | 2.3 |
| 987 ⁴ | 25.3 | 23.2 | 16.2 | 34.5 | 36.6 | 32.0 | 22.3 | 10.7 | 2.4 |
| 986 ⁴ | 23.9 | 21.8 | 14.9 | 33.5 | 34.2 | 30.5 | 20.1 | 9.7 | 2.2 |
| 985 ⁴ | 22.5 | 20.8 | 14.5 | 31.2 | 31.7 | 28.5 | 18.4 | 9.0 | 2.0 |
| 984 ⁴ , ⁵ | 20.6 | 19.3 | 13.7 | 27.9 | 28.5 | 25.5 | 16.8 | 8.4 | 2.0 |
| 983 4, 5 | 19.8 | 18.7 | 13.6 | 26.4 | 27.1 | 23.8 | 15.9 | 7.8 | 2.0 |
| 982 ^{4, 5} | 19.8 | 18.0 | 13.1 | 25.3 | 26.5 | 23.0 | 15.3 | 7.8 | 2.0 |
| 982 ^{4, 5} | 18.6 | 17.2 | 12.6 | 25.3 24.6 | 26.5 25.8 | 23.1 | 14.2 | 7.4 | 2.1 |
| 980 ⁴ , ⁵ | 18.1 | 16.5 | 12.0 | 24.0 | 25.0 | 22.3 | 14.2 | 7.2 | 1.9 |
| White, non-Hispanic | | | | | | | | | |
| | | | | | | | | | |
| 001 4 | 27.7 | 22.9 | 12.2 | 39.0 | 46.3 | 38.4 | 25.5 | 13.2 | 3.6 |
| 000 4 | 27.9 | 24.5 | 13.6 | 41.4 | 46.6 | 37.6 | 25.0 | 12.9 | 3.3 |
| 999 4 | 27.9 | 25.5 | 14.6 | 42.3 | 46.0 | 37.0 | 25.0 | 13.0 | 3.1 |
| 998 4 | 28.0 | 26.1 | 15.6 | 42.8 | 46.0 | 36.1 | 25.2 | 13.1 | 3.0 |
| 997 4 | 27.6 | 26.4 | 16.2 | 43.1 | 44.8 | 35.2 | 25.1 | 12.7 | 2.9 |
| 996 ⁴ | 28.3 | 27.0 | 16.9 | 43.8 | 44.5 | 35.7 | 26.6 | 13.9 | 3.3 |
| 995 4 | 28.2 | 27.7 | 17.6 | 44.5 | 43.8 | 34.9 | 25.3 | 13.0 | 3.2 |
| 994 ⁴ | 28.5 | 28.1 | 18.0 | 45.0 | 43.8 | 35.0 | 24.8 | 12.9 | 3.1 |
| 993 4 | | | | | | | | | |
| 992 ⁴ | | | | | | | | | |
| 991 4 | | | | | | | | | |
| 990 4, 8 | 24.4 | 25.0 | 16.2 | 37.0 | 36.4 | 30.3 | 20.5 | 6.1 | |
| | | | | | | | | | |

See footnotes at end of table.

Table 18. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980-2001, and by age, race, and Hispanic origin of mother: United States, 1980-2001 -- Con.

[Rates are live births to unmarried women per 1,000 unmarried women. Population estimated as of July 1]

| | | | | | Age of mother | | | | |
|--|-----------------------------|-------|----------------|----------------|----------------|----------------|----------------|--|-----------------------------|
| Year and race | | | 15-19 years | | 00.04 | 05.00 | 00.04 | 35-39 | 40.44 |
| and Hispanic origin | 15-44 years ¹ | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 25.9 25.9 24.7 24.7 25.5 25.6 26.3 25.9 25.8 25.9 25.8 25.9 25.8 25.9 25.5 24.9 24.1 22.4 20.6 20.4 19.4 | 40-44 years ² |
| Black, total | | | | | | | | | |
| 2001 ⁴ | 70.1 | 71.4 | 45.5 | 109.4 | 127.5 | 88.2 | 52.9 | 25.9 | 6.3 |
| 2000 4 | 72.5 | 77.0 | 49.9 | 116.9 | 132.8 | 89.6 | 51.9 | | 6.3 |
| 1999 ⁴ | 71.5 | 78.4 | 51.5 | 117.9 | 130.3 | 89.6 | 50.3 | | 5.9 |
| 1998 ⁴ | 73.3 | 83.4 | 56.5 | 123.5 | 131.0 | 90.3 | 51.7 | | 6.1 |
| 1997 ⁴ | 73.4 | 86.4 | 60.6 | 127.2 | 127.8 | 85.2 | 52.3 | | 6.5 |
| 1996 ⁴ | 74.4 | 89.2 | 64.0 | 129.2 | 125.8 | 84.5 | 54.5 | | 6.1 |
| 1995 ⁴ | 75.9 | 92.8 | 68.6 | 131.2 | 127.7 | 84.8 | 54.3 | | 6.0 |
| 1994 ⁴ | 82.1 | 100.9 | 75.1 | 141.6 | 138.1 | 93.6 | 57.2 | | 5.9 |
| 1993 ⁴ | 84.0 | 102.4 | 76.8 | 141.6 | 142.2 | 94.5 | 57.3 | | 5.8 |
| 1992 ⁴ | 86.5 | 105.9 | 78.0 | 147.8 | 144.3 | 98.2 | 57.7 | | 5.4 |
| 1991 ⁴ | 89.5 | 108.5 | 80.4 | 148.7 | 147.5 | 100.9 | 60.1 | | 5.4 |
| 1990 ⁴ | 90.5 | 106.0 | 78.8 | 143.7 | 144.8 | 105.3 | 61.5 | | 5.4 |
| 1990 | 90.5 | 104.5 | 78.9 | 140.9 | 144.0 | 102.9 | 60.5 | | 5.0 |
| 1989 ⁴ 1988 ⁴ | 86.5 | 96.1 | 73.5 | 130.5 | 133.6 | 97.2 | 57.4 | | 5.0 |
| | | | 69.9 | | | | | | 3.0 4.7 |
| | 82.6 | 90.9 | | 123.0 | 126.1 | 91.6 | 53.1 | | |
| | 79.0 | 88.5 | 67.0 | 121.1 | 118.0 | 84.6 | 50.0 | | 4.4 |
| | 77.0 | 87.6 | 66.8 | 117.9 | 113.1 | 79.3 | 47.5 | | 4.3 |
| 1984 ^{4, 5} | 75.2 | 86.1 | 66.5 | 113.6 | 107.9 | 77.8 | 43.8 | | 4.3 |
| 1983 4, 5 | 76.2 | 85.5 | 66.8 | 111.9 | 107.2 | 79.7 | 43.8 | 19.4 | 4.8 |
| 1982 ^{4, 5} | 77.9 | 85.1 | 66.3 | 112.7 | 109.3 | 82.7 | 44.1 | 19.5 | 5.2 |
| 1981 4, 5 | 79.4 | 85.0 | 65.9 | 114.2 | 110.7 | 83.1 | 45.5 | 19.6 | 5.6 |
| 1980 ^{4, 5} | 81.1 | 87.9 | 68.8 | 118.2 | 112.3 | 81.4 | 46.7 | 19.0 | 5.5 |
| Hispanic ⁹ | | | | | | | | | |
| 2001 ⁴ | 98.0 | 71.8 | 47.6 | 110.4 | 150.5 | 150.3 | 106.5 | 53.2 | 12.5 |
| 2000 4 | 97.3 | 74.2 | 51.0 | 110.6 | 150.2 | 149.5 | 101.5 | 48.4 | 12.4 |
| 1999 ⁴ | 93.4 | 73.8 | 52.4 | 107.6 | 143.3 | 143.6 | 93.3 | 44.1 | 11.3 |
| 1998 ⁴ | 90.1 | 73.9 | 53.0 | 107.8 | 135.0 | 136.0 | 85.4 | 40.1 | 12.0 |
| 997 ⁴ | 91.4 | 75.2 | 55.0 | 109.5 | 139.1 | 135.0 | 86.1 | 42.0 | 12.2 |
| 996 ⁴ | 93.2 | 74.5 | 53.4 | 110.4 | 146.5 | 139.1 | 90.8 | 42.3 | 12.3 |
| 1995 ⁴ | 95.0 | 78.7 | 56.3 | 117.9 | 148.9 | 133.8 | 89.2 | 43.4 | 12.0 |
| 1994 ⁴ | 101.2 | 82.6 | 59.0 | 123.6 | 154.8 | 141.6 | 95.5 | 48.4 | 14.0 |
| 1993 ⁴ | 95.2 | 74.6 | 51.9 | 114.6 | 140.5 | 137.7 | 90.9 | 47.8 | 14.0 |
| 1992 ⁴ | 95.2 | 72.9 | 51.0 | 110.5 | 140.5 | 138.3 | 91.8 | 48.1 | 14.1 |
| 1992 ⁴ | 93.7 | 72.4 | 50.5 | 109.6 | 135.4 | 137.5 | 89.1 | 47.7 | 14.3 |
| 1991 ⁴ . 8 | 93.7 89.6 | 65.9 | 45.9 | 98.9 | 129.8 | 137.5 | 88.1 | 50.8 | 14.2 |
| 1330 | 03.0 | 05.5 | 40.5 | 30.3 | 123.0 | 101.7 | 00.1 | 50.0 | 10.7 |

--- Data not available.

1 Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15-44 years. 2 Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40-44 years.

3 Includes races other than white and black. 4 Data for States in which marital status was not reported have been inferred and included with data from the remaining States; see Technical notes.

5 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes. 6 Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see Technical notes.

7 Based on a 50-percent sample of births. 8 Rates for 1990 based on data for 48 States and the District of Columbia which reported Hispanic origin on the birth certificate. Rate shown for ages 35-39 years is based on births to unmarried

women aged 35-44 years. 9 Includes all persons of Hispanic origin of any race.

NOTES: Rates cannot be computed for unmarried non-Hispanic black women because the necessary populations are not available. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S.Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 19. Number and percent of births to unmarried women by race and Hispanic origin of mother: United States, each State and territory, 2001

[By place of residence]

| | | Bir | ths to unma | rried wom | en | | | | Percent u | unmarried | | |
|----------------------------|---------------------------|-----------------|------------------|------------------|------------------|-----------------------|---------------------------|--------------|------------------|--------------|------------------|-----------------------|
| | | Wh | nite | Bla | ack | | | Wł | nite | Bla | ack | _ |
| State | All races ¹ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ² | All races ¹ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ² |
| United States ³ | 1,349,249 | 879,848 | 524,371 | 414,533 | 404,503 | 361,689 | 33.5 | 27.7 | 22.5 | 68.4 | 68.6 | 42.5 |
| Alabama | 20,777 | 7,638 | 7,072 | 13,028 | 13,023 | 557 | 34.4 | 18.8 | 18.4 | 67.9 | 67.9 | 24.7 |
| Alaska | 3,281 | 1,422 | 1,205 | 196 | 167 | 225 | 32.8 | 22.3 | 21.6 | 44.4 | 43.0 | 34.5 |
| Arizona | 33,776 | 27,790 | 9,450 | 1,764 | 1,632 | 18,400 | 39.5 | 36.9 | 24.3 | 63.9 | 63.8 | 50.9 |
| Arkansas | 13,378 | 7,546 | 6,558 | 5,642 | 5,635 | 979 | 36.1 | 26.2 | 25.1 | 75.9 | 75.9 | 37.0 |
| California | 172,764 | 141,305 | 33,422 | 21,145 | 20,395 | 108,473 | 32.7 | 33.0 | 20.0 | 62.6 | 62.7 | 41.5 |
| Colorado | 16,732 | 14,625 | 7,201 | 1,525 | 1,447 | 7,613 | 25.0 | 24.0 | 17.2 | 51.3 | 51.1 | 38.6 |
| Connecticut | 12,433 | 8,814 | 4,538 | 3,391 | 3,259 | 4,271 | 29.2 | 24.8 | 16.0 | 66.0 | 66.1 | 61.8 |
| Delaware | 4,290 | 2,304 | 1,713 | 1,952 | 1,936 | 598 | 39.9 | 30.0 | 26.0 | 72.0 | 72.1 | 55.2 |
| District of Columbia | 4,376 | 617 | 131 | 3,727 | 3,693 | 491 | 57.4 | 24.0 | 7.8 | 76.7 | 76.9 | 54.9 |
| Florida | 80,221 | 47,056 | 28,635 | 31,784 | 31,111 | 19,315 | 39.0 | 30.9 | 27.5 | 67.4 | 67.7 | 38.9 |
| Georgia | 49,834 | 20,554 | 14,413 | 28,740 | 28,470 | 6,162 | 37.3 | 24.0 | 20.8 | 65.7 | 66.1 | 39.3 |
| Hawaii | 5,632 | 706 | 528 | 110 | 97 | 989 | 33.0 | 18.5 | 16.9 | 20.9 | 19.6 | 44.2 |
| Idaho Illinois | 4,557 63.449 | 4,281 37.345 | 3,260 20,316 | 35 25,401 | 32 25.265 | 942 17,150 | 22.0 34.5 | 21.5 26.2 | 19.3 20.0 | 40.7 76.5 | 41.0 76.6 | 34.2 41.9 |
| Indiana | 30,676 | 23.146 | 20,310 | 7,312 | 7,260 | 2,820 | 34.5 | 30.7 | 20.0 | 76.5 | 75.8 | 41.8 |
| lowa | 10,824 | 9,589 | 8,672 | 942 | 921 | 2,820 | 28.8 | 27.1 | 29.2 | 75.8 | 75.8 | 47.0 |
| Kansas | 11.628 | 9,309 | 7,202 | 1,947 | 1,927 | 2,063 | 20.0 | 26.9 | 20.2 | 74.4 | 74.5 | 41.4 |
| Kentucky | 17,317 | 13,639 | 13,038 | 3,540 | 3,529 | 2,003 | 31.7 | 20.9 | 24.5 | 70.0 | 70.1 | 40.3 |
| Louisiana | 30,267 | 9,664 | 9,153 | 20,218 | 20,196 | 532 | 46.3 | 26.2 | 27.5 | 74.7 | 71.9 | 34.2 |
| Maine | 4,369 | 4,196 | 4,123 | 61 | 20,190 | 65 | 31.8 | 31.6 | 31.5 | 39.9 | 39.4 | 37.6 |
| Maryland | 25,198 | 10,381 | 8,093 | 14,429 | 14,326 | 2,303 | 34.4 | 23.0 | 20.3 | 59.5 | 59.6 | 43.4 |
| Massachusetts | 21,641 | 15,961 | 11,064 | 4,835 | 3,830 | 5,756 | 26.7 | 23.5 | 18.6 | 58.9 | 58.5 | 60.9 |
| Michigan | 45,742 | 27,719 | 24,284 | 17,332 | 17,228 | 3,071 | 34.3 | 26.3 | 25.2 | 73.4 | 73.6 | 41.9 |
| Minnesota | 17,782 | 13,174 | 10,958 | 2,739 | 2,684 | 2,179 | 26.3 | 22.7 | 20.6 | 57.5 | 57.3 | 48.0 |
| Mississippi | 19,582 | 5,111 | 4,819 | 14,230 | 14,227 | 290 | 46.3 | 22.4 | 21.8 | 75.6 | 75.6 | 40.3 |
| Missouri | 26,235 | 17,345 | 16,101 | 8,504 | 8,471 | 1,261 | 34.8 | 27.8 | 27.1 | 76.4 | 76.4 | 42.3 |
| Montana | 3,440 | 2,437 | 2,188 | 26 | 24 | 153 | 31.4 | 25.8 | 24.9 | 61.9 | 63.2 | 40.6 |
| Nebraska | 6,870 | 5,542 | 4,211 | 939 | 925 | 1,212 | 27.7 | 24.6 | 22.1 | 68.4 | 68.3 | 41.1 |
| Nevada | 11,679 | 9,078 | 4,407 | 1,739 | 1,677 | 4,635 | 37.2 | 34.5 | 28.8 | 69.1 | 69.5 | 42.7 |
| New Hampshire | 3,542 | 3,416 | 3,035 | 85 | 65 | 190 | 24.2 | 24.5 | 23.6 | 40.9 | 40.9 | 37.3 |
| New Jersey | 33,807 | 19,831 | 8,425 | 13,357 297 | 12,298 | 12,380 | 29.2 46.3 | 23.3 42.6 | 13.3 27.4 | 64.9 | 65.7 57.1 | 52.7 52.2 |
| New Mexico | 12,552 | 9,714 | 2,404 | | 277 | 7,375 | 46.3 35.7 | | | 58.1 | | 52.2 59.2 |
| New York North Carolina | 90,746 40,507 | 52,619 | 23,366 13,821 | 34,652 18,693 | 30,849 18,628 | 32,298 6,723 | 34.3 | 28.9 24.0 | 17.9 19.5 | 66.4 65.8 | 66.0 65.9 | 46.2 |
| North Dakota | 2,127 | 20,513 1,503 | 1,399 | 29 | 29 | 42 | 27.9 | 24.0 | 22.2 | 28.4 | 28.7 | 30.0 |
| Ohio | 53,239 | 35,425 | 33,184 | 17,363 | 17,230 | 2,271 | 35.1 | 28.2 | 27.5 | 75.5 | 75.7 | 49.4 |
| Oklahoma | 17,637 | 11,565 | 9,587 | 3,253 | 3,227 | 2,035 | 35.2 | 20.2 | 27.9 | 70.5 | 70.6 | 41.2 |
| Oregon | 13,764 | 12,315 | 9,086 | 609 | 586 | 3,256 | 30.4 | 29.8 | 27.2 | 64.5 | 64.5 | 41.2 |
| Pennsylvania | 48,536 | 32,400 | 27,318 | 15,480 | 15,009 | 4,980 | 33.8 | 27.2 | 24.7 | 76.5 | 76.5 | 60.8 |
| Rhode Island | 4,543 | 3,532 | 1,929 | 757 | 679 | 1,302 | 35.7 | 32.2 | 25.1 | 68.1 | 68.3 | 59.3 |
| South Carolina | 22,343 | 8,617 | 7,382 | 13,521 | 13,494 | 1,259 | 40.1 | 24.0 | 22.4 | 71.4 | 71.5 | 42.1 |
| South Dakota | 3,516 | 2,053 | 1,956 | 44 | 42 | 134 | 33.5 | 24.2 | 23.7 | 43.6 | 43.3 | 52.1 |
| Tennessee | 27,974 | 15,608 | 13,940 | 12,064 | 12,044 | 1,698 | 35.7 | 25.9 | 24.7 | 72.7 | 72.7 | 43.5 |
| Texas | 113,420 | 86,986 | 28,958 | 25,159 | 24,859 | 57,981 | 31.0 | 27.9 | 20.8 | 61.7 | 61.8 | 33.6 |
| Utah | 8,327 | 7,573 | 5,004 | 152 | 144 | 2,539 | 17.4 | 16.7 | 12.9 | 44.4 | 44.3 | 38.8 |
| Vermont | 1,972 | 1,939 | 1,863 | 14 | 13 | 11 | 31.0 | 31.1 | 31.0 | * | * | |
| Virginia | 29,930 | 15,440 | 11,830 | 14,011 | 13,925 | 3,648 | 30.3 | 21.8 | 19.1 | 62.9 | 63.1 | 39.9 |
| Washington | 22,880 | 18,519 | 13,399 | 1,779 | 1,726 | 4,961 | 28.8 | 27.5 | 24.6 | 53.4 | 53.6 | 40.9 |
| West Virginia | 6,638 | 6,072 | 6,024 | 541 | 537 | 30 | 32.5 | 31.0 | 31.0 | 76.8 | 76.9 | 36.1 |
| Wisconsin Wyoming | 20,686 1,813 | 14,325 1,592 | 12,105 1,364 | 5,411 29 | 5,371 28 | 2,303 236 | 29.9 29.6 | 24.1 27.8 | 22.3 26.4 | 82.4 44.6 | 82.4 43.8 | 44.7 41.5 |
| Puerto Rico | 28,529 | 25,495 | | 3,024 | | | 51.1 | 49.7 | | 66.3 | | |
| Virgin Islands | 1,115 | 23,495 | 29 | 890 | 794 | 255 | 66.8 | 58.6 | 36.7 | 72.4 | 72.8 | 66.2 |
| Guam | 1,985 | 32 | 29 27 | 5 | 794 5 | 255 | 55.7 | 13.7 | 12.9 | 12.4 | 12.0 | 00.2 |
| American Samoa | 469 | 1 | 21 | - | | | 28.3 | * | 12.9 | * | | |
| onoan oannoa minin | 826 | 4 | | | | | 57.5 | * | | | | |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
- Quantity zero.
--- Data not available.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.
3 Excludes data for the territories.

Table 20. Birth rates by age and race of father: United States, 1980-2001

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

| Veer and rece of | 15 54 | | | | | Age of father | | | | |
|--|-----------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|
| Year and race of father | 15-54 years ¹ | 15-19 years ² | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years | 55 years and over |
| All races ³ | | | | | | | | | | |
| 2001 | 50.6 | 18.7 | 81.7 | 116.9 | 106.5 | 58.4 | 22.2 | 7.4 | 2.4 | 0.4 |
| 2000 | 51.6 | 20.2 | 84.5 | 117.4 | 105.8 | 57.4 | 22.0 | 7.4 | 2.5 | 0.3 |
| 1999 | 50.8 | 21.0 | 83.8 | 114.8 | 101.6 | 54.9 | 21.1 | 7.2 | 2.5 | 0.3 |
| 1998 1997 | 51.0 50.4 | 21.6 22.2 | 84.8 83.4 | 112.6 108.5 | 99.2 95.7 | 53.9 52.1 | 20.9 20.6 | 7.2 7.1 | 2.5 2.5 | 0.3 0.3 |
| 1996 | 51.1 | 23.0 | 84.4 | 100.5 | 94.3 | 51.5 | 20.0 | 6.9 | 2.5 | 0.3 |
| 1995 | 52.0 | 24.3 | 86.0 | 107.2 | 93.3 | 51.0 | 20.3 | 7.1 | 2.6 | 0.3 |
| 1994 | 53.2 | 25.0 | 87.3 | 108.8 | 93.3 | 50.9 | 20.2 | 7.2 | 2.6 | 0.3 |
| 1993 | 54.4 | 24.8 | 87.1 | 110.8 | 93.5 | 51.1 | 20.2 | 7.3 | 2.7 | 0.4 |
| 1992 1991 | 55.8 57.1 | 24.6 24.8 | 87.7 88.0 | 113.1 114.7 | 94.2 95.1 | 51.3 51.8 | 20.4 20.2 | 7.3 7.5 | 2.7 2.7 | 0.4 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 1985 | 54.8 55.6 | 17.9 18.0 | 80.3 81.2 | 109.6 112.3 | 90.3 91.1 | 46.8 47.3 | 18.3 18.1 | 6.7 6.6 | 2.6 2.5 | 0.4 0.4 |
| 1984 ⁴ | 55.0 | 17.8 | 80.7 | 111.4 | 89.9 | 46.0 | 17.8 | 6.3 | 2.3 | 0.4 |
| 1983 4 | 55.1 | 18.2 | 82.6 | 113.0 | 89.1 | 45.2 | 17.4 | 6.4 | 2.3 | 0.4 |
| 19824 | 56.4 | 18.6 | 86.5 | 117.3 | 90.3 | 44.5 | 17.5 | 6.4 | 2.3 | 0.4 |
| 1981 ⁴ | 56.3 | 18.4 | 88.4 | 119.1 | 88.7 | 43.3 | 17.0 | 6.2 | 2.3 | 0.4 |
| 1980 ⁴ | 57.0 | 18.8 | 92.0 | 123.1 | 91.0 | 42.8 | 17.1 | 6.1 | 2.2 | 0.3 |
| White | | | | | | | | | | |
| 2001 | 48.3 | 15.6 | 75.5 | 116.7 | 107.2 | 57.0 | 20.6 | 6.6 | 2.1 | 0.3 |
| 2000 | 48.9 | 16.8 | 77.6 | 116.4 | 105.9 | 55.7 | 20.4 | 6.5 | 2.1 | 0.3 |
| 1999 | 48.2 | 17.5 | 76.8 | 113.4 | 101.7 | 53.4 | 19.6 | 6.4 | 2.1 | 0.3 |
| 1998 1997 | 48.3 47.7 | 18.0 18.2 | 77.5 76.1 | 110.9 106.8 | 99.1 95.3 | 52.5 50.6 | 19.4 19.1 | 6.4 6.3 | 2.2 2.1 | 0.3 0.3 |
| 1996 | 48.4 | 18.8 | 77.2 | 106.4 | 94.0 | 50.2 | 19.0 | 6.2 | 2.1 | 0.3 |
| 1995 | 49.2 | 19.7 | 78.5 | 105.7 | 92.9 | 49.6 | 19.0 | 6.3 | 2.2 | 0.2 |
| 1994 | 50.0 | 19.8 | 78.5 | 106.4 | 92.5 | 49.3 | 18.9 | 6.3 | 2.2 | 0.3 |
| 1993 | 50.9 52.2 | 19.2 | 77.9 78.2 | 108.0 110.1 | 92.4 93.2 | 49.2 | 18.6 18.8 | 6.4 6.4 | 2.2 2.2 | 0.2 0.3 |
| 1992 1991 | 53.3 | 18.9 19.1 | 78.4 | 111.5 | 93.6 | 49.3 49.7 | 18.5 | 6.5 | 2.2 | 0.3 |
| 1990 | 54.6 | 18.1 | 78.3 | 113.2 | 96.1 | 50.9 | 19.2 | 6.5 | 2.2 | 0.3 |
| 1989 | 53.3 | 16.7 | 75.9 | 110.8 | 93.0 | 49.1 | 18.7 | 6.3 | 2.1 | 0.4 |
| 1988 | 52.2 | 14.8 | 73.7 | 108.3 | 91.2 | 47.6 | 18.1 | 6.1 | 2.1 | 0.3 |
| 1987 1986 | 51.6 51.7 | 13.9 13.8 | 72.8 73.3 | 107.0 107.0 | 89.5 88.7 | 46.2 44.4 | 17.3 16.6 | 5.9 5.7 | 2.0 2.0 | 0.3 0.3 |
| 1985 | 52.6 | 14.0 | 74.7 | 109.9 | 89.5 | 44.8 | 16.3 | 5.6 | 1.9 | 0.3 |
| 1984 ⁴ | 51.8 | 14.0 | 74.3 | 108.8 | 87.9 | 43.5 | 16.0 | 5.3 | 1.9 | 0.3 |
| 1983 ⁴ | 52.0 | 14.4 | 76.3 | 110.2 | 86.8 | 42.6 | 15.5 | 5.3 | 1.8 | 0.3 |
| 1982 ⁴ 1981 ⁴ | 53.1 52.9 | 14.9 15.0 | 80.1 81.7 | 114.2 115.8 | 87.5 85.8 | 41.7 40.3 | 15.6 15.0 | 5.3 5.2 | 1.9 1.8 | 0.3 0.3 |
| 1980 ⁴ | 53.4 | 15.4 | 84.9 | 119.4 | 87.8 | 39.7 | 15.0 | 5.1 | 1.8 | 0.3 |
| Black | 00.1 | | 0.110 | | 0110 | 0011 | 1010 | 011 | | 010 |
| 2001 | 64.9 | 37.1 | 126.6 | 130.7 | 100.2 | 57.9 | 28.3 | 12.2 | 5.0 | 1.0 |
| 2000 | 67.6 | 40.1 | 133.8 | 135.6 | 99.6 | 57.9 | 28.3 | 12.0 | 5.3 | 1.0 |
| 1999 | 66.9 | 41.5 | 133.5 | 134.0 | 95.4 | 55.2 | 26.6 | 11.6 | 5.3 | 1.0 |
| 1998 1997 | 68.1 68.0 | 43.3 45.6 | 136.8 136.6 | 134.4 130.2 | 94.3 91.8 | 54.9 53.3 | 26.7 26.1 | 11.9 11.7 | 5.3 5.5 | 1.0 1.1 |
| 1997 | 68.3 | 45.0 | 138.0 | 127.2 | 89.3 | 52.3 | 25.7 | 11.6 | 5.5 | 1.1 |
| 1995 | 70.1 | 50.5 | 140.5 | 126.6 | 89.6 | 52.6 | 25.7 | 12.1 | 5.6 | 1.1 |
| 1994 | 74.9 | 54.6 | 150.5 | 131.9 | 92.9 | 54.2 | 26.4 | 13.0 | 6.0 | 1.1 |
| 1993 1992 | 78.3 81.0 | 56.6 57.4 | 153.8 158.0 | 136.0 140.1 | 95.3 96.8 | 56.6 56.9 | 27.7 28.4 | 13.5 13.9 | 6.4 6.2 | 1.3 1.4 |
| 1992 | 83.4 | 58.0 | 158.5 | 143.3 | 100.1 | 58.8 | 29.4 | 14.2 | 6.7 | 1.4 |
| 1990 | 84.9 | 55.2 | 158.2 | 144.9 | 103.2 | 60.4 | 31.1 | 15.0 | 7.1 | 1.4 |
| 1989 | 84.1 | 52.9 | 153.4 | 143.5 | 101.4 | 59.9 | 31.1 | 14.9 | 6.9 | 2.7 |
| 1988 | 80.7 | 48.1 | 144.1 | 137.9 | 100.0 | 58.0 | 30.6 | 14.3 | 6.9 | 1.4 |
| 1987 1986 | 78.3 77.2 | 44.6 42.6 | 136.1 131.4 | 133.9 131.6 | 97.4 97.4 | 58.0 58.0 | 30.0 29.1 | 13.8 13.5 | 6.6 6.7 | 1.3 1.3 |
| 1985 | 77.2 | 42.0 | 129.5 | 132.7 | 97.4 | 59.4 | 29.1 | 13.5 | 6.5 | 1.3 |
| 1984 ⁴ | 76.7 | 40.9 | 128.0 | 132.2 | 98.3 | 58.4 | 29.3 | 13.3 | 6.1 | 1.2 |
| 1984 ⁴ 1983 ⁴ | 77.2 | 40.7 | 129.1 | 134.4 | 99.0 | 59.6 | 29.6 | 13.5 | 6.0 | 1.2 |
| 1982 4 | 79.5 | 40.3 | 133.4 | 141.2 | 103.6 | 61.1 | 29.6 | 13.9 | 6.0 | 1.2 |
| 1981 ⁴ | 80.4 | 38.9 | 138.4 | 145.6 | 104.3 | 61.3 | 29.7 | 13.3 | 5.7 | 1.2 |
| 1980 ⁴ | 83.0 | 40.1 | 145.3 | 152.8 | 109.6 | 62.0 | 31.2 | 13.6 | 5.9 | 1.1 |

Rates computed by relating total births, regardless of age of father, to men aged 15-54 years.
 Rates computed by relating births of fathers under 20 years of age to men aged 15-19 years.
 Includes races other than white and black.
 Based on 100 percent of births in selected States and on a 50-percent sample of births in all other States; see Technical notes.

NOTE: Race and Hispanic origin are reported separately on birth certificates. In this table all men (including Hispanic men) are classified only according to their race; see Technical notes. Age of father was not stated for 13.5 percent of births in 2001. Denominators for population-based rates for 1991-2001 are derived from the 1990 U.S.Census. As a result, rates for more recent years are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin; see Technical notes.

Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 2001

| | - | | Year | s of school com | pleted by moth | er | | Percent | Percent |
|----------------------------------|----------------------|------------------|-------------------|-------------------|-------------------|---------------------|-----------------|---------------------|---------------------|
| Age and race of mother | Total | 0-8 years | 9-11 years | 12 years | 13-15 years | 16 years or more | Not Stated | 12 years or more | 16 years or more |
| All races ¹ | | | | | | | | | |
| All ages | 4,025,933 | 239,637 | 621,917 | 1,253,033 | 856,770 | 998,495 | 56,081 | 78.3 | 25.2 |
| Under 15 years | 7,781 | 5,896 | 1,586 | - | - | - | 299 | * | * |
| 15-19 years 15 years | 445,944 20,150 | 38,690 6,067 | 225,325 13,483 | 151,982 | 22,409 | - | 7,538 600 | 39.8 | * |
| 16 years | 45,367 | 6,000 | 37,121 | 1,267 | - | - | 979 | 2.9 | * |
| 17 years | 79,807 | 6,872 | 58,783 | 12,535 | 249 | - | 1,368 | 16.3 | * |
| 18 years | 126,361 | 8,951 | 58,662 | 52,894 | 3,805 | - | 2,049 | 45.6 | * |
| 19 years 20-24 years | 174,259 1,021,627 | 10,800 66,283 | 57,276 211,265 | 85,286 446,403 | 18,355 227,492 | - 56,135 | 2,542 14,049 | 60.4 72.5 | 5.6 |
| 25-29 years | 1,058,265 | 61,013 | 103,669 | 318,213 | 273,991 | 287,570 | 13,809 | 84.2 | 27.5 |
| 30-34 years | 942,697 | 40,208 | 53,120 | 213,384 | 212,460 | 411,527 | 11,998 | 90.0 | 44.2 |
| 35-39 years | 451,723 | 21,306 | 22,294 | 101,229 | 99,468 | 200,933 | 6,493 | 90.2 | 45.1 |
| 40 years and over | 97,896 | 6,241 | 4,658 | 21,822 | 20,950 | 42,330 | 1,895 | 88.6 | 44.1 |
| White, total | | | | | | | | | |
| All ages | 3,177,626 | 216,272 | 463,173 | 951,942 | 669,254 | 836,595 | 40,390 | 78.3 | 26.7 |
| Under 15 years | 4,095 | 3,113 | 822 | - | - | - | 160 | * | * |
| 15-19 years | 318,563 | 33,396 | 157,826 | 107,026 | 15,103 | - | 5,212 | 39.0 | * |
| 15 years | 12,584 | 4,143 | 8,052 | | - | - | 389 | * | * |
| 16 years | 30,510 | 4,821 | 24,124 | 915 | - | - | 650 | 3.1 | * |
| 17 years 18 years | 56,098 91,284 | 6,117 8,279 | 40,218 42,486 | 8,647 36,528 | 169 2,550 | - | 947 1,441 | 16.0 43.5 | * |
| 19 years | 128,087 | 10,036 | 42,946 | 60,936 | 12,384 | - | 1,785 | 58.1 | * |
| 20-24 years | 779,529 | 62,222 | 160,950 | 333,324 | 169,312 | 43,588 | 10,133 | 71.0 | 5.7 |
| 25-29 years | 850,343 | 56,895 | 81,843 | 247,880 | 216,633 | 237,000 | 10,092 | 83.5 | 28.2 |
| 30-34 years | 777,294 | 36,266 | 41,921 | 168,060 | 172,054 | 350,281 | 8,712 | 89.8 | 45.6 |
| 35-39 years 40 years and over | 368,816 78,986 | 18,954 5,426 | 16,536 3,275 | 79,046 16,606 | 79,621 16,531 | 169,935 35,791 | 4,724 1,357 | 90.3 88.8 | 46.7 46.1 |
| White, non-Hispanic | | | | | | | | | |
| All ages | 2,326,578 | 37,908 | 238,210 | 704,407 | 559,162 | 768,503 | 18,388 | 88.0 | 33.3 |
| Under 15 years | 1,581 | 1,241 | 286 | - | - | | 54 | * | * |
| 15-19 years | 190,161 | 9,827 | 92,276 | 74,998 | 11,131 | - | 1,929 | 45.8 | * |
| 15 years | 5,765 | 1,819 | 3,811 | - | - | - | 135 | * | * |
| 16 years 17 years | 15,538 31,409 | 1,792 1,831 | 12,988 23.718 | 524 5,431 | - 116 | - | 234 313 | 3.4 17.8 | * |
| 18 years | 55,409 | 2,120 | 25,732 | 25,252 | 1,774 | _ | 531 | 49.2 | * |
| 19 years | 82,040 | 2,265 | 26,027 | 43,791 | 9,241 | - | 716 | 65.2 | * |
| 20-24 years | 523,027 | 11,225 | 88,927 | 245,088 | 135,883 | 37,739 | 4,165 | 80.7 | 7.3 |
| 25-29 years | 622,361 | 7,542 | 33,123 | 181,362 | 180,883 | 214,996 | 4,455 | 93.4 | 34.8 |
| 30-34 years 35-39 years | 625,435 300,007 | 4,745 2,564 | 15,467 6,614 | 127,603 62,020 | 147,864 68,958 | 325,224 157,281 | 4,532 2,570 | 96.7 96.9 | 52.4 52.9 |
| 40 years and over | 64,006 | 764 | 1,517 | 13,336 | 14,443 | 33,263 | 683 | 96.4 | 52.5 |
| Black, total | | | | | | | | | |
| All ages | 606,156 | 14,593 | 133,649 | 237,428 | 137,536 | 72,315 | 10,635 | 75.1 | 12.1 |
| Under 15 years | 3,455 | 2,630 | 699 | - | - | - | 126 | * | * |
| 15-19 years | 110,843 6,881 | 4,484 1,768 | 59,375 | 38,855 | 6,209 | - | 1,920 190 | 41.4 | * |
| 15 years 16 years | 13,183 | 1,016 | 4,923 11,599 | - 294 | - | - | 274 | 2.3 | * |
| 17 years | 20,778 | 604 | 16,399 | 3,368 | 65 | - | 342 | 16.8 | * |
| 18 years | 30,516 | 522 | 14,154 | 14,279 | 1,066 | - | 495 | 51.1 | * |
| 19 years | 39,485 | 574 | 12,300 | 20,914 | 5,078 | - | 619 | 66.9 | * |
| 20-24 years | 199,221 | 2,518 | 43,340 | 94,981 52 546 | 47,051 | 8,331 | 3,000 | 76.6 | 4.2 |
| 25-29 years 30-34 years | 137,400 94,660 | 1,967 1,591 | 17,054 7,983 | 52,546 31,711 | 40,601 27,087 | 22,928 24,392 | 2,304 1,896 | 85.9 89.7 | 17.0 26.3 |
| 35-39 years | 49,065 | 1,027 | 4,209 | 15,689 | 13,585 | 13,465 | 1,090 | 89.1 | 20.3 |
| | | | | | | | | | |

See footnotes at end of table.

Table 21. Live births by educational attainment, and percent of mothers completing 12 years or more and 16 years or more of school, by age and race and Hispanic origin of mother: United States, 2001--Con.

| | | | Year | s of school com | pleted by moth | er | | Percent | Percent |
|----------------------------|-------------------|------------------|------------------|------------------|------------------|---------------------|----------------|---------------------|---------------------|
| Age and race of mother | Total | 0-8 years | 9-11 years | 12 years | 13-15 years | 16 years or more | Not Stated | 12 years or more | 16 years or more |
| Black, non-Hispanic | | | | | | | | | |
| All ages | 589,917 | 13,568 | 130,177 | 231,405 | 134,231 | 70,655 | 9,881 | 75.2 | 12.2 |
| Under 15 years | 3,401 | 2,589 | 689 | - | - | - | 123 | * | , |
| 15-19 years | 108,252 | 4,338 | 57,987 | 38,044 | 6,053 | - | 1,830 | 41.4 | |
| 15 years | 6,735 | 1,744 | 4,808 | - | - | - | 183 | * | |
| 16 years | 12,879 | 993 | 11,337 | 287 | - | - | 262 | 2.3 | |
| 17 years | 20,293 | 587 | 16,054 | 3,261 | 61 | - | 330 | 16.6 | |
| 18 years | 29,794 38,551 | 492 522 | 13,799 11,989 | 13,991 20,505 | 1,038 4,954 | - | 474 581 | 51.3 67.1 | |
| 19 years 20-24 years | 194,391 | 2,253 | 42,324 | 92,933 | 4,954 | 8.137 | 2,811 | 76.7 | 4.2 |
| 25-29 years | 133.491 | 1.736 | 16,486 | 51,117 | 39,603 | 22,407 | 2,142 | 86.1 | 17.1 |
| 30-34 years | 91.710 | 1,402 | 7.684 | 30,597 | 26,439 | 23,853 | 1.735 | 89.9 | 26.5 |
| 35-39 years | 47.494 | 904 | 4,048 | 15,172 | 13,260 | 13,144 | 966 | 89.4 | 28.2 |
| 40 years and over | 11,178 | 346 | 959 | 3,542 | 2,943 | 3,114 | 274 | 88.0 | 28.6 |
| Hispanic ² | | | | | | | | | |
| All ages | 851,851 | 179,473 | 227,530 | 250,707 | 111,090 | 65,828 | 17,223 | 51.2 | 7.9 |
| Under 15 years | 2,555 | 1,911 | 542 | - | - | - | 102 | * | |
| 15-19 years | 130,007 | 23,699 | 66,666 | 32,658 | 4,105 | - | 2,879 | 28.9 | |
| 15 years | 6,936 | 2,347 | 4,356 | - | - | - | 233 | * | |
| 16 years | 15,165 | 3,047 | 11,360 | 394 | - | - | 364 | 2.7 | |
| 17 years | 25,023 | 4,306 | 16,780 | 3,315 | 59 | - | 563 | 13.8 | |
| 18 years | 36,298 | 6,175 | 17,025 | 11,517 | 804 | - | 777 | 34.7 | |
| 19 years | 46,585 | 7,824 | 17,145 | 17,432 | 3,242 | - | 942 | 45.3 | |
| 20-24 years | 258,431 | 51,318 | 72,628 | 89,383 | 34,099 | 5,895 | 5,108 | 51.1 | 2.3 |
| 25-29 years | 227,910 | 49,618 | 49,149 | 67,132 | 36,004 | 21,512 | 4,495 | 55.8 | 9.6 |
| 30-34 years 35-39 years | 150,352 67,952 | 31,730 16,506 | 26,679 10,084 | 40,986 17,225 | 24,180 10,618 | 23,869 12,141 | 2,908 1,378 | 60.4 60.1 | 16.2 18.2 |
| 40 years and over | 67,952 14,644 | 4,691 | 1,782 | 3,323 | 2,084 | 2,411 | 353 | 54.7 | 16.9 |

Quantity zero.
 Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 Includes races other than white and black.
 Includes all persons of Hispanic origin of any race.

Table 22. Number of live births and percent distribution by weight gain of mother during pregnancy and median weight gain, according to period of gestation, race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2001

| | | | | | Weig | ght gain dui | ring pregna | ncy | | | |
|---|--|---|---|---|---|---|---|---|---|---|--|
| Period of gestation ¹ and race and Hispanic origin of mother | 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 | Median weight gain in pounds |
| | | | | | | Number | | | | | |
| All gestation periods ² All races ³ White, total White, non-Hispanic Black, non-Hispanic | 3,498,174 2,749,388 2,159,553 572,382 557,366 | 393,209 285,272 208,444 90,251 88,619 | 358,483 270,633 198,846 67,592 66,020 | 449,047 355,449 278,463 68,374 66,472 | 579,607 464,430 370,894 84,442 82,141 | 445,101 365,000 299,595 57,326 55,474 | 406,092 329,790 271,635 56,957 55,282 | 218,886 179,328 150,450 30,203 29,258 | 403,635 321,721 270,858 67,208 65,208 | 244,114 177,765 110,368 50,029 48,892 | |
| Hispanic ⁴ | 590,780 | 77,006 | 72,247 | 77,406 | 93,720 | 65,584 | 58,239 | 28,979 | 51,450 | 66,149 | |
| Under 37 weeks All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 425,764 305,462 235,431 100,579 98,645 70,376 | 69,898 45,048 32,420 21,843 21,558 12,667 | 53,027 36,284 26,889 14,030 13,791 9,471 | 55,116 40,535 31,521 11,755 11,489 9,094 | 62,892 46,697 36,756 13,208 12,940 10,060 | 42,636 32,768 26,404 7,938 7,747 6,403 | 38,753 29,356 23,890 7,740 7,571 5,503 | 20,889 16,304 13,665 3,771 3,680 2,662 | 43,322 32,776 27,768 9,050 8,844 5,055 | 39,231 25,694 16,118 11,244 11,025 9,461 | |
| 37-39 weeks All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 1,757,398 1,386,901 1,097,362 279,477 272,359 290,059 | 192,115 141,260 104,370 41,961 41,198 36,991 | 182,261 138,932 102,804 32,708 31,964 36,339 | 233,262 185,022 146,163 34,685 33,736 39,088 | 299,976 240,998 193,925 42,686 41,555 47,132 | 229,154 187,916 155,283 29,208 28,307 32,736 | 205,196 166,645 137,818 28,630 27,836 28,804 | 108,521 88,789 74,797 15,084 14,648 14,009 | 192,651 153,623 129,791 32,021 31,100 24,130 | 114,262 83,716 52,411 22,494 22,015 30,830 | |
| 40 weeks and over All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 1,306,249 1,050,641 823,118 190,517 184,647 227,948 | 130,271 98,336 71,331 26,195 25,615 27,058 | 122,654 95,057 68,941 20,709 20,123 26,297 | 160,080 129,456 100,533 21,820 21,137 29,045 | 215,984 176,143 139,857 28,428 27,529 36,292 | 172,814 143,928 117,670 20,101 19,345 26,299 | 161,643 133,402 109,674 20,505 19,795 23,800 | 89,234 74,050 61,884 11,300 10,883 12,228 | 167,149 134,951 113,067 26,023 25,153 22,134 | 86,420 65,318 40,161 15,436 15,067 24,795 | |
| | | | | | Perce | ent distribut | ion | | | | |
| All gestation periods ² All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 100.0 100.0 100.0 100.0 100.0 100.0 | 12.1 11.1 10.2 17.3 17.4 14.7 | 11.0 10.5 9.7 12.9 13.0 13.8 | 13.8 13.8 13.6 13.1 13.1 14.8 | 17.8 18.1 16.2 16.2 17.9 | 13.7 14.2 14.6 11.0 10.9 12.5 | 12.5 12.8 13.3 10.9 10.9 11.1 | 6.7 7.0 7.3 5.8 5.8 5.5 | 12.4 12.5 13.2 12.9 12.8 9.8 | | 30.5 30.6 30.8 30.0 30.0 29.0 |
| Under 37 weeks All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 100.0 100.0 100.0 100.0 100.0 100.0 | 18.1 16.1 14.8 24.5 24.6 20.8 | 13.7 13.0 12.3 15.7 15.7 15.5 | 14.3 14.5 14.4 13.2 13.1 14.9 | 16.3 16.7 16.8 14.8 14.8 16.5 | 11.0 11.7 12.0 8.9 8.8 10.5 | 10.0 10.5 10.9 8.7 8.6 9.0 | 5.4 5.8 6.2 4.2 4.2 4.2 4.4 | 11.2 11.7 12.7 10.1 10.1 8.3 | | 27.8 28.8 30.1 25.5 25.5 25.8 |
| 37-39 weeks All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 100.0 100.0 100.0 100.0 100.0 100.0 | 11.7 10.8 10.0 16.3 16.5 14.3 | 11.1 10.7 9.8 12.7 12.8 14.0 | 14.2 14.2 14.0 13.5 13.5 15.1 | 18.3 18.5 18.6 16.6 16.6 18.2 | 13.9 14.4 14.9 11.4 11.3 12.6 | 12.5 12.8 13.2 11.1 11.1 11.1 | 6.6 6.8 7.2 5.9 5.9 5.4 | 11.7 11.8 12.4 12.5 12.4 9.3 | | 30.4 30.5 30.8 30.1 30.1 28.8 |
| 40 weeks and over All races ³ White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ⁴ | 100.0 100.0 100.0 100.0 100.0 100.0 | 10.7 10.0 9.1 15.0 15.1 13.3 | 10.1 9.6 8.8 11.8 11.9 12.9 | 13.1 13.1 12.8 12.5 12.5 14.3 | 17.7 17.9 16.2 16.2 17.9 | 14.2 14.6 15.0 11.5 11.4 12.9 | 13.3 13.5 14.0 11.7 11.7 11.7 | 7.3 7.5 7.9 6.5 6.4 6.0 | 13.7 13.7 14.4 14.9 14.8 10.9 | | 30.8 30.9 31.8 30.4 30.4 30.1 |

Category not applicable.
 Expressed in completed weeks.
 Includes births with period of gestation not stated.
 Includes races other than white and black and origin not stated.
 Includes all persons of Hispanic origin of any race.

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

Table 23. Percent low birthweight by weight gain of mother during pregnancy, period of gestation, and race and Hispanic origin of mother: Total of 49 reporting States and the District of Columbia, 2001

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

| Period of gestation ¹ | | | | | Weight | gain during pr | egnancy | | | |
|---|-------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------|---------------|
| and race and Hispanic origin of mother | Total | Less than 16 pounds | 16-20 pounds | 21-25 pounds | 26-30 pounds | 31-35 pounds | 36-40 pounds | 41-45 pounds | 46 pounds or more | Not stated |
| All gestation periods ² | | | | | | | | | | |
| All races ³ | 7.9 | 13.7 | 10.5 | 8.1 | 6.6 | 5.5 | 5.3 | 5.4 | 5.8 | 11.9 |
| White, total | 6.8 | 11.5 | 9.1 | 7.2 | 5.8 | 4.9 | 4.8 | 5.0 | 5.3 | 10.1 |
| White, non-Hispanic | 6.8 | 11.8 | 9.6 | 7.3 | 5.8 | 4.9 | 4.8 | 5.0 | 5.5 | 10.7 |
| Black, total | 13.0 | 20.6 | 16.2 | 13.0 | 10.8 | 9.2 | 8.6 | 7.8 | 8.0 | 18.5 |
| Black, non-Hispanic | 13.1 | 20.7 | 16.3 | 13.1 | 10.9 | 9.3 | 8.7 | 7.8 | 8.0 | 18.5 |
| Hispanic, total ⁴ | 6.8 | 10.9 | 8.0 | 6.7 | 5.7 | 5.0 | 4.6 | 4.7 | 4.5 | 9.2 |
| Mexican | 6.4 | 10.1 | 7.2 | 6.0 | 5.2 | 4.6 | 4.2 | 4.6 | 4.1 | 8.5 |
| Puerto Rican | 9.4 | 15.6 | 12.9 | 10.3 | 8.5 | 6.5 | 6.5 | 5.6 | 5.5 | 14.9 |
| Cuban | 6.5 | 12.8 | 8.3 | 7.2 | 5.1 | 5.5 | 4.6 | 4.3 | 5.1 | 14.8 |
| Central and South American | 6.5 | 10.9 | 8.0 | 6.6 | 5.7 | 5.2 | 4.2 | 3.9 | 4.3 | 9.6 |
| Other and unknown Hispanic | 8.1 | 13.7 | 10.4 | 8.4 | 6.6 | 5.7 | 5.6 | 5.5 | 5.6 | 10.7 |
| Under 37 weeks | | | | | | | | | | |
| All races ³ | 43.3 | 55.4 | 47.9 | 42.4 | 38.4 | 35.8 | 35.1 | 35.7 | 36.0 | 53.5 |
| White, total | 41.3 | 52.4 | 46.1 | 40.7 | 37.0 | 34.8 | 34.1 | 35.5 | 35.7 | 51.0 |
| White, non-Hispanic | 42.6 | 54.7 | 48.9 | 42.3 | 38.3 | 35.9 | 35.3 | 36.3 | 36.9 | 54.8 |
| Black, total | 50.1 | 62.0 | 53.1 | 48.7 | 43.9 | 41.0 | 39.4 | 37.2 | 37.5 | 60.2 |
| Black. non-Hispanic | 50.2 | 62.0 | 53.2 | 48.8 | 44.1 | 41.0 | 39.5 | 37.2 | 37.5 | 60.2 |
| Hispanic ⁴ | 36.7 | 46.7 | 37.8 | 34.9 | 32.0 | 30.1 | 28.7 | 31.5 | 28.9 | 44.0 |
| 37-39 weeks | | | | | | | | | | |
| All races ³ | 4.0 | 5.9 | 5.2 | 4.3 | 3.6 | 3.2 | 3.0 | 3.1 | 3.1 | 4.9 |
| White, total | 3.4 | 5.0 | 4.4 | 3.7 | 3.1 | 2.7 | 2.7 | 2.8 | 2.8 | 4.1 |
| White, non-Hispanic | 3.4 | 5.1 | 4.4 | 3.7 | 3.0 | 2.7 | 2.6 | 2.8 | 2.8 | 4.1 |
| Black, total | 6.6 | 9.0 | 8.0 | 7.1 | 6.0 | 5.4 | 4.9 | 4.8 | 4.7 | 7.9 |
| Black, non-Hispanic | 6.6 | 9.0 | 8.1 | 7.2 | 6.0 | 5.5 | 5.0 | 4.8 | 4.7 | 8.0 |
| lispanic ⁴ | 3.7 | 5.0 | 4.5 | 3.9 | 3.5 | 3.1 | 2.9 | 2.8 | 2.5 | 4.1 |
| 40 weeks and over | | | | | | | | | | |
| All races ³ | 1.6 | 2.8 | 2.3 | 1.8 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 2.0 |
| White, total | 1.3 | 2.2 | 2.0 | 1.5 | 1.2 | 1.0 | 0.9 | 0.9 | 0.9 | 1.8 |
| White, non-Hispanic | 1.2 | 2.2 | 1.9 | 1.5 | 1.2 | 1.0 | 0.9 | 0.8 | 0.8 | 1.7 |
| Black, total | 2.9 | 4.7 | 4.0 | 3.2 | 2.7 | 2.2 | 2.0 | 1.9 | 1.8 | 3.3 |
| Black, non-Hispanic | 3.0 | 4.8 | 4.1 | 3.2 | 2.8 | 2.3 | 2.0 | 2.0 | 1.8 | 3.3 |
| lispanic ⁴ | 1.5 | 2.4 | 2.0 | 1.5 | 1.3 | 1.1 | 1.1 | 0.9 | 1.1 | 2.0 |
| | 1.5 | 2.4 | 2.0 | 1.5 | 1.0 | 1.1 | 1.1 | 0.3 | 1.1 | 2.0 |

Expressed in completed weeks.
 Includes births with period of gestation not stated.
 Includes races other than white and black and origin not stated.
 Includes all persons of Hispanic origin of any race.

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

Table 24. Percent of births with selected medical or health characteristics, by detailed race of mother, by place of birth of mother: United States, 2001

| Characteristic | All | | | American | | | Asian or Pa | cific Islander | | |
|--|--------------|--------------|--------------|---------------------|--------------|--------------|--------------|----------------|--------------|--------------|
| Characteristic | races | White | Black | Indian ¹ | Total | Chinese | Japanese | Hawaiian | Filipino | Other |
| All Births | | | | | | | | | | |
| Mother | | | | | | | | | | |
| Prenatal care beginning in the first | | | | | | | | | | |
| trimester | 83.4 | 85.2 | 74.5 | 69.3 | 84.0 | 87.0 | 90.1 | 79.1 | 85.0 | 82.7 |
| Late or no prenatal care Smoker ² | 3.7 12.0 | 3.2 13.0 | 6.5 9.0 | 8.2 19.9 | 3.4 2.8 | 2.4 0.7 | 2.0 3.8 | 4.8 14.8 | 3.0 3.2 | 3.8 2.3 |
| Drinker ³ | 0.9 | 0.8 | 1.0 | 2.8 | 0.3 | 0.2 | 0.8 | 14.0 | 0.4 | 0.3 |
| Weight gain of less than 16 lbs 4 | 12.1 | 11.1 | 17.3 | 16.9 | 9.4 | 6.9 | 11.6 | 8.9 | 8.1 | 10.0 |
| Median weight gain ⁴ | 30.5 | 30.6 | 30.0 | 29.8 | 30.1 | 30.3 | 26.3 | 32.7 | 30.6 | 30.0 |
| Cesarean delivery rate | 24.4 | 24.3 | 25.9 | 21.6 | 23.3 | 22.9 | 20.1 | 20.2 | 26.6 | 23.0 |
| Infant | | | | | | | | | | |
| Preterm births 5 | 11.9 | 11.0 | 17.5 | 13.2 | 10.3 | 7.7 | 8.8 | 14.2 | 12.5 | 10.3 |
| Birthweight Very low birthweight ⁶ | 1.4 | 1.2 | 3.0 | 1.3 | 1.0 | 0.7 | 0.7 | 1.5 | 1.2 | 1.1 |
| Low birthweight 7 | 1.4 7.7 | 6.7 | 3.0 13.0 | 7.3 | 7.5 | 0.7 5.3 | 0.7 7.3 | 7.9 | 1.2 8.7 | 7.8 |
| 4,000 grams or more ⁸ | 9.4 | 10.4 | 5.2 | 11.6 | 5.5 | 6.4 | 4.7 | 8.8 | 5.6 | 5.2 |
| 5-minute Apgar score of less than 7 9 | 1.4 | 1.2 | 2.3 | 1.4 | 1.0 | 0.7 | 0.9 | 1.3 | 1.1 | 1.0 |
| Births to mothers born in the 50 States and DC Mother | | | | | | | | | | |
| Drepotel core beginning in the first | | | | | | | | | | |
| Prenatal care beginning in the first trimester | 85.1 | 87.6 | 74.4 | 69.3 | 83.0 | 92.2 | 92.1 | 79.3 | 84.9 | 79.2 |
| Late or no prenatal care | 3.2 | 2.4 | 6.4 | 8.0 | 3.7 | 1.4 | 1.6 | 4.7 | 3.1 | 4.5 |
| Smoker 2 | 14.3 | 15.2 | 10.1 | 20.8 | 9.3 | 3.5 | 5.5 | 14.9 | 7.9 | 8.6 |
| Drinker ³ | 1.0 | 0.9 | 1.1 | 2.9 | 0.8 | * | * | 1.0 | 0.7 | 0.8 |
| Weight gain of less than 16 lbs ⁴ Median weight gain ⁴ | 11.8 30.7 | 10.5 30.8 | 17.6 30.0 | 17.0 30.0 | 8.8 30.8 | 6.5 30.5 | 10.1 27.8 | 8.7 32.8 | 8.9 30.9 | 8.8 30.9 |
| Cesarean delivery rate | 24.6 | 24.5 | 25.6 | 21.4 | 20.7 | 21.0 | 24.9 | 20.2 | 21.0 | 19.5 |
| Infant | | | | | | | | | | |
| Preterm births ⁵ | 12.3 | 11.1 | 18.0 | 13.3 | 12.2 | 10.2 | 11.2 | 14.2 | 12.7 | 11.8 |
| Birthweight | 12.0 | | 10.0 | 10.0 | 12.2 | 10.2 | 11.2 | 14.2 | 12.7 | 11.0 |
| Very low birthweight ⁶ | 1.5 | 1.2 | 3.1 | 1.3 | 1.3 | 1.0 | 0.9 | 1.5 | 1.2 | 1.3 |
| Low birthweight 7 | 8.0 | 6.9 | 13.4 | 7.3 | 8.3 | 7.6 | 8.2 | 8.0 | 9.3 | 8.0 |
| 5-minute Apgar score of less than 7 ⁹ . | 9.7 1.4 | 10.7 1.2 | 4.7 2.3 | 11.9 1.4 | 7.0 1.1 | 6.0 * | 6.0 1.4 | 8.8 1.3 | 6.0 1.1 | 7.3 1.1 |
| | | | | | | | | | | |
| Births to mothers born outside the 50 States and DC Mother | | | | | | | | | | |
| Prenatal care beginning in the first | | | | | | | | | | |
| trimester | 77.5 | 76.2 | 75.2 | 69.8 10.6 | 84.2 | 86.5 | 88.8 | 72.1 | 85.0 | 83.2 |
| Late or no prenatal care Smoker ² | 5.6 2.0 | 6.0 2.2 | 7.1 1.3 | 10.6 4.9 | 3.3 1.5 | 2.5 0.4 | 2.2 2.8 | * | 3.0 2.0 | 3.7 1.5 |
| Drinker ³ | 0.4 | 0.4 | 0.3 | * | 0.2 | 0.4 | 1.1 | * | 0.3 | 0.2 |
| Weight gain of less than 16 lbs 4 | 13.3 | 14.0 | 14.7 | 16.1 | 9.5 | 7.0 | 12.6 | 17.7 | 7.9 | 10.2 |
| Median weight gain ⁴ Cesarean delivery rate | 29.0 23.8 | 28.8 23.3 | 29.5 28.0 | 27.9 24.4 | 30.0 23.9 | 30.3 23.1 | 25.7 16.9 | 28.5 19.1 | 30.6 28.0 | 29.4 23.5 |
| Infant | 20.0 | 20.0 | 20.0 | 2 | 20.0 | 20.1 | 10.0 | 10.1 | 20.0 | 20.0 |
| Preterm births ⁵ | 10.7 | 10.6 | 10.0 | 10.0 | 0.0 | 7 4 | 7.0 | * | 10 / | 10.1 |
| Birthweight | 10.7 | 10.6 | 13.8 | 12.2 | 9.9 | 7.4 | 7.3 | | 12.4 | 10.1 |
| Verv low birthweight 6 | 1.1 | 1.0 | 2.4 | 1.4 | 1.0 | 0.7 | 0.6 | * | 1.2 | 1.0 |
| Low birthweight ⁷ | 6.5 | 5.9 | 9.4 | 8.5 | 7.3 | 5.1 | 6.7 | * | 8.5 | 7.7 |
| 4,000 grams or more ⁸ 5-minute Apgar score of less than 7 ⁹ | 8.6 1.1 | 9.5 1.0 | 8.1 1.8 | 6.6 1.4 | 5.2 0.9 | 6.4 0.7 | 3.8 0.6 | * | 5.5 1.1 | 5.0 1.0 |

1

2 3 4 5

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator. Includes births to Aleuts and Eskimos. Excludes data for California which did not report tobacco use on the birth certificate. Excludes data for California, which did not report alcohol use on the birth certificate. Excludes data for California, which did not report weight gain on the birth certificate. Median weight shown in pounds. Born prior to 37 completed weeks of gestation. Birthweight of less than 1,500 grams (3 lb 4 oz). Birthweight of less than 2,500 grams (5 lb 8 oz).

6 7 8

7 Birthweight of less that 2,500 grams (5 lb 8 oz).
 8 Equivalent to 8 lb 14 oz.
 9 Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

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

Table 25. Percent of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin and by place of birth of mother: United States, 2001

| | | | | | | Origin of mot | her | | | |
|---|----------------------|-------------|-------------|-----------------|-------------|-----------------------|---------------------|--------------------|-------------|-------------|
| 6 1 | | | | Hisp | anic | | | N | Ion-Hispani | с |
| Characteristic | All | | | | | Central | Other and | | | |
| | origins ¹ | Total | Mexican | Puerto Rican | Cuban | and South American | unknown Hispanic | Total ² | White | Black |
| All Births | | | | | | | | | | |
| Mother | | | | | | | | | | |
| Prenatal care beginning in the first | 00.4 | | 74.0 | 70.4 | 01.0 | / | | 05.4 | 00 F | 745 |
| trimester Late or no prenatal care | 83.4 3.7 | 75.7 5.9 | 74.6 6.2 | 79.1 4.6 | 91.8 1.3 | 77.4 5.7 | 77.3 5.4 | 85.4 3.2 | 88.5 2.2 | 74.5 6.5 |
| Smoker ³ | 12.0 | 3.2 | 2.4 | 9.7 | 3.0 | 1.3 | 6.8 | 13.8 | 15.5 | 9.1 |
| Drinker ⁴ | 0.9 | 0.5 | 0.4 | 0.7 | 0.2 | 0.2 | 1.1 | 0.9 | 0.9 | 1.0 |
| Weight gain of less than 16 lbs 5 | 12.1 | 14.7 | 16.1 | 12.8 | 8.0 | 12.2 | 12.6 | 11.6 | 10.2 | 17.4 |
| Median weight gain ⁵ | 30.5 | 29.0 | 27.7 | 30.6 | 32.1 | 30.2 | 30.3 | 30.6 | 30.8 | 30.0 |
| Cesarean delivery rate | 24.4 | 23.6 | 22.9 | 24.4 | 34.6 | 25.3 | 23.4 | 24.7 | 24.5 | 25.9 |
| Infant | | | | | | | | | | |
| Preterm births ⁶ Birthweight | 11.9 | 11.4 | 11.2 | 13.7 | 10.6 | 11.2 | 12.4 | 12.1 | 10.8 | 17.6 |
| Very low birthweight ⁷ | 1.4 | 1.1 | 1.0 | 1.8 | 1.3 | 1.2 | 1.3 | 1.5 | 1.2 | 3.1 |
| Low birthweight ⁸ | 7.7 | 6.5 | 6.1 | 9.3 | 6.5 | 6.5 | 8.0 | 8.0 | 6.8 | 13.1 |
| 4,000 grams or more ⁹ | 9.4 | 8.7 | 9.0 | 6.9 | 9.5 | 8.6 | 7.2 | 9.6 | 11.1 | 5.1 |
| 5-minute Apgar score of less than 7 ¹⁰ | 1.4 | 1.1 | 1.1 | 1.4 | 0.7 | 0.9 | 1.0 | 1.4 | 1.2 | 2.3 |
| Births to mothers born in the 50 States and DC Mother | | | | | | | | | | |
| Prenatal care beginning in the first | | | | | | | | | | |
| trimester | 85.1 | 79.0 | 78.7 | 78.7 | 91.0 | 83.0 | 77.8 | 85.7 | 88.7 | 74.4 |
| Late or no prenatal care | 3.2 | 4.5 | 4.6 | 4.7 | 1.7 | 3.5 | 5.0 | 3.0 | 2.2 | 6.4 |
| Smoker ³ Drinker ⁴ | 14.3 | 6.6 | 5.3 0.8 | 11.0 | 4.1 | 4.6 | 8.7 | 15.0 | 16.1 | 10.1 1.1 |
| Weight gain of less than 16 lbs ⁵ | 1.0 11.8 | 0.9 13.2 | 14.2 | 0.8 12.1 | 8.4 | 0.4 9.3 | 1.3 12.5 | 1.0 11.7 | 0.9 10.2 | 17.7 |
| Median weight gain ⁵ | 30.6 | 29.0 | 27.7 | 30.6 | 32.1 | 30.2 | 30.3 | 30.6 | 30.8 | 30.0 |
| Cesarean delivery rate | 24.6 | 23.8 | 23.7 | 24.1 | 31.6 | 23.4 | 22.6 | 24.7 | 24.6 | 25.6 |
| Infant | | | | | | | | | | |
| Preterm births ⁶ | 12.3 | 12.4 | 12.2 | 13.8 | 10.7 | 11.6 | 12.8 | 12.3 | 10.9 | 18.1 |
| Birthweight Very low birthweight ⁷ | 1.5 | 1.3 | 1.2 | 1.9 | 1.2 | 1.5 | 1.3 | 1.5 | 1.2 | 3.1 |
| Low birthweight ⁸ | 8.0 | 7.4 | 6.9 | 9.5 | 6.6 | 7.5 | 8.3 | 8.1 | 6.8 | 13.5 |
| 4,000 grams or more ⁹ | 9.7 | 7.9 | 8.2 | 6.9 | 8.4 | 8.2 | 6.9 | 9.9 | 11.1 | 4.7 |
| 5-minute Apgar score of less than 7 ¹⁰ | 1.4 | 1.2 | 1.1 | 1.4 | 0.7 | 0.9 | 1.1 | 1.4 | 1.2 | 2.3 |
| Births to mothers born outside the 50 States and D C Mother | | | | | | | | | | |
| Prenatal care beginning in the first | | _ | _ | _ | _ | _ | _ | | | |
| trimester | 77.5 | 73.8 | 72.3 | 79.9 | 92.4 | 76.7 | 76.3 | 83.0 | 85.5 | 75.3 |
| Late or no prenatal care Smoker ³ | 5.6 2.0 | 6.6 1.2 | 7.1 0.7 | 4.2 7.5 | 1.0 2.1 | 6.0 0.9 | 6.2 1.8 | 4.1 3.0 | 3.5 5.5 | 7.1 1.3 |
| Drinker ⁴ | 2.0 | 0.3 | 0.7 | 7.5 0.7 | 2.1 * | 0.9 | 0.5 | 3.0 0.5 | 5.5 0.9 | 0.3 |
| Weight gain of less than 16 lbs ⁵ | 13.3 | 15.6 | 17.3 | 14.0 | 7.6 | 12.5 | 12.6 | 10.6 | 9.1 | 15.3 |
| Median weight gain ⁵ | 29.0 | 27.6 | 26.1 | 30.3 | 32.0 | 30.0 | 30.1 | 30.2 | 30.6 | 29.0 |
| Cesarean delivery rate | 23.8 | 23.4 | 22.4 | 24.9 | 37.1 | 25.5 | 25.6 | 24.3 | 23.0 | 28.0 |
| Infant | | | | | | | | | | |
| Preterm births ⁶ Birthweight | 10.7 | 10.9 | 10.7 | 13.4 | 10.6 | 11.2 | 11.1 | 10.5 | 9.4 | 14.0 |
| Very low birthweight ⁷ | 1.1 | 1.0 | 1.0 | 1.8 | 1.3 | 1.2 | 1.0 | 1.3 | 1.0 | 2.5 |
| Very low birthweight ⁷ Low birthweight ⁸ | 6.5 | 5.9 | 5.6 | 9.0 | 6.4 | 6.4 | 6.5 | 7.3 | 6.0 | 9.7 |
| 4 000 grams or more ⁹ | 8.6 | 9.2 | 9.5 | 6.9 | 10.4 | 8.7 | 8.1 | 7.8 | 10.8 | 8.0 |
| 5-minute Apgar score of less than 7 ¹⁰ | 1.1 | 1.0 | 1.1 | 1.2 | 0.7 | 0.9 | 0.7 | 1.1 | 0.9 | 1.8 |

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

Figure does not meet standards of reliability or precision; based on rewer than 20 bitrins in the numerator.
Includes origin not stated.
Includes races other than white and black.
Excludes data for California which did not report tobacco use on the birth certificate.
Excludes data for California, which did not report alcohol use on the birth certificate.
Excludes data for California, which did not report weight gain on the birth certificate.
Excludes data for California, which did not report weight gain on the birth certificate.
Birthweight of less than 1,500 grams (3 lb 4 oz).
Birthweight of less than 2,500 grams (5 lb 8 oz).
Equivalent to 8 lb 14 oz.
Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 26. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 2001

[Rates are number of live births with specified medical risk factor per 1,000 live births in specified group]

| | A.U. | Medical | | | A | Age of mothe | er | | | |
|--|----------------------------|-------------------------|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|--|
| Medical risk factor and race of mother | All births ¹ | risk factor reported | All ages | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years | Not stated ² |
| All races ³ | | | | | | | | | | |
| Anemia | 4,025,933 | 99,558 | 25.0 | 36.0 | 30.2 | 22.9 | 19.6 | 19.0 | 19.8 | 37,388 |
| Cardiac disease | 4,025,933 | 20,698 | 5.2 | 2.7 | 3.6 | 4.9 | 6.6 | 8.2 | 9.5 | 37,388 |
| Acute or chronic lung disease | 4,025,933 | 48,246 | 12.1 | 14.7 | 13.2 | 11.5 | 10.7 | 11.3 | 11.9 | 37,388 |
| Diabetes | 4,025,933 | 124,242 | 31.1 | 9.2 | 17.8 | 30.3 | 41.3 | 55.6 | 71.7 | 37,388 |
| Genital herpes ⁴ | 3,660,523 | 33,560 | 9.3 | 6.2 | 8.1 | 8.8 | 10.6 | 12.4 | 12.3 | 35,734 |
| Hydramnios/Oligohydramnios | 4,025,933 | 54,694 | 13.7 | 14.9 | 13.9 | 13.2 | 13.2 | 14.1 | 16.1 | 37,388 |
| Hemoglobinopathy | 4,025,933 | 3,141 | 0.8 | 1.0 | 0.9 4.7 | 0.7 7.3 | 0.7 10.0 | 0.7 | 0.8 | 37,388 |
| Hypertension, chronic | 4,025,933 4,025,933 | 32,232 150,329 | 8.1 37.7 | 2.9 42.3 | 4.7 37.2 | 37.3 | 35.4 | 15.1 37.6 | 25.0 47.7 | 37,388 37,388 |
| Hypertension, pregnancy-associated | 4,025,933 | 12,627 | 37.7 | 42.3 | 37.2 | 2.9 | 2.7 | 37.0 | 47.7 | 37,388 |
| Eclampsia Incompetent cervix | 4,025,933 | 11,251 | 2.8 | 4.3 | 2.1 | 2.9 | 3.5 | 4.3 | 4.2 | 37,388 |
| Previous infant 4000+ grams | 4,025,933 | 41,313 | 10.4 | 1.3 | 5.8 | 10.8 | 14.7 | 17.5 | 20.2 | 37,388 |
| Previous preterm or small-for- | +,020,000 | +1,010 | 10.7 | 1.0 | 0.0 | 10.0 | 17.7 | 17.0 | 20.2 | 07,000 |
| gestational-age infant | 4.025.933 | 48,318 | 12.1 | 4.6 | 11.7 | 13.1 | 13.0 | 15.3 | 16.2 | 37.388 |
| Renal disease | 4,025,933 | 12,045 | 3.0 | 3.0 | 3.4 | 3.1 | 2.8 | 2.5 | 2.3 | 37,388 |
| Rh sensitization ⁵ | 3,987,064 | 26,933 | 6.8 | 5.7 | 6.4 | 6.9 | 7.5 | 7.4 | 7.3 | 39,545 |
| Uterine bleeding ⁴ | 3,660,523 | 21,324 | 5.9 | 4.1 | 5.2 | 5.9 | 6.7 | 7.0 | 8.3 | 35,734 |
| White | | | | | | | | | | |
| Anemia | 3,177,626 | 69,462 | 22.1 | 32.0 | 26.5 | 20.4 | 18.0 | 17.3 | 18.1 | 29,977 |
| Cardiac disease | 3,177,626 | 17,330 | 5.5 | 2.7 | 3.7 | 5.1 | 7.0 | 8.7 | 10.0 | 29.977 |
| Acute or chronic lung disease | 3,177,626 | 36,476 | 11.6 | 13.3 | 12.3 | 11.2 | 10.7 | 11.2 | 11.9 | 29,977 |
| Diabetes | 3,177,626 | 94,541 | 30.0 | 9.4 | 17.6 | 28.8 | 38.6 | 51.4 | 67.2 | 29,977 |
| Genital herpes ⁴ | 2,865,647 | 26,236 | 9.2 | 5.6 | 7.3 | 8.5 | 11.0 | 13.3 | 13.6 | 28,520 |
| Hydramnios/Oligohydramnios | 3,177,626 | 41,625 | 13.2 | 14.5 | 13.5 | 12.7 | 12.6 | 13.6 | 15.2 | 29,977 |
| Hemoglobinopathy | 3,177,626 | 1,122 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 | 29,977 |
| Hypertension, chronic | 3,177,626 | 22,078 | 7.0 | 2.5 | 4.1 | 6.5 | 8.5 | 12.4 | 19.6 | 29,977 |
| Hypertension, pregnancy-associated | 3,177,626 | 119,710 | 38.0 | 41.4 | 38.0 | 38.3 | 35.8 | 37.2 | 47.2 | 29,977 |
| Eclampsia | 3,177,626 | 9,250 | 2.9 | 3.8 | 2.9 | 2.8 | 2.6 | 3.0 | 4.0 | 29,977 |
| Incompetent cervix | 3,177,626 | 7,718 | 2.5 | 1.2 | 1.7 | 2.2 | 3.1 | 3.9 | 4.2 | 29,977 |
| Previous infant 4000+ grams | 3,177,626 | 36,813 | 11.7 | 1.4 | 6.5 | 12.0 | 16.1 | 19.3 | 22.6 | 29,977 |
| Previous preterm or small-for- | 0 177 000 | 07.000 | 11.0 | 1.0 | 11.0 | 10.0 | 10.0 | 45.4 | 10.0 | 00.077 |
| gestational-age infant | 3,177,626 3.177,626 | 37,228 | 11.8 3.3 | 4.2 3.4 | 11.2 3.8 | 12.6 3.4 | 12.8 3.0 | 15.1 2.7 | 16.0 2.5 | 29,977 29,977 |
| Renal disease Rh sensitization ⁵ | 3,177,626 | 10,328 24,456 | 3.3 7.9 | 3.4 6.7 | 3.8 7.3 | 3.4 7.9 | 3.0 8.5 | 2.7 8.4 | 2.5 8.6 | 29,977 31,842 |
| Uterine bleeding ⁴ | 2,865,647 | 17,834 | 6.3 | 4.6 | 5.7 | 6.2 | 6.9 | 7.2 | 8.5 | 28,520 |
| Black | ,,- | , | | | | | | | | -, |
| Anomia | 000 150 | 00.047 | 39.8 | 447 | 40.0 | 37.8 | 33.7 | 01.0 | 20.0 | 4.214 |
| Anemia | 606,156 606,156 | 23,947 2,472 | 39.8 4.1 | 44.7 2.7 | 43.6 3.5 | 37.8 | 33.7 5.2 | 31.8 6.2 | 32.2 8.8 | 4,214 4,214 |
| Cardiac disease Acute or chronic lung disease | 606,156 | 2,472 | 4.1 | 2.7 | 3.5 17.1 | 4.4 15.5 | 5.2 14.2 | 0.2 14.1 | 14.2 | 4,214 |
| Diabetes | 606,156 | 9,844 17,232 | 28.6 | 7.8 | 16.9 | 31.7 | 48.3 | 66.1 | 14.2 82.2 | 4,214 |
| Genital herpes ⁴ | 565,406 | 6,243 | 20.0 | 7.8 8.0 | 11.3 | 13.0 | 40.3 | 10.4 | 8.6 | 4,214 |
| Hydramnios/Oligohydramnios | 606,156 | 9,653 | 16.0 | 16.1 | 15.0 | 15.4 | 17.2 | 17.8 | 22.4 | 4,073 |
| Hemoglobinopathy | 606,156 | 1,864 | 3.1 | 3.0 | 3.1 | 3.2 | 3.0 | 3.0 | 3.6 | 4,214 |
| Hypertension, chronic | 606,156 | 8,810 | 14.6 | 4.1 | 7.4 | 14.1 | 25.0 | 38.4 | 64.5 | 4,214 |
| Hypertension, pregnancy-associated | 606,156 | 24,433 | 40.6 | 45.4 | 35.6 | 38.5 | 42.4 | 48.1 | 56.5 | 4,214 |
| Eclampsia | 606,156 | 2,813 | 4.7 | 5.8 | 4.3 | 4.1 | 4.5 | 4.9 | 6.6 | 4,214 |
| Incompetent cervix | 606,156 | 3,036 | 5.0 | 1.9 | 3.6 | 6.3 | 7.9 | 8.6 | 8.0 | 4,214 |
| Previous infant 4000+ grams Previous preterm or small-for- | 606,156 | 2,765 | 4.6 | 0.8 | 3.0 | 5.9 | 7.9 | 8.7 | 8.8 | 4,214 |
| gestational-age infant | 606,156 | 8,741 | 14.5 | 5.4 | 14.1 | 18.4 | 17.9 | 19.3 | 17.5 | 4,214 |
| Renal disease | 606,156 | 1,223 | 2.0 | 2.0 | 2.1 | 2.1 | 1.9 | 1.7 | * | 4,214 |
| Rh sensitization ⁵ Uterine bleeding ⁴ | 603,375 | 1,966 | 3.3 | 3.3 | 3.3 | 3.4 | 3.1 | 3.7 | 2.6 | 4,463 |
| Literine blooding 4 | 565,406 | 2,299 | 4.1 | 3.1 | 3.6 | 4.4 | 5.3 | 4.8 | 6.4 | 4,073 |

Total number of births to residents of areas reporting specified medical risk factor.
 No response reported for the medical risk factor item.
 Includes races other than white and black.
 Texas does not report this risk factor.
 Kansas does not report this risk factor.

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

Table 27. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by detailed race of mother: United States, 2001

[Rates are number of live births with specified risk factors, complications, or procedures per 1,000 live births in specified group]

| Medical risk factor, | | | | American | | | Asian or Pac | ific Islander | | |
|--|----------------------|----------------------|-------------------|---------------------|-------------------|-----------------|----------------|----------------|-----------------|------------------|
| complication, and obstetric procedure | All races | White | Black | Indian ¹ | Total | Chinese | Japanese | Hawaiian | Filipino | Other |
| | | | | | Num | ıber | | | | |
| Medical risk factors | | | | | | | | | | |
| | | | | | | | | | | |
| Anemia Diabetes | 99,558 124,242 | 69,462 94,541 | 23,947 17,232 | 2,282 2,235 | 3,867 10,234 | 348 1,635 | 147 340 | 295 321 | 533 1,750 | 2,54 6,18 |
| Hypertension, pregnancy-associated | 150,329 | 119,710 | 24,433 | 1,963 | 4,223 | 412 | 199 | 290 | 1,028 | 2,29 |
| Uterine bleeding ² | 21,324 | 17,834 | 2,299 | 252 | 939 | 120 | 61 | 41 | 159 | 55 |
| Complications of labor and/or delivery | | | | | | | | | | |
| Meconium,moderate/heavy | 206,123 | 151,345 | 41,937 | 2,115 | 10,726 | 1,616 | 432 | 421 | 1,885 | 6,372 |
| Premature rupture of membrane | 95,129 | 72,234 | 16,773 | 1,337 | 4,785 | 656 | 269 | 189 | 850 | 2,82 |
| Dysfunctional labor Breech/Malpresentation | 112,268 153,141 | 88,782 125,809 | 15,283 18,533 | 1,551 1,656 | 6,652 7,143 | 1,394 1,149 | 323 369 | 252 289 | 1,017 1.148 | 3,660 4,188 |
| Cephalopelvic disproportion | 66,060 | 53,436 | 7,653 | 659 | 4,312 | 725 | 159 | 209 | 769 | 2,560 |
| Fetal distress ³ | 140,617 | 104,731 | 27,180 | 1,431 | 7,275 | 978 | 374 | 288 | 1,083 | 4,552 |
| Obstetric procedures | | | | | | | | | | |
| Amniocentesis | 87,927 | 71,930 | 8,701 | 538 | 6,758 | 1,824 | 765 | 232 | 1,040 | 2,897 |
| Electronic fetal monitoring | 3,397,544 | 2,685,098 | 517,061 | 34,488 | 160,897 | 25,092 | 6,892 | 4,733 | 25,478 | 98,70 |
| Induction of labor | 819,924 | 680,846 | 102,847 | 8,400 | 27,831 | 3,912 | 1,363 | 1,000 | 3,918 | 17,63 |
| Ultrasound Stimulation of labor | 2,696,063 702,660 | 2,162,694 561,467 | 372,493 97,216 | 25,965 6,772 | 134,911 37,205 | 22,313 6,159 | 6,527 1,772 | 4,238 1,054 | 21,689 5,362 | 80,144 22,858 |
| | | | | | Ra | te | | | | |
| | | | | | | | | | | |
| Medical risk factors | | | | | | | | | | |
| Anemia | 25.0 | 22.1 | 39.8 | 55.4 | 19.6 | 11.2 | 16.4 | 46.6 | 16.6 | 21.3 |
| Diabetes | 31.1 | 30.0 | 28.6 | 54.3 | 51.7 | 52.5 | 37.9 | 50.7 | 54.5 | 51.9 |
| Hypertension, pregnancy-associated | 37.7 | 38.0 | 40.6 | 47.7 | 21.4 | 13.2 | 22.2 | 45.8 | 32.0 | 19.2 |
| Uterine bleeding ² | 5.9 | 6.3 | 4.1 | 6.2 | 5.0 | 4.0 | 7.0 | 6.6 | 5.1 | 5.1 |
| Complications of labor and/or delivery | | | | | | | | | | |
| Meconium,moderate/heavy | 51.5 | 47.9 | 69.5 | 51.3 | 54.0 | 51.7 | 48.1 | 66.2 | 58.5 | 53.3 |
| Premature rupture of membrane | 23.8 | 22.9 | 27.8 | 32.4 | 24.1 | 21.0 | 29.9 | 29.7 | 26.4 | 23.6 |
| Dysfunctional labor | 28.1 | 28.1 | 25.3 | 37.6 | 33.5 | 44.6 | 36.0 | 39.6 | 31.6 | 30.6 |
| Breech/Malpresentation | 38.3 | 39.8 | 30.7 | 40.2 | 36.0 | 36.7 | 41.1 | 45.5 | 35.6 | 35.0 |
| Cephalopelvic disproportion Fetal distress ³ | 16.5 38.7 | 16.9 36.8 | 12.7 48.3 | 16.0 35.5 | 21.7 39.0 | 23.2 32.7 | 17.7 42.9 | 15.6 45.9 | 23.9 34.9 | 21.4 41.1 |
| Obstetric procedures | | | | | | | | | | |
| Amniocentesis | 21.9 | 22.7 | 14.4 | 13.0 | 34.0 | 58.2 | 84.9 | 36.4 | 32.2 | 24.2 |
| Electronic fetal monitoring | 847.9 | 849.0 | 855.6 | 834.9 | 808.9 | 800.9 | 764.8 | 743.2 | 789.6 | 823.0 |
| Induction of labor | 204.6 | 215.3 | 170.2 | 203.3 | 139.9 | 124.9 | 151.3 | 157.0 | 121.4 | 147.1 |
| Ultrasound | 672.8 | 683.8 | 616.4 | 628.5 | 678.3 | 712.2 | 724.3 | 665.5 | 672.2 | 668.3 |
| Stimulation of labor | 175.4 | 177.5 | 160.9 | 163.9 | 187.1 | 196.6 | 196.6 | 165.5 | 166.2 | 190.6 |

1

Includes births to Aleuts and Eskimos.
 Texas does not report this risk factor.
 Texas does not report this complication.

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

Table 28. Number and rate of live births to mothers with selected medical risk factors, complications of labor, and obstetric procedures, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2001

[Rates are number of live births with specified risk factors, complications, or procedures per 1,000 live births in specified group]

| | | | | | | Origin of mo | ther | | | |
|--|--------------------------|--------------------|-------------------|------------------|----------------|----------------------------------|----------------------------------|----------------------|----------------------|-----------------|
| Medical risk factor, complication, | AU · · 1 | | | His | panic | | | N | on-Hispanic | |
| and obstetric procedure | All origins ¹ | Total | Mexican | Puerto Rican | Cuban | Central and South American | Other and unknown Hispanic | Total ² | White | Black |
| | | | | | I | Number | | | | |
| Medical risk factors | | | | | | | | | | |
| Anemia | 99,558 | 22,163 | 15,084 | 2,234 | 317 | 2,337 | 2,191 | 76,598 | 47,388 | 23,362 |
| Diabetes | 124,242 | 25,711 | 17,953 | 2,234 | 301 | 3,623 | 1,681 | 97,839 | 69,014 | 16,72 |
| hypertension, pregnancy-associated | 150,329 | 22,154 | 14,974 | 1,803 | 370 | 3,327 | 1,680 | 127,277 | 97,457 | 23,93 |
| Iterine bleeding ³ | 21,324 | 2,680 | 1,610 | 405 | 34 | 391 | 240 | 18,447 | 15,096 | 2,22 |
| Complications of labor and/or delivery | | | | | | | | | | |
| leconium,moderate/heavy | 206,123 | 48,696 | 34,687 | 3,089 | 508 | 7,746 | 2,666 | 156,225 | 103,026 | 40.88 |
| Premature rupture of membrane | 95,129 | 15,550 | 10,380 | 1,490 | 201 | 2,424 | 1,055 | 78,340 | 56,057 | 16,37 |
| Dysfunctional labor | | 20,345 | 12,622 | 1,913 | 525 | 3,473 | 1,812 | 91,251 | 68,529 | 14,76 |
| Breech/Malpresentation | | 25,082 | 16,942 | 2,070 | 422 | 3,947 | 1,701 | 127,034 | 100,577 | 18,00 |
| Cephalopelvic disproportion Fetal distress ⁴ | 66,060 140,617 | 10,682 19,968 | 7,673 12,338 | 771 2,257 | 181 347 | 1,506 3,593 | 551 1,433 | 55,012 119,830 | 42,716 84,850 | 7,46 26,57 |
| | 140,617 | 19,968 | 12,338 | 2,257 | 347 | 3,593 | 1,433 | 119,830 | 84,850 | 20,57 |
| Obstetric procedures | | | | | | | | | | |
| Amniocentesis | 87,927 | 8,802 | 4,373 | 1,069 | 321 | 2,204 | 835 | 78,383 | 62,859 | 8,40 |
| Electronic fetal monitoring | 3,397,544 | 692,362 | 491,422 | 49,647 | 11,989 | 99,042 | 40,262 | 2,686,869 | 1,994,791 | 503,51 |
| nduction of labor | 819,924 | 114,801 | 77,889 | 9,582 | 2,542 | 16,040 | 8,748 | 700,459 | 565,014 | 100,53 |
| JItrasound Stimulation of labor | 2,696,063 702,660 | 502,183 135,006 | 347,031 93,064 | 39,432 11,868 | 8,233 1,989 | 75,568 20,539 | 31,919 7,546 | 2,178,698 563,876 | 1,661,703 426,905 | 361,80 94,29 |
| | 702,000 | 135,000 | 33,004 | 11,000 | 1,303 | 20,555 | 7,540 | 505,070 | 420,303 | 54,23 |
| | | | | | | Rate | | | | |
| Medical risk factors | | | | | | | | | | |
| Anemia | 25.0 | 26.2 | 24.9 | 39.1 | 22.7 | 19.5 | 46.2 | 24.6 | 20.6 | 39.9 |
| Diabetes | 31.1 | 30.4 | 29.6 | 37.7 | 21.5 | 30.2 | 35.4 | 31.4 | 30.0 | 28.5 |
| Appertension, pregnancy-associated | 37.7 | 26.2 | 24.7 | 31.6 | 26.5 | 27.7 | 35.4 | 40.8 | 42.3 | 40.9 |
| Jterine bleeding ³ | 5.9 | 4.0 | 3.5 | 7.2 | 2.5 | 3.5 | 6.2 | 6.3 | 7.0 | 4.1 |
| Complications of labor and/or delivery | | | | | | | | | | |
| leconium,moderate/heavy | 51.5 | 57.3 | 56.9 | 54.0 | 36.3 | 64.1 | 56.0 | 49.9 | 44.6 | 69.6 |
| Premature rupture of membrane | 23.8 | 18.3 | 17.0 | 26.0 | 14.4 | 20.1 | 22.2 | 25.0 | 24.3 | 27.9 |
| Dysfunctional labor | 28.1 | 24.0 | 20.7 | 33.4 | 37.5 | 28.7 | 38.0 | 29.2 | 29.7 | 25.1 |
| Breech/Malpresentation | 38.3 16.5 | 29.5 12.6 | 27.8 12.6 | 36.2 13.5 | 30.2 12.9 | 32.7 12.5 | 35.7 11.6 | 40.6 17.6 | 43.5 18.5 | 30.7 12.7 |
| retal distress ⁴ | 38.7 | 29.5 | 27.1 | 40.2 | 25.3 | 32.2 | 37.1 | 40.8 | 39.1 | 48.6 |
| Obstetric procedures | | | | | | | | | | |
| mniocentesis | 21.9 | 10.4 | 7.2 | 18.7 | 22.9 | 18.2 | 17.5 | 25.0 | 27.2 | 14.3 |
| Electronic fetal monitoring | | 814.8 | 805.8 | 866.9 | 855.9 | 818.7 | 844.1 | 857.5 | 862.0 | 856.1 |
| nduction of labor | 204.6 | 135.1 | 127.7 | 167.3 | 181.5 | 132.6 | 183.4 | 223.5 | 244.2 | 170.9 |
| Jitrasound | 672.8 175.4 | 591.0 158.9 | 569.1 152.6 | 688.6 207.2 | 587.8 142.0 | 624.7 169.8 | 669.2 158.2 | 695.3 180.0 | 718.1 184.5 | 615.1 160.3 |
| Stimulation of labor | 175.4 | 100.9 | 0.201 | 201.2 | 142.0 | 109.0 | 100.2 | 100.0 | 104.0 | 100.3 |

Includes origin not stated.
 Includes races other than white and black.
 Texas does not report this risk factor.
 Texas does not report this complication.

NOTE: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 29. Number of live births by smoking status of mother, percent smokers, and percent distribution by average number of cigarettes smoked by mothers per day, according to age and race of mother: Total of 49 reporting States and the District of Columbia, 2001

| | | | | | Age of m | other | | | | |
|---|--|-------------------------------|--|--|--|--|--|--|--|---|
| Smoking status, smoking | | | 1 | 5-19 years | | | | | | |
| measure, and race of mother | All ages | Under 15 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |
| | | | | | Num | ber | | | | |
| All races ¹ | | | | | | | | | | |
| Total | 3,498,174 | 6,972 | 392,937 | 128,010 | 264,927 | 898,300 | 921,714 | 814,648 | 382,826 | 80,777 |
| Smoker Nonsmoker Not stated | 416,476 3,056,512 25,186 | 417 6,505 50 | 68,343 321,958 2,636 | 18,295 108,795 920 | 50,048 213,163 1,716 | 151,828 740,641 5,831 | 94,571 820,775 6,368 | 61,293 747,090 6,265 | 32,565 347,023 3,238 | 7,459 72,520 798 |
| White | | | | | | | | | | |
| Total | 2,749,388 | 3,441 | 273,364 | 84,382 | 188,982 | 674,889 | 740,024 | 677,274 | 314,932 | 65,464 |
| Smoker Nonsmoker Not stated | 353,635 2,375,662 20,091 | 315 3,091 35 | 58,577 212,931 1,856 | 15,530 68,231 621 | 43,047 144,700 1,235 | 129,233 541,233 4,423 | 80,678 654,217 5,129 | 52,161 619,868 5,245 | 26,765 285,450 2,717 | 5,906 58,872 686 |
| Black | | | | | | | | | | |
| Total | 572,382 | 3,329 | 105,943 | 39,244 | 66,699 | 189,244 | 129,541 | 88,306 | 45,429 | 10,590 |
| Smoker Nonsmoker Not stated | 51,395 517,606 3,381 | 85 3,232 12 | 7,549 97,821 573 | 2,099 36,919 226 | 5,450 60,902 347 | 18,562 169,633 1,049 | 11,284 117,494 763 | 7,574 80,148 584 | 4,977 40,128 324 | 1,364 9,150 76 |
| | | | | | Percent s | mokers | | | | |
| Total ¹ | 12.0 | 6.0 | 17.5 | 14.4 | 19.0 | 17.0 | 10.3 | 7.6 | 8.6 | 9.3 |
| White Black | 13.0 9.0 | 9.2 2.6 | 21.6 7.2 | 18.5 5.4 | 22.9 8.2 | 19.3 9.9 | 11.0 8.8 | 7.8 8.6 | 8.6 11.0 | 9.1 13.0 |
| | | | | | Percent dis | tribution ² | | | | |
| All races ¹ | | | | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1-5 cigarettes 6-10 cigarettes 11-15 cigarettes 12-20 cigarettes 21-30 cigarettes 31-40 cigarettes 31-40 cigarettes 41 cigarettes or more | 31.3 41.5 5.8 18.5 2.1 0.7 0.1 | 56.5 32.6 * 8.6 * | 39.4 41.7 4.2 13.1 1.2 0.3 0.1 | 43.8 40.5 3.7 10.6 1.0 0.3 | 37.9 42.1 4.4 13.9 1.2 0.4 0.1 | 32.3 42.8 5.1 17.4 1.7 0.6 0.1 | 28.3 41.7 6.4 20.4 2.4 0.8 0.1 | 27.3 40.2 7.2 21.6 2.7 1.0 0.2 | 26.7 38.5 7.4 22.7 3.3 1.3 0.2 | 26.2 36.2 7.4 24.5 3.8 1.5 |
| White | | | | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1-5 cigarettes 6-10 cigarettes 11-15 cigarettes 12-20 cigarettes 21-30 cigarettes 31-40 cigarettes 41 cigarettes or more | 28.0 42.5 6.3 20.0 2.3 0.8 0.1 | 51.5 36.5 * 9.5 * | 35.9 43.6 14.2 1.3 0.4 0.1 | 40.0 42.9 4.0 11.6 1.1 0.3 * | 34.4 43.9 4.8 15.2 1.3 0.4 0.1 | 28.6 44.3 5.6 19.0 1.9 0.6 0.1 | 25.2 42.3 6.9 22.0 2.6 0.8 0.1 | 24.6 40.3 7.8 23.2 3.0 1.0 0.2 | 23.7 38.3 8.1 24.5 3.7 1.4 0.2 | 22.9 35.8 8.1 26.8 4.3 1.8 |
| Black | | | | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1-5 cigarettes 6-10 cigarettes 11-15 cigarettes 12-20 cigarettes 21-30 cigarettes 21-40 cigarettes 31-40 cigarettes or more | 50.6 35.6 2.7 9.8 0.9 0.4 0.1 | 73.6 * * * * | 63.3 28.4 1.8 5.5 0.7 * | 68.1 24.9 1.7 4.8 * | 61.5 29.8 1.8 5.8 0.8 * | 54.5 34.2 2.1 8.2 0.6 0.4 | 46.9 37.9 2.9 10.6 1.1 0.4 | 42.9 39.5 3.4 12.5 1.0 0.5 | 40.0 39.6 3.8 14.4 1.2 0.8 | 39.5 37.7 4.5 15.7 2.0 |

 * Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 1 Includes races other than white and black.
 2 Excludes data for Indiana, New York State (but includes New York City), and South Dakota, which did not report average number of cigarettes smoked per day in standard categories.

NOTE: Excludes data for California, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 30. Number of live births by smoking status of mother and percent of mothers who smoked cigarettes during pregnancy, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: Total of 49 reporting States, and the District of Columbia, 2001

| | | Smoking | l status | | | | | / | Age of mo | other | | | | |
|---|---------------------------------------|--------------------------------|---------------------------------------|---------------------------|--------------------------|-------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|
| Origin of mother | | | | | | | 1 | 5-19 yea | rs | | | | | |
| | Total births | Smoker | Non- smoker | Not stated | All ages | Under 15 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |
| | | | | | | | | Р | ercent sr | nokers | | | | |
| All origins ¹ | 3,498,174 | 416,476 | 3,056,512 | 25,186 | 12.0 | 6.0 | 17.5 | 14.4 | 19.0 | 17.0 | 10.3 | 7.6 | 8.6 | 9.3 |
| Hispanic | 590,780 | 18,900 | 568,225 | 3,655 | 3.2 | 2.0 | 4.0 | 3.5 | 4.2 | 3.8 | 2.6 | 2.5 | 3.0 | 3.6 |
| Mexican Puerto Rican Cuban Central and South American | 382,352 55,517 13,248 96,231 | 8,975 5,382 391 1,240 | 370,663 49,901 12,833 94,603 | 2,714 234 24 388 | 2.4 9.7 3.0 1.3 | 1.6 * * | 2.9 9.7 6.3 1.8 | 2.6 7.9 8.7 1.7 | 3.0 10.8 5.0 1.9 | 2.7 11.5 3.1 1.5 | 1.9 9.0 2.4 1.0 | 1.8 8.0 2.2 1.0 | 2.5 8.7 3.6 1.4 | 3.1 9.7 * 1.8 |
| Other and unknown Hispanic | 43,432 | 2,912 | 40,225 | 295 | 6.8 | * | 7.6 | 6.6 | 8.3 | 8.0 | 6.2 | 5.5 | 5.1 | 6.4 |
| Non-Hispanic ² | 2,886,251 | 394,660 | 2,471,513 | 20,078 | 13.8 | 7.6 | 21.8 | 18.4 | 23.3 | 20.4 | 11.9 | 8.3 | 9.3 | 10.1 |
| White Black | 2,159,553 557,366 | 333,368 50,602 | 1,810,861 503,573 | 15,324 3,191 | 15.5 9.1 | 18.5 2.5 | 30.5 7.2 | 28.6 5.4 | 31.2 8.2 | 24.9 9.9 | 13.2 8.9 | 8.7 8.8 | 9.5 11.2 | 10.0 13.2 |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 1 includes origin not stated.
 2 includes races other than white and black.

NOTES: Excludes data for California, which did not require reporting of tobacco use during pregnancy. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race. See Technical notes.

Table 31. Number of live births, percent of mothers who smoked cigarettes during pregnancy, and percent distribution of average number of cigarettes smoked by mothers per day, according to educational attainment and race and Hispanic origin of mother: Total of 49 reporting States, and the District of Columbia, 2001

| Smolking massive and | _ | | Ye | ars of school com | pleted by mother | | |
|---|---|--|---|---|--|--|--|
| Smoking measure, and race and Hispanic origin of mother | Total | 0-8 years | 9-11 years | 12 years | 13-15 years | 16 years or more | Not Stated |
| | | | | All births | | | |
| All races ¹ | 3,498,174 | 177,652 | 529,715 | 1,104,535 | 755,441 | 883,453 | 47,378 |
| White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ² | 2,749,388 2,159,553 572,382 557,366 590,780 | 156,721 36,744 14,251 13,248 121,078 | 380,470 226,984 128,480 125,237 155,638 | 831,330 659,717 224,048 218,440 174,010 | 593,031 516,605 128,090 125,113 76,826 | 754,399 702,521 67,610 66,058 49,485 | 33,437 16,982 9,903 9,270 13,743 |
| | | | Р | ercent smokers | | | |
| Total | 12.0 | 8.9 | 24.8 | 16.4 | 9.2 | 1.9 | 11.0 |
| White, total White, non-Hispanic Black, total Black, non-Hispanic Hispanic ² | 13.0 15.5 9.0 9.1 3.2 | 8.8 31.9 10.4 10.8 1.7 | 27.9 43.2 16.9 17.1 5.0 | 18.8 22.7 8.8 8.9 3.4 | 10.3 11.3 5.2 5.2 2.9 | 2.0 2.1 1.5 1.5 1.0 | 11.5 17.7 11.7 11.6 3.3 |
| - | | | Per | rcent distribution ³ | | | |
| All races ¹ | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 cigarettes or less 11-20 cigarettes 21 cigarettes or more | 72.8 24.3 2.9 | 68.0 27.2 4.8 | 72.7 24.1 3.2 | 72.3 24.9 2.8 | 74.1 23.5 2.4 | 77.9 20.2 1.9 | 74.2 22.6 3.2 |
| White, total | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 cigarettes or less 11-20 cigarettes 21 cigarettes or more | 70.5 26.3 3.1 | 65.9 28.9 5.2 | 69.6 26.8 3.5 | 70.1 26.8 3.0 | 72.5 24.9 2.6 | 77.0 21.1 1.9 | 72.2 24.1 3.6 |
| White, non-Hispanic | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 cigarettes or less 11-20 cigarettes 21 cigarettes or more | 69.7 27.1 3.2 | 62.7 31.7 5.6 | 68.4 28.0 3.7 | 69.6 27.3 3.1 | 72.0 25.3 2.7 | 76.8 21.3 2.0 | 69.6 26.5 4.0 |
| Black, total | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 cigarettes or less 11-20 cigarettes 21 cigarettes or more | 86.2 12.4 1.4 | 83.7 13.9 2.4 | 86.0 12.4 1.6 | 86.7 12.1 1.3 | 86.4 12.6 1.0 | 87.6 11.5 * | 79.2 18.3 2.5 |
| Black, non-Hispanic | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 cigarettes or less 11-20 cigarettes 21 cigarettes or more | 86.2 12.4 1.4 | 83.7 13.9 2.4 | 86.0 12.4 1.6 | 86.7 12.1 1.3 | 86.4 12.6 1.0 | 87.9 11.3 * | 79.6 17.8 2.5 |
| Hispanic ² | | | | | | | |
| Smoker | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 cigarettes or less 11-20 cigarettes 21 cigarettes or more | 85.6 13.0 1.4 | 84.3 13.5 2.2 | 86.5 12.0 1.5 | 85.2 13.6 1.2 | 84.8 14.1 1.1 | 83.7 15.3 | 87.2 11.6 * |

Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 Includes races other than white and black and origin not stated.
 Includes all persons of Hispanic origin of any race.
 Excludes data for Indiana, New York State (but includes New York City), and South Dakota, which did not report average number of cigarettes smoked per day in standard categories.

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

Table 32. Percent low birthweight by smoking status, age, and race and Hispanic origin of mother: Total of 49 reporting States, and the District of Columbia, 2001

[Low birthweight is defined as weight of less than 2,500 grams (5 lb 8 oz)]

| | | | | | | Age of mothe | r | | | |
|------------------------|----------|-------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Smoking status and | | | | 15-19 years | | | | | | |
| race of mother | All ages | Under 15 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years |
| All races ¹ | | | | | | | | | | |
| Total | 7.9 | 13.3 | 9.8 | 10.6 | 9.4 | 8.0 | 7.0 | 7.2 | 8.6 | 10.8 |
| Smoker | 11.9 | 14.0 | 11.3 | 11.8 | 11.1 | 10.6 | 11.3 | 13.2 | 16.7 | 19.7 |
| lonsmoker | 7.3 | 13.2 | 9.4 | 10.3 | 8.9 | 7.4 | 6.5 | 6.7 | 7.8 | 9.9 |
| lot stated | | * | 14.1 | 14.5 | 13.9 | 9.4 | 9.2 | 9.2 | 11.4 | 12.2 |
| White, total | | | | | | | | | | |
| Fotal | 6.8 | 10.8 | 8.3 | 9.1 | 7.9 | 6.8 | 6.1 | 6.4 | 7.7 | 9.8 |
| Smoker | 10.8 | 11.8 | 10.7 | 11.3 | 10.4 | 9.8 | 10.3 | 11.7 | 14.6 | 16.7 |
| lonsmoker | | 10.7 | 7.6 | 8.5 | 7.2 | 6.0 | 5.6 | 5.9 | 7.0 | 9.1 |
| lot stated | 8.8 | * | 12.1 | 13.4 | 11.5 | 7.8 | 8.0 | 7.9 | 10.2 | 11.6 |
| White, non-Hispanic | | | | | | | | | | |
| otal | 6.8 | 11.6 | 8.5 | 9.3 | 8.1 | 6.9 | 6.1 | 6.4 | 7.6 | 9.7 |
| Smoker | | 12.3 | 10.6 | 11.2 | 10.3 | 9.8 | 10.2 | 11.5 | 14.5 | 16.2 |
| lonsmoker | | 11.5 | 7.5 | 8.5 | 7.1 | 5.9 | 5.5 | 5.9 | 6.8 | 8.9 |
| lot stated | 8.7 | * | 11.4 | 11.8 | 11.3 | 8.1 | 8.0 | 7.9 | 10.4 | 10.8 |
| Black, total | | | | | | | | | | |
| Fotal | 13.0 | 16.0 | 13.7 | 14.0 | 13.5 | 12.5 | 12.0 | 13.0 | 15.4 | 17.4 |
| moker | | * | 16.6 | 16.6 | 16.5 | 16.7 | 19.0 | 24.3 | 28.4 | 32.6 |
| lonsmoker | | 15.9 | 13.4 | 13.8 | 13.2 | 12.0 | 11.3 | 11.9 | 13.7 | 15.1 |
| lot stated | 18.2 | * | 21.4 | 19.6 | 22.5 | 15.3 | 17.8 | 20.6 | 19.8 | * |
| Black, non-Hispanic | | | | | | | | | | |
| otal | 13.1 | 16.0 | 13.7 | 14.1 | 13.6 | 12.6 | 12.1 | 13.2 | 15.6 | 17.6 |
| Smoker | | * | 16.6 | 16.8 | 16.6 | 16.7 | 19.0 | 24.3 | 28.7 | 32.8 |
| lonsmoker | | 15.9 | 13.5 | 13.9 | 13.2 | 12.1 | 11.4 | 12.1 | 13.9 | 15.4 |
| lot stated | 17.9 | * | 21.5 | 19.6 | 22.8 | 14.9 | 16.8 | 20.9 | 19.8 | * |
| Hispanic ² | | | | | | | | | | |
| otal | 6.8 | 10.2 | 8.0 | 8.7 | 7.6 | 6.5 | 6.0 | 6.6 | 8.3 | 10.5 |
| moker | | * | 11.9 | 11.4 | 12.1 | 10.5 | 10.7 | 14.4 | 15.6 | 22.4 |
| lonsmoker | | 10.1 | 7.8 | 8.6 | 7.4 | 6.3 | 5.8 | 6.4 | 8.1 | 10.0 |
| lot stated | 8.8 | * | 13.5 | 15.7 | 12.0 | 7.5 | 7.2 | 7.6 | 9.1 | * |

* Figure does not meet standards of reliability or precision; based on fewer then 20 births in the numerator.
 1 Includes races other than white and black and origin not stated.
 2 Includes all persons of Hispanic origin of any race.

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

Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and percent with late or no care, by age and race and Hispanic origin of mother: United States, 2001

| | | | | | Month of | pregnancy p | orenatal care b | egan | | | |
|-------------------------------------|--------------------|-------------------|----------------------|-------------------|-------------------|-----------------|-------------------|----------------|-----------------|------------------|--------------------|
| Age and race and Hispanic origin | All births | | 1st trimester | | 2d trimester | La | ate or no care | | Not | Perce | ent |
| of mother | | Total | 1st and 2d months | 3d month | 4th-6th months | Total | 7th-9th months | No care | stated | 1st trimester | Late or no care |
| All races ¹ | 4,025,933 | 3,276,902 | 2,534,944 | 741,958 | 506,668 | 147,390 | 105,662 | 41,728 | 94,973 | 83.4 | 3.7 |
| Under 15 years | 7,781 | 3,543 | 2,189 | 1,354 | 2,651 | 1,247 | 904 | 343 | 340 | 47.6 | 16.8 |
| 15-19 years | 445,944 | 300,892 | 205,917 | 94,975 | 102,285 | 30,069 | 21,797 | 8,272 | 12,698 | 69.5 | 6.9 |
| 15 years | 20,150 | 11,074 | 6,992 | 4,082 | 6,236 | 2,111 | 1,534 | 577 | 729 | 57.0 | 10.9 |
| 16 years | 45,367 | 27,566 | 18,038 | 9,528 | 12,483 | 3,838 | 2,812 | 1,026 | 1,480 | 62.8 | 8.7 |
| 17 years | 79,807 | 52,061 | 34,790 | 17,271 | 19,529 | 5,910 | 4,246 | 1,664 | 2,307 | 67.2 | 7.6 |
| 18 years | 126,361 174,259 | 86,451 123,740 | 59,486 86,611 | 26,965 37,129 | 28,444 35,593 | 7,931 10,279 | 5,686 7,519 | 2,245 2,760 | 3,535 4,647 | 70.4 73.0 | 6.5 6.1 |
| 19 years 20-24 years | 1,021,627 | 778,394 | 574,767 | 203,627 | 168,349 | 48,566 | 35,216 | 13,350 | 26,318 | 78.2 | 4.9 |
| 25-29 years | 1,058,265 | 891,451 | 702,633 | 188,818 | 111,616 | 31,792 | 22,993 | 8,799 | 23,406 | 86.1 | 3.1 |
| 30-34 years | 942,697 | 827,871 | 669,956 | 157,915 | 73,992 | 21,195 | 14,965 | 6,230 | 19,639 | 89.7 | 2.3 |
| 35-39 years | 451,723 | 392,799 | 315,096 | 77,703 | 37,653 | 11,284 | 7,627 | 3,657 | 9,987 | 88.9 | 2.6 |
| 40 years and over | 97,896 | 81,952 | 64,386 | 17,566 | 10,122 | 3,237 | 2,160 | 1,077 | 2,585 | 86.0 | 3.4 |
| White, total | 3,177,626 | 2,648,763 | 2,064,013 | 584,750 | 361,527 | 99,225 | 72,661 | 26,564 | 68,111 | 85.2 | 3.2 |
| Under 15 years | 4,095 | 2,069 | 1,289 | 780 | 1,270 | 594 | 417 | 177 | 162 | 52.6 | 15.1 |
| 15-19 years | 318,563 | 222,483 | 153,040 | 69,443 | 68,177 | 19,431 | 14,369 | 5,062 | 8,472 | 71.7 | 6.3 |
| 15 years | 12,584 | 7,363 | 4,701 | 2,662 | 3,585 | 1,209 | 889 | 320 | 427 | 60.6 | 9.9 |
| 16 years | 30,510 | 19,470 | 12,894 | 6,576 | 7,767 | 2,359 | 1,742 | 617 | 914 | 65.8 | 8.0 |
| 17 years | 56,098 | 38,000 | 25,571 | 12,429 | 12,706 | 3,861 | 2,837 | 1,024 | 1,531 | 69.6 | 7.1 |
| 18 years | 91,284 | 64,425 93,225 | 44,478 | 19,947 | 19,302 | 5,190 | 3,809 | 1,381 | 2,367 | 72.5 | 5.8 5.5 |
| 19 years 20-24 years | 128,087 779,529 | 93,225 608,175 | 65,396 450,925 | 27,829 157,250 | 24,817 119,775 | 6,812 32,890 | 5,092 24,359 | 1,720 8,531 | 3,233 18,689 | 74.7 79.9 | 4.3 |
| 25-29 years | 850,343 | 728,874 | 577,540 | 151,334 | 82,298 | 22,151 | 16,328 | 5,823 | 17,020 | 87.5 | 2.7 |
| 30-34 years | 777,294 | 693,396 | 564,369 | 129,027 | 54,921 | 14,452 | 10,384 | 4,068 | 14,525 | 90.9 | 1.9 |
| 35-39 years | 368,816 | 326,299 | 263,455 | 62,844 | 27,683 | 7,499 | 5,289 | 2,210 | 7,335 | 90.3 | 2.1 |
| 40 years and over | 78,986 | 67,467 | 53,395 | 14,072 | 7,403 | 2,208 | 1,515 | 693 | 1,908 | 87.5 | 2.9 |
| White, non-Hispanic | 2,326,578 | 2,022,737 | 1,605,473 | 417,264 | 210,946 | 51,230 | 37,808 | 13,422 | 41,665 | 88.5 | 2.2 |
| Under 15 years | 1,581 | 804 | 500 | 304 | 500 | 222 | 148 | 74 | 55 | 52.7 | 14.5 |
| 15-19 years | 190,161 | 140,213 | 97,220 | 42,993 | 36,857 | 8,907 | 6,767 | 2,140 | 4,184 | 75.4 | 4.8 |
| 15 years | 5,765 | 3,552 | 2,295 | 1,257 | 1,581 | 466 | 366 | 100 | 166 | 63.4 | 8.3 |
| 16 years | 15,538 31,409 | 10,461 22,464 | 6,933 15,161 | 3,528 7,303 | 3,721 6,533 | 981 1,685 | 757 1,252 | 224 433 | 375 727 | 69.0 73.2 | 6.5 5.5 |
| 17 years 18 years | 55,409 | 41,276 | 28,764 | 12,512 | 10,528 | 2,450 | 1,840 | 610 | 1,155 | 76.1 | 4.5 |
| 19 years | 82,040 | 62,460 | 44,067 | 18,393 | 14,494 | 3,325 | 2,552 | 773 | 1,761 | 77.8 | 4.1 |
| 20-24 years | 523,027 | 426,610 | 320,657 | 105,953 | 69,351 | 16,628 | 12,519 | 4,109 | 10,438 | 83.2 | 3.2 |
| 25-29 years | 622,361 | 554,911 | 448,049 | 106,862 | 46,082 | 11,107 | 8,231 | 2,876 | 10,261 | 90.7 | 1.8 |
| 30-34 years | 625,435 | 572,676 | 472,522 | 100,154 | 34,483 | 8,205 | 5,882 | 2,323 | 10,071 | 93.1 | 1.3 |
| 35-39 years | 300,007 | 271,536 | 221,737 | 49,799 | 18,545 | 4,677 | 3,260 | 1,417 | 5,249 | 92.1 | 1.6 |
| 40 years and over | 64,006 | 55,987 | 44,788 | 11,199 | 5,128 | 1,484 | 1,001 | 483 | 1,407 | 89.4 | 2.4 |
| Black, total | 606,156 | 436,504 | 325,221 | 111,283 | 111,414 | 38,243 | 24,927 | 13,316 | 19,995 | 74.5 | 6.5 |
| Under 15 years | 3,455 110,843 | 1,378 68,742 | 849 46,714 | 529 22,028 | 1,300 29,275 | 610 9,148 | 448 6,257 | 162 2,891 | 167 3,678 | 41.9 64.1 | 18.6 8.5 |
| 15-19 years 15 years | 6,881 | 3,408 | 2,109 | 1,299 | 29,275 | 9,148 798 | 559 | 2,891 | 287 | 51.7 | 12.1 |
| 16 years | 13,183 | 7,226 | 4,637 | 2,589 | 4,172 | 1,288 | 922 | 366 | 497 | 57.0 | 10.2 |
| 17 years | 20,778 | 12,466 | 8,225 | 4,241 | 5,860 | 1,769 | 1,185 | 584 | 683 | 62.0 | 8.8 |
| 18 years | 30,516 | 19,303 | 13,277 | 6,026 | 7,856 | 2,341 | 1,578 | 763 | 1,016 | 65.4 | 7.9 |
| 19 years | 39,485 | 26,339 | 18,466 | 7,873 | 8,999 | 2,952 | 2,013 | 939 | 1,195 | 68.8 | 7.7 |
| 20-24 years | 199,221 | 140,158 | 102,679 | 37,479 | 39,839 | 12,943 | 8,686 | 4,257 | 6,281 | 72.6 | 6.7 |
| 25-29 years | 137,400 | 105,444 | 81,255 | 24,189 | 20,485 | 7,112 | 4,559 | 2,553 | 4,359 | 79.3 | 5.3 |
| 30-34 years | 94,660 | 74,516 | 58,311 | 16,205 | 12,092 | 4,803 | 2,970 | 1,833 | 3,249 | 81.5 | 5.3 |
| 35-39 years 40 years and over | 49,065 11,512 | 37,824 8,442 | 29,119 6,294 | 8,705 2,148 | 6,604 1,819 | 2,839 788 | 1,558 449 | 1,281 339 | 1,798 463 | 80.0 76.4 | 6.0 7.1 |
| To years and over | 11,012 | 0,442 | 0,234 | ∠,140 | 1,019 | 100 | 443 | 559 | 403 | 70.4 | 1.1 |
| | | | | | | | | | | | |

See footnotes at end of table.

| Table 33. Live births by month of pregnancy prenatal care began and percent of mothers beginning care in the first trimester and |
|--|
| percent with late or no care, by age and race and Hispanic origin of mother: United States, 2001 Con. |

| | | Month of pregnancy prenatal care began | | | | | | | | | | | |
|---|--|---|---|---|--|--|--|--|--|--|--|--|--|
| Age and race and Hispanic origin | All births | | 1st trimester | | 2d trimester | La | ate or no care | | Not | Perc | ent | | |
| of mother | | Total | 1st and 2d months | 3d month | 4th-6th months | Total | 7th-9th months | No care | stated | 1st trimester | Late or no care | | |
| Black, non-Hispanic | 589,917 | 425,083 | 316,867 | 108,216 | 108,638 | 37,199 | 24,120 | 13,079 | 18,997 | 74.5 | 6.5 | | |
| Under 15 years 15-19 years 16 years 17 years 18 years 19 years 20-24 years 20-24 years 30-34 years 30-34 years 40 years and over Hispanic ² | 3,401 108,252 6,735 12,879 20,293 29,794 38,551 194,391 91,710 47,494 11,178 851,851 | 1,355 67,179 3,332 7,056 12,187 18,861 25,743 136,879 102,555 72,244 36,654 8,217 625,816 | 841 45,651 2,068 4,523 8,040 12,974 18,046 100,328 79,081 56,593 28,247 6,126 457,753 | 514 21,528 1,264 2,533 4,147 5,887 7,697 36,551 23,474 15,651 8,407 2,091 168,063 | 1,282 28,636 2,341 4,095 5,717 7,686 8,797 38,909 19,926 11,727 6,397 1,761 | 601 8,914 781 1,254 2,282 2,865 12,608 6,892 4,663 2,755 766 48,502 | 441 6,093 548 899 1,161 1,537 1,948 8,425 4,383 2,852 1,493 433 35,400 | 160 2,821 233 355 571 745 917 4,183 2,509 1,811 1,262 333 13,102 | 163 3,523 281 474 657 965 1,146 5,995 4,118 3,076 1,688 434 25,363 | 41.8 64.1 51.6 56.9 62.1 65.4 68.8 72.7 79.3 81.5 80.0 76.5 75.7 | 18.6 8.5 12.1 10.1 8.8 7.9 7.7 6.7 5.3 5.3 6.0 7.1 5.9 | | |
| Under 15 years 15-19 years 15 years 17 years 18 years 19 years 20-24 years 20-24 years 30-34 years 35-39 years | 2,555 130,007 6,936 15,165 25,023 36,298 46,585 258,431 227,910 150,352 67,952 14,644 | 1,277 83,273 3,865 9,131 15,732 23,420 31,125 182,794 173,824 119,389 54,037 11,222 | 789 56,531 2,437 6,037 10,553 15,918 21,586 131,116 129,246 90,659 41,029 8,383 | 488 26,742 1,428 3,094 5,179 7,502 9,539 51,678 44,578 28,730 13,008 2,839 | 789 31,792 2,050 4,115 6,282 8,886 10,459 51,080 36,490 20,539 9,202 2,278 | 380 10,706 762 1,399 2,204 3,537 16,460 11,120 6,276 2,846 714 | 275 7,736 541 999 1,600 2,014 2,582 12,040 8,193 4,579 2,060 517 | 105 2,970 221 400 604 790 955 4,420 2,927 1,697 786 197 | 109 4,236 259 520 805 1,188 1,464 8,097 6,476 4,148 1,867 430 | 52.2 66.2 57.9 62.3 65.0 66.7 69.0 73.0 78.5 81.7 81.8 79.0 | 15.5 8.5 11.4 9.6 9.1 8.0 7.8 6.6 5.0 4.3 4.3 4.3 5.0 | | |

¹ Includes races other than white and black and origin not stated.
² Includes all persons of Hispanic origin of any race.

Table 34. Percent of mothers beginning prenatal care in the first trimester and percent of mothers with late or no prenatal care by race and Hispanic origin of mother: United States, each State and territory, 2001

[By place of residence]

| | | Fercent | eginning ca | | Inestei | | | | Percent late | | 10 | |
|--------------------------------|---------------------------|--------------|------------------|--------------|------------------|-----------------------|---------------------------|------------|------------------|------------|------------------|-----------------------|
| | | Whi | ite | Bla | ick | | | Wh | nite | Bla | ack | |
| State | All races ² | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ³ | All races ² | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ³ |
| United States ⁴ | 83.4 | 85.2 | 88.5 | 74.5 | 74.5 | 75.7 | 3.7 | 3.2 | 2.2 | 6.5 | 6.5 | 5.9 |
| Alabama | 82.4 | 87.4 | 89.5 | 71.7 | 71.7 | 52.3 | 3.9 | 2.9 | 1.9 | 6.2 | 6.2 | 19.4 |
| Alaska | 80.5 | 84.2 | 84.3 | 82.3 | 83.2 | 82.2 | 4.5 | 3.3 | 3.3 | * | * | 3.8 |
| Arizona | 76.7 79.8 | 77.4 82.4 | 87.3 83.9 | 75.8 69.9 | 75.7 70.0 | 66.7 67.4 | 6.3 4.6 | 6.2 3.9 | 2.5 3.4 | 5.9 7.4 | 5.8 7.4 | 10.1 8.5 |
| Arkansas California | 85.4 | 85.4 | 90.0 | 82.5 | 82.5 | 82.4 | 2.9 | 3.9 | 2.0 | 3.6 | 3.6 | 3.6 |
| Colorado | 79.8 | 80.2 | 87.3 | 72.7 | 72.5 | 65.1 | 4.7 | 4.6 | 2.5 | 7.0 | 7.0 | 8.8 |
| Connecticut | 88.7 | 89.7 | 92.4 | 81.9 | 82.1 | 78.5 | 1.9 | 1.7 | 1.2 | 3.3 | 3.1 | 3.8 |
| Delaware | 87.2 | 88.9 | 91.5 | 81.5 | 81.6 | 73.0 | 3.3 | 2.7 | 2.2 | 5.3 | 5.3 | 5.7 |
| District of Columbia | 74.4 | 84.2 | 90.8 | 68.7 | 68.7 | 70.9 | 7.9 | 3.7 | 2.7 | 10.1 | 10.2 | 5.9 |
| Florida Georgia | 84.1 86.2 | 87.0 88.9 | 89.3 91.4 | 75.1 80.6 | 75.0 80.5 | 81.7 76.5 | 3.4 3.0 | 2.6 2.4 | 1.9 1.6 | 5.7 4.2 | 5.7 4.2 | 4.3 6.2 |
| Hawaii | 84.2 | 88.5 | 89.2 | 92.0 | 92.3 | 83.3 | 3.0 | 2.4 | 2.6 | 4.2 | 4.2 | 3.2 |
| Idaho | 81.8 | 82.0 | 84.0 | 81.0 | 80.6 | 69.5 | 3.7 | 3.7 | 3.1 | * | * | 7.1 |
| Illinois | 84.0 | 86.5 | 90.3 | 72.9 | 72.9 | 76.8 | 3.3 | 2.4 | 1.7 | 7.4 | 7.4 | 4.1 |
| Indiana | 80.6 | 82.1 | 83.7 | 68.9 | 68.8 | 63.2 | 3.7 | 3.3 | 2.9 | 7.3 | 7.2 | 7.9 |
| lowa | 88.4 | 88.9 | 89.8 | 79.0 | 79.1 | 74.7 | 2.3 | 2.1 | 2.0 | 5.8 | 5.7 | 4.7 |
| Kansas | 86.9 | 87.6 | 90.2 | 79.5 | 79.6 | 71.0 | 2.7 | 2.5 | 1.7 | 5.2 | 5.2 | 7.2 |
| Kentucky | 86.7 | 87.5 | 88.1 | 79.3 | 79.3 | 67.4 | 2.7 | 2.5 | 2.2 | 4.8 | 4.8 | 9.4 |
| Louisiana Maine | 83.2 88.2 | 90.4 88.3 | 90.6 88.4 | 73.4 79.7 | 73.4 81.0 | 84.0 77.5 | 3.6 2.0 | 1.7 2.0 | 1.7 1.9 | 6.2 * | 6.2 | 3.0 |
| Maryland | 83.7 | 87.7 | 89.6 | 76.5 | 76.5 | 72.6 | 3.7 | 2.5 | 2.0 | 6.2 | 6.1 | 5.8 |
| Massachusetts | 89.7 | 91.3 | 92.6 | 79.5 | 78.5 | 81.6 | 2.1 | 1.7 | 1.4 | 5.3 | 5.6 | 3.9 |
| Michigan | 84.5 | 87.8 | 89.1 | 69.3 | 69.2 | 71.2 | 3.6 | 2.5 | 2.3 | 8.9 | 9.0 | 5.5 |
| Minnesota | 84.5 | 87.1 | 89.1 | 66.5 | 66.5 | 62.8 | 2.7 | 2.0 | 1.6 | 7.2 | 7.2 | 7.3 |
| Mississippi | 82.7 | 89.3 | 89.8 | 74.9 | 74.9 | 71.2 | 3.3 | 1.8 | 1.6 | 5.1 | 5.1 | 7.2 |
| Missouri | 87.7 | 89.2 | 89.8 | 78.7 | 78.7 | 78.0 | 2.6 | 2.1 | 2.0 | 5.7 | 5.7 | 4.8 |
| Montana Nebraska | 82.6 83.2 | 85.3 84.5 | 85.6 87.0 | 82.9 68.0 | 84.2 68.0 | 79.8 68.3 | 3.1 3.1 | 2.1 2.7 | 2.0 2.2 | 7.6 | 7.6 | 5.9 5.9 |
| Nevada | 75.7 | 76.3 | 85.9 | 67.6 | 67.6 | 62.8 | 7.4 | 7.3 | 3.6 | 10.2 | 10.1 | 12.4 |
| New Hampshire | 90.6 | 91.0 | 91.5 | 79.5 | 78.3 | 81.2 | 1.7 | 1.5 | 1.4 | * | * | 4.0 |
| New Jersey | 79.8 | 83.3 | 88.8 | 63.4 | 63.1 | 67.4 | 5.3 | 3.9 | 2.6 | 11.6 | 11.9 | 8.0 |
| New Mexico | 69.0 | 70.3 | 76.7 | 65.8 | 65.9 | 66.3 | 7.7 | 7.1 | 5.0 | 9.4 | 9.7 | 8.5 |
| New York | 80.5 | 83.9 | 87.8 | 70.3 | 70.2 | 73.2 | 5.2 | 4.0 2.4 | 2.9 1.5 | 9.0 | 9.0 | 7.1 6.7 |
| North Carolina North Dakota | 84.4 85.8 | 87.3 88.4 | 90.9 88.7 | 75.9 78.4 | 75.9 79.2 | 69.9 78.1 | 3.1 2.4 | 2.4 | 1.5 | 5.2 | 5.2 | 0.7 |
| Ohio | 87.3 | 89.1 | 89.5 | 77.2 | 77.2 | 77.3 | 3.4 | 2.6 | 2.4 | 8.0 | 8.0 | 6.3 |
| Oklahoma | 77.4 | 79.5 | 81.5 | 69.2 | 69.3 | 65.4 | 5.4 | 4.7 | 4.1 | 8.2 | 8.2 | 9.5 |
| Oregon | 81.5 | 81.8 | 84.6 | 76.6 | 77.0 | 69.9 | 3.7 | 3.6 | 2.9 | 3.8 | 3.9 | 6.2 |
| Pennsylvania Rhode Island | 85.2 91.4 | 87.4 92.4 | 88.4 93.7 | 72.9 84.5 | 73.0 84.9 | 73.2 87.5 | 3.3 1.1 | 2.6 0.9 | 2.3 0.8 | 7.3 2.8 | 7.3 2.7 | 5.6 1.4 |
| South Carolina | 79.2 | 84.3 | 86.1 | 69.5 | 69.5 | 63.9 | 4.4 | 3.2 | 2.7 | 6.8 | 6.8 | 9.1 |
| South Dakota | 79.2 | 84.3 82.2 | 82.5 | 69.5 59.0 | 69.5 59.4 | 66.5 | 4.4 | 3.2 2.6 | 2.7 2.5 | 0.8 | 0.8 | 9.1 |
| Tennessee | 82.8 | 85.7 | 87.6 | 72.2 | 72.2 | 57.1 | 4.1 | 3.0 | 2.3 | 7.9 | 7.9 | 14.7 |
| Texas | 80.3 | 80.5 | 88.0 | 77.0 | 76.9 | 74.2 | 4.9 | 4.9 | 2.5 | 5.7 | 5.7 | 6.9 |
| Utah | 79.3 | 80.3 | 83.5 | 61.7 | 61.6 | 60.8 | 4.7 | 4.3 | 3.4 | 15.0 | 15.2 | 9.6 |
| Vermont | 89.3 | 89.3 | 89.5 | 77.4 | 75.9 | 81.8 | 1.8 | 1.8 | 1.7 | * | * | * |
| Virginia | 85.1 | 87.8 | 90.5 | 76.5 | 76.5 | 69.8 | 3.6 | 2.8 | 2.0 | 5.8 | 5.7 | 7.9 |
| Washington | 83.2 | 83.8 | 86.2 | 77.0 | 76.9 | 73.1 | 3.0 | 2.8 | 2.2 | 4.7 | 4.6 | 5.3 |
| West Virginia | 86.3 | 86.8 | 86.9 | 76.2 69.6 | 76.6 | 63.4 69.8 | 2.2 | 2.1 2.7 | 2.1 2.4 | 4.1 | 4.0 | |
| Wisconsin Wyoming | 83.8 82.9 | 86.2 83.4 | 87.7 84.6 | 69.6 83.1 | 69.5 84.4 | 69.8 71.6 | 3.4 4.0 | 3.8 | 2.4 3.7 | 8.1 | 8.1 | 6.3 5.5 |
| Puerto Rico | 79.4 | 80.1 | | 71.1 | | | 3.3 | 3.0 | | 5.8 | | |
| Virgin Islands | 65.6 | 65.1 | 81.0 | 65.3 | 66.4 | 59.5 | 8.6 | 8.7 | * | 8.9 | 8.1 | 10.6 |
| Guam | 64.0 | 88.8 | 89.4 | 86.5 | 86.5 | 72.0 | 12.2 | * | * | * | * | * |
| American Samoa | | * | | * | | | | * | | * | | |
| Northern Marianas | 30.1 | * | | * | | | 25.8 | * | | * | | |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 - Data not available.
 1 Care beginning in 3rd trimester.
 2 Includes races other than white and black and origin not stated.
 3 Includes all persons of Hispanic origin of any race.
 4 Excludes data for the territories.

Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 2001

| | - | | | Month of | pregnancy pre | natal care be | yan | | |
|--|-----------|-----------|----------------------|-------------|-------------------|---------------|-------------------|------------|---------------|
| Number of prenatal visits | All | | 1st trimester | | 2d trimester | La | ate or no care | | NL-4 |
| and race and Hispanic origin of mother | births - | Total | 1st and 2d months | 3d month | 4th-6th months | Total | 7th-9th months | No care | Not stated |
| All races 1 | 4,025,933 | 3,276,902 | 2,534,944 | 741,958 | 506,668 | 147,390 | 105,662 | 41,728 | 94,973 |
| No visits | 41,728 | | | | | 41,728 | | 41,728 | |
| 1-2 visits | 41,755 | 10,928 | 7,248 | 3,680 | 9,764 | 19,121 | 19,121 | -1,720 | 1,942 |
| 3-4 visits | 86,035 | 25,606 | 15,090 | 10,516 | 30,653 | 27,216 | 27,216 | | 2,560 |
| 5-6 visits | 183,463 | 80,249 | 47,074 | 33,175 | 73,582 | 26,044 | 26,044 | | 3,588 |
| 7-8 visits | 342,823 | 213,002 | 132,086 | 80,916 | 109,984 | 15,206 | 15,206 | | 4,631 |
| 9-10 visits | 776,133 | 620,324 | 424,571 | 195.753 | 138,479 | 8,618 | 8,618 | | 8,712 |
| 11-12 visits | 1,044,952 | 957,024 | 744.129 | 212,895 | 78,747 | 3,518 | 3,518 | | 5,663 |
| 13-14 visits | 660,605 | 627,192 | 520,940 | 106,252 | 28,642 | 1,428 | 1,428 | | 3,343 |
| 15-16 visits | 473,523 | 451,622 | 393,547 | 58,075 | 18,652 | 1,420 | 1,146 | | 2,103 |
| | | | | | 3,437 | 217 | 217 | | , |
| 17-18 visits | 104,020 | 99,838 | 85,564 | 14,274 | | | | | 528 899 |
| 19 visits or more | 146,295 | 139,215 | 123,755 | 15,460 | 5,727 | 454 | 454 | | |
| Not stated | 124,601 | 51,902 | 40,940 | 10,962 | 9,001 | 2,694 | 2,694 | | 61,004 |
| Median number of visits | 12.3 | 12.6 | 12.8 | 11.5 | 9.5 | 5.4 | 5.4 | | 10.3 |
| White, total | 3,177,626 | 2,648,763 | 2,064,013 | 584,750 | 361,527 | 99,225 | 72,661 | 26,564 | 68,111 |
| No visits | 26,564 | | | - | | 26,564 | | 26,564 | |
| 1-2 visits | 26,940 | 7,398 | 4,990 | 2,408 | 5,870 | 12,569 | 12,569 | | 1,103 |
| 3-4 visits | 56,945 | 17,231 | 10,226 | 7,005 | 19,670 | 18,281 | 18,281 | | 1,763 |
| 5-6 visits | 128,656 | 57,560 | 33,685 | 23,875 | 50,516 | 18,116 | 18,116 | | 2,464 |
| 7-8 visits | 257,473 | 164,803 | 102,839 | 61,964 | 78,383 | 10,802 | 10,802 | | 3,485 |
| 9-10 visits | 603,605 | 491,348 | 338,275 | 153,073 | 100,340 | 6,068 | 6,068 | | 5,849 |
| | | | | | | | | | |
| 11-12 visits | 852,565 | 786,864 | 615,133 | 171,731 | 58,593 | 2,636 | 2,636 | | 4,472 |
| 13-14 visits | 545,362 | 520,022 | 433,464 | 86,558 | 21,661 | 1,065 | 1,065 | | 2,614 |
| 15-16 visits | 384,337 | 368,121 | 321,325 | 46,796 | 13,734 | 848 | 848 | | 1,634 |
| 17-18 visits | 85,531 | 82,342 | 71,100 | 11,242 | 2,586 | 176 | 176 | | 427 |
| 19 visits or more | 18,191 | 113,150 | 101,275 | 11,875 | 4,036 | 332 | 332 | | 673 |
| Not stated | 91,457 | 39,924 | 31,701 | 8,223 | 6,138 | 1,768 | 1,768 | | 43,627 |
| Median number of visits | 12.3 | 12.6 | 12.8 | 11.6 | 9.6 | 5.5 | 5.5 | | 10.4 |
| White, non-Hispanic | 2,326,578 | 2,022,737 | 1,605,473 | 417,264 | 210,946 | 51,230 | 37,808 | 13,422 | 41,665 |
| No visits | 13,422 | | | | | 13,422 | | 13,422 | |
| 1-2 visits | 13,621 | 3,937 | 2,700 | 1,237 | 2,885 | 6,231 | 6,231 | | 568 |
| 3-4 visits | 30,489 | 10,202 | 6,295 | 3,907 | 10,287 | 8,976 | 8,976 | | 1,024 |
| 5-6 visits | 76,071 | 38,210 | 23,267 | 14,943 | 27,158 | 9,169 | 9,169 | | 1,534 |
| 7-8 visits | 169,987 | 117,474 | 75,664 | 41,810 | 44,537 | 5,738 | 5,738 | | 2,238 |
| 9-10 visits | 423,441 | 357,166 | 252,298 | 104,868 | 58,635 | 3,455 | 3,455 | | 4,185 |
| 11-12 visits | 663,143 | 620,242 | 491,932 | 128,310 | 37,915 | 1,635 | 1,635 | | 3,35 |
| 13-14 visits | 431,669 | 414,269 | 347,287 | 66,982 | 14,643 | 716 | 716 | | 2,04 |
| 15-16 visits | 290,194 | 280,689 | 247,227 | 33,462 | 7,699 | 570 | 570 | | 1,236 |
| 17-18 visits | 67,748 | 65,534 | 56,992 | 8,542 | 1,750 | 113 | 113 | | 351 |
| 19 visits or more | 93,670 | 90,299 | 81,521 | 8,778 | 2,615 | 236 | 236 | | 520 |
| Not stated | 53,123 | 24,715 | 20,290 | 4,425 | 2,822 | 969 | 969 | | 24,617 |
| Median number of visits | 12.5 | 12.7 | 12.8 | 11.9 | 9.9 | 5.7 | 5.7 | | 10.7 |
| Black, total | 606,156 | 436,504 | 325,221 | 111,283 | 111,414 | 38,243 | 24,927 | 13,316 | 19,995 |
| No visits | 13,316 | | | | | 13,316 | | 13,316 | |
| 1-2 visits | 11,900 | 2,836 | 1,794 | 1,042 | 3,250 | 5,118 | 5,118 | | 696 |
| 3-4 visits | 22,808 | 6,669 | 3,895 | 2,774 | 8,737 | 6,779 | 6,779 | | 623 |
| 5-6 visits | 41,484 | 17,052 | 10,177 | 6,875 | 17,620 | 5,945 | 5,945 | | 867 |
| | 60,903 | 33,110 | 20,102 | 13,008 | 23,719 | 3,233 | 3,233 | | 841 |
| 7-8 visits | | | | 29.980 | 23,719 | | | | |
| 9-10 visits | 123,264 | 89,979 | 59,999 | - , | | 1,920 | 1,920 | | 2,336 |
| 11-12 visits | 128,746 | 112,098 | 83,938 | 28,160 | 15,201 | 626 | 626 | | 821 |
| 13-14 visits | 78,888 | 72,845 | 59,157 | 13,688 | 5,288 | 262 | 262 | | 493 |
| 15-16 visits | 64,000 | 59,428 | 51,214 | 8,214 | 4,029 | 232 | 232 | | 31 |
| 17-18 visits | 13,499 | 12,722 | 10,361 | 2,361 | 679 | 27 | 27 | | 71 |
| 19 visits or more | 21,900 | 20,167 | 17,220 | 2,947 | 1,465 | 94 | 94 | | 174 |
| Not stated | 25,448 | 9,598 | 7,364 | 2,234 | 2,397 | 691 | 691 | | 12,762 |
| Median number of visits | 11.6 | 12.4 | 12.7 | 11.1 | 9.1 | 5.1 | 5.1 | | 9.9 |

See footnotes at end of table.

Table 35. Live births by month of pregnancy prenatal care began, number of prenatal visits, and median number of visits, by race and Hispanic origin of mother: United States, 2001 -- Con.

| | | | | Month of | pregnancy pre | enatal care be | gan | | |
|--|----------|---------|----------------------|-------------|-------------------|----------------|-------------------|------------|---------------|
| Number of prenatal visits | All | | 1st trimester | | 2d trimester | L | ate or no care | | |
| and race and Hispanic origin of mother | births - | Total | 1st and 2d months | 3d month | 4th-6th months | Total | 7th-9th months | No care | Not stated |
| Black, non-Hispanic | 589,917 | 425,083 | 316,867 | 108,216 | 108,638 | 37,199 | 24,120 | 13,079 | 18,997 |
| No visits | 13.079 | | | | | 13.079 | | 13.079 | |
| 1-2 visits | 11,652 | 2.776 | 1,758 | 1,018 | 3,190 | 4,995 | 4,995 | | 691 |
| 3-4 visits | 22,278 | 6,549 | 3.820 | 2,729 | 8,548 | 6,572 | 6,572 | | 609 |
| 5-6 visits | 40.423 | 16,645 | 9,939 | 6.706 | 17,215 | 5,744 | 5,744 | | 819 |
| 7-8 visits | 59,162 | 32.152 | 19,535 | 12,617 | 23,104 | 3,106 | 3,106 | | 800 |
| 9-10 visits | 118.966 | 86.936 | 57.876 | 29.060 | 28,261 | 1.830 | 1.830 | | 1.939 |
| 11-12 visits | 125,193 | 109.045 | 81.673 | 27,372 | 14.754 | 600 | 600 | | 794 |
| 13-14 visits | 76.993 | 71.112 | 57.798 | 13.314 | 5.158 | 254 | 254 | | 469 |
| 15-16 visits | 62,799 | 58,304 | 50,283 | 8,021 | 3.960 | 227 | 227 | | 308 |
| 17-18 visits | 13.228 | 12.472 | 10.166 | 2.306 | 661 | 25 | 25 | | 70 |
| 19 visits or more | 21,492 | 19.787 | 16.895 | 2,892 | 1,442 | 92 | 92 | | 171 |
| Not stated | 24,652 | 9,305 | 7,124 | 2,181 | 2,345 | 675 | 675 | | 12,327 |
| Median number of visits | 11.7 | 12.4 | 12.7 | 11.1 | 9.1 | 5.1 | 5.1 | | 9.8 |
| Hispanic ² | 851,851 | 625,816 | 457,753 | 168,063 | 152,170 | 48,502 | 35,400 | 13,102 | 25,363 |
| No visits | 13.102 | | | | | 13.102 | | 13,102 | |
| 1-2 visits | 13,422 | 3,476 | 2,292 | 1.184 | 3,013 | 6.411 | 6.411 | -, - | 522 |
| 3-4 visits | 26,730 | 7.042 | 3,942 | 3.100 | 9,498 | 9,460 | 9,460 | | 730 |
| 5-6 visits | 53.066 | 19,483 | 10,492 | 8,991 | 23,556 | 9,105 | 9.105 | | 922 |
| 7-8 visits | 88,196 | 47.567 | 27,298 | 20,269 | 34,253 | 5,143 | 5,143 | | 1.233 |
| 9-10 visits | 182,178 | 135,258 | 86,690 | 48.568 | 42,246 | 2,701 | 2,701 | | 1,973 |
| 11-12 visits | 189,403 | 166,368 | 122,829 | 43,539 | 20,917 | 1,027 | 1,027 | | 1,091 |
| 13-14 visits | 113,511 | 105,519 | 85.923 | 19.596 | 7.060 | 348 | 348 | | 584 |
| 15-16 visits | 93,595 | 86,865 | 73,566 | 13,299 | 6,071 | 278 | 278 | | 381 |
| 17-18 visits | 17,728 | 16,744 | 14,041 | 2,703 | 844 | 66 | 66 | | 74 |
| 19 visits or more | 24,315 | 22,644 | 19,572 | 3,072 | 1,424 | 94 | 94 | | 153 |
| Not stated | 36,605 | 14,850 | 11,108 | 3,742 | 3,288 | 767 | 767 | | 17,700 |
| Median number of visits | 11.7 | 12.4 | 12.7 | 11.0 | 9.3 | 5.3 | 5.3 | | 9.7 |

Category not applicable.
 Includes races other than white and black and origin not stated.
 Includes all persons of Hispanic origin of any race.

Table 36. Live births to mothers with selected obstetric procedures and rates by age of mother, by race of mother: United States, 2001

[Rates are number of live births with specified procedure per 1,000 live births in specified group]

| | A.U. | Obstetric | | | ļ | Age of mothe | ər | | | Net |
|---|---|--|--|---|---|--|--|--|---|--|
| Obstetric procedure and race of mother | All births ¹ | procedure reported | All ages | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years | - Not stated ² |
| All races ³ | | | | | | | | | | |
| Amniocentesis Electronic fetal monitoring Induction of labor Stimulation of labor Tocolysis Ultrasound | 4,025,933 4,025,933 4,025,933 4,025,933 4,025,933 4,025,933 | 87,927 3,397,544 819,924 702,660 84,602 2,696,063 | 21.9 847.9 204.6 175.4 21.1 672.8 | 5.9 860.9 195.6 191.8 22.9 640.1 | 7.4 855.9 205.2 183.4 22.7 659.5 | 9.8 850.0 212.6 177.2 21.1 677.5 | 17.5 842.3 205.6 169.2 19.9 689.3 | 86.2 829.9 195.1 155.6 18.8 688.9 | 126.8 817.1 188.8 145.6 19.5 680.4 | 18,830 18,830 18,830 18,830 18,830 18,830 |
| White | | | | | | | | | | |
| Amniocentesis Electronic fetal monitoring Induction of labor Stimulation of labor Tocolysis Ultrasound | 3,177,626 3,177,626 3,177,626 3,177,626 3,177,626 3,177,626 3,177,626 | 71,930 2,685,098 680,846 561,467 67,022 2,162,694 | 22.7 849.0 215.3 177.5 21.2 683.8 | 5.7 860.5 206.5 197.0 23.3 655.3 | 7.2 856.2 216.7 187.5 22.9 672.4 | 9.6 852.1 223.8 178.9 21.3 686.5 | 17.5 844.9 215.3 170.5 20.0 697.6 | 88.3 832.0 204.3 157.1 18.5 696.8 | 133.3 817.8 196.4 148.2 19.2 688.7 | 15,052 15,052 15,052 15,052 15,052 15,052 |
| Black | | | | | | | | | | |
| Amniocentesis Electronic fetal monitoring Induction of labor Stimulation of labor Tocolysis Ultrasound | 606,156 606,156 606,156 606,156 606,156 606,156 | 8,701 517,061 102,847 97,216 12,683 372,493 | 14.4 855.6 170.2 160.9 21.0 616.4 | 6.5 867.2 170.4 178.0 20.7 598.2 | 8.0 862.6 170.2 167.3 21.4 610.6 | 10.5 852.9 172.5 158.8 20.7 624.5 | 15.5 843.9 170.6 147.3 21.0 630.0 | 53.2 835.2 163.3 135.3 21.0 630.0 | 76.2 834.6 166.2 125.1 20.6 630.1 | 1,837 1,837 1,837 1,837 1,837 1,837 |

Total number of births to residents of areas reporting specified obstetric procedures.
 No response reported for the obstetric procedures item.
 Includes races other than white and black.

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

Table 37. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother: United States, 2001

[Rates are number of live births with specified complication per 1,000 live births in specified group]

| | All births ¹ | Complication reported | Age of mother | | | | | | | |
|--------------------------------------|----------------------------|-----------------------|---------------|-------------------|----------------|----------------|----------------|----------------|----------------|--|
| Complication and race of mother | | | All ages | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years | Not stated ² |
| All races ³ | | | | | | | | | | |
| -ebrile | 4.025.933 | 61.431 | 15.4 | 19.4 | 15.9 | 15.7 | 14.4 | 12.2 | 11.1 | 25.152 |
| Meconium, moderate/heavy | 4,025,933 | 206,123 | 51.5 | 58.6 | 53.0 | 49.8 | 49.1 | 49.9 | 52.6 | 25,152 |
| Premature rupture of membrane | 4,025,933 | 95,129 | 23.8 | 24.7 | 22.8 | 23.0 | 24.1 | 25.3 | 27.8 | 25.152 |
| Abruptio placenta | 4,025,933 | 21.765 | 5.4 | 5.2 | 5.3 | 5.1 | 5.4 | 6.5 | 8.6 | 25,152 |
| Placenta previa | 4.025.933 | 13.198 | 3.3 | 1.0 | 1.8 | 2.9 | 4.4 | 6.5 | 8.8 | 25,152 |
| Other excessive bleeding | 4,025,933 | 26,231 | 6.6 | 6.4 | 6.2 | 6.4 | 6.6 | 7.4 | 8.2 | 25,152 |
| | | | | | | | | | | |
| Seizures during labor | 4,025,933 | 1,282 | 0.3 | 0.7 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 25,152 |
| Precipitous labor | 4,025,933 | 75,745 | 18.9 | 13.6 | 17.8 | 19.1 | 20.6 | 22.4 | 21.8 | 25,152 |
| Prolonged labor | 4,025,933 | 29,192 | 7.3 | 8.4 | 7.5 | 7.2 | 7.0 | 6.6 | 7.4 | 25,152 |
| Dysfunctional labor | 4,025,933 | 112,268 | 28.1 | 28.5 | 26.8 | 28.0 | 28.5 | 28.8 | 31.4 | 25,152 |
| Breech/Malpresentation | 4,025,933 | 153,141 | 38.3 | 28.6 | 31.2 | 37.3 | 44.5 | 49.4 | 56.3 | 25,152 |
| Cephalopelvic disproportion | 4,025,933 | 66,060 | 16.5 | 16.8 | 15.2 | 16.8 | 17.4 | 16.5 | 17.1 | 25,152 |
| Cord prolapse | 4,025,933 | 7,267 | 1.8 | 1.3 | 1.6 | 1.8 | 2.0 | 2.4 | 2.6 | 25,152 |
| Anesthetic complication ⁴ | 3,660,523 | 2,414 | 0.7 | 0.5 | 0.5 | 0.7 | 0.8 | 0.8 | 0.8 | 27,726 |
| Fetal distress ⁴ | 3,660,523 | 140,617 | 38.7 | 43.4 | 38.2 | 36.8 | 37.4 | 40.9 | 46.0 | 27,726 |
| White | | | | | | | | | | |
| -ebrile | 3,177,626 | 46.631 | 14.8 | 18.9 | 15.7 | 15.2 | 13.7 | 11.5 | 10.8 | 20.118 |
| Meconium, moderate/heavy | 3,177,626 | 151.345 | 47.9 | 53.2 | 49.4 | 46.5 | 46.1 | 46.9 | 49.5 | 20,118 |
| Premature rupture of membrane | 3,177,626 | 72,234 | 22.9 | 22.9 | 21.8 | 22.2 | 23.4 | 24.5 | 27.4 | 20,118 |
| Abruptio placenta | 3,177,626 | 16,571 | 5.2 | 5.0 | 5.0 | 5.0 | 5.2 | 6.3 | 8.2 | 20,118 |
| Placenta previa | 3,177,626 | 10,204 | 3.2 | 1.0 | 1.8 | 2.8 | 4.2 | 6.2 | 8.1 | 20,118 |
| | 3,177,626 | 20.939 | 6.6 | 6.7 | 6.4 | 6.5 | 6.5 | 7.3 | 7.8 | 20,110 |
| Other excessive bleeding | | 20,939 | 0.0 | 0.7 | 0.4 | 0.3 | 0.5 | 0.2 | 0.3 | 20,110 |
| Seizures during labor | 3,177,626 | | | | | | | | | - , - |
| Precipitous labor | 3,177,626 | 58,664 | 18.6 | 12.5 | 17.0 | 18.6 | 20.4 | 22.7 | 21.9 | 20,118 |
| Prolonged labor | 3,177,626 | 23,794 | 7.5 | 8.8 | 7.9 | 7.3 | 7.1 | 6.9 | 7.8 | 20,118 |
| Dysfunctional labor | 3,177,626 | 88,782 | 28.1 | 28.6 | 27.1 | 28.2 | 28.3 | 28.5 | 31.6 | 20,118 |
| Breech/Malpresentation | 3,177,626 | 125,809 | 39.8 | 30.8 | 32.7 | 38.4 | 45.7 | 50.2 | 56.8 | 20,118 |
| Cephalopelvic disproportion | 3,177,626 | 53,436 | 16.9 | 17.6 | 16.0 | 17.4 | 17.2 | 16.5 | 17.4 | 20,118 |
| Cord prolapse | 3,177,626 | 5,722 | 1.8 | 1.2 | 1.6 | 1.8 | 2.0 | 2.4 | 2.6 | 20,118 |
| Anesthetic complication ⁴ | 2,865,647 | 1,962 | 0.7 | 0.5 | 0.6 | 0.7 | 0.8 | 0.8 | 0.9 | 22,313 |
| Fetal distress ⁴ | 2,865,647 | 104,731 | 36.8 | 41.2 | 36.5 | 35.1 | 35.6 | 38.9 | 44.0 | 22,313 |
| Black | | | | | | | | | | |
| -ebrile | 606,156 | 9,194 | 15.2 | 20.4 | 15.5 | 13.3 | 13.5 | 12.3 | 9.3 | 2,562 |
| Meconium, moderate/heavy | 606,156 | 41,937 | 69.5 | 73.5 | 66.7 | 67.5 | 71.4 | 72.0 | 73.2 | 2,562 |
| Premature rupture of membrane | 606.156 | 16,773 | 27.8 | 28.5 | 26.2 | 26.4 | 29.4 | 32.2 | 31.9 | 2.562 |
| Abruptio placenta | 606,156 | 4,005 | 6.6 | 5.6 | 6.6 | 6.4 | 7.1 | 8.2 | 11.1 | 2,562 |
| Placenta previa | 606,156 | 1,832 | 3.0 | 0.9 | 2.1 | 3.3 | 4.7 | 6.6 | 8.6 | 2.562 |
| Other excessive bleeding | 606,156 | 2.985 | 4.9 | 4.5 | 4.5 | 4.6 | 5.6 | 6.5 | 8.6 | 2,562 |
| Seizures during labor | 606,156 | 2,303 | 0.5 | 0.8 | 0.5 | 0.4 | 0.3 | * | * | 2,562 |
| Precipitous labor | 606,156 | 12,192 | 20.2 | 15.7 | 19.8 | 22.1 | 22.5 | 21.9 | 21.8 | 2,562 |
| | 606,156 | 3,342 | 20.2 5.5 | 6.8 | 5.6 | 5.2 | 4.8 | 4.9 | 4.7 | 2,562 |
| Prolonged labor | | | | | | | | | | |
| Dysfunctional labor | 606,156 | 15,283 | 25.3 | 27.0 | 24.3 | 24.3 | 26.6 | 26.0 | 25.7 | 2,562 |
| Breech/Malpresentation | 606,156 | 18,533 | 30.7 | 22.8 | 25.6 | 31.6 | 39.1 | 46.2 | 53.3 | 2,562 |
| Cephalopelvic disproportion | 606,156 | 7,653 | 12.7 | 14.6 | 12.2 | 11.6 | 13.6 | 11.9 | 11.0 | 2,562 |
| Cord prolapse | 606,156 | 1,139 | 1.9 | 1.3 | 1.8 | 1.9 | 2.3 | 2.7 | 3.3 | 2,562 |
| Anesthetic complication ⁴ | 565,406 | 315 | 0.6 | 0.4 | 0.5 | 0.6 | 0.8 | 0.7 | * | 2,902 |
| Fetal distress 4 | 565,406 | 27,180 | 48.3 | 49.6 | 45.0 | 45.8 | 51.3 | 56.8 | 61.3 | 2,902 |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 Total number of births to residents of areas reporting specified complication.
 No response reported for the complications item.
 Includes races other than white and black.
 Texas does not report this complication.

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

Table 38. Live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2001

| Place of delivery and race and Hispanic origin of mother | | Physician | | | | Midwife | | | |
|--|-----------------|----------------|--------------------|----------------------|-----------------|-------------------------------|------------------|----------------|-------------|
| | All births | Total | Doctor of medicine | Doctor of osteopathy | Total | Certified nurse midwife | Other midwife | Other | Unspecified |
| All races ¹ | | | | | | | | | |
| Total | 4,025,933 | 3,681,029 | 3,509,203 | 171,826 | 322,398 | 305,606 | 16,792 | 21,338 | 1,168 |
| In hospital ² | 3,989,662 | 3,676,520 | 3,505,396 | 171,124 | 300,647 | 296,620 | 4,027 | 11,816 | 679 |
| Not in hospital Freestanding birthing center | 35,944 9,978 | 4,311 1,318 | 3,623 888 | 688 430 | 21,687 8,390 | 8,932 5,607 | 12,755 2,783 | 9,489 259 | 457 11 |
| Clinic or doctor's office | 494 | 223 | 207 | 16 | 229 | 120 | 109 | 41 | 1 |
| Residence Other | 23,245 2,227 | 2,130 640 | 1,910 618 | 220 22 | 12,655 413 | 3,004 201 | 9,651 212 | 8,122 1,067 | 338 107 |
| Not specified | 327 | 198 | 184 | 14 | 64 | 54 | 10 | 33 | 32 |
| White, total | | | | | | | | | |
| Total | 3,177,626 | 2,903,305 | 2,756,334 | 146,971 | 256,663 | 240,989 | 15,674 | 16,750 | 908 |
| In hospital ² | 3,145,622 | 2,899,989 | 2,753,669 | 146,320 | 236,050 | 232,684 | 3,366 | 9,009 | 574 |
| Not in hospital Freestanding birthing center | 31,744 9,251 | 3,152 1,204 | 2,514 776 | 638 428 | 20,554 7,803 | 8,256 5,161 | 12,298 2,642 | 7,726 234 | 312 10 |
| Clinic or doctor's office | 432 | 177 | 163 1,233 | 14 182 | 223 12,162 | 116 | 107 | 31 6 722 | 1 246 |
| Residence Other | 20,546 1,515 | 1,415 356 | 342 | 14 | 366 | 2,814 165 | 9,348 201 | 6,723 738 | 240 55 |
| Not specified | 260 | 164 | 151 | 13 | 59 | 49 | 10 | 15 | 22 |
| White, non-Hispanic | | | | | | | | | |
| Total | 2,326,578 | 2,138,732 | 2,020,787 | 117,945 | 175,097 | 161,679 | 13,418 | 12,262 | 487 |
| In hospital ² | 2,299,043 | 2,135,865 | 2,018,544 | 117,321 | 157,198 | 154,465 | 2,733 | 5,700 | 280 |
| Not in hospital Freestanding birthing center | 27,332 7,556 | 2,735 1,143 | 2,122 721 | 613 422 | 17,843 6,191 | 7,168 4,372 | 10,675 1,819 | 6,552 213 | 202 9 |
| Clinic or doctor's office | 392 | 160 | 147 | 13 | 205 | 104 | 101 | 26 | 1 |
| Residence Other | 18,312 1,072 | 1,174 258 | 1,009 245 | 165 13 | 11,155 292 | 2,573 119 | 8,582 173 | 5,816 497 | 167 25 |
| Not specified | 203 | 132 | 121 | 11 | 56 | 46 | 10 | 10 | 5 |
| Black, total | | | | | | | | | |
| Total | 606,156 | 557,375 | 538,888 | 18,487 | 45,284 | 44,712 | 572 | 3,335 | 162 |
| In hospital ² | 603,084 | 556,395 | 537,951 | 18,444 | 44,626 | 44,257 | 369 | 2,002 | 61 |
| Not in hospital Freestanding birthing center | 3,034 463 | 967 69 | 925 68 | 42 1 | 655 378 | 452 292 | 203 86 | 1,321 16 | 91 |
| Clinic or doctor's office | 29 | 23 | 23 | - | 3 | 3 | - | 3 | - |
| Residence Other | 2,032 510 | 632 243 | 597 237 | 35 6 | 249 25 | 135 22 | 114 3 | 1,097 205 | 54 37 |
| Not specified | 38 | 13 | 12 | 1 | 3 | 3 | - | 12 | 10 |
| Black, non-Hispanic | | | | | | | | | |
| Total | 589,917 | 543,117 | 525,219 | 17,898 | 43,400 | 42,858 | 542 | 3,250 | 150 |
| In hospital ² | 586,966 | 542,172 | 524,315 | 17,857 | 42,781 | 42,423 | 358 | 1,954 | 59 |
| Not in hospital Freestanding birthing center | 2,920 443 | 934 69 | 894 68 | 40 1 | 616 358 | 432 281 | 184 77 | 1,286 16 | 84 |
| Clinic or doctor's office | 28 | 22 | 22 | - | 3 | 3 | - | 3 | - |
| Residence Other | 1,957 492 | 606 237 | 573 231 | 33 6 | 231 24 | 126 22 | 105 2 | 1,069 198 | 51 33 |
| Not specified | 31 | 11 | 10 | 1 | 3 | 3 | - | 10 | 7 |
| Hispanic ³ | | | | | | | | | |
| Total | 851,851 | 765,437 | 736,549 | 28,888 | 81,724 | 79,698 | 2,026 | 4,325 | 365 |
| In hospital ² | 847,859 | 765,007 | 736,144 | 28,863 | 79,275 | 78,685 | 590 | 3,308 | 269 |
| Not in hospital Freestanding birthing center | 3,974 1,676 | 417 54 | 393 50 | 24 4 | 2,446 1,601 | 1,010 773 | 1,436 828 | 1,015 20 | 96 1 |
| Clinic or doctor's office | 37 | 16 | 15 | 1 | 16 | 10 | 6 | 5 | - |
| Residence Other | 1,824 437 | 243 104 | 225 103 | 18 1 | 758 71 | 183 44 | 575 27 | 759 231 | 64 31 |
| Not specified | 18 | 13 | 12 | 1 | 3 | 3 | - | 231 | - |

Quantity zero.
Includes races other than white and black and origin not stated.
Includes births occurring en route to or on arrival at hospital.
Includes all persons of Hispanic origin of any race.

Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-2001

| | | | Births by | method of de | livery | | | Cesarean | delivery rate | Data af |
|---|------------------------|------------------------|-------------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|----------------------|--|
| Year and race | | Vagi | nal | | Cesarean | | | | | Rate of vaginal birt |
| and Hispanic origin of mother | All births | Total | After previous cesarean | Total | Primary | Repeat | Not stated | Total ¹ | Primary ² | after previous cesarean |
| All races ⁴ | | | | | | | | | | |
| 001 | 4,025,933 | 3,027,993 | 74,048 | 978,411 | 601,383 | 377,028 | 19,529 | 24.4 | 16.9 | 16.4 |
| 000 | 4,058,814 | 3,108,188 | 89,978 | 923,991 | 577,638 | 346,353 | 26,635 | 22.9 | 16.1 | 20.6 |
| 999 | 3,959,417 | 3,063,870 | 97,680 | 862,086 | 542,080 | 320,006 | 33,461 | 22.0 | 15.5 | 23.4 |
| 998 | 3,941,553 | 3,078,537 | 108,903 | 825,870 | 519,975 | 305,895 | 37,146 | 21.2 | 14.9 | 26.3 |
| 997 | 3,880,894 | 3,046,621 | 112,145 | 799,033 | 502,526 | 296,507 | 35,240 | 20.8 | 14.6 | 27.4 |
| 996 | 3,891,494 | 3,061,092 | 116,045 | 797,119 | 503,724 | 293,395 | 33,283 | 20.7 | 14.6 | 28.3 |
| 995 | 3,899,589 | 3,063,724 | 112,439 | 806,722 | 510,104 | 296,618 | 29,143 | 20.8 | 14.7 | 27.5 |
| 994 | 3,952,767 | 3,087,576 | 110,341 | 830,517 | 520,647 | 309,870 | 34,674 | 21.2 | 14.9 | 26.3 |
| 993 | 4,000,240 | 3,098,796 | 103,581 | 861,987 | 539,251 | 322,736 | 39,457 | 21.8 | 15.3 | 24.3 |
| 992 | 4,065,014 | 3,100,710 | 97,549 | 888,622 | 554,662 | 333,960 | 75,682 | 22.3 | 15.6 | 22.6 |
| 991 | 4,110,907 | 3,100,891 | 90,690 | 905,077 | 569,195 | 335,882 | 104,939 | 22.6 | 15.9 | 21.3 |
| 990 ⁵ 989 ⁶ | 4,110,563 | 3,111,421 | 84,299 | 914,096 | 575,066 | 339,030 | 85,046 | 22.7 | 16.0 | 19.9 |
| 989 ° | 3,798,734 | 2,793,463 | 71,019 | 826,955 | 521,873 | 305,082 | 178,316 | 22.8 | 16.1 | 18.9 |
| White, total | | | | | | | | | | |
| 001 | 3,177,626 | 2,394,930 | 58,053 | 766,771 | 467,285 | 299,486 | 15,925 | 24.3 | 16.7 | 16.2 |
| 000 | 3,194,005 | 2,449,264 | 70,414 | 723,209 | 449,161 | 274,048 | 21,532 | 22.8 | 15.9 | 20.4 |
| 999 | 3,132,501 | 2,426,092 | 77,158 | 678,952 | 424,148 | 254,804 | 27,457 | 21.9 | 15.3 | 23.2 |
| 998 | 3,118,727 | 2,440,113 | 86,495 | 649,987 | 406,439 | 243,548 | 28,627 | 21.0 | 14.7 | 26.2 |
| 997 | 3,072,640 | 2,415,236 | 89,522 | 630,613 | 393,603 | 237,010 | 26,791 | 20.7 | 14.5 | 27.4 |
| 996 | 3,093,057 | 2,434,079 | 93,783 | 631,409 | 395,851 | 235,558 | 27,569 | 20.6 | 14.5 | 28.5 |
| 995 | 3,098,885 | 2,435,191 | 90,940 | 639,818 | 401,098 | 238,720 | 23,876 | 20.8 | 14.6 | 27.6 |
| 994 | 3,121,004 | 2,435,965 | 88,471 | 656,400 | 407,946 | 248,454 | 28,639 | 21.2 | 14.8 | 26.3 |
| 993 | 3,149,833 | 2,435,229 | 82,995 | 682,355 | 423,540 | 258,815 | 32,249 | 21.9 | 15.3 | 24.3 |
| 992 | 3,201,678 | 2,434,959 | 77,977 | 705,841 | 437,398 | 268,443 | 60,878 | 22.5 | 15.7 | 22.5 |
| 991 | 3,241,273 | 2,434,900 | 72,564 | 723,088 | 452,534 | 270,554 | 83,285 | 22.9 | 16.1 | 21.1 |
| 990 ⁵ 989 ⁶ | 3,252,473 3,022,537 | 2,453,857 2,212,843 | 67,191 56,851 | 732,713 667,114 | 458,656 418,177 | 274,057 248,937 | 65,903 142,580 | 23.0 23.2 | 16.1 16.2 | 19.7 18.6 |
| White, non-Hispanic | 0,022,007 | 2,212,010 | 00,001 | 007,111 | | 210,001 | ,000 | 2012 | 10.2 | 1010 |
| • | 0 000 570 | 4 740 554 | 40.045 | 507 400 | 050 077 | 010 511 | 10 500 | 04.5 | 17.0 | 10.0 |
| 2001 | 2,326,578 | 1,746,551 | 43,215 | 567,488 | 353,977 | 213,511 | 12,539 | 24.5 | 17.2 | 16.8 |
| 2000 | 2,362,968 | 1,804,550 | 52,912 | 540,794 | 342,732 | 198,062 | 17,624 21,717 | 23.1 22.1 | 16.4 | 21.1 |
| 999 998 | 2,346,450 2,361,462 | 1,810,682 1,842,420 | 59,480 67,787 | 514,051 495,550 | 327,106 315,138 | 186,945 180,412 | 23,492 | 22.1 | 15.7 15.1 | 24.1 27.3 |
| 997 | 2,333,363 | 1,829,213 | 70,284 | 481,982 | 305,605 | 176,377 | 22,168 | 20.9 | 14.8 | 28.5 |
| 996 | 2,358,989 | 1,851,058 | 73,973 | 485,530 | 308,482 | 177,048 | 22,401 | 20.8 | 14.8 | 29.5 |
| 995 | 2,382,638 | 1,867,024 | 72,124 | 496,103 | 313,933 | 182,170 | 19,511 | 21.0 | 14.9 | 28.4 |
| 994 | 2,438,855 | 1.896.609 | 71,597 | 518,021 | 324,236 | 193,785 | 24,225 | 21.5 | 15.1 | 27.0 |
| 993 | 2,472,031 | 1,902,433 | 67,536 | 542,013 | 338,236 | 203,777 | 27,585 | 22.2 | 15.6 | 24.9 |
| | 2,527,207 | 1,916,414 | 63,828 | 566,788 | 352,470 | 214,318 | 44,005 | 22.8 | 16.0 | 22.9 |
| 991 ⁸ | 2,589,878 | 1,941,726 | 60,174 | 587,802 | 368,721 | 219,081 | 60,350 | 23.2 | 16.4 | 21.5 |
| 990 ^{5, 9} 989 ^{6, 10} | 2,626,500 | 1,972,754 | 55,952 | 603,467 | 378,508 | 224,959 | 50,279 | 23.4 | 16.5 | 19.9 |
| 989 0, 10 | 2,526,367 | 1,806,753 | 47,559 | 556,585 | 349,858 | 206,727 | 163,029 | 23.6 | 16.6 | 18.7 |
| Black, total | | | | | | | | | | |
| 001 | 606,156 | 447,458 | 11,747 | 156,071 | 97,429 | 58,642 | 2,627 | 25.9 | 18.3 | 16.7 |
| 000 | 622,598 | 468,497 | 14,382 | 150,401 | 94,767 | 55,634 | 3,700 | 24.3 | 17.3 | 20.5 |
| 999 | 605,970 | 462,401 | 15,438 | 139,471 | 88,269 | 51,202 | 4,098 | 23.2 | 16.5 | 23.2 |
| 998 | 609,902 | 470,088 | 17,062 | 135,727 | 86,438 | 49,289 | 4,087 | 22.4 | 16.0 | 25.7 |
| 997 996 | 599,913 | 466,001 | 16,986 | 130,142 | 83,025 | 47,117 | 3,770 | 21.8 | 15.6 | 26.5 |
| 996 | 594,781 603,139 | 462,378 468,984 | 16,866 16,224 | 128,357 130,482 | 82,646 84,441 | 45,711 46,041 | 4,046 3,673 | 21.7 21.8 | 15.6 15.7 | 27.0 26.1 |
| 995 | 636,391 | 400,904 493,879 | 16,970 | 130,462 | 88,636 | 40,041 49,431 | 4,445 | 21.8 | 15.7 | 25.6 |
| 993 | 658,875 | 509,816 | 16,179 | 143,452 | 91,677 | 51,775 | 5,607 | 22.0 | 15.7 | 23.8 |
| 992 | 673,633 | 514,929 | 15,382 | 146,480 | 93,165 | 53,315 | 12,224 | 22.0 | 15.7 | 22.4 |
| 991 | 682,602 | 519,047 | 14,213 | 145,583 | 92,645 | 52,938 | 17,972 | 21.9 | 15.5 | 21.2 |
| 990 ⁵ | 679,236 | 516,581 | 13,496 | 146,472 | 93,476 | 52,996 | 16,183 | 22.1 | 15.7 | 20.3 |
| 989 6 | 611,147 | 452,921 | 11,104 | 127,907 | 82,695 | 45,212 | 30,319 | 22.0 | 15.8 | 19.7 |

Table 39. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989-2001 --Con.

| | | | Births by | method of de | livery | | | Cesarean | delivery rate | D . (|
|--|---|--|--|---|--|--|---|--|--|--|
| Year and race and Hispanic origin | - | Vagi | nal | | Cesarean | | | | | Rate of vaginal birth after |
| of mother | All births | Total | After previous cesarean | Total | Primary | Repeat | Not stated | Total ¹ | Primary ² | previous cesarean ³ |
| Black, non-Hispanic | | | | | | | | | | |
| 2001 2000 1999 1998 1997 1996 1995 1994 1993 1994 1993 1992 1994 1993 1994 1993 1994 1995 1994 1995 1994 1995 1995 1994 1995 1995 1996 1995 1996 1997 1998 1995 1996 1995 1995 1996 1995 1997 1998 1995 1995 1995 1995 1995 1996 1995 1995 1996 1995 1997 1998 1995 1995 1995 1995 1995 1995 1995 1996 1997 1998 1995 1995 1995 1995 1997 1998 1995 1995 1995 1996 1997 1998 1995 1995 1995 1996 1997 1998 1995 1995 1996 1997 1998 1995 1995 1995 1996 1997 1998 1995 1994 1995 1995 1996 1997 1998 1998 1995 1994 1995 1995 1995 1995 1995 1996 1997 1996 1995 1997 1996 1997 1996 1997 1998 1997 1998 1997 1998 1998 1998 1997 1998 1997 1998 1997 1997 1998 1997 | 589,917 604,346 588,981 593,127 581,431 578,099 587,781 619,198 641,273 657,450 666,758 661,701 611,269 | 435,455 454,736 449,580 457,186 457,186 457,104 480,551 496,333 502,669 507,522 503,720 440,310 | $\begin{array}{c} 11,417\\ 13,910\\ 14,999\\ 16,510\\ 16,353\\ 16,322\\ 15,721\\ 16,478\\ 15,675\\ 14,950\\ 13,847\\ 13,157\\ 10,726\end{array}$ | 151,908 146,042 135,508 131,999 126,138 124,836 127,171 134,526 139,702 143,153 142,417 142,838 125,290 | 94,912 92,044 85,898 84,169 80,599 80,457 82,395 86,411 89,315 91,086 90,664 91,175 81,177 | 56,996 53,998 49,610 47,830 45,539 44,379 44,776 48,115 50,387 52,067 51,753 51,663 44,113 | 2,554 3,568 3,893 3,942 3,549 3,519 3,506 4,121 5,238 11,628 16,819 15,143 45,669 | 25.9 24.3 23.2 22.4 21.8 21.7 21.8 21.9 22.0 22.2 21.9 22.1 22.2 | 18.3 17.3 16.5 16.0 15.6 15.7 15.7 15.7 15.7 15.5 15.7 15.5 15.7 | 16.7 20.5 23.2 25.7 26.4 26.9 26.0 25.5 23.7 22.3 21.1 20.3 19.6 |
| Hispanic ⁷ 2001 2000 1999 | 851,851 815,868 764,339 | 648,821 633,220 599,118 | 14,846 17,062 16,915 | 199,874 179,583 161,035 | 113,529 104,597 94,433 | 86,345 74,986 66,602 | 3,156 3,065 4,186 | 23.6 22.1 21.2 | 15.2 14.5 14.0 | 14.7 18.5 20.3 |
| 1999 1998 1997 1996 1995 1994 1993 1992 1992 1991 1992 1991 1992 1991 1990 1990 1990 1991 1990 <t< td=""><td>764,339 734,661 709,767 701,339 679,768 665,026 654,418 643,271 623,085 595,073 532,249</td><td>599,118 580,143 563,114 558,105 539,731 525,928 514,493 494,338 472,126 458,242 385,462</td><td>16,915 17,803 17,942 18,491 17,396 16,206 14,586 13,111 11,615 10,395 8,549</td><td>161,035 150,317 142,907 139,554 136,640 135,569 136,279 133,369 129,752 122,969 105,268</td><td>94,433 88,763 84,410 83,392 82,662 81,961 82,576 81,211 80,228 76,027 64,905</td><td>66,602 61,554 58,497 56,162 53,978 53,608 53,703 52,158 49,524 46,942 40,363</td><td>4,186 4,201 3,746 3,680 3,397 3,529 3,646 15,564 21,207 13,862 41,519</td><td>21.2 20.6 20.2 20.0 20.2 20.5 20.9 21.2 21.6 21.2 21.5</td><td>14.0 13.6 13.4 13.4 13.7 13.9 14.2 14.4 14.8 14.5 14.7</td><td>20.3 22.4 23.5 24.8 24.4 23.2 21.4 20.1 19.0 18.1 17.5</td></t<> | 764,339 734,661 709,767 701,339 679,768 665,026 654,418 643,271 623,085 595,073 532,249 | 599,118 580,143 563,114 558,105 539,731 525,928 514,493 494,338 472,126 458,242 385,462 | 16,915 17,803 17,942 18,491 17,396 16,206 14,586 13,111 11,615 10,395 8,549 | 161,035 150,317 142,907 139,554 136,640 135,569 136,279 133,369 129,752 122,969 105,268 | 94,433 88,763 84,410 83,392 82,662 81,961 82,576 81,211 80,228 76,027 64,905 | 66,602 61,554 58,497 56,162 53,978 53,608 53,703 52,158 49,524 46,942 40,363 | 4,186 4,201 3,746 3,680 3,397 3,529 3,646 15,564 21,207 13,862 41,519 | 21.2 20.6 20.2 20.0 20.2 20.5 20.9 21.2 21.6 21.2 21.5 | 14.0 13.6 13.4 13.4 13.7 13.9 14.2 14.4 14.8 14.5 14.7 | 20.3 22.4 23.5 24.8 24.4 23.2 21.4 20.1 19.0 18.1 17.5 |

Percent of all live births by cesarean delivery.
 Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
 Includes races other than white and black and origin not stated.
 Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.
 Excludes data for Clusiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.
 Includes ata for New Hampshire which did not report Hispanic origin.
 Excludes data for New Hampshire and Oklahoma which did not report Hispanic origin.
 Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

Table 40. Live births by method of delivery, and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 2001

| | | | Births by | method of de | livery | | | Cesarean | delivery rate | |
|---------------------------|---------------|-----------|-------------------------------|--------------|----------|---------|---------------|--------------------|----------------------|---|
| Age and race and Hispanic | | Vagi | nal | | Cesarean | | | | | Rate of vaginal |
| origin of mother | All births | Total | After previous cesarean | Total | Primary | Repeat | Not stated | Total ¹ | Primary ² | birth after previous cesarean |
| All races ⁴ | 4,025,933 | 3,027,993 | 74,048 | 978,411 | 601,383 | 377,028 | 19,529 | 24.4 | 16.9 | 16.4 |
| Jnder 20 years | 453,725 | 376,020 | 2,066 | 75,999 | 66,757 | 9,242 | 1,706 | 16.8 | 15.1 | 18.3 |
| 20-24 years | 1,021,627 | 813,287 | 13,996 | 203,942 | 137,501 | 66,441 | 4,398 | 20.0 | 14.7 | 17.4 |
| 25-29 years | 1,058,265 | 802,455 | 20,391 | 250,697 | 152,218 | 98,479 | 5,113 | 23.8 | 16.3 | 17.2 |
| | | | | | | | | | | |
| 80-34 years | 942,697 | 674,460 | 22,503 | 263,193 | 146,742 | 116,451 | 5,044 | 28.1 | 18.4 | 16.2 |
| 85-39 years | 451,723 | 301,497 | 12,514 | 147,590 | 77,443 | 70,147 | 2,636 | 32.9 | 21.1 | 15.1 |
| 0-54 years | 97,896 | 60,274 | 2,578 | 36,990 | 20,722 | 16,268 | 632 | 38.0 | 26.4 | 13.7 |
| Vhite, total | 3,177,626 | 2,394,930 | 58,053 | 766,771 | 467,285 | 299,486 | 15,925 | 24.3 | 16.7 | 16.2 |
| Jnder 20 years | 322,658 | 268,809 | 1,343 | 52,599 | 46,420 | 6,179 | 1,250 | 16.4 | 14.8 | 17.9 |
| 20-24 years | 779,529 | 623,306 | 10,010 | 152,775 | 103,704 | 49,071 | 3,448 | 19.7 | 14.5 | 16.9 |
| | 850,343 | 646,670 | 15,835 | 199,448 | 120,779 | 78,669 | 4,225 | 23.6 | 16.1 | 16.8 |
| 25-29 years | | | | | | | | | | |
| 30-34 years | 777,294 | 558,749 | 18,419 | 214,281 | 118,590 | 95,691 | 4,264 | 27.7 | 18.0 | 16.1 |
| 5-39 years | 368,816 | 248,161 | 10,317 | 118,433 | 61,544 | 56,889 | 2,222 | 32.3 | 20.6 | 15.4 |
| 0-54 years | 78,986 | 49,235 | 2,129 | 29,235 | 16,248 | 12,987 | 516 | 37.3 | 25.6 | 14.1 |
| White, non-Hispanic | 2,326,578 | 1,746,551 | 43,215 | 567,488 | 353,977 | 213,511 | 12,539 | 24.5 | 17.2 | 16.8 |
| Jnder 20 years | 191,742 | 158,740 | 697 | 32,172 | 28,914 | 3,258 | 830 | 16.9 | 15.5 | 17.6 |
| 20-24 years | 523,027 | 417,250 | 6,328 | 103,216 | 72,028 | 31,188 | 2,561 | 19.8 | 14.9 | 16.9 |
| 25-29 years | 622,361 | 474,282 | 10,996 | 144,770 | 92,115 | 52,655 | 3,309 | 23.4 | 16.6 | 17.3 |
| | | | | | | | | | | |
| 30-34 years | 625,435 | 452,285 | 14,743 | 169,613 | 97,261 | 72,352 | 3,537 | 27.3 | 18.2 | 16.9 |
| 35-39 years | 300,007 | 203,762 | 8,613 | 94,376 | 50,403 | 43,973 | 1,869 | 31.7 | 20.5 | 16.4 |
| 0-54 years | 64,006 | 40,232 | 1,838 | 23,341 | 13,256 | 10,085 | 433 | 36.7 | 25.7 | 15.4 |
| Black, total | 606,156 | 447,458 | 11,747 | 156,071 | 97,429 | 58,642 | 2,627 | 25.9 | 18.3 | 16.7 |
| Jnder 20 years | 114,298 | 92,725 | 653 | 21,187 | 18,362 | 2,825 | 386 | 18.6 | 16.6 | 18.8 |
| 20-24 years | 199,221 | 154,358 | 3.443 | 44,078 | 28,640 | 15,438 | 785 | 22.2 | 16.0 | 18.2 |
| 25-29 years | 137,400 | 100,218 | 3,446 | 36,544 | 20,844 | 15,700 | 638 | 26.7 | 17.7 | 18.0 |
| | | | | | | | | | | |
| 0-34 years | 94,660 | 63,432 | 2,611 | 30,731 | 16,788 | 13,943 | 497 | 32.6 | 21.6 | 15.8 |
| 5-39 years | 49,065 | 30,163 | 1,317 | 18,651 | 10,003 | 8,648 | 251 | 38.2 | 25.7 | 13.2 |
| 10-54 years | 11,512 | 6,562 | 277 | 4,880 | 2,792 | 2,088 | 70 | 42.6 | 30.8 | 11.7 |
| Black, non-Hispanic | 589,917 | 435,455 | 11,417 | 151,908 | 94,912 | 56,996 | 2,554 | 25.9 | 18.3 | 16.7 |
| Jnder 20 years | 111,653 | 90,524 | 640 | 20,750 | 17,972 | 2,778 | 379 | 18.6 | 16.7 | 18.7 |
| 20-24 years | 194,391 | 150,495 | 3,365 | 43,127 | 27,973 | 15,154 | 769 | 22.3 | 16.0 | 18.2 |
| 25-29 years | 133,491 | 97,362 | 3,347 | 35,506 | 20,272 | 15,234 | 623 | 26.7 | 17.7 | 18.0 |
| | | | | | | | | 32.6 | | |
| 80-34 years | 91,710 | 61,473 | 2,534 | 29,758 | 16,271 | 13,487 | 479 | | 21.6 | 15.8 |
| 5-39 years | 47,494 | 29,228 | 1,263 | 18,028 | 9,703 | 8,325 | 238 | 38.1 | 25.8 | 13.2 |
| 0-54 years | 11,178 | 6,373 | 268 | 4,739 | 2,721 | 2,018 | 66 | 42.6 | 30.8 | 11.7 |
| lispanic ⁵ | 851,851 | 648,821 | 14,846 | 199,874 | 113,529 | 86,345 | 3,156 | 23.6 | 15.2 | 14.7 |
| Jnder 20 years | 132,562 | 111,457 | 652 | 20,700 | 17,757 | 2,943 | 405 | 15.7 | 13.8 | 18.1 |
| 20-24 years | 258,431 | 207,579 | 3,709 | 50,000 | 32,008 | 17,992 | 852 | 19.4 | 13.6 | 17.1 |
| 25-29 years | 227,910 | 172,130 | 4,859 | 54,900 | 28,663 | 26,237 | 880 | 24.2 | 14.6 | 15.6 |
| | | | | | | | | | | |
| 80-34 years | 150,352 | 105,241 | 3,649 | 44,451 | 21,129 | 23,322 | 660 | 29.7 | 17.2 | 13.5 |
| 35-39 years | 67,952 | 43,643 | 1,689 | 24,007 | 11,045 | 12,962 | 302 | 35.5 | 20.8 | 11.5 |
| 0-54 years | 14,644 | 8,771 | 288 | 5,816 | 2,927 | 2,889 | 57 | 39.9 | 25.7 | 9.1 |

Percent of all live births by cesarean delivery.
 Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
 Includes races other than white and black and origin not stated.
 Includes all persons of Hispanic origin of any race.

Table 41. Rates of cesarean delivery and vaginal birth after previous cesarean delivery by race and Hispanic origin of mother: United States, each State and territory, 2001

[By place of residence]

| | | 0 | esarean del | ivery rate | | | К | ate of vagi | nal births af | ter previot | us cesarea | 1 - |
|------------------------------|---------------------------|--------------|------------------|--------------|------------------|-----------------------|---------------------------|--------------|------------------|-------------|------------------|-----------------------|
| | | W | nite | Bla | ick | | | Wł | nite | Bla | ack | |
| State | All races ³ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ⁴ | All races ³ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ⁴ |
| United States 5 | 24.4 | 24.3 | 24.5 | 25.9 | 25.9 | 23.6 | 16.4 | 16.2 | 16.8 | 16.7 | 16.7 | 14.7 |
| Alabama | 27.6 | 28.1 | 28.5 | 26.8 | 26.8 | 21.5 | 11.8 | 11.0 | 11.0 | 13.5 | 13.5 | 12.3 |
| Alaska Arizona | 18.9 | 21.4 20.1 | 21.3 | 22.3 22.2 | 22.5 22.2 | 21.7 | 24.5 | 18.5 | 19.5 | 12.4 | 12.1 | 15.0 |
| | 20.0 27.6 | 20.1 | 21.7 27.5 | 30.3 | 30.4 | 18.3 22.9 | 16.7 12.7 | 15.8 13.6 | 16.5 12.5 | 9.6 | 9.6 | 15.0 23.2 |
| Arkansas | | | | | | | | | | | | |
| California | 25.1 | 25.0 | 25.9 | 28.2 | 28.3 | 24.4 | 10.9 23.5 | 10.8 23.4 | 11.6 21.4 | 10.7 | 10.8 | 10.4 |
| Colorado | 19.6 | 19.5 | 20.1 | 20.1 | 20.1 | 18.3 22.4 | | | | 25.1 | 24.8 | 26.8 |
| Connecticut | 24.3 | 24.2 | 24.7 | 24.3 | 24.3 | | 18.8 | 18.9 | 18.8 | 17.0 | 17.6 | 18.3 |
| Delaware | 25.5 | 25.0 | 25.5 | 26.5 | 26.3 | 23.2 | 17.0 | 17.3 | 15.3 | 16.8 | 17.1 | 26.7 |
| District of Columbia | 25.0 | 24.4 | 28.3 | 25.3 | 25.4 | 17.2 | 14.0 | 12.2 | | 15.0 | 15.1 | |
| Florida | 26.4 | 26.7 | 25.9 | 26.0 | 25.9 | 28.3 | 11.1 | 10.8 | 12.2 | 11.9 | 12.1 | 8.2 |
| Georgia Hawaii | 24.3 20.1 | 24.1 19.9 | 25.3 19.8 | 24.8 19.4 | 24.8 19.0 | 18.9 20.4 | 14.7 19.3 | 14.6 16.2 | 14.4 16.3 | 14.4 | 14.3 | 15.2 16.4 |
| Idaho | 18.7 | 18.5 | 18.3 | 13.4 | 13.0 | 19.5 | 26.3 | 26.4 | 25.8 | * | * | 30.4 |
| Illinois | 22.3 | 22.2 | 23.2 | 22.4 | 22.4 | 19.5 | 20.3 | 20.4 | 25.8 | 18.6 | 18.6 | 24.1 |
| | | | | | | | | | | | | |
| Indiana | 23.3 | 23.1 | 23.2 | 24.3 | 24.3 | 22.0 | 16.6 | 16.6 | 16.5 | 16.6 | 16.5 | 18.4 |
| lowa | 23.1 | 23.0 | 23.1 | 24.5 | 24.6 | 21.5 | 17.7 | 17.6 | 17.2 | 20.9 | 21.3 | 21.6 |
| Kansas | 23.8 | 23.8 | 24.3 | 24.9 | 24.9 | 21.2 | 15.8 | 15.4 | 15.2 | 16.7 | 16.6 | 15.5 |
| Kentucky | 26.2 | 26.3 | 26.3 | 25.2 | 25.2 | 25.9 | 12.4 | 12.1 | 11.9 | 14.6 | 14.7 | 18.9 |
| Louisiana | 29.9 | 31.0 | 31.1 | 28.7 | 28.7 | 29.7 | 8.2 | 6.7 | 6.6 | 10.3 | 10.3 | * |
| Maine | 24.1 | 24.1 | 24.1 | 22.9 | 23.2 | 26.0 | 13.9 | 13.7 | 13.8 | * | * | * |
| Maryland | 25.4 | 24.4 | 24.9 | 27.5 | 27.6 | 20.7 | 20.3 | 21.0 | 20.8 | 18.5 | 18.6 | 22.7 |
| Massachusetts | 25.4 | 25.5 | 26.1 | 26.7 | 27.0 | 21.9 | 19.5 | 19.2 | 18.8 | 19.9 | 20.4 | 21.2 |
| Michigan | 23.4 | 23.6 | 23.7 | 22.4 | 22.4 | 22.1 | 16.7 | 15.8 | 15.5 | 20.4 | 20.4 | 18.9 |
| Minnesota | 21.1 | 21.5 | 21.5 | 21.5 | 21.6 | 20.7 | 20.5 | 19.0 | 17.9 | 32.4 | 32.4 | 29.8 |
| Mississippi | 29.7 | 30.6 | 30.8 | 28.7 | 28.7 | 23.8 | 8.6 | 7.4 | 7.3 | 9.8 | 9.8 | * |
| Missouri | 23.9 | 24.1 | 24.2 | 22.8 | 22.8 | 22.7 | 19.1 | 18.6 | 18.6 | 21.4 | 21.4 | 18.5 |
| Montana | 21.6 | 21.2 | 21.0 | * | * | 25.0 | 18.9 | 19.7 | 20.3 | * | * | * |
| Nebraska | 24.1 | 24.3 | 24.8 | 22.0 | 22.0 | 20.9 | 15.5 | 15.2 | 14.5 | 15.0 | 15.0 | 19.9 |
| Nevada | 23.7 | 23.1 | 25.2 | 27.8 | 27.6 | 20.3 | 15.4 | 15.7 | 13.4 | 15.7 | 16.0 | 18.4 |
| New Hampshire | 23.0 | 22.9 | 22.9 | 32.4 | 32.9 | 22.3 | 22.2 | 22.6 | 22.8 | * | * | * |
| New Jersey | 28.9 | 28.9 | 29.3 | 29.7 | 29.4 | 28.0 | 21.3 | 20.6 | 20.6 | 24.4 | 25.3 | 20.2 |
| New Mexico | 18.6 | 19.1 | 19.8 | 23.8 | 24.9 | 18.6 | 24.7 | 22.5 | 25.5 | * | * | 20.9 |
| New York | 25.9 | 26.0 | 26.3 | 26.5 | 26.7 | 25.1 | 22.1 | 22.0 | 22.6 | 22.4 | 22.8 | 20.0 |
| North Carolina | 24.9 | 24.5 | 25.5 | 26.5 | 26.6 | 19.5 | 16.9 | 16.5 | 15.2 | 17.6 | 17.6 | 23.0 |
| North Dakota | 21.1 | 21.2 | 21.2 | 22.5 | 22.8 | 26.3 | 23.7 | 24.1 | 24.4 | * | * | * |
| Ohio | 21.7 | 21.7 | 21.7 | 22.0 | 22.0 | 20.3 | 24.5 | 24.0 | 24.0 | 27.1 | 27.2 | 23.5 |
| Oklahoma | 25.9 | 25.8 | 26.3 | 26.5 | 26.5 | 22.2 | 11.1 | 11.2 | 10.6 | 11.5 | 11.4 | 15.7 |
| Oregon | 21.0 | 20.7 | 21.1 | 26.3 | 26.1 | 19.2 | 21.0 | 21.1 | 19.8 | * | * | 25.7 |
| Pennsylvania Rhode Island | 23.0 24.1 | 23.0 24.4 | 23.1 25.2 | 23.1 23.3 | 23.2 23.6 | 21.3 22.4 | 23.3 18.7 | 22.4 19.1 | 22.2 17.7 | 28.4 | 28.4 | 25.0 20.2 |
| | | | | | | | | | | | | |
| South Carolina | 26.4 | 26.2 | 26.6 | 27.1 | 27.1 | 21.7 | 13.6 | 13.5 | 13.0 | 13.6 | 13.6 | 18.7 |
| South Dakota | 23.0 | 23.0 | 23.0 | 25.0 | 25.0 | 20.1 | 18.8 | 19.9 | 19.3 | * | * | * |
| Tennessee | 26.2 | 26.4 | 26.7 | 25.7 | 25.7 | 22.4 | 14.4 | 13.5 | 13.1 | 17.5 | 17.6 | 18.0 |
| Texas | 26.3 | 26.0 | 26.7 | 28.7 | 28.7 | 25.4 | 10.6 | 10.7 | 9.6 | 9.3 | 9.2 | 11.5 |
| Utah | 17.2 | 17.2 | 16.6 | 19.9 | 20.3 | 20.6 | 29.1 | 29.0 | 28.9 | * | * | 29.7 |
| Vermont | 17.8 | 17.7 | 17.8 | * | * | * | 40.0 | 39.6 | 39.6 | * | * | * |
| Virginia | 24.6 | 24.2 | 24.5 | 25.3 | 25.3 | 22.1 | 16.4 | 15.8 | 15.9 | 17.2 | 17.1 | 16.1 |
| Washington | 22.6 | 22.5 | 22.6 | 26.0 | 26.0 | 22.0 | 18.6 | 18.6 | 17.7 | 18.8 | 18.4 | 21.8 |
| West Virginia | 26.6 | 26.5 | 26.5 | 30.1 | 30.1 | * | 13.4 | 13.3 | 13.3 | * | * | * |
| Wisconsin | 19.1 | 19.6 | 19.7 | 16.9 | 16.9 | 18.4 | 23.0 | 22.3 | 22.3 | 28.9 | 28.8 | 22.9 |
| Wyoming | 20.1 | 19.8 | 19.6 | * | * | 22.3 | 21.2 | 21.6 | 22.2 | * | * | * |
| Puerto Rico | 42.0 | 42.2 | | 40.6 | | | 4.7 | 4.6 | | 5.4 | | |
| Virgin Islands | 25.2 | 27.9 | 26.0 | 23.9 | 23.5 | 26.7 | 15.8 | * | * | * | * | * |
| Guam | 21.8 | 16.4 | 17.9 | * | * | * | 15.7 | * | * | * | * | * |
| American Samoa | | | | | | | | | | | | |
| | | | | | | | | | | | | |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
--- Data not available.
1 Percent of all live births by cesarean delivery.
2 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
3 Includes races other than white and black and origin not stated.
4 Includes all persons of Hispanic origin of any race.
5 Excludes data for the territories.

Table 42. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by selected maternal medical risk factors and complications of labor and/or delivery: United States, 2001

| | All births to mothers | Cesarean | delivery rate | Rate of |
|--|---|--------------------|----------------------|---|
| Medical risk factor and complication | with specified condition and/or procedure | Total ¹ | Primary ² | vaginal birth after previous cesarean ³ |
| Medical risk factors | | | | |
| Anemia | | 24.5 | 17.0 | 21.4 |
| Cardiac disease | | 28.7 | 20.6 | 18.2 |
| Acute or chronic lung disease | | 27.9 | 20.0 | 20.0 |
| Diabetes | | 39.7 | 28.3 | 11.9 |
| Genital herpes ⁴ | | 35.2 | 28.4 | 20.4 |
| lydramnios/Oligohydramnios | | 38.5 | 32.6 | 15.3 |
| lemoglobinopathy | | 27.9 | 19.5 | 19.6 |
| Aypertension, chronic | | 44.7 | 34.1 | 10.6 |
| Typertension, pregnancy-associated | | 39.7 | 34.1 | 11.8 |
| Eclampsia | | 51.6 | 46.5 | 9.7 |
| ncompetent cervix | | 37.5 | 29.7 | 18.3 |
| Renal disease | | 27.7 | 20.1 | 19.1 |
| Rh sensitization ⁵ | | 24.6 | 17.1 | 19.3 |
| Iterine bleeding ⁴ | | 35.0 | 27.4 | 17.4 |
| Complications of labor and/or delivery | | | | |
| -ebrile | | 31.1 | 29.7 | 43.4 |
| leconium, moderate/heavy | | 21.8 | 18.9 | 38.9 |
| Premature rupture of membrane | | 27.8 | 24.3 | 31.0 |
| Abruptio placenta | | 61.2 | 56.7 | 12.8 |
| Placenta previa | | 80.9 | 77.0 | 3.6 |
| Other excessive bleeding | | 34.1 | 26.8 | 19.5 |
| Seizures during labor | | 57.0 | 54.2 | * |
| Precipitous labor (less than 3 hours) | | 3.0 | 2.0 | 73.0 |
| Prolonged labor (more than 20 hours) | | 36.6 | 35.7 | 44.4 |
| Dysfunctional labor | | 68.8 | 67.4 | 14.0 |
| Breech/Malpresentation | | 86.2 | 84.6 | 3.8 |
| Cephalopelvic disproportion | | 96.5 | 96.3 | 1.8 |
| Cord prolapse | | 67.6 | 65.7 | 12.8 |
| Anesthetic complication ⁴ | | 42.0 | 33.5 | 12.7 |
| etal distress 4 | | 59.4 | 57.3 | 18.0 |

Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.
Percent of all live births by cesarean delivery.
Number of primary cesareans per 100 live births to women who have not had a previous cesarean.
Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.
Texas does not report this risk factor or complication.
Kansas does not report this risk factor.

Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2001

| | | | | | | Per | iod of gestati | on ² | | | | |
|--|--|--|---|--|---|---|---|---|--|---|---|---|
| Birthweight ¹ and | All | | | Preterm | | | | Term | 1 | | Postterm | |
| race and Hispanic origin of mother | births | Total under 37 weeks | Under 28 weeks | 28-31 weeks | 32-35 weeks | 36 weeks | Total 37-41 weeks | 37-39 weeks | 40 weeks | 41 weeks | 42 weeks and over | Not stated |
| | | | | | | Nu | mber | | | | | |
| All races ³ | 4,025,933 | 476,250 | 29,085 | 48,548 | 222,640 | 175,977 | 3,235,785 | 2,002,809 | 824,306 | 408,670 | 274,067 | 39,831 |
| Less than 500 grams 500-999 grams 1,000-1,499 grams 2,000-2,499 grams 2,000-2,499 grams 3,000-3,499 grams 3,000-3,499 grams 4,000-4,499 grams 4,500-4,999 grams 5,000 grams or more Not stated | 5,956 22,648 29,250 60,804 190,089 680,580 1,515,171 1,139,280 322,346 51,132 5,498 3,179 | 5,770 22,059 27,110 50,386 98,205 126,078 96,936 39,293 7,870 1,314 185 1,044 | 5,511 16,261 3,960 909 718 965 - - - 761 | 231 5,201 15,634 11,783 4,152 4,157 4,830 2,473 - - - - 87 | 27 568 6,964 32,693 63,537 57,056 39,726 17,399 3,838 610 89 133 | 1 29 552 5,001 29,798 63,900 52,380 19,421 4,032 704 96 63 | 15 176 1,523 8,879 84,648 513,882 1,300,596 996,084 280,745 43,845 43,845 4,613 779 | 12 1,114 7,357 69,917 388,299 839,590 542,346 131,848 19,464 2,287 463 | 41 267 986 10,019 87,313 316,473 299,921 93,362 14,385 1,329 210 | 3 23 142 536 4,712 38,270 144,533 153,817 55,535 9,996 997 106 | 2 21 210 808 5,194 34,040 103,460 93,537 30,644 5,452 617 82 | 169 392 407 731 2,042 6,580 14,179 10,366 3,087 521 83 1,274 |
| | | | | | | Pe | rcent | | | | | |
| Very low birthweight ⁴ Low birthweight ⁵ | 1.4 7.7 | 11.6 42.8 | 90.8 96.6 | 43.5 76.4 | 3.4 46.6 | 0.3 20.1 | 0.1 2.9 | 0.1 3.9 | 0.0 1.4 | 0.0 1.3 | 0.1 2.3 | 2.5 9.7 |
| | | | | | | Nu | mber | | | | | |
| White, total | 3,177,626 | 345,106 | 17,290 | 32,608 | 162,421 | 132,787 | 2,581,838 | 1,583,913 | 665,350 | 332,575 | 218,957 | 31,725 |
| Less than 500 grams 500-999 grams 1,000-1,499 grams 2,000-2,499 grams 2,000-2,499 grams 3,000-3,499 grams 3,000-3,499 grams 4,000-4,499 grams 4,500-4,999 grams 5,000 grams or more Not stated | 3,422 13,773 19,647 42,168 133,218 487,739 1,184,917 958,631 282,026 45,081 4,674 2,330 | 3,305 13,369 18,226 35,142 70,420 92,366 73,113 30,827 6,453 1,052 148 685 | 3,150 9,619 2,536 499 449 569 - - - 468 | 139 3,338 10,487 8,237 2,706 2,536 3,241 1,862 | 16 392 4,829 22,926 46,184 41,799 29,127 13,393 3,088 496 70 101 | 20 374 3,480 21,081 47,462 40,745 15,572 3,365 556 78 54 | 11 120 1,014 5,965 57,734 366,525 1,020,027 840,827 246,315 38,762 3,925 613 | 8 74 720 4,932 47,781 277,915 659,643 458,086 115,407 17,080 1,908 359 | 26 185 677 6,751 61,502 247,047 252,931 82,175 12,753 1,139 164 | 3 20 109 356 3,202 27,108 113,337 129,810 48,733 8,929 878 90 | 1 11 127 534 3,604 24,039 80,502 78,153 26,572 4,812 534 68 | 105 273 280 527 1,460 4,809 11,275 8,824 2,686 455 67 964 |
| | | | | | | Pe | rcent | | | | | |
| Very low birthweight ⁴ Low birthweight ⁵ | 1.2 6.7 | 10.1 40.8 | 91.0 96.6 | 42.9 76.5 | 3.2 45.8 | 0.3 18.8 | 0.0 2.5 | 0.1 3.4 | 0.0 1.1 | 0.0 1.1 | 0.1 2.0 | 2.1 8.6 |
| | | | | | | Nu | mber | | | | | |
| White, non-Hispanic | 2,326,578 | 250,141 | 12,467 | 23,406 | 116,268 | 98,000 | 1,908,847 | 1,174,579 | 490,371 | 243,897 | 155,423 | 12,167 |
| Less than 500 grams 500-999 grams 1,000-1,499 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 | 2,444 10,026 14,651 31,573 98,542 345,514 847,001 717,844 218,568 35,170 3,470 1,775 | 2,400 9,841 13,782 26,717 53,462 68,171 49,976 20,212 4,260 705 93 522 | 2,296 6,987 1,846 318 304 373 - - - 343 | 92 2,568 8,004 6,226 1,796 1,518 1,975 1,177 - - - 50 | 12 272 3,653 17,585 35,375 30,385 18,457 8,147 1,931 322 44 85 | 14 279 2,588 15,987 35,895 29,544 10,888 2,329 383 49 44 | 10 83 666 4,284 41,934 259,272 737,652 637,671 193,227 30,563 2,960 525 | 8 477 3,603 34,975 198,616 482,008 349,311 90,485 13,342 1,402 306 | 20 114 438 4,700 42,152 175,954 191,141 64,718 10,133 857 144 | 2 16 243 2,259 18,504 79,690 97,219 38,024 7,088 701 75 | 3 84 366 2,519 16,379 55,447 56,507 19,978 3,687 402 51 | 34 99 119 206 627 1,692 3,926 3,454 1,103 215 15 677 |
| | | | | | | Pe | rcent | | | | | |
| Very low birthweight ⁴ Low birthweight ⁵ | 1.2 6.8 | 10.4 42.5 | 91.8 96.9 | 45.7 80.0 | 3.4 49.0 | 0.3 19.3 | 0.0 2.5 | 0.0 3.3 | 0.0 1.1 | 0.0 1.1 | 0.1 1.9 | 2.2 9.4 |

Table 43. Live births by birthweight and percent very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2001 -- Con.

| | | | | | | Peri | od of gestatio | on ² | | | | |
|--|---|---|---|--|---|--|---|--|---|--|---|--|
| Birthweight ¹ and | All | | | Preterm | | | - | Term | | | Postterm | |
| race and Hispanic origin of mother | births | Total under 37 weeks | Under 28 weeks | 28-31 weeks | 32-35 weeks | 36 weeks | Total 37-41 weeks | 37-39 weeks | 40 weeks | 41 weeks | 42 weeks and over | Not stated |
| | | | | | | Nur | nber | | | | | |
| Black, total | 606,156 | 105,325 | 10,623 | 13,544 | 48,061 | 33,097 | 456,535 | 294,113 | 109,165 | 53,257 | 39,786 | 4,510 |
| Less than 500 grams 500-999 grams 1,000-1,499 grams 2,000-2,499 grams 2,500-2,999 grams 3,000-3,499 grams 4,000-4,499 grams 4,500-4,999 grams 5,000 grams or more Not stated | 2,317 7,893 8,223 15,394 44,596 142,270 231,012 122,521 26,695 544 696 | 2,257 7,752 7,644 12,647 22,169 26,480 18,413 6,388 1,028 193 31 323 | 2,166 5,964 1,280 363 240 343 - - - 267 | 81 1,637 4,414 3,017 1,234 1,357 1,293 491 | 9 145 1,801 8,041 13,904 12,180 8,303 3,003 542 85 18 30 | 1 6 149 1,226 6,791 12,600 8,817 2,894 486 108 13 6 | 4 415 2,358 20,756 107,062 194,442 104,752 22,752 22,752 3,376 449 128 | 4 27 322 1,957 16,985 80,111 124,686 57,105 10,939 1,638 256 83 | 11 66 258 2,545 18,706 47,707 31,331 7,305 1,079 123 34 | 3 27 143 1,226 8,245 22,049 16,316 4,508 659 70 11 | 1 10 72 241 1,292 7,700 16,653 10,641 2,715 397 53 11 | 55 90 92 148 379 1,028 1,504 740 200 29 11 234 |
| | | | | | | Per | rcent | | | | | |
| Very low birthweight ⁴ Low birthweight ⁵ | 3.0 13.0 | 16.8 50.0 | 90.9 96.7 | 45.3 76.8 | 4.1 49.8 | 0.5 24.7 | 0.1 5.2 | 0.1 6.6 | 0.1 2.6 | 0.1 2.6 | 0.2 4.1 | 5.5 17.9 |
| | | | | | | Nur | nber | | | | | |
| Black, non-Hispanic | 589,917 | 103,237 | 10,448 | 13,271 | 47,147 | 32,371 | 443,805 | 286,476 | 105,748 | 51,581 | 38,586 | 4,289 |
| Less than 500 grams 500-999 grams 1,000-1,499 grams 2,000-2,499 grams 2,500-2,999 grams 3,000-3,499 grams 3,000-3,499 grams 4,000-4,499 grams 4,500-4,999 grams 5,000 grams or more Not stated | 2,271 7,775 8,075 15,104 43,772 139,276 224,616 118,393 25,612 3,843 522 658 | 2,214 7,639 7,512 21,2412 21,771 25,985 17,967 6,208 989 192 30 318 | 2,124 5,870 1,261 357 236 336 - - - - 264 | 80 1,621 4,327 2,941 1,211 1,326 1,263 482 - - - 20 | 9 142 1,776 7,911 13,657 11,976 8,109 2,918 519 85 17 28 | 1 6 148 1,203 6,667 12,347 8,595 2,808 470 107 13 6 | 4 403 2,312 20,376 104,782 189,047 101,201 21,837 3,249 431 122 | 4 27 316 1,922 16,670 78,468 121,402 55,250 10,514 1,580 243 80 | 11 61 254 2,499 18,268 46,243 30,226 7,001 1,034 119 32 | 3 26 136 1,207 8,046 21,402 15,725 4,322 635 69 10 | 1 10 237 1,266 7,523 16,173 10,269 2,598 378 378 50 11 | 52 85 90 143 359 986 1,429 715 188 24 24 11 207 |
| | | | | | | Per | rcent | | | | | |
| Very low birthweight ⁴ Low birthweight ⁵ | 3.1 13.1 | 16.9 50.1 | 90.9 96.7 | 45.5 76.8 | 4.1 49.9 | 0.5 24.8 | 0.1 5.2 | 0.1 6.6 | 0.1 2.7 | 0.1 2.7 | 0.2 4.1 | 5.6 17.9 |
| | | | | | | Nur | mber | | | | | |
| Hispanic ⁶ | 851,851 | 95,373 | 4,787 | 9,295 | 46,341 | 34,950 | 674,019 | 410,111 | 175,245 | 88,663 | 63,839 | 18,620 |
| Less than 500 grams 500-999 grams 1,000-1,499 grams 2,000-2,499 grams 2,000-2,499 grams 3,000-3,499 grams 3,000-3,499 grams 4,000-4,499 grams 4,500-4,999 grams 5,000 grams or more Not stated | 925 3,748 5,006 10,621 143,068 338,951 240,284 63,091 9,792 1,197 376 | 859 3,534 4,450 8,439 16,974 24,300 23,334 10,697 2,222 348 54 162 | | 49 767 2,497 2,032 918 1,044 1,284 692 - - - 12 | 3 120 1,168 5,334 10,822 11,452 10,762 5,285 1,178 174 26 17 | 6 94 889 5,091 11,607 11,288 4,720 1,044 174 28 9 | 37 356 1,706 15,934 108,023 283,310 202,748 52,771 8,088 959 87 | 27 247 1,348 12,921 79,801 178,133 108,572 24,799 3,706 503 54 | 6 76 241 2,062 19,518 71,443 61,648 17,363 2,589 280 19 | 4 33 117 951 8,704 33,734 32,528 10,609 1,793 176 14 | 1 8 44 173 1,093 7,756 25,228 21,674 6,585 1,129 132 132 16 | 65 169 156 303 791 2,989 7,079 5,165 1,513 227 52 111 |
| | | | | | | Per | rcent | | | | | |
| Very low birthweight ⁴ Low birthweight ⁵ | 1.1 6.5 | 9.3 36.0 | | 35.7 67.5 | 2.8 37.7 | 0.3 17.4 | 0.1 2.7 | 0.1 3.5 | 0.0 1.4 | 0.0 1.2 | 0.1 2.1 | 2.1 8.0 |

Quantity zero.
Quantity more than zero but less than 0.05.
Equivalents of the gram weights in pounds and ounces are shown in the Technical notes.
Expressed in completed weeks.
Includes races other than white and black and origin not stated.
Birthweight of less than 1,500 grams (3 lb 4 oz).
Birthweight of less not state of Hispanic origin of any race.

| Table 44. Percent of live births very preterm and preterm and percent of live births of very low birthweight and low birthweight, by race |
|---|
| and Hispanic origin of mother: United States, 1981-2001 |

| | | | Very pre | eterm ¹ | | | | | Prete | erm ² | | |
|--------|---------------------------|--------------|------------------|--------------------|------------------|-----------------------|---------------------------|------------|------------------|------------------|------------------|-----------------------|
| Year | | W | hite | BI | ack | _ | | W | hite | BI | lack | |
| | All races ³ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ⁴ | All races ³ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ⁴ |
| 2001 | 1.95 | 1.59 | 1.55 | 4.02 | 4.05 | 1.69 | 11.9 | 11.0 | 10.8 | 17.5 | 17.6 | 11.4 |
| 0000 | 1.93 | 1.59 | 1.55 | 4.02 | 4.05 | 1.69 | 11.9 | 10.6 | 10.8 | 17.3 | 17.6 | 11.4 |
| 1000 | 1.95 | 1.55 | 1.51 | 4.04 | 4.09 | 1.68 | 11.8 | 10.0 | 10.4 | 17.5 | 17.4 | 11.4 |
| 1000 | 1.96 | 1.57 | 1.54 | 4.13 | 4.10 | 1.00 | 11.6 | 10.7 | 10.5 | 17.5 | 17.6 | 11.4 |
| | 1.90 | 1.57 | 1.49 | 4.11 | 4.15 | 1.68 | 11.4 | 10.5 | 9.9 | 17.5 | 17.6 | 11.4 |
| 1000 | 1.94 | 1.53 | 1.49 | 4.17 | 4.19 | 1.66 | 11.4 | 9.8 | | 17.5 | 17.6 | 10.9 |
| 1005 | | 1.46 | 1.43 | 4.13 | 4.17 | | 11.0 | 9.8 9.7 | 9.5 9.4 | 17.4 | 17.5 | |
| 1995 | 1.89 | 1.40 | | 4.25 | | 1.66 1.67 | | 9.7 9.6 | 9.4 9.3 | 17.7 | 17.8 | 10.9 10.9 |
| 1000 | 1.91 1.93 | 1.45 | 1.39 1.39 | 4.32 | 4.36 4.45 | 1.67 | 11.0 11.0 | 9.6 9.5 | 9.3 9.1 | 18.5 | 18.6 | 11.0 |
| 10007 | | 1.45 | | 4.41 | 4.45 4.50 | | 10.7 | 9.5 9.1 | 9.1 8.7 | 18.4 | 18.5 | 10.7 |
| 10017 | 1.91 | | 1.33 | | | 1.64 1.65 | 10.7 | | | | | 11.0 |
| 10008 | 1.94 1.92 | 1.41 | 1.35 | 4.62 4.61 | 4.65 | 1.69 | 10.6 | 9.1 8.9 | 8.7 | 18.9 18.8 | 19.0 | 11.0 |
| 1000 9 | | 1.39 | 1.33 | | 4.63 | 1.69 | | 8.8 | 8.5 8.4 | 18.9 | 18.9 | 11.0 |
| 1000 | 1.95 | 1.41 1.42 | 1.34 | 4.64 | 4.68 | | 10.6 10.2 | | ••• | 18.7 | 19.0 | |
| 1007 | 1.96 | | | 4.72 4.61 | | | 10.2 | 8.5 | | 18.4 | | |
| 1000 | 1.96 | 1.44 | | | | | | 8.5 | | | | |
| 1005 | 1.90 | 1.41 | | 4.47 | | | 10.0 | 8.4 | | 18.0 | | |
| | 1.88 | 1.42 | | 4.37 | | | 9.8 | 8.2 | | 17.8 | | |
| 1984 | 1.83 | 1.38 | | 4.22 | | | 9.4 | 7.9 | | 17.1 | | |
| 1983 | 1.86 | 1.40 | | 4.34 | | | 9.6 | 8.0 | | 17.7 | | |
| 1982 | 1.84 | 1.40 | | 4.22 | | | 9.5 | 8.0 | | 17.4 | | |
| 1981 | 1.81 | 1.37 | | 4.13 | | | 9.4 | 7.9 | | 17.3 | | |

| | | | Very low bir | thweight ⁵ | | | | | Low birth | nweight ⁶ | | |
|-------------------|---------------------------|-------|------------------|-----------------------|------------------|-----------------------|---------------------------|-------|------------------|----------------------|------------------|-----------------------|
| | | W | hite | Bl | ack | _ | | W | hite | BI | ack | |
| | All races ³ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ⁴ | All races ³ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ⁴ |
| 2001 | 1.44 | 1.16 | 1.17 | 3.04 | 3.08 | 1.14 | 7.7 | 6.7 | 6.8 | 13.0 | 13.1 | 6.5 |
| 2000 | 1.43 | 1.14 | 1.14 | 3.07 | 3.10 | 1.14 | 7.6 | 6.5 | 6.6 | 13.0 | 13.1 | 6.4 |
| 1999 | 1.45 | 1.15 | 1.15 | 3.14 | 3.18 | 1.14 | 7.6 | 6.6 | 6.6 | 13.1 | 13.2 | 6.4 |
| 1998 | 1.45 | 1.15 | 1.15 | 3.08 | 3.11 | 1.15 | 7.6 | 6.5 | 6.6 | 13.0 | 13.2 | 6.4 |
| 1997 | 1.42 | 1.13 | 1.12 | 3.04 | 3.05 | 1.13 | 7.5 | 6.5 | 6.5 | 13.0 | 13.1 | 6.4 |
| 1996 | 1.37 | 1.09 | 1.08 | 2.99 | 3.02 | 1.12 | 7.4 | 6.3 | 6.4 | 13.0 | 13.1 | 6.3 |
| 1995 | 1.35 | 1.06 | 1.04 | 2.97 | 2.98 | 1.11 | 7.3 | 6.2 | 6.2 | 13.1 | 13.2 | 6.3 |
| 1994 | 1.33 | 1.02 | 1.01 | 2.96 | 2.99 | 1.08 | 7.3 | 6.1 | 6.1 | 13.2 | 13.3 | 6.2 |
| 1993 | 1.33 | 1.01 | 1.00 | 2.96 | 2.99 | 1.06 | 7.2 | 6.0 | 5.9 | 13.3 | 13.4 | 6.2 |
| 1992 ⁷ | 1.29 | 0.96 | 0.94 | 2.96 | 2.97 | 1.04 | 7.1 | 5.8 | 5.7 | 13.3 | 13.4 | 6.1 |
| 1991 ⁷ | 1.29 | 0.96 | 0.94 | 2.96 | 2.97 | 1.02 | 7.1 | 5.8 | 5.7 | 13.6 | 13.6 | 6.1 |
| 1990 ⁸ | 1.27 | 0.95 | 0.93 | 2.92 | 2.93 | 1.03 | 7.0 | 5.7 | 5.6 | 13.3 | 13.3 | 6.1 |
| 1989 ⁹ | 1.28 | 0.95 | 0.93 | 2.95 | 2.97 | 1.05 | 7.0 | 5.7 | 5.6 | 13.5 | 13.6 | 6.2 |
| 1988 | 1.24 | 0.93 | | 2.86 | | | 6.9 | 5.7 | | 13.3 | | |
| 1987 | 1.24 | 0.94 | | 2.79 | | | 6.9 | 5.7 | | 13.0 | | |
| 1986 | 1.21 | 0.93 | | 2.73 | | | 6.8 | 5.7 | | 12.8 | | |
| 1985 | 1.21 | 0.93 | | 2.71 | | | 6.8 | 5.7 | | 12.6 | | |
| 1984 | 1.19 | 0.93 | | 2.60 | | | 6.7 | 5.6 | | 12.6 | | |
| 1983 | 1.19 | 0.92 | | 2.60 | | | 6.8 | 5.7 | | 12.8 | | |
| 1982 | 1.18 | 0.91 | | 2.56 | | | 6.8 | 5.6 | | 12.6 | | |
| 1981 | 1.16 | 0.91 | | 2.52 | | | 6.8 | 5.7 | | 12.7 | | |

Data not available.
Births of less than 32 completed weeks of gestation.
Births of less than 37 completed weeks of gestation.
Includes races other than white and black and origin not stated.
Includes all persons of Hispanic origin of any race.
Less than 1,500 grams (3 lb. 4 oz.).
Less than 2,500 grams (5 lb. 8 oz.).
Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.
Data by Hispanic origin exclude New Hampshire, Oklahoma, which did not report Hispanic origin.
Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

| | Low birthw | eight 1 | | | | | | | Birthweight 2 | | | | | | |
|--|----------------|--------------|-------------------|------------------------------|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|---------------|
| Age and race and Hispanic origin of mother | Number | Percent | Total | Less than 500 grams | 500- 999 grams | 1,000- 1,499 grams | 1,500- 1,999 grams | 2,000- 2,499 grams | 2,500- 2,999 grams | 3,000- 3,499 grams | 3,500- 3,999 grams | 4,000- 4,499 grams | 4,500- 4,999 grams | 5,000- grams or more | Not stated |
| All races ³ | | | | | | | | | | | | | | | |
| All ages | 308,747 | 7.7 | 4,025,933 | 5,956 | 22,648 | 29,250 | 60,804 | 190,089 | 680,580 | 1,515,171 | 1,139,280 | 322,346 | 51,132 | 5,498 | 3,179 |
| Jnder 15 years | 994 | 12.8 | 7,781 | 23 | 107 | 106 | 194 | 564 | 2,001 | 3,135 | 1,425 | 197 | 13 | 1 | 15 |
| 5-19 years | 42,006 | 9.4 | 445,944 | 820 | 3,266 | 3,797 | 7,851 | 26,272 | 97,504 | 180,759 | 101,564 | 21,122 | 2,427 | 205 | 357 |
| 15 years | 2,265 | 11.2 | 20,150 | 39 | 199 | 218 | 455 | 1,354 | 4,810 | 8,223 | 4,039 | 712 | 79 | 6 | 16 |
| 6 years | 4,770 | 10.5 | 45,367 | 94 | 390 | 461 | 872 | 2,953 | 10,502 | 18,526 | 9,595 | 1,745 | 181 | 17 | 31 |
| 7 years | 7,799 | 9.8 | 79,807 | 154 | 587 | 711 | 1,481 | 4,866 | 18,064 | 32,401 | 17,605 | 3,461 | 385 | 31 | 61 |
| 8 years | 11,968 | 9.5 | 126,361 | 240 | 918 | 1,043 | 2,275 | 7,492 | 27,557 | 51,233 | 28,859 | 5,932 | 662 | 49 | 101 |
| 9 years | 15,204 | 8.7 | 174,259 | 293 | 1,172 | 1,364 | 2,768 | 9,607 | 36,571 | 70,376 | 41,466 | 9,272 | 1,120 | 102 | 148 |
| -24 years | 79,148 | 7.8 | 1,021,627 | 1,551 | 5,599 | 7,012 | 14,797 | 50,189 | 192,780 | 403,068 | 269,204 | 66,597 | 9,192 | 893 | 745 815 |
| -29 years | 71,837 | 6.8 | 1,058,265 | 1,470 | 5,249 | 6,821 | 13,785 | 44,512 | 167,273 | 399,296 | 313,419 | 89,842 | 14,229 | 1,554 | 683 |
| -34 years | 66,297 | 7.0 | 942,697 | 1,237 707 | 4,957 2,735 | 6,436 | 13,765 | 39,902 | 137,050 | 339,220 | 291,228 | 91,064 | 15,498 | 1,657 | 450 |
| -39 years | 38,053 | 8.4 | 451,723 92,813 | | | 3,968 975 | 8,143 | 22,500 | 67,798 | 156,812 | 135,228 | 44,402 | 8,013 | 967 211 | 450 |
| -44 years | 9,373 1,039 | 10.1 20.5 | 5,083 | 139 9 | 681 54 | 975 135 | 1,998 271 | 5,580 570 | 15,194 980 | 31,417 1,464 | 26,064 1,148 | 8,749 373 | 1,699 61 | 10 | 106 |
| White, total | 1,000 | 2010 | 0,000 | 0 | 01 | | | 0.0 | | ., | ., | 0.0 | 0. | | Ū |
| ll ages | 212,228 | 6.7 | 3,177,626 | 3,422 | 13,773 | 19,647 | 42,168 | 133,218 | 487,739 | 1,184,917 | 958,631 | 282,026 | 45,081 | 4,674 | 2,330 |
| nder 15 years | 428 | 10.5 | 4,095 | 11 | 51 | 45 | 87 | 234 | 965 | 1,660 | 883 | 142 | 9 | - | 8 |
| 5-19 years | 25,560 | 8.0 | 318,563 | 447 | 1,828 | 2.224 | 4,731 | 16,330 | 63,291 | 130,427 | 79,646 | 17,295 | 1,979 | 150 | 215 |
| 5 years | 1,221 | 9.7 | 12,584 | 18 | 93 | 123 | 248 | 739 | 2,708 | 5,242 | 2,829 | 511 | 58 | 3 | 12 |
| 6 years | 2,762 | 9.1 | 30,510 | 49 | 225 | 260 | 489 | 1,739 | 6,358 | 12,652 | 7,181 | 1,388 | 145 | 8 | 16 |
| 7 years | 4,711 | 8.4 | 56,098 | 87 | 312 | 411 | 891 | 3,010 | 11,630 | 23,053 | 13,568 | 2,767 | 311 | 19 | 39 |
| 8 years | 7,358 | 8.1 | 91,284 | 132 | 528 | 621 | 1,382 | 4,695 | 18,135 | 37,366 | 22,893 | 4,879 | 553 | 36 | 64 |
| 9 years | 9,508 | 7.4 | 128,087 | 161 | 670 | 809 | 1,721 | 6,147 | 24,460 | 52,114 | 33,175 | 7,750 | 912 | 84 | 84 |
| -24 years | 51,180 | 6.6 | 779,529 | 795 | 3,185 | 4,332 | 9,509 | 33,359 | 134,596 | 307,664 | 220,205 | 56,725 | 7,905 | 755 | 499 |
| -29 years | 50,543 | 5.9 | 850,343 | 857 | 3,212 | 4,768 | 9,820 | 31,886 | 122,414 | 317,321 | 266,557 | 78,976 | 12,579 | 1,335 | 618 |
| -34 years | 48,973 | 6.3 | 777,294 | 780 | 3,191 | 4,681 | 10,373 | 29,948 | 103,427 | 275,392 | 252,074 | 81,522 | 13,942 | 1,435 | 529 |
| -39 years | 27.920 | 7.6 | 368,816 | 436 | 1.803 | 2.828 | 5,966 | 16.887 | 50,950 | 126,248 | 116,068 | 39.343 | 7,107 | 821 | 359 |
| -44 years | 6,766 | 9.1 | 74,856 | 91 | 454 | 664 | 1,455 | 4,102 | 11,331 | 25,051 | 22,235 | 7,700 | 1,508 | 171 | 94 |
| 54 years | 858 | 20.8 | 4,130 | 5 | 49 | 105 | 227 | 472 | 765 | 1,154 | 963 | 323 | 52 | 7 | 8 |
| White, non-Hispanic | | | | | | | | | | | | | | | |
| ll ages | 157,236 | 6.8 | 2,326,578 | 2,444 | 10,026 | 14,651 | 31,573 | 98,542 | 345,514 | 847,001 | 717,844 | 218,568 | 35,170 | 3,470 | 1,775 |
| nder 15 years | 179 | 11.3 | 1,581 | 5 | 24 | 19 | 38 | 93 | 334 | 597 | 396 | 68 | 4 | - | 3 |
| 5-19 years | 15,903 | 8.4 | 190,161 | 287 | 1,205 | 1,416 | 2,975 | 10,020 | 36,443 | 75,342 | 49,343 | 11,552 | 1,349 | 97 | 132 |
| 5 years | 568 | 9.9 | 5,765 | 13 | 44 | 52 | 123 | 336 | 1,160 | 2,283 | 1,422 | 287 | 36 | 2 | 7 |
| 6 years | 1,490 | 9.6 | 15,538 | 24 | 128 | 155 | 259 | 924 | 3,061 | 6,201 | 3,843 | 846 | 82 | 7 | 8 |
| 7 years | 2,809 | 8.9 | 31,409 | 56 | 197 | 248 | 533 | 1,775 | 6,269 | 12,374 | 7,970 | 1,758 | 200 | 10 | 19 |
| 8 years | 4,660 | 8.4 | 55,409 | 88 | 357 | 397 | 899 | 2,919 | 10,800 | 21,896 | 14,283 | 3,307 | 394 | 24 | 45 |
| 9 years | 6,376 | 7.8 | 82,040 | 106 | 479 | 564 | 1,161 | 4,066 | 15,153 | 32,588 | 21,825 | 5,354 | 637 | 54 | 53 |
| -24 years | 35,374 | 6.8 | 523,027 | 553 | 2,222 | 3,006 | 6,528 | 23,065 | 88,603 | 201,510 | 150,353 | 40,557 | 5,744 | 525 | 361 |
| 29 years | 37,738 | 6.1 | 622,361 | 623 | 2,342 | 3,574 | 7,380 | 23,819 | 88,029 | 227,970 | 197,780 | 59,827 | 9,578 | 963 | 476 |
| -34 years | 39,362 | 6.3 | 625,435 | 581 | 2,474 | 3,742 | 8,417 | 24,148 | 81,648 | 218,975 | 205,351 | 67,182 | 11,393 | 1,101 | 423 |
| ~~ | 22,534 | 7.5 | 300,007 | 333 | 1,358 | 2,291 | 4,864 | 13,688 | 40,748 | 101,536 | 95,641 | 32,764 | 5,848 | 635 | 301 |
| | | | | | | | | | | | | | | | |
| 5-39 years 0-44 years 5-54 years | 5,419 | 9.0 | 60,614 3,392 | 57 5 | 360 | 518 85 | 1,176 | 3,308 401 | 9,070 639 | 20,146 925 | 18,194 786 | 6,353 265 | 1,218 36 | 142 7 | 72 7 |

Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2001

See footnotes at end of table.

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| | Low birthw | reight ¹ | | | | | | | Birthweight 2 | | | | | | |
|---|---|--|---|--|---|--|--|---|--|--|---|--|---|---|---|
| Age and race and Hispanic origin of mother | Number | Percent | Total | Less than 500 grams | 500- 999 grams | 1,000- 1,499 grams | 1,500- 1,999 grams | 2,000- 2,499 grams | 2,500- 2,999 grams | 3,000- 3,499 grams | 3,500- 3,999 grams | 4,000- 4,499 grams | 4,500- 4,999 grams | 5,000- grams or more | Not stated |
| Black, total | | | | | | | | | | | | | | | |
| All ages | 78,423 | 13.0 | 606,156 | 2,317 | 7,893 | 8,223 | 15,394 | 44,596 | 142,270 | 231,012 | 122,521 | 26,695 | 3,995 | 544 | 696 |
| Under 15 years 15-19 years 15 years 16 years 17 years 18 years 20-24 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years | 541 14,984 974 1,841 2,849 4,214 5,106 24,694 16,436 12,272 7,503 1,881 | 15.7 13.5 14.2 14.0 13.7 13.8 13.0 12.4 12.0 13.0 15.3 17.1 | 3,455 110,843 6,881 13,183 20,778 30,516 39,485 199,221 137,400 94,660 49,065 11,001 | 12 351 21 43 65 102 120 718 562 395 239 36 | 54 1,336 97 147 261 360 471 2,227 1,820 1,479 797 176 | 58 1,455 91 185 290 393 496 2,448 1,735 1,361 906 241 | 102 2,842 195 348 533 823 943 4,738 3,119 2,490 1,658 413 | 315 9,000 570 1,118 1,700 2,536 3,076 14,563 9,200 6,547 3,903 1,015 | 974 30,536 1,963 3,749 5,798 8,370 10,656 49,110 29,589 19,326 10,214 2,410 | 1,382 43,648 2,699 5,250 8,108 12,018 15,573 77,932 52,558 34,619 16,988 3,721 | 499 18,211 1,066 2,006 3,404 4,974 6,761 38,774 30,285 21,679 10,739 2,238 | 48 2,961 156 288 535 821 1,161 7,460 7,145 5,555 2,906 599 | 4 336 17 29 56 79 155 940 1,086 954 549 121 | 1 41 2 8 8 8 15 100 144 141 141 91 24 | 6 126 4 12 20 32 58 211 157 114 75 7 |
| 45-54 years | 112 | 21.9 | 511 | 4 | 4 | 19 | 32 | 53 | 111 | 164 | 96 | 21 | 5 | 2 | - |
| Black, non-Hispanic | | | | | | | | | | | | | | | |
| All ages | 76,997 | 13.1 | 589,917 | 2,271 | 7,775 | 8,075 | 15,104 | 43,772 | 139,276 | 224,616 | 118,393 | 25,612 | 3,843 | 522 | 658 |
| Under 15 years | 535 14,712 961 1,801 2,795 4,141 5,014 24,313 16,109 12,016 7,348 1,855 109 | 15.8 13.6 14.3 14.0 13.8 13.9 13.0 12.5 12.1 13.1 15.5 17.4 22.4 | 3,401 108,252 6,735 12,879 20,293 29,794 38,551 194,391 133,491 91,710 47,494 10,691 487 | 12 346 20 43 64 101 118 701 548 390 234 36 4 | 54 1,312 95 142 258 351 466 2,200 1,794 1,457 779 175 4 | 58 1,425 89 182 283 385 486 2,410 1,704 1,335 888 237 18 | 100 2,801 194 346 524 810 927 4,664 3,053 2,427 1,618 409 32 | 311 8,828 563 1,088 1,666 2,494 3,017 14,338 9,010 6,407 3,829 998 51 | 965 29,907 1,927 3,667 5,675 8,195 10,443 48,226 28,952 18,829 9,950 2,344 103 | 1,358 42,591 2,642 5,131 7,904 11,725 15,189 75,943 51,031 33,522 16,413 3,600 158 | 486 17,707 1,037 1,955 3,324 4,825 6,566 37,549 29,212 20,860 10,316 2,173 90 | 46 2,850 147 279 512 794 1,118 7,156 6,853 5,335 2,778 574 20 | 4 326 15 28 56 76 151 903 1,048 912 530 115 5 | 1 39 2 7 8 7 15 96 140 132 89 23 2 | 6 120 4 11 19 31 55 205 146 104 70 7 |
| All ages | 55,092 | 6.5 | 851,851 | 925 | 3,748 | 5,006 | 10,621 | 34,792 | 143,068 | 338,951 | 240,284 | 63,091 | 9,792 | 1,197 | 376 |
| Under 15 years | 252 9,821 659 1,294 1,930 2,741 3,197 15,933 12,805 9,512 5,337 1,317 115 | 9.9 7.6 9.5 8.5 7.7 7.6 6.9 6.2 5.6 6.3 7.9 9.4 16.7 | 2,555 130,007 6,936 15,165 25,023 36,298 46,585 258,431 227,910 150,352 67,952 13,956 688 | 6 154 5 24 29 42 54 243 225 182 89 26 | 27 633 51 99 114 176 193 971 866 709 446 89 7 | 26 817 72 102 164 229 250 1,340 1,191 930 546 140 16 | 51 1,788 125 232 370 487 574 3,002 2,435 1,941 1,097 276 31 | 142 6,429 406 837 1,253 1,807 2,126 10,377 8,088 5,750 3,159 786 61 | 641 27,321 1,576 3,359 5,466 7,470 9,450 46,415 34,469 21,721 10,161 2,215 125 | 1,080 55,739 3,010 6,516 10,822 15,628 19,763 107,086 89,477 56,028 24,461 4,862 218 | 498 30,570 1,435 3,378 5,632 8,690 11,435 70,238 68,649 46,125 20,119 3,922 163 | 75 5,802 227 549 1,035 1,580 2,411 16,278 19,063 14,067 6,436 1,317 53 | 5 632 24 62 110 161 275 2,151 2,974 2,505 1,229 282 282 14 | 54 1 2 9 13 29 226 371 333 183 30 | 4 68 4 5 19 15 25 104 102 61 26 11 |

Table 45. Number and percent low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2001--Con.

Quantity zero.
Less than 2,500 grams (5 lb 8 oz).
Equivalents of gram weights in terms of pounds and ounces are shown in Technical notes.
Includes races other than white and black and origin not stated.
Includes all persons of Hispanic origin of any race.

Table 46. Number and percent of births of low birthweight by race and Hispanic origin of mother: United States, each State and territory, 2001

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

| | | | Num | ber | | | | | Per | cent | | |
|------------------------------|---------------------------|-----------------|------------------|----------------|------------------|-----------------------|---------------------------|------------|------------------|--------------|------------------|-----------------------|
| | | Wh | ite | Bla | ack | | | Wh | nite | Bla | ack | _ |
| State | All races ¹ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ² | All races ¹ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ² |
| United States ³ | 308,747 | 212,228 | 157,236 | 78,423 | 76,997 | 55,092 | 7.7 | 6.7 | 6.8 | 13.0 | 13.1 | 6.5 |
| Alabama | 5,812 | 3,070 | 2,914 | 2,687 | 2,687 | 155 | 9.6 | 7.6 | 7.6 | 14.0 | 14.0 | 6.9 |
| Alaska | 566 | 333 | 277 | 48 | 42 | 41 | 5.7 | 5.2 | 5.0 | 10.9 | 10.8 | 6.3 |
| Arizona | 5,957 | 5,010 | 2,603 | 378 | 368 | 2,399 | 7.0 | 6.7 | 6.7 | 13.7 | 14.4 | 6.6 |
| Arkansas | 3,250 | 2,148 | 1,988 | 1,044 | 1,044 | 157 | 8.8 | 7.5 | 7.6 | 14.1 | 14.1 | 5.9 |
| California | 33,228 | 24,661 | 9,838 | 3,907 | 3,795 | 14,784 | 6.3 | 5.8 | 5.9 | 11.6 | 11.7 | 5.7 |
| Colorado | 5,720 | 5,007 | 3,391 | 415 | 400 | 1,657 | 8.5 | 8.2 | 8.1 | 14.0 | 14.1 | 8.4 |
| Connecticut | 3,143 | 2,370 | 1,786 | 621 | 603 | 565 | 7.4 | 6.7 | 6.3 | 12.1 | 12.2 | 8.2 |
| Delaware | 996 | 589 | 519 | 372 | 371 | 70 | 9.3 | 7.7 | 7.9 | 13.7 | 13.8 | 6.5 |
| District of Columbia | 924 | 163 | 106 | 743 | 737 | 58 | 12.1 | 6.3 | 6.3 7.0 | 15.3 | 15.3 | 6.5 6.5 |
| Florida | 16,776 | 10,386 | 7,292 | 5,878 | 5,753 | 3,222 | 8.2 | 6.8 | 7.0 | 12.5 | 12.5 | 0.0 |
| Georgia | 11,750 | 5,771 | 4,851 | 5,624 | 5,555 | 889 | 8.8 | 6.7 | 7.0 | 12.9 | 12.9 | 5.7 |
| Hawaii | 1,385 | 247 | 210 | 60 | 57 | 171 | 8.1 | 6.5 | 6.7 | 11.4 | 11.5 | 7.6 |
| Idaho | 1,326 | 1,275 | 1,063 | 9 4 559 | 4 5 2 5 | 187 | 6.4 | 6.4 | 6.3 | 107 | 100 | 6.8 |
| Illinois | 14,731 | 9,463 | 6,795 | 4,558 | 4,535 | 2,689 | 8.0 | 6.6 | 6.7 | 13.7 | 13.8 | 6.6 |
| Indiana | 6,569 2,409 | 5,225 2,160 | 4,825 2,023 | 1,242 173 | 1,237 168 | 389 139 | 7.6 6.4 | 7.0 6.1 | 7.0 6.1 | 12.9 13.7 | 13.0 13.6 | 6.6 6.2 |
| lowa | 2,409 2,709 | 2,160 | 2,023 | 345 | 340 | 292 | 6.4 7.0 | 6.5 | 6.6 | 13.7 | 13.6 | 6.0 |
| Kansas Kentucky | 4,539 | 3,828 | 3,713 | 660 | 656 | 115 | 8.3 | 7.8 | 7.8 | 13.4 | 12.4 | 7.7 |
| Louisiana | 6,825 | 2,831 | 2,731 | 3,883 | 3,875 | 103 | 10.4 | 7.7 | 7.0 | 14.4 | 14.4 | 6.6 |
| Maine | 830 | 800 | 793 | 14 | 12 | 7 | 6.0 | 6.0 | 6.1 | * | * | * |
| Mandand | 6,580 | 0 1 4 4 | 0 770 | 0 104 | 0 117 | 365 | 9.0 | 7.0 | 7.0 | 12.9 | 10.0 | 6.9 |
| Maryland Massachusetts | 5,773 | 3,144 4,574 | 2,779 3,863 | 3,134 832 | 3,117 710 | 778 | 9.0 7.2 | 6.8 | 7.0 6.5 | 12.9 | 13.0 10.9 | 8.3 |
| Michigan | 10,642 | 6,971 | 6,406 | 3,317 | 3,300 | 453 | 8.0 | 6.6 | 6.7 | 14.1 | 14.1 | 6.2 |
| Minnesota | 4,254 | 3,426 | 3,116 | 467 | 460 | 280 | 6.3 | 5.9 | 5.9 | 9.8 | 9.8 | 6.2 |
| Mississippi | 4,204 | 1,769 | 1,720 | 2,683 | 2,681 | 50 | 10.7 | 7.8 | 7.8 | 14.3 | 14.3 | 7.0 |
| Missouri | 5,741 | 4,189 | 4,020 | 1,406 | 1,402 | 169 | 7.6 | 6.7 | 6.8 | 12.6 | 12.7 | 5.7 |
| Montana | 758 | 655 | 613 | 2 | 2 | 30 | 6.9 | 6.9 | 7.0 | * | * | 8.0 |
| Nebraska | 1,649 | 1.409 | 1,205 | 170 | 169 | 183 | 6.6 | 6.3 | 6.3 | 12.4 | 12.5 | 6.2 |
| Nevada | 2,380 | 1,852 | 1,148 | 326 | 307 | 691 | 7.6 | 7.0 | 7.5 | 13.0 | 12.7 | 6.4 |
| New Hampshire | 957 | 898 | 785 | 29 | 22 | 30 | 6.5 | 6.4 | 6.1 | 13.9 | 13.8 | 5.9 |
| New Jersey | 9,170 | 5,787 | 4,231 | 2,595 | 2,442 | 1,647 | 7.9 | 6.8 | 6.7 | 12.6 | 13.1 | 7.0 |
| New Mexico | 2,145 | 1,799 | 682 | 67 | 66 | 1,124 | 7.9 | 7.9 | 7.8 | 13.1 | 13.6 | 8.0 |
| New York | 19,481 | 12,151 | 8,331 | 5,892 | 5,457 | 4,050 | 7.7 | 6.7 | 6.4 | 11.3 | 11.7 | 7.4 |
| North Carolina | 10,572 | 6,258 | 5,371 | 3,906 | 3,894 | 890 | 8.9 | 7.3 | 7.6 | 13.8 | 13.8 | 6.1 |
| North Dakota | 472 | 405 | 380 | 5 | 5 | 11 | 6.2 | 6.1 | 6.0 | * | * | * |
| Ohio | 12,094 | 8,811 | 8,480 | 3,069 | 3,049 | 319 | 8.0 | 7.0 | 7.0 | 13.4 | 13.4 | 7.0 |
| Oklahoma | 3,908 | 2,846 | 2,552 | 628 | 625 | 292 | 7.8 | 7.3 | 7.4 | 13.6 | 13.7 | 5.9 |
| Oregon | 2,512 | 2,217 | 1,782 | 95 | 91 | 440 | 5.5 | 5.4 | 5.3 | 10.1 | 10.0 | 5.6 |
| Pennsylvania Rhode Island | 11,346 931 | 8,238 738 | 7,483 501 | 2,771 131 | 2,693 118 | 721 167 | 7.9 7.3 | 6.9 6.7 | 6.8 6.5 | 13.7 11.8 | 13.7 11.9 | 8.8 7.6 |
| | E 0.40 | 0.010 | 0.407 | 0.047 | 0.000 | 100 | 0.0 | 7.0 | 7 4 | 44.0 | | |
| South Carolina | 5,340 | 2,613 | 2,427 | 2,647 | 2,638 | 196 | 9.6 | 7.3 | 7.4 | 14.0 | 14.0 | 6.6 |
| South Dakota | 671 7 212 | 535 | 514 | 6 2 252 | 6 2 240 | 21 | 6.4 | 6.3 | 6.2 | 100 | 10.0 | 8.2 |
| Tennessee Texas | 7,212 27,603 | 4,833 21,377 | 4,584 9,535 | 2,252 5,242 | 2,249 5,195 | 253 11,820 | 9.2 7.6 | 8.0 6.9 | 8.1 6.9 | 13.6 12.9 | 13.6 12.9 | 6.5 6.9 |
| 1.10.1 | 0 077 | 0.000 | 0 100 | | | 405 | 0.4 | 0.4 | 0.0 | 10.0 | | |
| Vermont | 3,077 377 | 2,902 | 2,408 353 | 37 | 36 | 485 | 6.4 5.9 | 6.4 5.9 | 6.2 5.9 | 10.8 | 11.1 | 7.4 |
| Virginia | 7,761 | 4,587 | 4,066 | 2,775 | 2,753 | 527 | 7.9 | 6.5 | 6.6 | 12.5 | 12.5 | 5.8 |
| Washington | 4,599 | 3,711 | 3,036 | 324 | 318 | 636 | 5.8 | 5.5 | 5.6 | 9.8 | 10.0 | 5.2 |
| West Virginia | 1,730 | 1,637 | 1,625 | 81 | 81 | 4 | 8.5 | 8.4 | 8.4 | 11.5 | 11.6 | |
| Wisconsin | 4,552 | 3,485 | 3,177 | 861 | 857 | 318 | 6.6 | 5.9 | 5.8 | 13.1 | 13.2 | 6.2 |
| Wyoming | 510 | 458 | 406 | 11 | 10 | 52 | 8.3 | 8.0 | 7.9 | * | * | 9.1 |
| Puerto Rico | 6,264 | 5,710 | | 554 | | | 11.2 | 11.1 | | 12.1 | | |
| Virgin Islands | 161 | 33 | 4 | 117 | 102 | 36 | 9.7 | 9.0 | * | 9.5 | 9.4 | 9.4 |
| Guam | 287 | 9 | 8 | 2 | 2 | 3 | 8.1 | * | * | * | * | 1 |
| American Samoa | 65 | - | | - | | | 3.9 | * | | * | | |
| Northern Marianas | 120 | 1 | | - | | | 8.3 | * | | * | | |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
 -- Data not available.
 - Quantity zero.
 1 Includes races other than white and black and origin not stated.
 2 Includes all persons of Hispanic origin of any race.
 3 Excludes data for the territories.

Table 47. Number and percent of births of very low birthweight by race and Hispanic origin of mother: United States, each State and territory, 2001

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

| | | | Numb | ber | | | | | Per | cent | | |
|----------------------------|---------------------------|--------------|------------------|--------------|------------------|-----------------------|---------------------------|------------|------------------|------------|------------------|-----------------------|
| | | Wł | nite | Bla | ick | _ | | Wł | nite | Bla | ack | _ |
| State | All races ¹ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ² | All races ¹ | Total | Non- Hispanic | Total | Non- Hispanic | Hispanic ² |
| United States ³ | 57,854 | 36,842 | 27,121 | 18,433 | 18,121 | 9,679 | 1.4 | 1.2 | 1.2 | 3.0 | 3.1 | 1.1 |
| Alabama | 1,174 | 524 | 497 | 642 | 642 | 27 | 1.9 | 1.3 | 1.3 | 3.3 | 3.4 | 1.2 |
| Alaska | 126 | 72 | 58 | 12 | 12 | | 1.3 | 1.1 | 1.0 | * | * | * |
| Arizona | 909 | 763 | 393 | 72 | 70 | 365 | 1.1 | 1.0 | 1.0 | 2.6 | 2.7 | 1.0 |
| Arkansas | 598 | 348 | 312 | 245 | 245 | _35 | 1.6 | 1.2 | 1.2 | 3.3 | 3.3 | 1.3 |
| California | 6,014 | 4,441 | 1,691 | 925 | 902 | | 1.1 | 1.0 | 1.0 | 2.7 | 2.8 | 1.0 |
| Colorado | 840 | 730 | 470 | 75 | 74 | 263 | 1.3 | 1.2 | 1.1 | 2.5 | 2.6 | 1.3 |
| Connecticut | 640 | 437 | 320 | 184 | 179 | 114 | 1.5 | 1.2 | 1.1 | 3.6 | 3.6 | 1.6 |
| Delaware | 185 | 83 | 70 | 98 | 97 | 14 | 1.7 | 1.1 | 1.1 | 3.6 | 3.6 | * |
| District of Columbia | 206 | 26 1,790 | 14 | 176 1,399 | 174 | 13 534 | 2.7 1.6 | 1.0 1.2 | 1.2 | 3.6 | 3.6 3.0 | 1.1 |
| Florida | 3,269 | 1,790 | 1,273 | 1,599 | 1,372 | 554 | 1.0 | 1.2 | 1.2 | 3.0 | 3.0 | 1.1 |
| Georgia | 2,296 206 | 978 36 | 828 33 | 1,266 | 1,252 | | 1.7 1.2 | 1.1 | 1.2 | 2.9 | 2.9 | 0.9 0.9 |
| Hawaii | 193 | 187 | 146 | 12 3 | 12 3 | 37 | 0.9 | 0.9 0.9 | 1.1 0.9 | * | * | 1.3 |
| Idaho Illinois | 2,833 | 1,716 | 1,269 | 1,020 | 1,015 | 453 | 1.5 | 1.2 | 1.2 | 3.1 | 3.1 | 1.3 |
| Indiana | 1,212 | 919 | 835 | 277 | 277 | 84 | 1.4 | 1.2 | 1.2 | 2.9 | 2.9 | 1.4 |
| lowa | 431 | 387 | 357 | 29 | 28 | 30 | 1.1 | 1.1 | 1.1 | 2.3 | 2.3 | 1.3 |
| Kansas | 488 | 393 | 328 | 74 | 73 | 64 | 1.3 | 1.1 | 1.1 | 2.7 | 2.7 | 1.3 |
| Kentucky | 809 | 670 | 653 | 129 | 128 | 16 | 1.5 | 1.4 | 1.4 | 2.6 | 2.6 | * |
| Louisiana | 1,489 | 497 | 481 | 977 | 977 | 16 | 2.3 | 1.3 | 1.4 | 3.6 | 3.6 | * |
| Vaine | 165 | 158 | 157 | 7 | 7 | 1 | 1.2 | 1.2 | 1.2 | * | * | * |
| Maryland | 1,409 | 597 | 516 | 770 | 769 | 76 | 1.9 | 1.3 | 1.3 | 3.2 | 3.2 | 1.4 |
| Massachusetts | 1,088 | 811 | 668 | 222 | 191 | 157 | 1.3 | 1.2 | 1.1 | 2.7 | 2.9 | 1.7 |
| Vichigan | 2,143 | 1,320 | 1,210 | 781 | 779 | 86 | 1.6 | 1.3 | 1.3 | 3.3 | 3.3 | 1.2 |
| Minnesota | 822 | 634 | 562 | 123 | 119 | 65 | 1.2 | 1.1 | 1.1 | 2.6 | 2.5 | 1.4 |
| Mississippi | 874 | 299 | 291 | 566 | 565 | 7 | 2.1 | 1.3 | 1.3 | 3.0 | 3.0 | * |
| Vissouri | 1,046 | 712 | 674 | 317 | 317 | 39 | 1.4 | 1.1 | 1.1 | 2.9 | 2.9 | 1.3 |
| Nontana | 126 | 110 | 105 | - | - | 7 | 1.1 | 1.2 | 1.2 | * | * | * |
| Nebraska | 316 | 262 | 226 | 43 | 43 | 31 | 1.3 | 1.2 | 1.2 | 3.1 | 3.2 | 1.1 |
| Nevada New Hampshire | 332 159 | 256 152 | 157 137 | 53 4 | 49 2 | 95 4 | 1.1 1.1 | 1.0 1.1 | 1.0 1.1 | 2.1 | 2.0 | 0.9 |
| - | 155 | 152 | 157 | 4 | 2 | | 1.1 | 1.1 | | | | |
| New Jersey New Mexico | 1,865 297 | 1,077 249 | 745 94 | 686 13 | 654 12 | 336 156 | 1.6 1.1 | 1.3 1.1 | 1.2 1.1 | 3.3 | 3.5 | 1.4 1.1 |
| New York | 3,740 | 2,152 | 1,385 | 1,411 | 1,309 | 819 | 1.5 | 1.2 | 1.1 | 2.7 | 2.8 | 1.5 |
| North Carolina | 2,272 | 1,204 | 1,048 | 985 | 983 | 155 | 1.9 | 1.4 | 1.5 | 3.5 | 3.5 | 1.1 |
| North Dakota | 86 | 73 | 70 | 2 | 2 | | 1.1 | 1.1 | 1.1 | * | * | * |
| Ohio | 2,302 | 1,551 | 1,501 | 728 | 722 | 45 | 1.5 | 1.2 | 1.2 | 3.2 | 3.2 | 1.0 |
| Oklahoma | 664 | 450 | 402 | 132 | 132 | 44 | 1.3 | 1.1 | 1.2 | 2.9 | 2.9 | 0.9 |
| Oregon | 432 | 379 | 312 | 21 | 19 | 67 | 1.0 | 0.9 | 0.9 | 2.2 | * | 0.8 |
| Pennsylvania | 2,146 | 1,466 | 1,309 | 639 | 619 | 148 | 1.5 | 1.2 | 1.2 | 3.2 | 3.2 | 1.8 |
| Rhode Island | 189 | 148 | 96 | 25 | 25 | 35 | 1.5 | 1.4 | 1.3 | 2.3 | 2.5 | 1.6 |
| South Carolina | 1,046 | 435 | 415 | 602 | 602 | | 1.9 | 1.2 | 1.3 | 3.2 | 3.2 | 0.7 |
| South Dakota | 114 | 95 | 89 | - | - | 6 | 1.1 | 1.1 | 1.1 | * | * | * |
| Tennessee | 1,327 | 805 | 774 | 511 | 511 | 31 | 1.7 | 1.3 | 1.4 | 3.1 | 3.1 | 0.8 |
| Texas | 4,804 | 3,491 | 1,563 | 1,174 | 1,161 | 1,931 | 1.3 | 1.1 | 1.1 | 2.9 | 2.9 | 1.1 |
| Utah | 462 | 442 | 364 | 4 | 4 | 79 | 1.0 | 1.0 | 0.9 | * | * | 1.2 |
| Vermont | 1 590 | 72 | 67 761 | | - | - | 1.1 | 1.2 | 1.1 | | | |
| Virginia Washington | 1,589 818 | 853 654 | 761 529 | 684 60 | 680 59 | | 1.6 1.0 | 1.2 1.0 | 1.2 1.0 | 3.1 1.8 | 3.1 1.8 | 1.0 1.0 |
| West Virginia | 291 | 271 | 269 | 19 | 19 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Wisconsin | 870 | 604 | 542 | 234 | 233 | | 1.3 | 1.0 | 1.0 | 3.6 | 3.6 | 1.2 |
| Wyoming | 70 | 63 | 55 | 204 | 200 | | 1.1 | 1.1 | 1.1 | * | * | * |
| Puerto Rico | 739 | 662 | | 77 | | | 1.3 | 1.3 | | 1.7 | | |
| Virgin Islands | 29 | 6 | - | 21 | 17 | 7 | 1.7 | * | * | 1.7 | * | * |
| Guam | 33 | - | - | - | - | 1 | 0.9 | * | * | * | * | * |
| American Samoa | 9 | - | | - | | | * | * | | * | | |
| Northern Marianas | 7 | - | | - | | | * | * | | * | | |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
- Quantity zero.
-- Data not available.
1 Includes races other than white and black and origin not stated.
2 Includes all persons of Hispanic origin of any race.
3 Excludes data for the territories.

Table 48. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: United States, 2001

[Rates are number of live births with specified abnormal condition per 1,000 live births in specified group]

| | A 11 | Abnormal | | | A | ge of moth | er | | | |
|--|----------------------------|--------------------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|------------------------------|
| Abnormal condition and race of mother | All births ¹ | condition reported | All ages | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years | - Not stated ² |
| All races ³ | | | | | | | | | | |
| Anemia | 4,025,933 | 4,043 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | 38,327 |
| Birth injury ⁴ | 3,635,703 | 10,119 | 2.8 | 3.0 | 2.8 | 2.9 | 2.8 | 2.6 | 2.4 | 42,079 |
| Fetal alcohol syndrome ⁵ | 3,956,861 | 136 | 0.0 | * | 0.0 | 0.0 | 0.0 | * | * | 39,443 |
| Hyaline membrane disease/RDS | 4,025,933 | 23,764 | 6.0 | 6.6 | 6.0 | 5.8 | 5.6 | 6.2 | 6.8 | 38,327 |
| Meconium aspiration syndrome | 4,025,933 | 6,333 | 1.6 | 1.8 | 1.6 | 1.5 | 1.5 | 1.6 | 1.9 | 38,327 |
| Assisted ventilation less than 30 minutes 6 | 3,906,315 | 84,877 | 22.0 | 22.4 | 21.0 | 21.7 | 22.4 | 23.2 | 24.4 | 46,729 |
| Assisted ventilation 30 minutes or longer ⁶ | 3,906,315 | 35,937 | 9.3 | 10.7 | 9.3 | 8.7 | 8.8 | 10.1 | 11.7 | 46,729 |
| Seizures | 4,025,933 | 1,940 | 0.5 | 0.6 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 38,327 |
| White | | | | | | | | | | |
| Anemia | 3,177,626 | 2,976 | 0.9 | 1.0 | 0.9 | 0.9 | 1.0 | 1.1 | 1.2 | 30.653 |
| Birth injury ⁴ | 2,843,151 | 8,163 | 2.9 | 3.1 | 2.9 | 3.0 | 2.9 | 2.6 | 2.5 | 33,933 |
| Fetal alcohol syndrome ⁵ | 3,118,243 | 84 | 0.0 | * | * | 0.0 | 0.0 | * | * | 31,707 |
| Hyaline membrane disease/RDS | 3,177,626 | 19,156 | 6.1 | 6.8 | 6.1 | 6.0 | 5.8 | 6.2 | 6.9 | 30,653 |
| Meconium aspiration syndrome | 3,177,626 | 4,549 | 1.4 | 1.6 | 1.5 | 1.4 | 1.3 | 1.4 | 1.6 | 30,653 |
| Assisted ventilation less than 30 minutes ⁶ | 3,110,079 | 68,273 | 22.2 | 22.5 | 21.0 | 22.0 | 22.7 | 23.5 | 25.0 | 37,350 |
| Assisted ventilation 30 minutes or longer ⁶ | 3,110,079 | 27,709 | 9.0 | 10.3 | 8.8 | 8.4 | 8.7 | 9.8 | 11.7 | 37,350 |
| Seizures | 3,177,626 | 1,547 | 0.5 | 0.6 | 0.5 | 0.5 | 0.4 | 0.5 | 0.6 | 30,653 |
| Black | | | | | | | | | | |
| Anemia | 606.156 | 818 | 1.4 | 1.2 | 1.2 | 1.4 | 1.4 | 2.0 | * | 4.315 |
| Birth injury ⁴ | 564,033 | 1,004 | 1.8 | 2.1 | 1.7 | 1.8 | 1.7 | 2.0 | * | 4,659 |
| Fetal alcohol syndrome ⁵ | 599,589 | 39 | 0.1 | * | * | * | * | * | * | 4,353 |
| Hyaline membrane disease/RDS | 606,156 | 3,702 | 6.2 | 6.3 | 6.0 | 5.9 | 5.8 | 7.6 | 6.7 | 4,315 |
| Meconium aspiration syndrome | 606,156 | 1,427 | 2.4 | 2.1 | 2.1 | 2.5 | 2.5 | 3.1 | 3.9 | 4,315 |
| Assisted ventilation less than 30 minutes ⁶ | 568,635 | 12,057 | 21.4 | 21.4 | 20.7 | 20.8 | 23.0 | 23.2 | 21.4 | 5,272 |
| Assisted ventilation 30 minutes or longer ⁶ | 568,635 | 6,633 | 11.8 | 11.7 | 11.2 | 11.4 | 12.0 | 14.2 | 14.9 | 5,272 |
| Seizures | 606,156 | 299 | 0.5 | 0.6 | 0.5 | 0.5 | 0.4 | 0.4 | * | 4,315 |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
0.0 Quantity more than zero but less than 0.05.
1 Total number of births to residents of areas reporting specified abnormal condition.
2 No response reported for the abnormal conditions item.
3 Includes races other than white and black.
4 Nebraska and Texas do not report this condition.
5 Wisconsin does not report this condition.
6 New York City does not report this condition.

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

Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 2001

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

| | A 11 | Congenital | | | A | ge of moth | er | | | NL |
|---|----------------------------|---------------------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|------------------------------|
| Congenital anomaly and race of mother | All births ¹ | anomaly reported | All ages | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years | - Not stated ² |
| All races ³ | | | | | | | | | | |
| Anencephalus | 3.998.805 | 392 | 9.9 | 9.6 | 10.6 | 9.7 | 9.8 | 8.8 | * | 36.650 |
| Spina bifida/Meningocele | 3.998.805 | 790 | 19.9 | 24.2 | 23.0 | 19.4 | 18.9 | 14.2 | * | 36.650 |
| Hydrocephalus | 3,998,805 | 892 | 22.5 | 28.7 | 25.8 | 21.9 | 18.5 | 19.6 | * | 36.650 |
| Microcephalus | 3,998,805 | 222 | 5.6 | 6.1 | 6.2 | 6.2 | 4.7 | 4.5 | * | 36,650 |
| Other central nervous system anomalies | 3,998,805 | 981 | 24.8 | 26.0 | 27.4 | 21.0 | 24.1 | 24.8 | 38.5 | 36,650 |
| Heart malformations | 3.998.805 | 4.852 | 122.5 | 112.6 | 109.8 | 114.6 | 125.2 | 153.0 | 218.5 | 36.650 |
| Other circulatory/respiratory anomalies | 3,998,805 | 5,533 | 139.6 | 137.9 | 142.9 | 130.6 | 134.5 | 156.6 | 182.1 | 36,650 |
| Rectal atresia/stenosis | 3,998,805 | 355 | 9.0 | 10.3 | 8.5 | 9.0 | 8.3 | 8.1 | * | 36,650 |
| Tracheo-esophageal fistula/Esophageal atresia | 3,998,805 | 474 | 12.0 | 10.8 | 9.8 | 11.9 | 14.8 | 10.8 | * | 36,650 |
| Omphalocele/Gastroschisis | 3,998,805 | 1,258 | 31.8 | 82.8 | 42.2 | 21.6 | 15.7 | 17.8 | * | 36,650 |
| Other gastrointestinal anomalies | 3,998,805 | 1,357 | 34.2 | 37.0 | 34.5 | 30.0 | 33.0 | 36.9 | 64.5 | 36,650 |
| Malformed genitalia | 3,998,805 | 3,504 | 88.4 | 92.0 | 85.9 | 87.3 | 90.5 | 87.1 | 96.7 | 36,650 |
| Renal agenesis | 3,998,805 | 586 | 14.8 | 15.5 | 15.0 | 16.0 | 14.4 | 11.9 | * | 36.650 |
| Other urogenital anomalies | 3,998,805 | 4,072 | 102.8 | 87.0 | 99.9 | 104.3 | 102.0 | 115.2 | 139.4 | 36,650 |
| Cleft lip/palate | 3.998.805 | 3,192 | 80.6 | 87.0 | 87.8 | 78.6 | 74.0 | 74.5 | 87.4 | 36.650 |
| Polydactyly/Syndactyly/Adactyly | 3,998,805 | 3,263 | 82.4 | 106.8 | 102.6 | 74.0 | 67.2 | 66.6 | 67.6 | 36,650 |
| Clubfoot | 3,998,805 | 2,321 | 58.6 | 61.5 | 65.4 | 57.9 | 52.2 | 52.4 | 71.8 | 36,650 |
| Diaphragmatic hernia | 3,998,805 | 452 | 11.4 | 11.2 | 11.3 | 10.3 | 12.9 | 9.9 | * | 36,650 |
| Other musculoskeletal/integumental anomalies | 3,998,805 | 8,969 | 226.4 | 264.2 | 236.5 | 221.8 | 207.4 | 216.3 | 224.7 | 36.650 |
| Down's syndrome | 3.998.805 | 1.803 | 45.5 | 22.9 | 23.1 | 27.0 | 40.6 | 106.4 | 351.6 | 36.650 |
| Other chromosomal anomalies | 3,998,805 | 1,436 | 36.2 | 25.1 | 31.3 | 27.8 | 32.6 | 59.4 | 158.1 | 36,650 |
| White | | | | | | | | | | |
| Anencephalus | 3,154,816 | 314 | 10.0 | 9.8 | 10.7 | 10.5 | 9.3 | 9.1 | * | 28,755 |
| Spina bifida/Meningocele | 3,154,816 | 637 | 20.4 | 25.6 | 22.4 | 20.7 | 20.0 | 13.8 | * | 28,755 |
| Hydrocephalus | 3,154,816 | 699 | 22.4 | 30.3 | 26.3 | 21.9 | 18.4 | 17.4 | * | 28,755 |
| Microcephalus | 3,154,816 | 158 | 5.1 | * | 6.1 | 5.5 | 3.5 | * | * | 28,755 |
| Other central nervous system anomalies | 3,154,816 | 782 | 25.0 | 28.4 | 27.4 | 20.7 | 25.6 | 23.2 | 37.4 | 28,755 |
| Heart malformations | 3,154,816 | 3,805 | 121.7 | 113.7 | 109.8 | 112.8 | 122.4 | 151.4 | 223.1 | 28,755 |
| Other circulatory/respiratory anomalies | 3,154,816 | 4,441 | 142.1 | 141.2 | 149.7 | 131.7 | 135.5 | 154.4 | 188.3 | 28,755 |
| Rectal atresia/stenosis | 3,154,816 | 299 | 9.6 | 11.1 | 9.3 | 10.3 | 8.5 | 8.3 | * | 28,755 |
| Tracheo-esophageal fistula/Esophageal atresia | 3,154,816 | 404 | 12.9 | 12.0 | 11.3 | 12.2 | 15.5 | 12.1 | * | 28,755 |
| Omphalocele/Gastroschisis | 3,154,816 | 987 | 31.6 | 91.6 | 43.8 | 20.4 | 15.2 | 17.6 | * | 28,755 |
| Other gastrointestinal anomalies | 3,154,816 | 1,048 | 33.5 | 35.4 | 35.0 | 27.7 | 32.9 | 36.7 | 65.8 | 28,755 |
| Malformed genitalia | 3,154,816 | 3,007 | 96.2 | 99.5 | 95.4 | 94.8 | 97.1 | 95.1 | 101.9 | 28,755 |
| Renal agenesis | 3,154,816 | 483 | 15.5 | 17.4 | 15.8 | 17.1 | 15.0 | 11.0 | * | 28,755 |
| Other urogenital anomalies | 3,154,816 | 3,354 | 107.3 | 86.9 | 107.5 | 106.9 | 105.4 | 121.0 | 147.0 | 28,755 |
| Cleft lip/palate | 3,154,816 | 2,715 | 86.9 | 100.8 | 96.3 | 83.4 | 79.7 | 77.2 | 90.3 | 28,755 |
| Polydactyly/Syndactyly/Adactyly | 3,154,816 | 1,828 | 58.5 | 66.7 | 67.8 | 52.3 | 55.0 | 53.8 | 55.5 | 28,755 |
| Clubfoot | 3,154,816 | 1,980 | 63.3 | 70.1 | 70.6 | 62.3 | 56.8 | 54.9 | 78.7 | 28,755 |
| Diaphragmatic hernia | 3,154,816 | 359 | 11.5 | 12.6 | 11.7 | 10.3 | 12.5 | 9.6 | * | 28,755 |
| Other musculoskeletal/integumental anomalies | 3,154,816 | 5,938 | 190.0 | 217.0 | 198.8 | 188.5 | 175.3 | 183.1 | 184.4 | 28,755 |
| Down's syndrome | 3,154,816 | 1,580 | 50.5 | 24.0 | 25.8 | 30.0 | 44.4 | 114.7 | 385.6 | 28,755 |
| Other chromosomal anomalies | 3,154,816 | 1,150 | 36.8 | 24.3 | 30.9 | 27.9 | 34.5 | 58.7 | 161.2 | 28,755 |

Table 49. Live births with selected congenital anomalies and rates by age of mother, by race of mother: Total of 49 reporting States and the District of Columbia, 2001 -- Con.

[Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

| | A 11 | Congenital | | | A | Age of moth | er | | | |
|---|----------------------------|---------------------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------------------|
| Congenital anomaly and race of mother | All births ¹ | anomaly reported | All ages | Under 20 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-54 years | Not stated ² |
| Black | | | | | | | | | | |
| Anencephalus | 605,645 | 57 | 9.5 | * | 10.6 | * | * | * | * | 4.255 |
| Spina bifida/Meningocele | 605,645 | 128 | 21.3 | 23.8 | 25.3 | 14.7 | * | * | * |) |
| Hydrocephalus | 605,645 | 120 | 21.3 | 25.0 | 23.3 | 23.5 | 23.4 | * | * | 4,255 4,255 |
| Microcephalus | 605,645 | 42 | 25.1 | 20.4 | 23.3 | 23.5 | 23.4 | * | * | 4,255 |
| Other central nervous system anomalies | 605,645 | 123 | 20.5 | * | 22.8 | 17.6 | * | * | * | 4,255 |
| Other central hervous system anomalies | 605,645 | 123 | 20.5 | | 22.8 | 17.0 | | | | 4,255 |
| Heart malformations | 605,645 | 721 | 119.9 | 93.4 | 107.2 | 118.2 | 141.7 | 176.9 | 201.9 | 4,255 |
| Other circulatory/respiratory anomalies | 605,645 | 731 | 121.6 | 111.0 | 106.7 | 123.3 | 134.3 | 174.8 | * | 4,255 |
| | 000,010 | | | | | .20.0 | 10110 | | | .,200 |
| Rectal atresia/stenosis | 605,645 | 37 | 6.2 | * | * | * | * | * | * | 4,255 |
| Tracheo-esophageal fistula/Esophageal atresia | 605.645 | 41 | 6.8 | * | * | * | * | * | * | 4,255 |
| Omphalocele/Gastroschisis | 605,645 | 222 | 36.9 | 57.3 | 38.4 | 30.1 | 26.6 | * | * | 4,255 |
| Other gastrointestinal anomalies | 605,645 | 216 | 35.9 | 35.2 | 30.8 | 40.4 | 37.3 | * | * | 4,255 |
| | 000,010 | 2.0 | 00.0 | 0012 | 00.0 | | 0.10 | | | 1,200 |
| Malformed genitalia | 605,645 | 348 | 57.9 | 74.0 | 55.1 | 49.9 | 54.4 | 55.5 | * | 4,255 |
| Renal agenesis | 605.645 | 69 | 11.5 | * | 10.1 | * | * | * | * | 4,255 |
| Other urogenital anomalies | 605,645 | 399 | 66.3 | 67.8 | 55.6 | 72.7 | 69.3 | 72.0 | * | 4,255 |
| | , | | | | | | | | | ., |
| Cleft lip/palate | 605,645 | 266 | 44.2 | 41.4 | 46.0 | 42.6 | 37.3 | 59.6 | * | 4,255 |
| Polydactyly/Syndactyly/Adactyly | 605,645 | 1,324 | 220.2 | 221.1 | 245.3 | 220.9 | 194.0 | 178.9 | * | 4,255 |
| Clubfoot | 605,645 | 256 | 42.6 | 40.5 | 47.0 | 40.4 | 34.1 | 49.4 | * | 4,255 |
| Diaphragmatic hernia | 605,645 | 66 | 11.0 | * | * | * | * | * | * | 4,255 |
| Other musculoskeletal/integumental anomalies | 605,645 | 2,248 | 373.8 | 352.3 | 348.4 | 386.7 | 409.3 | 407.2 | 438.9 | 4,255 |
| Down's syndrome | 605,645 | 151 | 25.1 | 18.5 | 12.1 | * | 27.7 | 74.0 | 237.0 | 4,255 |
| Other chromosomal anomalies | 605,645 | 170 | 28.3 | 21.1 | 26.3 | 22.0 | 24.5 | 59.6 | * | 4,255 |
| other enternosonnar anomalies | 000,040 | 170 | 20.0 | 21.1 | 20.0 | 22.0 | 27.0 | 00.0 | | 7,200 |

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
1 Total number of births to residents of areas reporting specified congenital anomaly.
2 No response reported for the congenital anomalies item.
3 Includes races other than white and black.

NOTES: Excludes data for New Mexico, which did not report congenital anomalies. Race and Hispanic origin are reported separately on birth certificates. In this table all women (including Hispanic women) are classified only according to their race; see Technical notes.

Table 50. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2001

| | | | | | | Age of m | nother | | | | |
|--|---------|----------------|--------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|----------------------------------|
| Plurality and race and Hispanic origin | All | Under | 1 | 5-19 years | | | | | | | |
| of mother | ages | 15 years | Total | 15-17 years | 18-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-54 years |
| | | | | | | Number | | | | | |
| II live births | | | | | | | | | | | |
| Il races ¹ | | 7,781 | 445,944 | 145,324 | 300,620 | 1,021,627 | 1,058,265 | 942,697 | 451,723 | 92,813 | 5,083 |
| /hite, total | | 4,095 | 318,563 | 99,192 | 219,371 | 779,529 | 850,343 | 777,294 | 368,816 | 74,856 | 4,130 |
| White, non-Hispanic lack, total | | 1,581 3,455 | 190,161 110,843 | 52,712 40,842 | 137,449 70,001 | 523,027 199,221 | 622,361 137,400 | 625,435 94,660 | 300,007 49.065 | 60,614 11,001 | 3,39 51 |
| Black, non-Hispanic | 589,917 | 3,401 | 108,252 | 39,907 | 68,345 | 194,391 | 133,491 | 91,710 | 47,494 | 10,691 | 48 |
| spanic ² | 851,851 | 2,555 | 130,007 | 47,124 | 82,883 | 258,431 | 227,910 | 150,352 | 67,952 | 13,956 | 68 |
| e births in single deliveries | | | | | | | | | | | |
| races ¹ | | 7,697 | 438,998 | 143,391 | 295,607 | 998,302 | 1,026,303 | 904,124 | 429,710 | 88,022 | 4,06 |
| hite, total Vhite, non-Hispanic | | 4,046 1,557 | 314,271 187,451 | 98,015 52,040 | 216,256 135,411 | 763,468 511,521 | 825,125 602,112 | 744,657 597,031 | 350,160 283,631 | 70,747 56,947 | 3,20 2,55 |
| ack, total | | 3,426 | 108,412 | 40,134 | 68,278 | 192,702 | 132,056 | 90,714 | 46,809 | 10,600 | 2,50 |
| lack, non-Hispanic | 569,412 | 3,372 | 105,870 | 39,209 | 66,661 | 187,977 | 128,277 | 87,859 | 45,313 | 10,296 | 44 |
| spanic ² | 833,884 | 2,530 | 128,391 | 46,613 | 81,778 | 253,841 | 222,956 | 146,271 | 65,717 | 13,556 | 62 |
| e births in twin deliveries | | | | | | | | | | | |
| races ¹ ite. total | | 81 46 | 6,849 4,228 | 1,917 1,164 | 4,932 3,064 | 22,752 15,627 | 30,344 23,759 | 35,581 29,944 | 20,265 17,076 | 4,462 3,822 | 9 [.] 8 [.] |
| hite, non-Hispanic |) | 40 21 | 4,220 | 669 | 2,020 | 11,173 | 18,974 | 29,944 | 14,943 | 3,622 | 0 74 |
| ck, total | | 29 | 2,404 | 705 | 1,699 | 6,395 | 5,221 | 3,784 | 2,161 | 379 | |
| ack, non-Hispanic | 19,974 | 29 | 2,355 | 695 | 1,660 | 6,290 | 5,094 | 3,702 | 2,092 | 373 | |
| panic ² | 17,257 | 25 | 1,573 | 501 | 1,072 | 4,489 | 4,774 | 3,861 | 2,092 | 386 | |
| e births in higher order multiple deliveries ³ | | | | | | | | | | | |
| races 1 | | 3 | 97 | 16 | 81 | 573 | 1,618 | 2,992 | 1,748 | 329 | 11 |
| ite, total hite, non-Hispanic | | 3 3 | 64 21 | 13 3 | 51 18 | 434 333 | 1,459 1,275 | 2,693 2,468 | 1,580 1,433 | 287 265 | 10 |
| ck, total | | - | 27 | 3 | 24 | 124 | 123 | 162 | 95 | 203 | |
| ack, non-Hispanic | | - | 27 | 3 | 24 | 124 | 120 | 149 | 89 | 22 | |
| panic ² | 710 | - | 43 | 10 | 33 | 101 | 180 | 220 | 143 | 14 | |
| | | | | | Ratio p | er 1,000 live | births | | | | |
| multiple births | | | | | | | | | | | |
| races ¹ | 32.0 | 10.8 | 15.6 | 13.3 | 16.7 | 22.8 | 30.2 | 40.9 | 48.7 | 51.6 | 201 |
| ite, total | | 12.0 | 13.5 | 11.9 | 14.2 | 20.6 | 29.7 | 42.0 | 50.6 | 54.9 | 223 |
| nite, non-Hispanic | | 15.2 | 14.3 | 12.7 | 14.8 | 22.0 | 32.5 | 45.4 | 54.6 | 60.5 | 247 |
| k, total ck, non-Hispanic | | 8.4 8.5 | 21.9 22.0 | 17.3 17.5 | 24.6 24.6 | 32.7 33.0 | 38.9 39.1 | 41.7 42.0 | 46.0 45.9 | 36.5 36.9 | 80 80 |
| anic ² | | 9.8 | 12.4 | 10.8 | 13.3 | 17.8 | 21.7 | 27.1 | 32.9 | 28.7 | 95 |
| births | | | | | | | | | | | |
| aces ¹ | 30.1 | 10.4 | 15.4 | 13.2 | 16.4 | 22.3 | 28.7 | 37.7 | 44.9 | 48.1 | 179 |
| te, total | | 11.2 | 13.3 | 11.7 | 14.0 | 20.0 | 27.9 | 38.5 | 46.3 | 51.1 | 196 |
| hite, non-Hispanic | 33.5 | 13.3 | 14.1 | 12.7 | 14.7 | 21.4 | 30.5 | 41.5 | 49.8 | 56.1 | 219 |
| ck, total | | 8.4 | 21.7 | 17.3 | 24.3 | 32.1 | 38.0 | 40.0 | 44.0 | 34.5 | 80 |
| ack, non-Hispanic | | 8.5 | 21.8 | 17.4 | 24.3 | 32.4 | 38.2 | 40.4 | 44.0 | 34.9 | 80 |
| panic ² | 20.3 | 9.8 | 12.1 | 10.6 | 12.9 | 17.4 | 20.9 | 25.7 | 30.8 | 27.7 | 82 |
| her order multiple births ³ | | | | | Hatio pe | r 100,000 live | | | | | |
| | | | | | | | | | | a = 1 | |
| races 1 | | * | 21.8 | * | 26.9 | 56.1 | 152.9 | 317.4 | 387.0 | 354.5 | |
| ite, total hite, non-Hispanic | | * | 20.1 11.0 | * | 23.2 | 55.7 63.7 | 171.6 204.9 | 346.5 394.6 | 428.4 | 383.4 437.2 | |
| ck, total | | * | 24.4 | * | 34.3 | 63.7 62.2 | 204.9 89.5 | 394.6 171.1 | 477.7 193.6 | 200.0 | 2030 |
| ack, non-Hispanic | | * | 24.9 | * | 35.1 | 63.8 | 89.9 | 162.5 | 187.4 | 205.8 | |
| acia, non nopanio minimum | | | | | | | | | | | |

Quantity zero.
Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.
Includes races other than white and black and origin not stated.
Includes all persons of Hispanic origin of any race.
Births in greater than twin deliveries.

Technical Notes

Source of data

Data shown in this report for 2001 are based on 100 percent of the birth certificates in all States and the District of Columbia. The data are provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). In 1984 and earlier years, the VSCP included varying numbers of States that provided data based on 100 percent of their birth certificates. Data for States not in the VSCP were based on a 50-percent sample of birth certificates filed in those States. Information on the percent of records with missing information for maternal and infant characteristics included in this report is shown by State in table I. Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the Technical Notes for more information.

Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by five States (Kentucky, 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 over were to women aged 50-54 years. The numbers of births to women aged 50-54 years are too small for computing age-specific birth rates. These births have been included with births to women aged 45-49 years for computing birth rates.

In 2001 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.

Race and Hispanic origin

Race and Hispanic origin are reported separately on the birth certificate. 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.

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. In order to facilitate continuity and analysis of the data, trend tables showing data for years prior to 1980 show data for both race of mother and race of child for 1980. This makes it possible to distinguish the effects of this change from real changes in the data. The text discussions of data by race are based on tabulations by race of mother. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

The factors influencing the decision to tabulate births by race of the mother have been discussed in detail elsewhere (131). They include

the 1989 revision of the birth certificate, which includes many more health questions which are directly associated with the mother. In these instances, it is more appropriate to tabulate births by the mother's race. A second factor has been the increasing incidence of interracial parentage. In 2001, 5.3 percent of births were to parents of different races compared with just 1.9 percent for 1980. A third factor influencing the decision to tabulate births by race of mother is the large proportion of births with race of father not stated, 13 percent in 2001. The high proportion of records with the father's race not reported reflects the increase in the proportion of births to unmarried women; in many such cases, no information is reported on the father. These births are already assigned the race of the mother because there is no alternative. Tabulating all births by race of mother, therefore, provides for a more uniform approach, rather than a necessarily arbitrary combination of parental races.

Race of mother is reported by all registration areas in eight categories: white, black, American Indian, Chinese, Japanese, Hawaiian, Filipino, and "other" Asian or Pacific Islander (API). In addition, 11 States (California, Hawaii, Illinois, Minnesota, Missouri, New Jersey, New York, Texas, Virginia, Washington, and West Virginia) report data on additional API subgroups that would otherwise be included in the "other" API category (Vietnamese, Asian Indian, Korean, Samoan, Guamanian, and remaining API). A report on births in 1992 to women in these API subgroups has been published (132).

In 2001 race of mother was not reported for 0.4 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 0.3 percent of births in 2001.

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

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all States and the District of Columbia, the Virgin Islands, and Guam since 1993 (133). Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. The percent of records for which Hispanic origin of the parents was not reported in 2001 is shown by State in table I.

Marital status

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

In the two States (Michigan and New York) which use inferential procedures to compile birth statistics by marital status in 2001, a birth is inferred as nonmarital if any 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 (31, 134).

The mother's marital status was not reported in 2001 on 0.03 percent of the birth records in the 48 States and the District of Columbia where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

Tobacco use

Beginning in 2001, data on whether or not the mother smoked during pregnancy is available for all States and the District of Columbia, except for California. These areas comprised 87 percent of U.S. births in 2001. Data on the number of cigarettes smoked daily were available in a comparable format for 46 States, the District of Columbia, and New York City. Indiana and New York State (except for New York City) reported information on number of cigarettes smoked in a format that was inconsistent with the NCHS standard (see figure I). South Dakota did not report this information. The areas reporting on the number of cigarettes smoked comprised 81 percent of U.S. births in 2001.

Gestation

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother's last normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of postconception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages that are clearly inconsistent with the infant's plurality and birthweight (see below), but reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations (135.136).

The U.S. Standard Certificate of Live Birth includes an item, "clinical estimate of gestation," that was compared with length of gestation computed from the date the 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 estimate was also used if the LMP date was not reported. The period of gestation for 4.9 percent of the births in 2001 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 LMPbased 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 283 births or 0.007 percent of all birth records in 2001. The levels of the adjustments in 2001 data were similar to those for 2000 and earlier years (122).

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:

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Less than 500 grams = 1 lb 1 oz or less

500-999 grams = 1 lb 2 oz-2 lb 3 oz

1,000-1,499 grams = 2 lb 4 oz-3 lb 4 oz

1,500-1,999 grams = 3 lb 5 oz-4 lb 6 oz

2,000-2,499 grams = 4 lb 7 oz-5 lb 8 oz

2,500-2,999 grams = 5 lb 9 oz-6 lb 9 oz

3,000-3,499 grams = 6 lb 10 oz-7 lb 11 oz

3,500-3,999 grams = 7 lb 12 oz-8 lb 13 oz

4,000-4,499 grams = 8 lb 14 oz-9 lb 14 oz

4,500-4,999 grams = 9 lb 15 oz-11 lb 0 oz

5,000 grams or more = 11 lb 1 oz or more
```

Method of delivery

Several rates are computed for method of delivery. The overall cesarean section rate or *total cesarean* rate is computed as the percent of all births that were delivered by cesarean section. The *primary cesarean* rate is a measure which relates the number of women having a first cesarean delivery to all women giving birth who have never had a cesarean delivery. The denominator for this rate includes all births less those with method of delivery classified as repeat cesarean, vaginal birth after previous cesarean (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean section.

Computations of percents, percent distributions, and medians

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percents, percent distributions, and medians were computed. The percent of records with missing information for each item is shown by State in table I. The median number of prenatal visits also excludes births to mothers who had no prenatal care. Computations of the median years of school completed and the median number of prenatal visits were based on ungrouped data. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2001

[By place of residence]

| | All | Place | Attendant | Mother's | Father's | Father's | Hispani | c origin |
|---------------------------------------|------------------|------------|------------|------------|--------------|--------------|------------|--------------|
| Area | births | of birth | at birth | birthplace | age | race | Mother | Father |
| Total of reporting areas ¹ | 4,025,933 | 0.0 | 0.0 | 0.3 | 13.5 | 14.1 | 0.6 | 14.1 |
| Nabama | 60,454 | 0.0 | 0.0 | 0.1 | 21.4 | 21.5 | 0.1 | 21.4 |
| Maska | 10,003 | 0.2 | 0.1 | 0.7 | 12.2 | 13.8 | 8.7 | 17.3 |
| Arizona | 85,597 | 0.0 | 0.0 | 0.1 | 18.3 | 19.5 | 1.3 | 19.9 |
| Arkansas | 37,010 | 0.0 | 0.0 | 0.4 | 19.7 | 21.0 | 0.4 | 20.3 |
| California | 527,759 | 0.0 | 0.1 | 0.2 | 7.1 | 6.7 | 0.6 | 6.3 |
| Colorado | 67,007 | - | 0.0 | 0.4 | 8.1 | 8.5 | 0.0 | 8.6 |
| | 42,648 | 0.0 | 0.0 | 0.3 | 10.2 | 11.6 | 1.2 | 11.3 |
| | 10,749 | - | - | 0.1 | 29.7 | 30.4 | 0.1 | 29.6 |
| District of Columbia | 7,625 | - | _ | 0.1 | 39.2 | 47.4 | 0.6 | 39.1 |
| ilorida | 205,793 | 0.0 | 0.0 | 0.1 | 16.7 | 17.0 | 0.2 | 18.5 |
| Georgia | 133,526 | 0.0 | 0.0 | 0.2 | 17.6 | 17.8 | 1.2 | 18.5 |
| ławaii | 17,072 | - | 0.0 | 0.1 | 9.4 | 9.5 | 0.1 | 9.2 |
| daho | 20,688 | 0.0 | 0.0 | 0.7 | 8.2 | 11.7 | 1.9 | 12.4 |
| linois | 184,064 | 0.0 0.0 | 0.0 0.0 | 0.1 0.1 | 13.4 12.6 | 15.2 12.6 | 0.0 0.4 | 15.1 12.9 |
| ndiana | 86,459 | | | | | | | |
| owa | 37,619 | - | 0.0 | 0.0 | 12.6 | 14.3 | 0.3 | 14.0 |
| (ansas | 38,869 | _ | 0.1 | 0.1 | 10.4 | 11.2 | 1.1 | 11.9 |
| | 54,658 | 0.0 | 0.1 | 0.0 | 19.6 | 22.2 | 0.0 | 22.4 |
| .ouisiana | 65,352 13,759 | 0.0 | 0.0 | 0.0 | 20.3 8.6 | 20.3 12.4 | 0.1 0.4 | 20.3 10.4 |
| | 73,218 | 0.0 | 0.0 | 0.4 | 11.5 | 12.7 | 0.4 | 10.7 |
| Aaryland | 81,077 | 0.0 | 0.0 | 0.4 | 7.0 | 7.4 | 0.4 | 6.7 |
| | 133,427 | 0.0 | 0.0 | 0.0 | 14.2 | 16.4 | 1.4 | 17.3 |
| linnesota | 67,562 | 0.0 | 0.0 | 0.2 | 9.4 | 13.5 | 0.7 | 13.3 |
| | 42,282 | - | 0.0 | 0.2 | 22.1 | 22.0 | 0.1 | 22.1 |
| Missouri | 75,464 | 0.0 | _ | 0.2 | 18.5 | 18.3 | 0.1 | 17.8 |
| Aontana | 10.970 | 0.0 | 0.2 | 0.2 | 9.8 | 11.0 | 2.9 | 13.6 |
| lebraska | 24,820 | _ | - | - | 11.8 | 13.3 | 2.1 | 13.8 |
| Vevada | 31,382 | 0.0 | 0.0 | 0.5 | 20.0 | 20.9 | 1.1 | 20.0 |
| New Hampshire | 14,656 | _ | _ | 0.1 | 5.4 | 7.5 | 4.5 | 10.8 |
| lew Jersey | 115,795 | 0.0 | 0.0 | 0.1 | 7.9 | 9.5 | 0.3 | 8.3 |
| lew Mexico | 27,128 | - | 0.0 | 1.3 | 21.0 | 20.5 | 0.0 | 20.5 |
| lew York | 254,026 | 0.1 | 0.0 | 0.4 | 14.0 | 14.4 | 1.1 | 14.8 |
| North Carolina | 118,185 | - | 0.0 | 0.0 | 15.7 | 15.8 | 0.1 | 16.1 |
| North Dakota | 7,629 | 0.0 | - | 0.0 | 8.5 | 8.9 | 2.5 | 11.5 |
| Dhio | 151,570 | 0.0 | 0.0 | 1.1 | 14.9 | 15.5 | 0.2 | 15.0 |
| Oklahoma | 50,118 | 0.0 | 0.0 | 0.0 | 17.5 | 18.8 | 0.2 | 18.4 |
| Dregon | 45,322 | - | - | 0.1 | 10.3 | 4.0 | 0.3 | 4.3 |
| Pennsylvania | 143,495 | 0.0 | 0.0 | 0.9 | 5.0 | 5.4 | 0.7 | 4.2 |
| Rhode Island | 12,713 | - | - | 0.5 | 13.4 | 13.9 | 9.9 | 20.5 |
| South Carolina | 55,756 | - | - | 0.1 | 27.1 | 27.3 | 0.1 | 27.1 |
| South Dakota | 10,483 | - | _ | 0.0 | 13.1 | 13.2 | 0.1 | 13.4 |
| ennessee | 78,340 | 0.0 | 0.0 | 0.1 | 15.3 | 15.5 | 0.0 | 15.5 |
| exas | 365,410 | 0.0 | 0.0 | 0.5 0.2 | 14.2 | 14.4 10.0 | 0.3 0.6 | 14.4 9.4 |
| Jtah | 47,959 | - | | | 8.4 | | | |
| /ermont | 6,366 | - | _ | 0.1 | 7.6 | 13.6 | 3.0 | 15.9 |
| | 98,884 | _ | 0.0 | 0.1 | 16.6 | 18.5 | 0.2 | 16.7 |
| Vashington | 79,570 | 0.0 | 0.1 | 0.5 | 10.6 | 13.1 | 1.7 | 13.3 |
| Vest Virginia | 20,428 69,072 | 0.2 0.0 | 0.0 0.0 | 0.1 0.1 | 12.7 29.5 | 13.1 29.6 | 0.3 0.0 | 13.2 29.6 |
| | 6,115 | - | - | 0.1 | 13.6 | 14.0 | 0.1 | 13.8 |
| Vyoming | 55,866 | 0.0 | 0.1 | 0.1 | 3.4 | 4.2 | 0.1 | 13.8 |
| /irgin Islands | 1,669 | 0.0 | 0.1 | _ | 19.4 | 21.0 | 3.1 | 24.7 |
| Guam | 3,565 | 0.1 | 0.9 | 0.8 | 22.1 | 23.1 | 2.6 | 24.7 |
| American Samoa | 1,655 | - | 0.2 | 5.1 | 28.3 | 30.3 | 2.0 | 27.5 |
| Commonwealth of the | 1,000 | | 0.2 | 0.1 | 20.0 | 00.0 | | |
| Northern Marianas Islands | 1,449 | - | 0.3 | - | 7.4 | 4.1 | | |
| | , | | | | | | | |

Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2001—Con.

[By place of residence]

| Area | Educational attainment of mother | Live-birth order | Length of gestation | Month prenatal care began | Number of prenatal visite |
|--------------------------------------|--|---------------------|---------------------|---------------------------|---------------------------|
| otal of reporting areas ¹ | 1.4 | 0.3 | 1.0 | 2.4 | 3.1 |
| Nabama | 0.2 | 0.0 | 0.1 | 0.3 | 0.3 |
| laska | 3.4 | 2.1 | 0.4 | 4.1 | 7.2 |
| | | | | | 2.9 |
| rizona | 2.3 | 0.3 | 0.1 | 1.6 | |
| rkansas | 0.7 | 0.2 | 0.2 | 1.8 | 2.4 |
| alifornia | 1.6 | 0.1 | ² 5.9 | 1.6 | 2.8 |
| olorado | 1.1 | 0.0 | 0.0 | 1.6 | 2.3 |
| onnecticut | 1.5 | 0.7 | 0.2 | 1.9 | 4.1 |
| | 0.6 | 0.1 | 0.1 | 0.2 | 0.4 |
| | | | | | |
| | 7.0 | 1.1 | 0.3 | 14.3 | 9.6 |
| lorida | 0.7 | 0.0 | 0.1 | 1.2 | 2.1 |
| eorgia | 1.2 | 0.4 | 0.1 | 4.4 | 3.9 |
| awaii | 0.8 | 0.0 | 0.7 | 2.5 | 2.5 |
| laho | 3.1 | 0.2 | 0.5 | 6.7 | 4.2 |
| | | | | | |
| inois | 1.1 | 0.1 | 0.2 | 2.5 | 2.7 |
| diana | 0.6 | 0.1 | 0.1 | 0.9 | 2.2 |
| wa | 0.3 | 0.0 | 0.1 | 0.5 | 1.4 |
| ansas | 0.4 | 0.0 | 0.1 | 0.9 | 1.1 |
| entucky | 0.3 | 0.0 | 0.1 | 1.2 | 1.5 |
| | 0.3 | 0.0 | 0.1 | 0.4 | 0.4 |
| | | | | | |
| laine | 0.9 | 0.4 | 0.1 | 0.5 | 0.7 |
| laryland | 1.4 | 0.2 | 0.4 | 2.3 | 3.4 |
| assachusetts | 0.3 | 0.3 | 0.4 | 1.5 | 0.5 |
| lichigan | 2.2 | 0.2 | 0.1 | 1.9 | 2.5 |
| | 2.3 | 0.5 | 0.5 | 4.0 | 4.8 |
| | | | | | |
| lississippi | 0.3 | 0.1 | 0.1 | 0.6 | 1.1 |
| lissouri | 0.7 | 0.3 | 0.2 | 2.2 | 3.8 |
| ontana | 0.1 | 0.0 | 0.1 | 0.4 | 0.3 |
| ebraska | 0.1 | 0.0 | 0.0 | 0.4 | 0.4 |
| | | 0.8 | 1.0 | 4.1 | 8.1 |
| | 2.9 | | | | |
| ew Hampshire | 1.3 | 0.2 | 0.2 | 2.1 | 1.9 |
| lew Jersey | 2.9 | 0.1 | 0.1 | 3.9 | 3.9 |
| lew Mexico | 2.9 | 1.4 | 0.2 | 5.1 | 5.1 |
| ew York | 1.0 | 0.3 | 0.1 | 4.6 | 2.9 |
| | 0.2 | 0.0 | 0.0 | 0.6 | 0.6 |
| orth Carolina | | | | | |
| orth Dakota | 0.5 | 0.0 | 0.1 | 0.9 | 0.7 |
|)hio | 0.9 | 1.1 | 0.0 | 1.9 | 2.9 |
|)klahoma | 0.3 | 0.7 | 0.1 | 1.9 | 0.7 |
| Dregon | 1.2 | 0.0 | 0.0 | 0.1 | 0.2 |
| | 2.7 | 0.0 | 0.0 | 5.0 | 6.4 |
| | | | | | |
| hode Island | 2.4 | 1.1 | 0.2 | 2.6 | 3.0 |
| outh Carolina | 1.1 | 0.1 | 0.1 | 0.9 | 1.0 |
| outh Dakota | 0.3 | - | 0.0 | 0.3 | 0.3 |
| ennessee | 0.3 | 0.1 | 0.2 | 1.8 | 1.9 |
| EXAS | 2.0 | 1.1 | 0.9 | 3.2 | 6.7 |
| tah | | 0.3 | 0.9 | 2.2 | 2.8 |
| | 1.6 | 0.0 | 0.1 | ۲.۲ | 2.0 |
| ermont | 0.9 | 0.5 | 0.2 | 4.0 | 2.2 |
| irginia | 1.0 | 0.0 | 0.0 | 0.3 | 1.1 |
| ashington | 6.1 | 1.4 | 0.8 | 8.2 | 9.7 |
| /est Virginia | 0.6 | 0.0 | 0.1 | 3.4 | 2.0 |
| | 0.3 | 0.0 | 0.0 | 0.3 | 0.4 |
| 1900119111 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 |
| /yoming | 0.3 | - | 0.1 | 0.4 | 0.6 |
| uerto Rico. | 0.3 | 0.0 | 0.1 | 0.3 | 0.1 |
| irgin Islands. | 1.7 | 1.3 | 0.6 | 0.1 | 2.0 |
| 5 | | | 0.0 | 1.7 | 2.0 |
| | 1.6 | 1.5 | 0.2 | 1.7 | 2.0 |
| | | - | | | |
| ommonwealth of the | | _ | | _ | |
| orthern Marianas Islands | 3.0 | 0.7 | 0.8 | 2.0 | 2.1 |

Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2001—Con.

[By place of residence]

| Total of reporting areas ¹ 0.1 0.4 0.9 0.7 0.9 Alabarna 0.1 0.3 0.0 0.1 0.1 Ataska. 0.4 0.6 2.7 0.9 1.1 Arizona 0.1 0.3 0.0 1.2 1.3 Arizona 0.1 0.3 0.0 1.2 1.3 California 0.0 0.3 0.0 0.3 0.3 California 0.0 0.6 2.4 1.0 1.1 Detordo 0.0 0.6 2.4 1.0 1.1 Detordo 0.0 0.4 0.4 0.5 0.5 Idata 0.1 0.2 0.0 0.1 0.1 District of Columbia 0.1 0.5 0.4 0.6 0.7 Illinois 0.1 0.3 0.1 0.1 0.1 0.1 Idaba 0.1 0.3 0.1 0.1 0.1 0.1 Imana </th <th>Area</th> <th>Birthweight</th> <th>5-minute Apgar score</th> <th>Medical risk factors</th> <th>Tobacco use</th> <th>Alcohol use</th> <th>Weight gain</th> | Area | Birthweight | 5-minute Apgar score | Medical risk factors | Tobacco use | Alcohol use | Weight gain |
|---|------------------------------|-------------|-------------------------|-------------------------|------------------|----------------|----------------|
| Alaska 0.4 0.6 2.7 0.9 1.1 Arkanas 0.1 0.3 0.0 1.2 1.3 Arkanas 0.1 0.3 0.0 Colatdonia 0.0 0.0 0.0 Conacto 0.0 0.6 2.4 1.0 1.1 Delavare 0.1 0.2 0.0 0.1 0.1 Delavare 0.1 0.2 0.0 0.1 0.1 Delavare 0.1 0.2 0.0 0.1 0.1 Georgia 0.0 0.4 0.4 0.5 0.5 Hawai 0.1 0.5 0.4 0.1 0.1 Gabo 0.1 0.6 0.4 0.6 0.7 Illinois 0.1 0.3 0.1 0.1 0.1 Gabo 0.1 0.3 0.1 0.1 0.1 Illinois 0.1 0.3 0.1 0.1 0.1 Illinois 0.1 0.3 0.1 0.1 <t< td=""><td>reporting areas¹</td><td>0.1</td><td>0.4</td><td>0.9</td><td>0.7</td><td>0.9</td><td>7.0</td></t<> | reporting areas ¹ | 0.1 | 0.4 | 0.9 | 0.7 | 0.9 | 7.0 |
| Alaska. 0.4 0.6 2.7 0.9 1.1 Arkanas 0.1 0.3 0.0 1.2 1.3 Arkanas 0.1 3.3 0.1 0.7 0.8 California 0.0 0.0 Conacto 0.0 0.3 0.0 0.3 0.3 0.3 Connecticut 0.0 0.6 2.4 1.0 1.1 1.1 0.1 | | 0.1 | 0.3 | 0.0 | 0.1 | 0.1 | 3.6 |
| Aizona 0.1 0.3 0.0 1.2 1.3 California 0.0 0.0 0.0 Colorado 0.0 0.3 0.0 0.3 0.3 Colorado 0.0 0.6 2.4 1.0 1.1 Delavare 0.0 0.6 2.4 1.0 1.1 Delavare 0.1 0.2 0.0 0.1 0.1 District of Columbia 0.0 1.0 - 0.0 0.0 Florida 0.1 0.2 0.0 0.1 0.1 0.1 Georgia 0.1 0.2 0.0 0.1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7.6</td> | | | | | | | 7.6 |
| Arkansas 0.1 3.3 0.1 0.7 0.8 California 0.0 0.0 0.0 Conrecticut 0.0 0.3 0.0 0.3 0.3 0.3 Connecticut 0.0 0.6 2.4 1.0 1.1 1.1 0.2 0.1 | | | | | | | 17.3 |
| California 0.0 0.0 0.0 Colorado 0.0 0.3 0.0 0.3 0.3 0.3 Colorado 0.0 0.6 2.4 1.0 1.1 Delavare 0.1 0.2 0.0 0.1 0.1 Delixit of Columbia 0.0 1.0 - 0.0 0.0 Florida 0.1 0.2 0.0 0.1 0.1 Georgia 0.1 0.2 0.0 0.4 0.4 0.5 Hawaii 0.1 0.5 0.4 0.1 0.1 1.1 | | | | | | | 7.7 |
| Colorado 0.0 0.3 0.0 0.3 0.3 Connecticut. 0.0 0.6 2.4 1.0 1.1 Detivare 0.1 0.2 0.0 0.1 0.1 District of Columbia. 0.1 0.2 0.0 0.1 0.1 Gorgia 0.0 0.4 0.4 0.5 0.5 Hawaii 0.1 0.5 0.4 0.1 0.1 Idaho 0.1 0.6 0.4 0.6 0.7 Illinois 0.1 0.3 0.1 0.1 0.2 0.2 lowa 0.1 0.3 0.1 0.1 0.1 0.1 0.1 Illinois 0.1 0.3 0.1 | | | | | | | |
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| Ohio. 0.1 0.2 0.0 0.3 0.3 Oklahoma. 0.1 1.1 1.4 0.8 0.9 Oregon 0.0 0.4 0.7 0.8 0.8 Pennsylvania. 0.1 0.4 0.7 0.8 0.8 Pennsylvania. 0.1 0.4 0.1 0.9 1.0 Rhode Island. 0.1 0.3 6.0 1.7 1.8 South Carolina. 0.0 0.2 0.0 0.1 0.1 South Carolina. 0.0 0.2 0.0 0.1 0.1 South Carolina. 0.0 0.3 0.0 50.1 50.2 Tennessee 0.0 0.2 0.0 0.2 0.2 Texas 0.1 61.2 1.1 1.1 Utah 0.1 0.3 0.3 0.3 0.9 0.5 Vermont. 0.3 0.3 0.3 0.9 0.5 0.0 0.0 | arolina | 0.0 | 0.3 | 0.0 | 0.2 | 0.2 | 2.3 |
| Oklahoma. 0.1 1.1 1.4 0.8 0.9 Oregon 0.0 0.4 0.7 0.8 0.8 Pennsylvania 0.1 0.4 0.7 0.8 0.8 Pennsylvania 0.1 0.4 0.1 0.9 1.0 Rhode Island 0.1 0.4 0.1 0.9 1.0 South Carolina 0.0 0.2 0.0 0.1 0.1 South Carolina 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 1.1 Utah 0.1 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | akota | 0.1 | 0.2 | 0.2 | 0.5 | 0.9 | 2.9 |
| Oklahoma. 0.1 1.1 1.4 0.8 0.9 Oregon 0.0 0.4 0.7 0.8 0.8 Pennsylvania 0.1 0.4 0.7 0.8 0.8 Pennsylvania 0.1 0.4 0.1 0.9 1.0 Rhode Island 0.1 0.4 0.1 0.9 1.0 South Carolina 0.0 0.2 0.0 0.1 0.1 South Carolina 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 1.1 Utah 0.1 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | | 0.1 | 0.2 | 0.0 | 0.3 | 0.3 | 3.2 |
| Oregon 0.0 0.4 0.7 0.8 0.8 Pennsylvania 0.1 0.4 0.1 0.9 1.0 Rhode Island 0.1 0.3 6.0 1.7 1.8 South Carolina 0.0 0.2 0.0 0.1 0.1 South Carolina 0.0 0.2 0.0 0.1 0.1 South Carolina 0.0 0.2 0.0 0.1 0.1 South Dakota 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 Utah 0.1 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | | | | | | | 1.7 |
| Pensylvania 0.1 0.4 0.1 0.9 1.0 Rhode Island 0.1 0.3 6.0 1.7 1.8 South Carolina 0.0 0.2 0.0 0.1 0.1 South Carolina 0.0 0.2 0.0 0.1 0.1 South Dakota 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 Utah 0.1 0.3 0.3 0.3 0.9 0.5 Vermont 0.1 0.2 0.0 0.0 0.0 0.0 | | | | | | | 1.9 |
| Rhode Island. 0.1 0.3 6.0 1.7 1.8 South Carolina. 0.0 0.2 0.0 0.1 0.1 South Carolina. 0.0 0.2 0.0 0.1 0.1 South Dakota 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 Utah 0.1 0.3 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | | | | | | | 11.1 |
| South Carolina 0.0 0.2 0.0 0.1 0.1 South Dakota 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 Utah 0.1 0.3 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 0.0 | | | | | | | 13.2 |
| South Dakota 0.0 0.3 0.0 ⁵ 0.1 ⁵ 0.2 Tennessee 0.0 0.2 0.0 0.2 0.2 Texas 0.1 ⁶ 1.2 1.1 1.1 Utah 0.1 0.3 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | | | | | 0.1 | | 1.6 |
| Tennessee 0.0 0.2 0.0 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.9 0.5 Virginia 0.0 0.0 0.0 0.0 0.0 0.0 | | | | | ⁵ 0.1 | | 1.1 |
| Texas 0.1 ⁶ 1.2 1.1 1.1 Utah 0.1 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | 90 | | | | | | 9.3 |
| Utah 0.1 0.3 0.1 0.7 0.7 Vermont 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | | | | | | | 12.6 |
| Vermont. 0.3 0.3 0.3 0.9 0.5 Virginia 0.1 0.2 0.0 0.0 0.0 | | | 0.3 | | | | 4.1 |
| Virginia 0.1 0.2 0.0 0.0 0.0 | | | | | | | 2.7 |
| 0 | | | | | | | 2.7 3.6 |
| Washington | | | | 12.7 | 2.5 | 0.0 9.7 | 23.8 |
| Washington 0.5 0.6 12.7 2.5 9.7 West Virginia 0.1 0.3 1.9 0.8 1.4 | | | | | | | 23.0 9.1 |
| Wisconsin | | | | | | | 2.2 |
| | | | | | | | |
| Wyoming | | | | | | | 1.8 |
| Puerto Rico | | | | | | | 0.1 |
| Virgin Islands | | | | | | | 16.2 |
| Guam | | | | | | | 4.8 |
| American Samoa | | - | | | | | |
| Commonwealth of the | | 0.6 | 4.5 | | 50.0 | 50.0 | |
| Northern Marianas Islands 0.6 1.5 ⁵ 0.6 ⁵ 0.6 | Mananas Islanos | 0.0 | 1.5 | | °U.6 | °U.b | |

Table I. Percent of birth records on which specified items were not stated: United States and each State and territory, 2001-Con.

[By place of residence]

| Area | Obstetric procedures | Complications of labor and/or delivery | Method of delivery | Abnormal conditions of newborn | Congenital anomalies |
|--------------------------------------|----------------------|--|--------------------|--------------------------------------|-------------------------|
| otal of reporting areas ¹ | 0.5 | 0.6 | 0.5 | 1.0 | 0.9 |
| Nabama | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| Navama | 2.6 | 2.8 | 0.4 | 2.3 | 2.2 |
| | | | | | ¹¹ 0.3 |
| rizona | 0.0 | 0.0 | 0.4 | 0.0 | |
| rkansas | 0.1 | 0.1 | 0.3 | 0.1 | 0.1 |
| alifornia | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Colorado | 0.0 | 0.0 | - | 0.0 | 0.2 |
| onnecticut | 2.3 | 2.1 | 0.6 | 2.7 | 2.8 |
| elaware | 0.0 | _ | 0.0 | 0.0 | - |
| istrict of Columbia | - | _ | 0.1 | 0.0 | - |
| lorida | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| | | | | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.5 | | |
| | 0.2 | 0.3 | 0.4 | 0.2 | 0.2 |
| | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 |
| inois | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 |
| diana | 0.0 | 0.1 | 0.5 | 0.1 | 0.1 |
| wa | 0.0 | 0.1 | 0.5 | 0.0 | 0.1 |
| ansas | 0.1 | 0.1 | 0.3 | 0.2 | 0.2 |
| ientucky | 2.5 | 4.7 | 3.2 | 6.8 | 5.5 |
| ouisiana | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 |
| laine | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 |
| | | | | | |
| laryland | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| lassachusetts | 0.5 | 0.5 | 0.6 | 0.6 | 0.9 |
| (ichigan | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| linnesota | 6.4 | 8.1 | 2.6 | 9.2 | 9.2 |
| 1ississippi | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 |
| Aissouri | 0.1 | 0.1 | 0.6 | 0.1 | 0.1 |
| Nontana | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| lebraska | 0.0 | 0.1 | 0.3 | ⁷ 0.0 | 0.0 |
| | 1.5 | 4.1 | 1.2 | 3.1 | 7.8 |
| | | | | | |
| lew Hampshire | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 |
| lew Jersey | 0.1 | 0.6 | 0.6 | 4.3 | 2.1 |
| lew Mexico | 0.0 | 0.0 | 0.5 | 0.0 | |
| lew York | 0.3 | 0.5 | 0.4 | ⁸ 2.3 | 2.2 |
| lorth Carolina | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| lorth Dakota | 0.2 | 0.1 | 1.8 | 0.2 | 0.2 |
| Dhio | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| | | | 1.6 | 2.9 | ¹¹ 3.0 |
| Nahoma | 1.3 | 1.6 | | | |
| | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| hode Island | 6.2 | 6.0 | 0.4 | 10.8 | 10.9 |
| outh Carolina | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| outh Dakota | - | 0.0 | 0.3 | 0.0 | 0.0 |
| ennessee | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| exas | 0.0 | ⁹ 0.0 | 0.7 | 70.0 | 0.1 |
| tah | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| ermont | 0.3 | 0.3 | 0.1 | 0.3 | 0.3 |
| | | | | | |
| | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 |
| | 10.1 | 11.9 | 0.4 | 12.4 | 12.5 |
| /est Virginia | 0.2 | 1.0 | 0.3 | 3.1 | 0.7 |
| lisconsin | 0.0 | 0.1 | 0.0 | ¹⁰ 0.1 | 0.1 |
| /yoming | - | - | 0.0 | - | 0.0 |
| uerto Rico | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 |
| irgin Islands | 1.4 | 2.9 | 0.9 | 4.4 | 3.8 |
| Suam | 1.1 | 3.2 | 0.4 | 2.3 | 2.2 |
| merican Samoa | | 0.2 | 0.4 | 2.0 | |
| commonwealth of the | | | | | |
| lorthern Marianas Islands | | | 1.6 | | |
| | | | 1 h | | |

0.0 Quantity more than zero but less than 0.05. --- Data not available. - Quantity zero.

¹Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas.

²California reports date last normal menses began but does not report clinical estimate of gestation. ³Kansas does not report Rh sensitization.

⁴Indiana and New York State report tobacco use but do not report the average number of cigarettes smoked per day in standard categories; data for New York City are reported in standard categories.

⁵South Dakota and the Commonwealth of the Northern Marianas report tobacco and alcohol use but do not report the average number of cigarettes smoked per day or the average number of drinks per week. ⁶Texas does not report genital herpes and uterine bleeding. ⁷Nebraska and Texas do not report birth injury.

⁸New York City does not report assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more.

⁹Texas does not report anesthetic complications and fetal distress. ¹⁰Wisconsin does not report fetal alcohol syndrome.

¹¹Rates of "Other central nervous system anomalies" may be overstated for Arizona and Oklahoma for 2001.

| 38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply) | COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply) | 43. CONGENITAL ANOMALIES OF CHILD (Check all that apply) |
|---|--|--|
| Anemia (Hct. <30/Hgb. <10) | Februle (> 100 °F. or 38 °C.) 01 Meconium, moderate/heavy 02 Premature rupture of membrane (>12 hours) 03 Abruptio placenta 04 Placenta previa 05 Other excessive bleeding 06 Seizures during labor 07 Precipitous labor (>3 hours) 08 Prolonged labor (>20 hours) 09 Dysfunctional labor 10 Breech/Malpresentation 11 Cord prolapse 13 Anesthetic complications 14 Fetal distress 15 None 00 Other 16 | Anencephalus 01 Spina bifida/Meningocele 02 Hydrocephalus 03 Microcephalus 04 Other central nervous system anomalies 05 (Specify) 05 Heart malformations 06 Other circulatory/respiratory anomalies 07 Rectal atresia/stenosis 08 Tracheo-esophageal fistula/ Esophageal atresia 09 Omphalocele/ Gastroschisis 10 Other gastrointestinal anomalies 12 Malformed genitalia 12 Renal agenesis 13 |
| (Specify) | 41. METHOD OF DELIVERY (Check all that apply) | Other urogenital anomalies (Specify)14 |
| 38b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items) Tobacco use during pregnancy | Vaginal 01 Vaginal birth after previous C-section 02 Primary C-section 03 Repeat C-section 04 Forceps 05 Vacuum 06 | Cleft lip/palate |
| Weight gained during pregnancy lbs. 39. OBSTETRIC PROCEDURES (Check all that apply) Amniocentesis | 42. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply) Anemia (Hct. < 39/Hgb. < 13) | (Specify) 19 Down's syndrome 20 Other chromosomal anomalies 21 None 00 Other 22 (Specify) 22 |
| Tocolysis 05 Ultrasound 06 None 00 Other 07 (Specify) | Assisted ventilation ≥ 30 min 07 □ Assisted ventilation ≥ 30 min 07 □ Seizures 08 □ None 00 □ Other 09 □ (Specify) 09 □ | |

Figure I. Selected maternal and infant health items from the 1989 revision of the U.S. Standard Certificate of Live Birth

Population denominators

Birth and fertility rates for 2001 shown in tables 1, 3–6, 8, 9, 13, 14, A, and B are based on populations projected from the 1990 Census, estimated as of July 1, 2001. These populations are shown in tables II and III. The population estimates have been provided by the U.S. Bureau of the Census (7) and are based on the 1990 census counts by age, race, and sex, which were modified to be consistent with Office of Management and Budget racial categories and historical categories for birth data, and in the case of age, to reflect age as of the census reference date. The modification procedures are described in detail in a census report (137).

The U.S.- and State-level birth and fertility rates in this report are based on estimates projected from the 1990 census because detailed populations based on the 2000 census were not available when this report was prepared. As a result, rates are generally larger than would be the case if 2000-based estimates were used. The magnitude of the overestimate will vary by population subgroup; overestimates are likely greatest for those of Hispanic origin. A comparison of the estimates for the total population based on the 1990 and 2000 censuses show that the total 2001 population used in this report is 2.5 percent lower than the estimated population based on the 2000 census (138). A comparison of summary 2000 census results and the estimates for 2000 used in the 2000 report indicates that the total U.S. Hispanic population used for the 2000 report is 8 percent lower than the population based

on the 2000 census (5–7). The underestimate for Hispanic women 15–44 years of age is 9.5 percent (compared with an underestimate of 2 percent for all women 15–44 years of age). Therefore, the birth and fertility rates for Hispanic women presented here are overstated because the population base is too small. There may be similar, but less pronounced effects for other population groups. Comparison between rates for the current year and for 2000, which also uses population denominators based on the 1990 census, should be affected only marginally when more accurate denominators for the 2000 census are used. Comparisons with rates for the early 1990s will be more affected. Revised rates based on the 2000 census will be presented in a forthcoming report planned for early 2003.

Rates for Hispanic subgroups for 2001 are not shown because the special population estimates for these groups, based on the 1990 census, are not available.

Birth and fertility rates by State shown in table 10 are based on State-level population estimates projected from the 1990 census provided by the U.S. Bureau of the Census that are consistent with the U.S. populations (139). Rates by State shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates by month shown in table 15 are based on monthly population estimates also based on the 2001 estimates (from the 1990 census). Rates for unmarried women shown in tables 17 and 18 are based on distributions of the population by marital status as of March

Table II. Estimated total population by race, and estimated female population by age and race: United States, 2001

[Populations estimated as of July 1]

| Age | All races | White | Black | American Indian | Asian or Pacific Islander |
|-------------------|-------------|-------------|------------|--------------------|------------------------------|
| Total population | 277,739,757 | 227,871,696 | 35,756,802 | 2,475,455 | 11,635,804 |
| Female population | | | | | |
| 15–44 years | 60,139,584 | 47,937,842 | 8,723,292 | 591,092 | 2,887,358 |
| 0–14 years | 9,880,471 | 7,727,436 | 1,597,050 | 124,733 | 431,252 |
| 5–19 years | 9,742,425 | 7,686,099 | 1,513,573 | 120,207 | 422,546 |
| 15–17 years | 5,760,522 | 4,538,264 | 895,077 | 73,360 | 253,821 |
| 18–19 years | 3,981,903 | 3,147,835 | 618,496 | 46,847 | 168,725 |
| 0-24 years | 9,298,249 | 7,342,201 | 1,439,985 | 105,013 | 411,050 |
| 5–29 years | 8,724,955 | 6,827,902 | 1,320,214 | 93,755 | 483,084 |
| 0-34 years | 9,905,270 | 7,855,968 | 1,412,512 | 91,006 | 545,784 |
| 5–39 years | 10,949,346 | 8,812,256 | 1,524,550 | 90,394 | 522,146 |
| 0-44 years | 11,519,339 | 9,413,416 | 1,512,458 | 90,717 | 502,748 |
| 5–49 years | 10,393,696 | 8,572,211 | 1,300,698 | 78,420 | 442,367 |

NOTE: These population counts are projected from the 1990 census; see Technical Notes.

SOURCE: U.S. Census Bureau. See reference 7.

Table III. Estimated total population by specified Hispanic origin and estimated female population by age and specified Hispanic origin and by race for women of non-Hispanic origin: United States, 2001

[Populations estimated as of July 1]

| | Hispanic | | | | | Non-Hispanic | | |
|------------------|------------|---------|--------------|-------|--------------------------------|--------------------|-------------|------------|
| Age | Total | Mexican | Puerto Rican | Cuban | Other Hispanic ¹ | Total ² | White | Black |
| Total population | 33,580,089 | | | | | 244,159,668 | 197,247,498 | 33,867,772 |
| 15–44 years | 7,915,469 | | | | | 52,224,115 | 40,737,072 | 8,272,507 |
| 10–14 years | 1,485,159 | | | | | 8,395,312 | 6,381,537 | 1,510,992 |
| 15–19 years | 1,404,972 | | | | | 8,337,453 | 6,409,702 | 1,435,133 |
| 15–17 years | 827,199 | | | | | 4,933,323 | 3,788,153 | 848,462 |
| 18–19 years | 577,773 | | | | | 3,404,130 | 2,621,549 | 586,671 |
| 20–24 years | 1,389,655 | | | | | 7,908,594 | 6,073,152 | 1,364,829 |
| 25–29 years | 1,303,247 | | | | | 7,421,708 | 5,637,565 | 1,249,912 |
| 30–34 years | 1,321,283 | | | | | 8,583,987 | 6,656,246 | 1,335,639 |
| 35–39 years | 1,320,324 | | | | | 9,629,022 | 7,614,051 | 1,444,897 |
| 40–44 years | 1,175,988 | | | | | 10,343,351 | 8,346,356 | 1,442,097 |
| 45–49 years | 940,263 | | | | | 9,453,433 | 7,718,844 | 1,244,594 |

- - - Data not available.

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

²Includes races other than white and black.

NOTE: These population counts are projected from the 1990 census; see Technical Notes.

SOURCE: U.S. Census Bureau. See reference 7.

2001 provided by the U.S. Bureau of the Census (30) which have been adjusted to July 2001 population levels (7) by the Division of Vital Statistics, NCHS (31,134). The 2001 population levels are consistent with the 1990 census. Birth and fertility rates for the Hispanic population, shown in tables 6, 8, 9, and 14, are based on estimates of the total Hispanic population as of July 1, 2001 (7).

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 (0.6 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.

Age of father—Information on age of father is often missing on birth certificates of children born to unmarried women (table I). In computing birth rates by age of father, births where age of father is not stated are distributed in the same proportions as births with known age within each 5-year-age classification of mother. This procedure is followed because, while father's age is missing on 13 percent of all birth certificates, the age is missing from more than a third of records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

Graphic presentation

Trend data shown in figures 2, 6, and 11 are plotted using a logarithmic scale. This approach is taken to facilitate comparison of the relative change in rates over time for each series of rates as well as the differentials among rates for different series. The trend lines in figure 2, for example, show that women aged 40–44 years experienced the most change of any group over the period, and also that they had the greatest increase in rates since 1985.

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

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

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

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

95-percent confidence limits for numbers less than 100

When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution (140). Confidence limits are estimated using the following formulas:

Lower limit = $B \times L$ Upper limit = $B \times U$ where

B = number of births

L = value in table IV that corresponds to the number of events BU = value in table IV that corresponds to the number of events B

Example

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

= 63

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

95-percent confidence limits for numbers of 100 or more

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

Lower limit = $B - (1.96 x \sqrt{B})$ Upper limit = $B + (1.96 x \sqrt{B})$

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:

Lower limit =
$$14,108 - (1.96 \times \sqrt{14,108})$$

= $14,108 - 233$
= $13,875$
Upper limit = $14,108 + (1.96 \times \sqrt{14,108})$
= $14,108 + 233$
= $14,341$

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. While this assumption is technically correct *only* for denominators based on the census that occurs every 10 years, the error in intercensal population estimates is usually small, difficult to measure,

| Ν | L | U | Ν | L | U |
|---|--------------------|---------|----|---------|---------|
| | 0.02532 | 5.57164 | 51 | 0.74457 | 1.31482 |
| | 0.12110 | 3.61234 | 52 | 0.74685 | 1.31137 |
| | 0.20622 | 2.92242 | 53 | 0.74907 | 1.30802 |
| | 0.27247 | 2.56040 | 54 | 0.75123 | 1.30478 |
| | 0.32470 | 2.33367 | 55 | 0.75334 | 1.30164 |
| | 0.36698 | 2.17658 | 56 | 0.75539 | 1.29858 |
| | 0.40205 | 2.06038 | 57 | 0.75739 | 1.29562 |
| | 0.43173 | 1.97040 | 58 | 0.75934 | 1.29273 |
| | 0.45726 | 1.89831 | 59 | 0.76125 | 1.28993 |
| | 0.47954 | 1.83904 | 60 | 0.76311 | 1.28720 |
| | 0.49920 | 1.78928 | 61 | 0.76492 | 1.28454 |
| | | 1.74680 | | | 1.28195 |
| | 0.51671 | | 62 | 0.76669 | |
| | 0.53246 | 1.71003 | 63 | 0.76843 | 1.27943 |
| | 0.54671 | 1.67783 | 64 | 0.77012 | 1.27698 |
| | 0.55969 | 1.64935 | 65 | 0.77178 | 1.27458 |
| | 0.57159 | 1.62394 | 66 | 0.77340 | 1.27225 |
| | 0.58254 | 1.60110 | 67 | 0.77499 | 1.26996 |
| | 0.59266 | 1.58043 | 68 | 0.77654 | 1.26774 |
| | 0.60207 | 1.56162 | 69 | 0.77806 | 1.26556 |
| | 0.61083 | 1.54442 | 70 | 0.77955 | 1.26344 |
| | 0.61902 | 1.52861 | 71 | 0.78101 | 1.26136 |
| | 0.62669 | 1.51401 | 72 | 0.78244 | 1.25933 |
| | 0.63391 | 1.50049 | 73 | 0.78384 | 1.25735 |
| | 0.64072 | 1.48792 | 74 | 0.78522 | 1.25541 |
| | 0.64715 | 1.47620 | 75 | 0.78656 | 1.25351 |
| | 0.65323 | 1.46523 | 76 | 0.78789 | 1.25165 |
| | 0.65901 | 1.45495 | 77 | 0.78918 | 1.24983 |
| | 0.66449 | 1.44528 | 78 | 0.79046 | 1.24805 |
| | 0.66972 | 1.43617 | 79 | 0.79171 | 1.24630 |
| | 0.67470 | 1.42756 | 80 | 0.79294 | 1.24050 |
| | 0.67945 | 1.41942 | | 0.79414 | 1.24459 |
| | | | 81 | | |
| | 0.68400 | 1.41170 | 82 | 0.79533 | 1.24126 |
| | 0.68835 | 1.40437 | 83 | 0.79649 | 1.23965 |
| | 0.69253 | 1.39740 | 84 | 0.79764 | 1.23807 |
| | 0.69654 | 1.39076 | 85 | 0.79876 | 1.23652 |
| | 0.70039 | 1.38442 | 86 | 0.79987 | 1.23499 |
| | 0.70409 | 1.37837 | 87 | 0.80096 | 1.23350 |
| | 0.70766 | 1.37258 | 88 | 0.80203 | 1.23203 |
| | 0.71110 | 1.36703 | 89 | 0.80308 | 1.23059 |
| | 0.71441 | 1.36172 | 90 | 0.80412 | 1.22917 |
| | 0.71762 | 1.35661 | 91 | 0.80514 | 1.22778 |
| | 0.72071 | 1.35171 | 92 | 0.80614 | 1.22641 |
| | 0.72370 | 1.34699 | 93 | 0.80713 | 1.22507 |
| | 0.72660 | 1.34245 | 94 | 0.80810 | 1.22375 |
| | 0.72941 | 1.33808 | 95 | 0.80906 | 1.22245 |
| | 0.73213 | 1.33386 | 96 | 0.81000 | 1.22117 |
| | 0.73476 | 1.32979 | 97 | 0.81093 | 1.21992 |
| | 0.73732 | 1.32585 | 98 | 0.81185 | 1.21868 |
| | | 1.32205 | 90 | 0.81275 | 1.21746 |
| | 0.73981 0.74222 | 1.32205 | JJ | 0.012/5 | 1.21/40 |

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

and therefore not considered. (See however, discussion of "population denominators" earlier in the Technical Notes.)

Lower limit = $R \times L$

Upper limit = $R \times U$

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

When the number of events in the numerator is less than 20, an asterisk is shown in place of the rate because there were too few births to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100, the confidence interval for a rate can be estimated using the two formulas that follow and the values in table IV.

R = birth rate

L = value in table IV that corresponds to the number of events BU = value in table IV that corresponds to the number of events B

Example

where

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

Lower limit = 0.50 x 0.73476 = 0.37

Upper limit = 0.50 x 1.32979 = 0.66

This means that the chances are 95 out of 100 that the actual first birth rate for American Indian women 40–44 years of age 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:

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

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

where

R = the birth rate B = the number of births

Example

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

Lower limit =
$$1.55 - [1.96 \times (1.55 / \sqrt{14,108})]$$

= $1.55 - 0.026$
= 1.52
Upper limit = $1.55 + [1.96 \times (1.55 / \sqrt{14,108})]$
= $1.55 + 0.026$
= 1.58

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

Computing 95-percent confidence intervals for percents

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

 $B \ge 5$ and $B \ge 5$

where

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

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

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

where

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

Example

Suppose that the percent of births to Hispanic women in Arizona that were to unmarried women was 49.7 percent. This was based on 14,751 births in the numerator and 29,682 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

29,682 x 0.497 = 14,752 29,682 x (1 - 0.497) = 29,682 x 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:

Lower limit =
$$0.497 - [1.96 \times (\sqrt{0.497} \times 0.503 / 29,682)]$$

= $0.497 - 0.006$
= 0.491 or 49.1 percent
Upper limit = $0.497 + [1.96 \times (\sqrt{0.497} \times 0.503 / 29,682)]$

= 0.497 + 0.006= 0.503 or 50.3 percent

This means that the chances are 95 out of 100 that the actual percent 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 American Indian women 40–44 years of age was 0.70 per 1,000 in year X and 0.50 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 47 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 0.37 | 0.90 0.66 |

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

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.

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

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 = .47. The statistic is then calculated as follows:

$$1.96\sqrt{\frac{1.08^{2}}{1,535} + \frac{1.55^{2}}{14,108}}$$

= 1.96 x \sqrt{([1.166/1,535] + [2.403/14,108])}
= 1.96 x \sqrt{0.00076 + 0.00017}
= 1.96 x \sqrt{0.00093}
= 1.96 x 0.03
= 0.06

The difference between the rates (.47) is greater than this statistic (.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

Testing differences between two percents

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

 $B \ge p \ge 5$ and $B \ge q \ge 5$

where

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

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

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

where

 B_1 = number of births in the denominator for the first percent B_2 = number of births in the denominator for the second percent

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

 p_1 = the first percent

 p_2 = the second percent

Example

Is the percent of births to Hispanic women that were to unmarried women higher in New Mexico (50.2) than in Arizona (49.7)? Suppose that the number in the denominator was 13,714 in New Mexico and 29,682 in Arizona. The necessary conditions are met for both percents (calculations not shown). The difference between the two percents is .502- .497 = .005. The statistic is then calculated as follows:

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

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

Information on computing confidence intervals for and testing differences between rates for Hispanic subgroups is available elsewhere (4).

Definitions of medical terms

The 1989 revision of the U.S. Standard Certificate of Live Birth includes several maternal and infant health items in checkbox format, including obstetric procedures, medical risk factors, complications of labor and delivery, abnormal conditions of the newborn, and congenital anomalies of the child (figure I). The definitions which follow are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association of Public Health Statistics and Information Systems, formerly known as the Association for Vital Records and Health Statistics (141).

Medical risk factors for this pregnancy

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

Cardiac disease—Disease of the heart.

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

Diabetes—Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy. *Genital herpes*—Infection of the skin of the genital area by herpes simplex virus.

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

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

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

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

Eclampsia—The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

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

Previous infant 4,000+ grams—The birthweight of a previous live-born child was over 4,000+ grams (8 pounds 14 ounces).

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

Renal disease-Kidney disease.

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

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

Obstetric procedures

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

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

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

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

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

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

Complications of labor and/or delivery

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Abnormal conditions of the newborn

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

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

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

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

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

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

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

Seizures-A seizure of any etiology.

Congenital anomalies of child

Anencephalus-Absence of the cerebral hemispheres.

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

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

Microcephalus-A significantly small head.

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

Heart malformations-Congenital anomalies of the heart.

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

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

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

Omphalocele/Gastroschisis—An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

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

Malformed genitalia—Congenital anomalies of the reproductive organs.

Renal agenesis—One or both kidneys are completely absent.

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

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

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

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

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

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

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

Other chromosomal anomalies—All other chromosomal aberrations.

Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics of reports published in the past 5 years include Hispanic origin births (133); twin births (121); trends in teenage births (9, 142); cesarean deliveries (91), attendant at birth, place of delivery, and obstetric procedures (79, 81); births to unmarried mothers (31); trends in pregnancies and pregnancy rates (10,11), and trends in smoking (48).

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