

---

# Vital and Health Statistics

---

## Birth and Fertility Rates by Education: 1980 and 1985

Series 21:  
Data on Natality, Marriage, and Divorce  
No. 49

Birth and fertility rates by educational attainment of mother are shown for the United States, geographic regions and divisions, and States for 1980 and 1985. The report focuses on differentials in childbearing among educational attainment groups and changes in fertility levels during the period, particularly for well-educated older mothers. The information presented is derived from entries on live-birth certificates from 47 States and the District of Columbia.

---

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

Hyattsville, Maryland  
October 1990  
DHHS Publication No. (PHS) 91-1927

### Copyright information

All material appearing in this report is in the public domain and may be reproduced or copied without permission; citation as to source, however, is appreciated.

---

### Suggested citation

Lewis C, Ventura S. Birth and fertility rates by education: 1980 and 1985. National Center for Health Statistics. Vital Health Stat 21(49). 1990.

---

### Library of Congress Cataloging-in-Publication Data

Birth and fertility rates by education : 1980 and 1985.

p. cm.—(Vital and health statistics. Series 21, Data on natality, marriage, and divorce ; no. 49) (DHHS publication ; no. (PHS) 91-1927)

By Caroline Lewis and Stephanie Ventura.

Includes bibliographical references.

ISBN 0-8406-0437-8

1. Childbirth—United States—Statistics. 2. Fertility, Human—United States—Statistics. 3. Education—United States—Statistics. I. Lewis, Caroline. II. Ventura, Stephanie J. III. Series. IV. Series: Vital and health statistics. Series 21, Data from the National Vital Statistics System ; no. 49.

[DNLN: 1. Birth Rate—United States—statistics. 2. Educational Status—United States—statistics. 3. Fertility—United States—statistics. 4. Maternal Age—United States—statistics.]

HA211.A3 no. 49

[HB915]

304.6'3'0973021 s—dc20

[304.6'3'0973021]

DLC

for Library of Congress

90-6598

CIP

---

## **National Center for Health Statistics**

Manning Feinleib, M.D., Dr.P.H., *Director*

Robert A. Israel, *Deputy Director*

Jacob J. Feldman, Ph.D., *Associate Director for Analysis and Epidemiology*

Gail F. Fisher, Ph.D., *Associate Director for Planning and Extramural Programs*

Peter L. Hurley, *Associate Director for Vital and Health Statistics Systems*

Stephen E. Nieberding, *Associate Director for Management*

Charles J. Rothwell, *Associate Director for Data Processing and Services*

Monroe G. Sirken, Ph.D., *Associate Director for Research and Methodology*

David L. Larson, *Assistant Director, Atlanta*

## **Division of Vital Statistics**

John E. Patterson, *Director*

James A. Weed, Ph.D., *Deputy Director*

Robert L. Heuser, M.A., *Chief, Natality, Marriage and Divorce Statistics Branch*

Joseph D. Farrell, *Chief, Systems and Programming Branch*

Mabel G. Smith, *Chief, Statistical Resources Branch*

# Contents

Introduction and summary of findings .....	1
Differentials .....	2
Marital status .....	3
Race .....	4
Trends .....	6
Proportions .....	7
Rates by specified race and geographic area .....	8
Measures of fertility .....	9
General fertility rate .....	9
Age-specific birth rate .....	9
Age-order-specific birth rate .....	9
Birth probability .....	9
References .....	10
List of detailed tables .....	11
<b>Appendixes</b>	
I. Sources of data .....	39
II. Reliability of rates .....	40
<b>List of text figures</b>	
1. Birth rates by age and educational attainment of mother: Total of 47 reporting States and the District of Columbia, 1985 .....	2
2. First-birth rates by age and educational attainment of mother: Total of 47 reporting States and the District of Columbia, 1985 .....	3
3. First-birth probabilities by age and educational attainment of mother: Total of 47 reporting States and the District of Columbia, 1985 .....	3
4. Birth rates for married mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985 .....	4
5. First-birth rates for married mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985 .....	4
6. Birth rates for unmarried mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985 .....	5
7. First-birth rates for unmarried mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985 .....	5

---

### Symbols

- - - Data not available
  - . . . Category not applicable
  - Quantity zero
  - 0.0 Quantity more than zero but less than 0.05
  - Z Quantity more than zero but less than 500 where numbers are rounded to thousands
  - \* Figure does not meet standards of reliability or precision
-

# Birth and Fertility Rates by Education: 1980 and 1985

by Caroline Lewis and Stephanie Ventura,  
Division of Vital Statistics

## Introduction and summary of findings

The findings in this report suggest that college graduates are postponing childbearing to a period after what are considered the prime childbearing years to pursue further education and careers. Overall, women in their early twenties with college degrees experience lower levels of fertility relative to their counterparts with fewer years of education. Conversely, women in their thirties and early forties with 16 years or more of education have higher fertility rates than their less educated counterparts. Trend data provide further evidence that this postponement is continuing. From 1980 to 1985, the first-birth rate for women in their early twenties with college degrees fell 27 percent (from 39.7 to 28.9 per 1,000 women) while this rate rose 19 percent (from 29.8 to 35.6) for college graduates 30–34 years of age and 42 percent (from 6.6 to 9.4) for those 35–39 years of age. First-birth rates for older women with less education increased as well but generally rose less than did the rates for college graduates. These changes in first-birth rates from 1980 to 1985 led to an increasing proportion of first births to older women being to better educated women. No consistent relationships between educational attainment and fertility were observed for women who were not college graduates.

In many studies of fertility behavior, such as number of children ever born, timing of childbearing, and contraceptive use, the mother's educational attainment has been used as a measure of socioeconomic status. In these studies, differentials among women according to such characteristics as the number of children they have had and the interval between pregnancies are explored in terms of the women's educational attainment. This report, on the other hand, focuses on differences in levels of fertility among women according to their educational attainment, using various population-based rates for 1980 and 1985. Educational attainment has long been considered the most important socioeconomic differential in fertility patterns.

Fertility differentials among population groups are affected in part by differences in age, marital status, educational attainment, and racial composition. Detailed population data from the 1980 decennial census and the June 1985 Current Population Survey permit computation of fertility measures that control for these compositional differences. Birth data on the mother's educational attainment are derived from information on the birth certificate. The measures of fertility used in this report are the general fertility rate, age-specific birth rate, age-order-specific birth rate, and first-birth probability. (For definitions, see "Measures of fertility.")

Rates by educational attainment of mother are shown for the United States, geographic regions and divisions, and States. California, Texas, and Washington are not included in this analysis because these States do not include educational attainment on their birth certificates. Because of the omission of California and Washington from this analysis, caution should be exercised when comparing the West Region and the Pacific Division with other areas. Data for the black population for these geographic areas have been omitted altogether because of the absence of these two populous States from the analysis. Caution also should be exercised when making comparisons with the South Region and West South Central Division because Texas is excluded from this analysis. Caution should again be exercised in cases where the rates are based on small numbers of births and/or populations. This topic is discussed in appendixes I and II.

More data are presented for 1980 than for 1985 because population data for 1980 are derived from a very large sample of the decennial census, whereas 1985 data are derived from the more limited Current Population Survey.

# Differentials

Age-specific birth rates for 1985 according to educational attainment of mother are shown in figure 1. (Detailed data for 1980 and 1985 are presented in table 1.) There is no consistent relationship between education and fertility for all age groups. Rather, the relationships appear to vary depending upon the age group considered. For ages 20–24, the rates generally decline with higher education. For women ages 30–44 years, the fertility pattern is generally a U-shaped curve with rates declining from 0–8 to 9–11 years of school and then increasing as educational attainment advances through 16 years or more of schooling. Well-educated women in their early twenties are more likely to delay marriage and family formation as they become established in their careers. In 1988, 91 percent of women ages 18–24 years who were college graduates were childless (1). In contrast, many highly educated women ages 30 years and over who had delayed the start of their families are now experiencing relatively high fertility. It is important to note that their fertility levels are relatively high because it is clear from figures 1 and 2 that birth rates are still highest for women in their twenties, regardless of educational attainment. Consequently, this does not suggest that well-educated women in their thirties will have

larger completed families than their less educated counterparts, but rather reflects the fact that in recent years those women in their thirties who are having their first child tend to be very well educated (2).

Rates for women ages 25–29 years tend to be highest for women with 1–3 years of college. Rates for teenage mothers 15–19 years of age are highest for those who have completed 12 years of education. Because many teenagers have not yet completed all the schooling that they intend to get, their rates are not as meaningful as rates for other age groups and consequently are not shown in the figures or discussed further in the text.

Age-specific first-birth rates for 1985 are presented according to educational attainment of mother in figure 2. (Detailed data are shown in table 2.) The relationships between education and fertility for first births are similar to those shown in figure 1 for all births. The first-birth rate for women 20–24 years of age increases with education until completion of high school and then declines for higher levels of education. For mothers ages 25–44 years, first-birth rates are generally higher for better educated women.

Figure 3 presents first-birth probabilities for childless women by age and educational attainment. (Detailed data

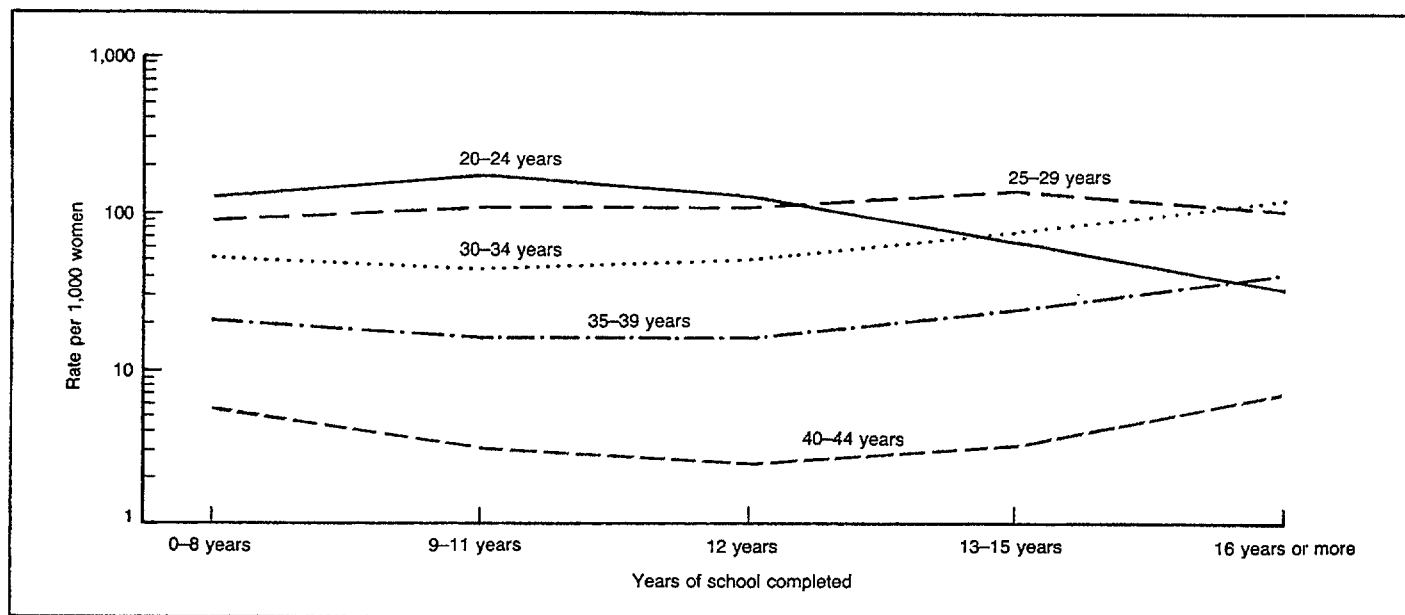


Figure 1. Birth rates by age and educational attainment of mother: Total of 47 reporting States and the District of Columbia, 1985

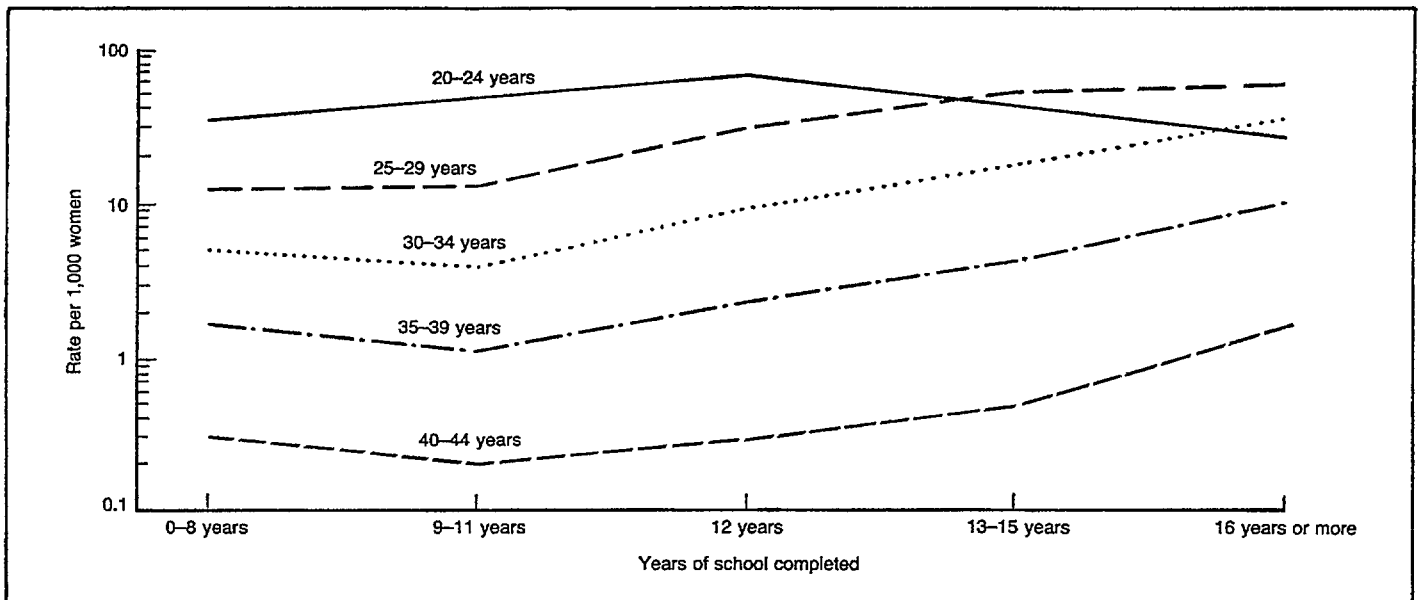


Figure 2. First-birth rates by age and educational attainment of mother: Total of 47 reporting States and the District of Columbia, 1985

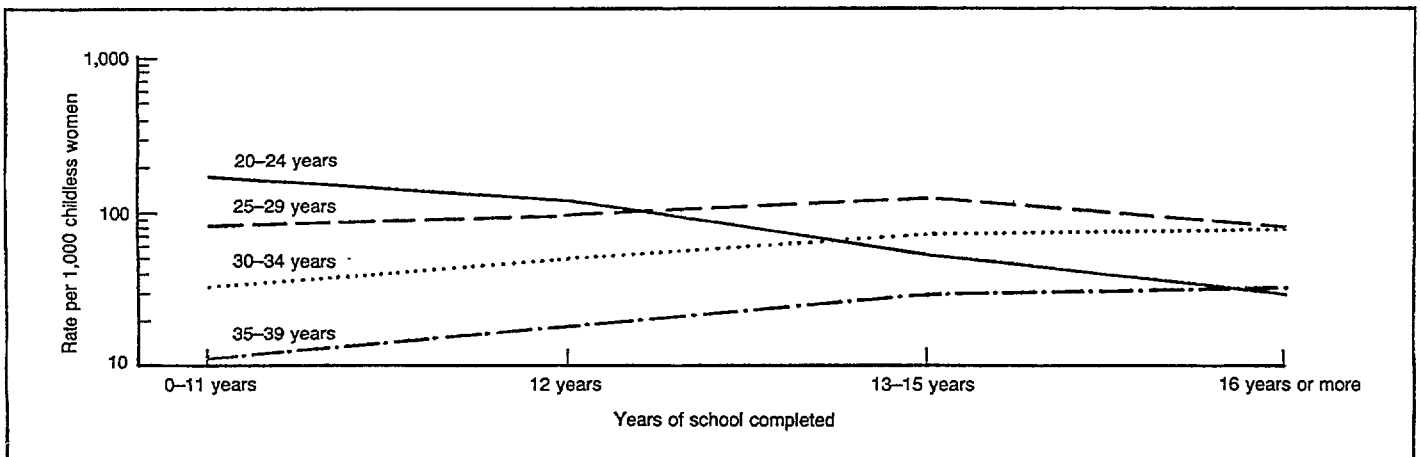


Figure 3. First-birth probabilities by age and educational attainment of mother: Total of 47 reporting States and the District of Columbia, 1985

are shown in table 3.) The first-birth probability is a refinement of the first-birth rate in that it relates first births only to childless women, that is, women "at risk" of having a first birth. For all childless women ages 20-24 years, first-birth probabilities are lower for better educated women than for those with less education. For women ages 25-29 years, first-birth probabilities are fairly constant at a high level for each educational attainment level. For childless women in their thirties, the chance of having a first baby increases with education, as shown in figure 3.

The increase in the first-birth probability for women in their thirties who are college graduates compared with that for women with 1-3 years of college is considerably smaller, however, than the increase in the first-birth rate for college graduates relative to those with 1-3 years of college. (See figures 2 and 3.) The greater differential in the first-birth rate according to educational attainment reflects the fact that a substantially larger proportion of college graduates than women with some college are childless. First-birth

rates for college graduates, therefore, tend to be elevated above rates for women with less education.

### Marital status

Figures 4-7 show the relationships between educational attainment and fertility for married and unmarried mothers. (Detailed data are shown in tables 4 and 5.) For married mothers, the relationships observed are similar to those shown in figures 1 and 2 for all mothers. In general, fertility increases as educational attainment levels rise. Both the age-specific birth rates and the age-specific first-birth rates indicate this positive relationship. The opposite is true for unmarried mothers, as indicated in figure 6. For unmarried mothers, the relationship is largely a negative one, with fertility declining for almost every age group as education increases. The low fertility of well-educated unmarried women is an indication of their postponement of marriage and childbearing to pursue education and careers. Almost



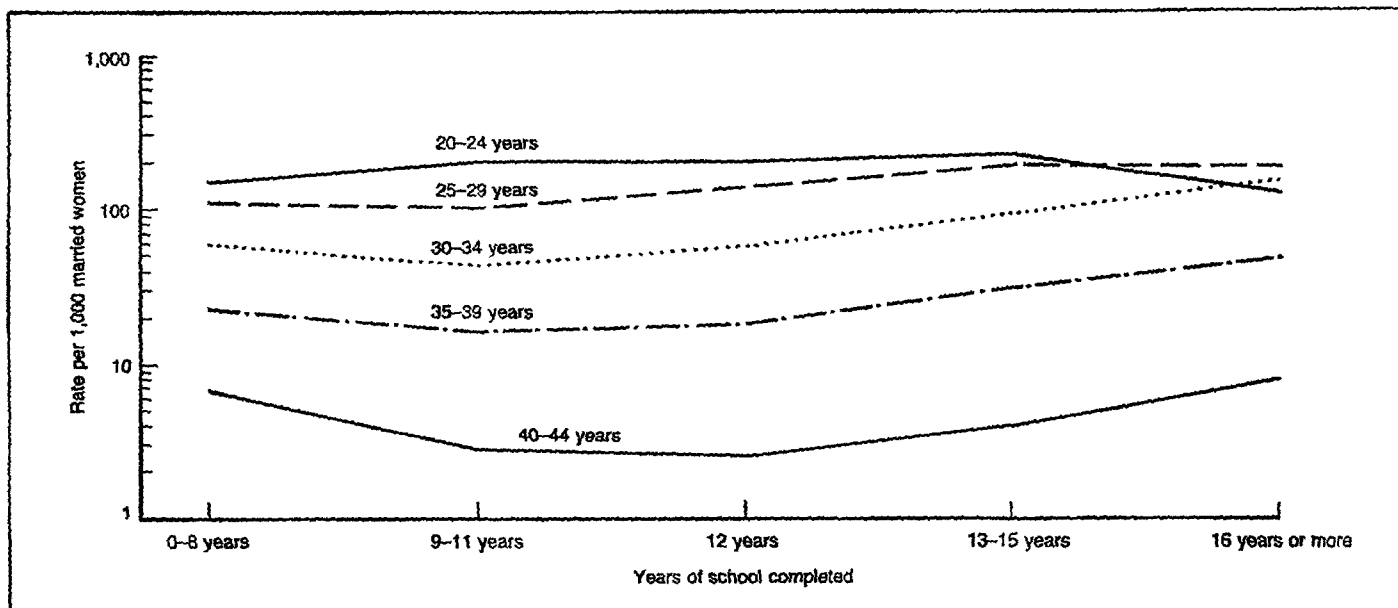


Figure 4. Birth rates for married mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985

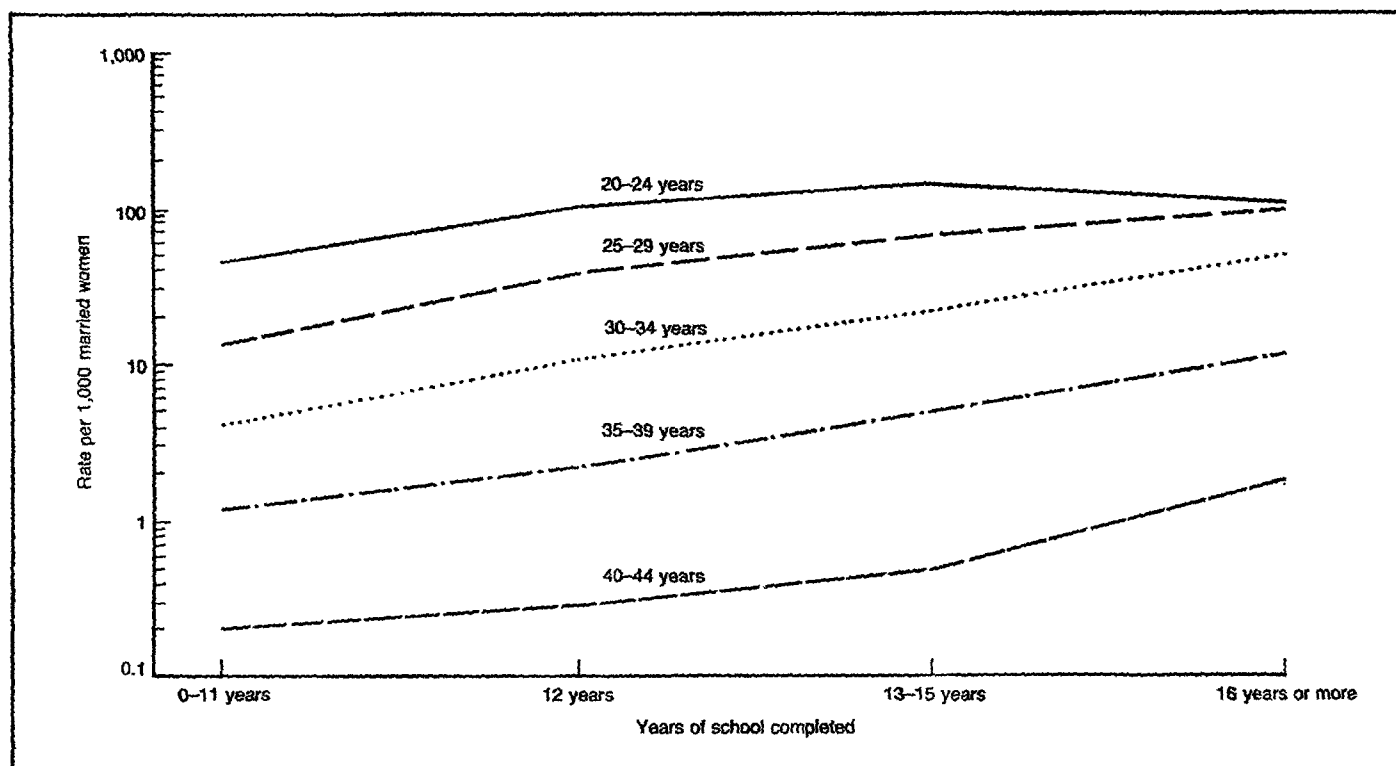


Figure 5. First-birth rates for married mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985

one-third of college-educated women ages 25-34 in 1985 had never married, compared with only 16 percent of high school graduates of the same age (3).

The age-specific first-birth rates for unmarried mothers shown in figure 7 have a somewhat different pattern. For unmarried mothers ages 20-24 years, first-birth rates decline with increasing educational attainment. However, this negative relationship progressively reverses itself as each older age group is examined. For mothers ages 30-44

years, first-birth rates generally increase with rising levels of educational attainment, perhaps suggesting that these older mothers who have postponed marriage and childbearing to pursue education and careers are now compensating somewhat for their postponement.

### Race

In both 1980 and 1985, the general fertility rate for black women was one-third or more higher than the rate

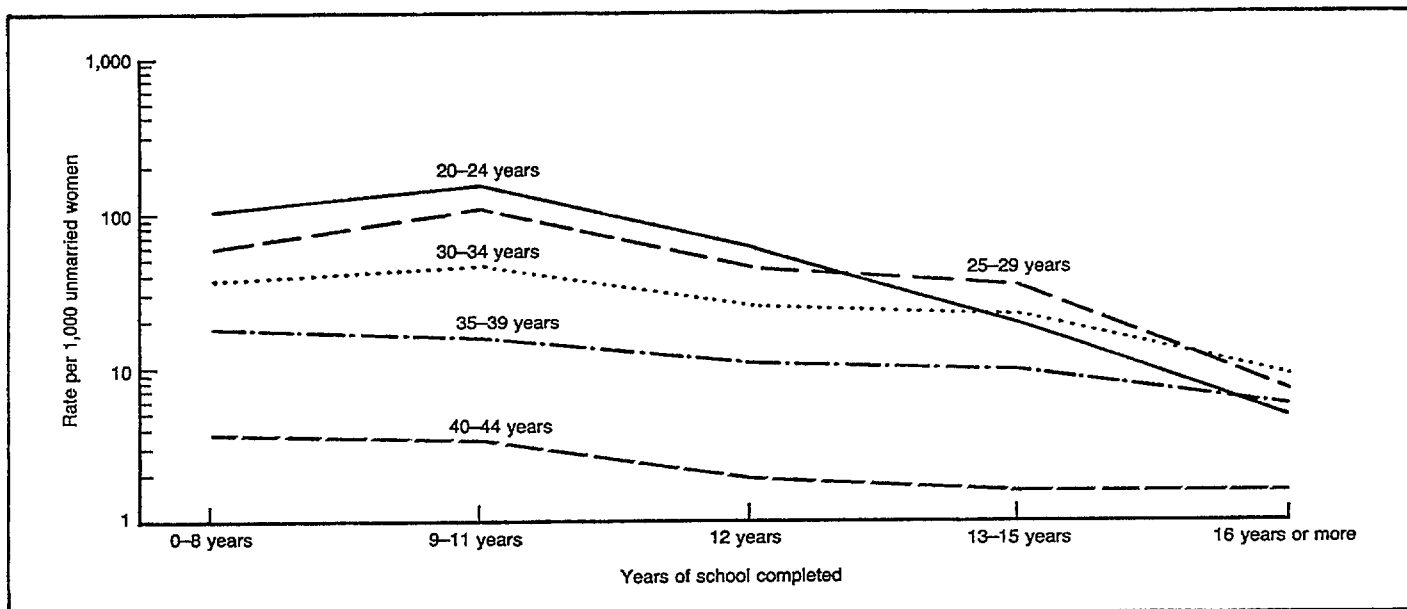


Figure 6. Birth rates for unmarried mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985

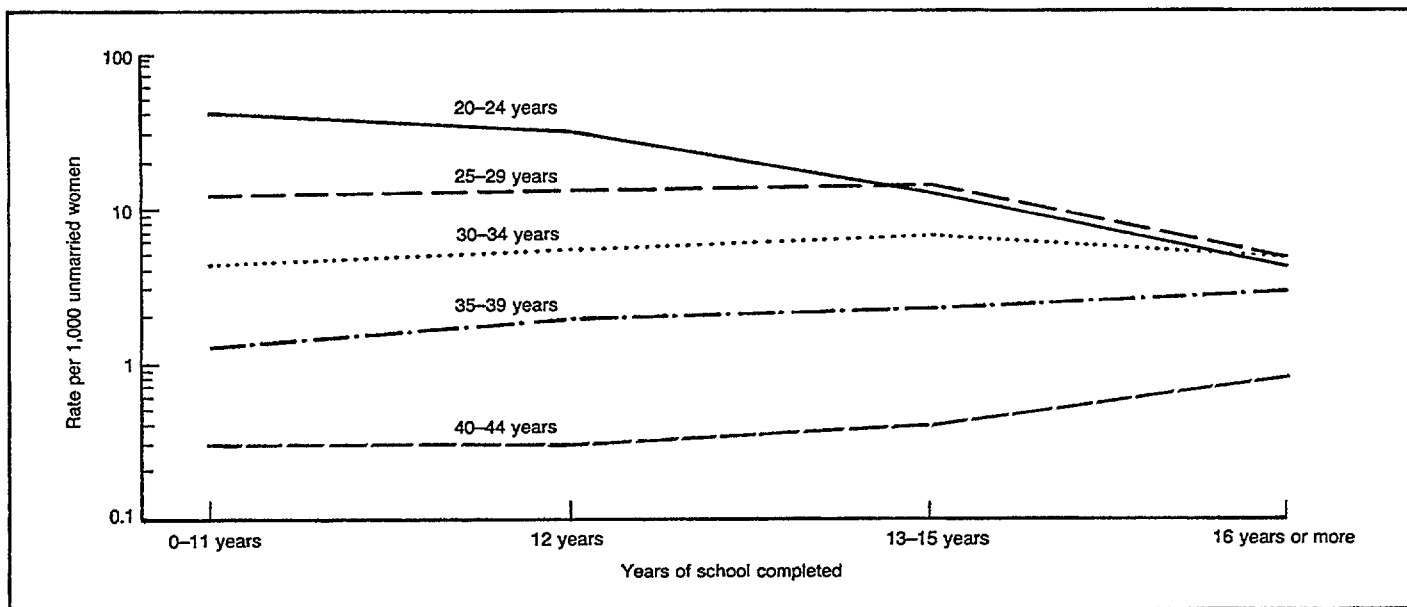


Figure 7. First-birth rates for unmarried mothers by age and educational attainment: Total of 47 reporting States and the District of Columbia, 1985

for white women. In most cases, the rates for black women by educational attainment and age also were higher than those for white women in the same group. The most notable exceptions were those observed for women ages 25-29 and 30-34 years who had some college education or who were college graduates. Birth rates were higher for white women in these groups (table 1).

Additional racial differentials were observed when birth rates were examined for married and unmarried mothers (table 4). Among married women with less than 12 years of education, rates for white women were over one-third higher than those for black women. However, for

women with at least a high school education, the rates were about the same for married white and black women. Because many of the rates for married black women are based on small numbers, it is not possible to compare rates by age as well as educational attainment.

Among unmarried women, rates for almost every age and educational attainment group were substantially higher for black than for white women. Much of the racial differential in overall rates by educational attainment can be explained by the much higher rates for black than for white unmarried women in almost every age-education group.

# Trends

Among women in their early twenties, the overall birth rate declined slightly from 1980 to 1985, from 113.0 to 106.7 per 1,000. Similar declines were observed for each educational attainment group with 12 years or more of education. The most pronounced decline was for college graduates. The rate for this group fell 26 percent, from 49.1 to 36.2 per 1,000. This suggests that young college graduates may be postponing their childbearing. (See table 1.) Increases in birth rates were noted for women ages 20–24 years with 0–11 years of education.

Among women in their late twenties, the overall rate declined slightly, but the changes in each educational attainment group varied considerably. Rates for women with less than a high school education increased an average of 17 percent. The rate for high school graduates fell about 6 percent. Among women with some college the rate increased 8 percent, but it declined 13 percent for college graduates.

The increase in the overall birth rate for women in their early thirties reflects considerable increases for women with less than a high school education as well as for those with 1 year or more of college. The rate for high school graduates increased very slightly. The patterns were similar for women in their late thirties, except that the increase in rates for those with less than a high school education was very modest.

Age-order-specific birth rates indicate that the rise for women in their thirties is primarily due to a rise in first-birth rates for those women with 13–15 and 16 years or more of education. (See table 2.) For example, the first-birth rate for women ages 30–34 years with 16 years or more of education rose from 29.8 births per 1,000 women in 1980 to 35.6 in 1985, an increase of 19 percent. The

rate for women ages 35–39 years who were college graduates rose from 6.6 in 1980 to 9.4 in 1985, an increase of 42 percent. Compared with college graduates in their thirties, greater proportional increases were observed for those older mothers with 13–15 years of education, but the actual rates were lower for these women. Increases in first-birth rates were observed as well for women in their thirties who had completed 12 years or fewer of schooling, but the rates were much lower than those for mothers with at least some college, averaging not more than 9 births per 1,000 women.

First-birth rates for college-educated mothers in their twenties declined during the period. This decline appears to be a continuation of a trend from 1970 (2). The first-birth rate for women ages 20–24 years with 16 years or more of education declined 27 percent, from 39.7 first births per 1,000 women in 1980 to 28.9 in 1985. The rate for college graduates ages 25–29 years fell 12 percent, from 65.8 per 1,000 in 1980 to 58.1 in 1985.

These declines in first-birth rates for college-educated women in their twenties appear to confirm that these women are postponing motherhood to pursue further education and careers. The increases in first-birth rates for women in their thirties who have completed college suggest that these highly educated women are compensating for earlier postponements of childbearing.

The first-birth rate for women ages 20–24 years who had completed high school declined 9 percent, whereas for those with less than a high school education, the rates increased 3–9 percent. Among women in their late twenties, the first-birth rate for high school graduates increased just 2 percent, but for women with less than a high school education, the rates increased 20–43 percent.

# Proportions

In this report, differences in levels of fertility for several educational attainment groups have been examined. A more complete understanding of the implications of these rates may be obtained by examining the distribution of births by educational attainment of mother and the change in this distribution. For mothers ages 20–39 years, table 6 shows the number and percent distribution of all births and first births by educational attainment of mother for 1980, 1985, and 1988.

Although the educational attainment of the U.S. population as a whole rose from 1980 to 1985 (and has since leveled off), the educational attainment among mothers experiencing a first birth exceeded that of the general population in both 1980 and 1985. For example, among all women ages 35–39 years, the proportion with college degrees rose from 18 percent in 1980 to 24 percent in 1985, but for women ages 35–39 years having a first birth, this proportion increased from 44 percent in 1980 to 52 percent in 1985 (3,4). From 1985 to 1988 there was relatively little change in the educational attainment of the population as a whole or of first-time mothers (5). Although some of the rise in educational attainment levels from 1980 to 1985 for first-time mothers in their late thirties may be attributed to the increase in educational attainment of the general populace, the higher proportion

of college graduates among these mothers is also due to the greater increase in college graduates' first-birth rates compared with those of their less educated contemporaries.

Because population data for educational attainment groups often are not readily available, particularly for small areas, examination of the percent distributions of births and first births by educational attainment of mother provides an alternative method for gauging shifts in fertility levels for different groups and for analyzing changes in the educational attainment of women giving birth. These data are available annually in *Vital Statistics of the United States, Volume I—Natality*.

Higher levels of education are associated with more timely receipt of prenatal care and better birth weight outcome (2,6). Consequently, the increasing proportion of first births to older and better educated women has resulted in improved outcomes for some groups. For example, in 1988, of first births to college graduates ages 30–34 years, only 5.9 percent were low birth weight (less than 2,500 grams, or 5 pounds 8 ounces). Moreover, better educated women are much more likely to be well nourished; to have higher weight gains; and to curtail detrimental behaviors, such as smoking, during pregnancy—all of which could lead to improved birth outcome (7–9).

## Rates by specified race and geographic area

Rates by specified race and age are shown for 1980 (table 7). Geographic detail includes rates for regions by age for 1980 and 1985 (table 8) and also for divisions for 1980 and 1985 (table 9). Rates are shown for all States for 1980 (table 10) and for the 15 reporting States with the largest populations (as of the 1980 census) for 1985 (table 11). State-level rates by age for the 15 reporting States with the largest total populations in 1980 are shown only for 1980 (table 12). The number of live births and the population of women by age and educational attainment for 1980 and 1985 are provided in tables 13 and 14. Summary data are shown for each State for 1980 in table 15 and for the 15 largest States for 1985 in table 16.

Some geographic variations in fertility by educational attainment were observed. The fertility rates tended to be

highest in the West Region and its divisions and consistently lowest in the Northeast for all educational attainment categories (tables 8 and 9). The use of age-specific birth rates as comparative measures of fertility among the regions permits control for the age differences in the populations that may confound the analysis. Regional differences in fertility levels persisted for the educational attainment groups when the age-specific birth rates were examined.

The State tables indicate that the birth rates for white women were generally highest for those women who had completed college (tables 10 and 11). Among black women, the fertility levels were generally greatest for those with 12 years of schooling. Birth rates tended to be lowest for both white and black women with less than a high school education.

# Measures of fertility

## General fertility rate

The general fertility rate, often referred to simply as the fertility rate, is defined as the number of live births per 1,000 women of childbearing age (15–44 years). The fertility rate of 64.7 in 1985 indicates that there were 64.7 births per 1,000 women ages 15–44 years.

The fertility rate controls for differences among population groups or areas in the proportion of women of childbearing age in the population. However, differences in the age composition within the childbearing years can strongly influence the level of this rate and, therefore, affect intergroup and interarea comparisons.

## Age-specific birth rate

Age-specific rates control for differences in the age composition of populations within the childbearing ages. This rate relates the number of births to mothers of a given age to the female population of that age. For example, the 1985 rate of 49.7 for the age group 15–19 years (table 1) means that in 1985 there were 49.7 births per 1,000 women ages 15–19 years.

## Age-order-specific birth rate

In addition to age of mother, a characteristic useful for analyzing fertility is the order of birth of the child. Live-

birth order refers to the number of children born alive to the mother, including the present birth. The order-specific birth rate relates the number of births of a given live-birth order to the number of women ages 15–44 years residing in an area. An age-order-specific birth rate relates the number of births of a given birth order to women in a given age group to all women in that particular age group. For example, the 1985 first-birth rate of 38.4 for the age group 15–19 years (table 2) means that in 1985 there were 38.4 first births per 1,000 women ages 15–19 years.

## Birth probability

Birth probabilities are refinements of order-specific birth rates. An age-specific birth probability relates the number of births of a given birth order to women in a given age group to all women in that age group who are at risk of having a child of that order. For example, the first-birth probability of 78.9 for women ages 20–24 years in 1985 (table 3) indicates that there were 78.9 first births per 1,000 childless women of that age.

# References

1. U.S. Bureau of the Census. Fertility of American women, June 1988. Current population reports; series P-20, no 436. Washington: U.S. Department of Commerce. 1989.
2. Ventura SJ. Trends and variations in first births to older women, 1970-86. National Center for Health Statistics. Vital Health Stat 21(47). 1989.
3. U.S. Bureau of the Census. Educational attainment in the United States: March 1982 to 1985. Current population reports; series P-20, no 415. Washington: U.S. Department of Commerce. 1987.
4. U.S. Bureau of the Census. Educational attainment in the United States: March 1981 and 1980. Current population reports; series P-20, no 390. Washington: U.S. Department of Commerce. 1984.
5. U.S. Bureau of the Census. Educational attainment in the United States: March 1989 and 1988. Current population reports; series P-20. In preparation.
6. Taffel SM. Trends in low birth weight, United States, 1975-85. National Center for Health Statistics. Vital Health Stat 21(48). 1989.
7. Taffel SM. Maternal weight gain and the outcome of pregnancy, United States, 1980. Vital Health Stat 21(44). 1986.
8. Mosher W, Pratt W. Fecundity, infertility, and reproductive health in the United States, 1982. Vital Health Stat 23(14). 1987.
9. Prager K, Malin H, Spiegler D, et al. Smoking and drinking behavior before and during pregnancy of married mothers of live-born infants and stillborn infants. Public Health Rep 99(2):117-27. 1984.
10. National Center for Health Statistics. Vital statistics of the United States, 1980, vol I, natality (technical appendix). Washington: Public Health Service. 1984.
11. U.S. Bureau of the Census. Marital status and living arrangements, March 1985. Current population reports; series P-20, no 410. Washington: U.S. Department of Commerce. 1986.
12. U.S. Bureau of the Census. Preliminary estimates of the population of the United States, by age, sex, and race: 1970 to 1981. Current population reports; series P-25, no 917. Washington: U.S. Department of Commerce. 1982.
13. Griffin R. Personal communication. Washington: U.S. Bureau of the Census. 1989.

# List of detailed tables

1. Birth rates by educational attainment and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985 . . . . .	12	9. Fertility rates by educational attainment of mother and race of child: Total of 47 reporting States and the District of Columbia and each geographic division, 1980 and 1985 . . . . .	23
2. Birth rates by educational attainment and age of mother, live-birth order, and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985 . . . . .	13	10. Fertility rates by educational attainment of mother and race of child: 47 reporting States and the District of Columbia, 1980 . . . . .	24
3. First-birth probabilities for women 20–39 years of age by educational attainment and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1985 . . . . .	15	11. Fertility rates by educational attainment of mother and race of child: 15 largest reporting States, 1985 . . . . .	27
4. Birth rates by educational attainment, marital status, and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1985 . . . . .	16	12. Birth rates by educational attainment and age of mother and race of child: 15 largest reporting States, 1980 . . . . .	28
5. First-birth rates by educational attainment, marital status, and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1985 . . . . .	17	13. Live births by educational attainment and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985 . . . . .	34
6. Total live births and first births to women 20–39 years of age by age of mother and race of child and percent distribution by educational attainment of mother, according to age of mother and race of child: Total reporting areas, 1980, 1985, and 1988 . . . . .	18	14. Female population by educational attainment, age, and race: Total of 47 reporting States and the District of Columbia, 1980 and 1985 . . . . .	35
7. Birth rates by educational attainment and age of mother and specified race of child: Total of 47 reporting States and the District of Columbia, 1980 . . . . .	20	15. Live births by race of child and female population 15–44 years of age by race: 47 reporting States and the District of Columbia, 1980 . . . . .	36
8. Birth rates by educational attainment and age of mother and race of child: Each region of the United States, 1980 and 1985 . . . . .	21	16. Live births by race of child and female population 15–44 years of age by race: 15 largest reporting States, 1985 . . . . .	37



**Table 1. Birth rates by educational attainment and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985**

[Rates are live births per 1,000 women in specified group. Figures for educational attainment not stated are distributed]

Age of mother and race of child	1985							1980						
	Total	Years of school completed by mother						Total	Years of school completed by mother					
		Total	0-11 years						Total	0-11 years				
			0-8 years	9-11 years	12 years	13-15 years	16 years or more			0-8 years	9-11 years	12 years	13-15 years	16 years or more
<b>All races<sup>1</sup></b>														
15-44 years . . . . .	64.7	59.1	46.5	62.6	66.3	65.7	66.9	67.0	55.1	42.2	59.0	74.4	64.4	74.6
15-19 years . . . . .	49.7	44.8	31.3	47.8	70.9	23.8	*24.7	51.5	44.5	29.9	47.7	79.8	26.6	171.9
15-17 years . . . . .	30.1	29.2	20.5	31.4	45.8	*11.9	*	31.4	29.0	19.8	31.3	158.5	46.9	*
18-19 years . . . . .	78.1	114.2	*176.7	109.8	75.0	24.2	*24.7	80.3	109.3	124.1	107.8	75.7	26.4	179.7
20-24 years . . . . .	106.7	169.1	127.7	178.5	131.9	69.2	36.2	113.0	164.4	117.2	176.8	141.9	65.6	49.1
25-29 years . . . . .	110.7	102.9	91.3	106.4	106.0	133.6	102.8	112.6	87.7	77.8	91.3	113.3	123.4	117.6
30-34 years . . . . .	67.1	46.5	51.6	44.6	49.5	74.5	105.6	60.4	40.4	42.8	39.3	48.8	65.0	97.8
35-39 years . . . . .	22.7	17.4	20.9	15.7	15.7	25.1	37.1	18.9	17.0	20.6	15.3	15.3	19.5	31.4
40-44 years . . . . .	3.6	3.9	5.7	3.1	2.5	3.5	6.6	3.6	4.3	5.3	3.7	3.1	3.3	4.7
<b>White</b>														
15-44 years . . . . .	61.1	51.6	42.6	54.2	62.2	63.7	67.2	63.1	48.5	40.1	51.1	69.6	62.1	73.8
15-19 years . . . . .	39.8	35.9	29.3	37.2	57.3	17.3	*17.7	42.2	36.3	28.3	38.0	65.6	19.1	137.1
15-17 years . . . . .	21.8	21.2	17.4	22.1	31.9	*10.0	*	23.4	21.6	17.4	22.5	120.0	37.4	*
18-19 years . . . . .	65.9	106.8	*202.6	100.4	61.7	17.5	*17.7	68.9	101.2	132.3	98.2	62.9	18.9	144.4
20-24 years . . . . .	99.4	167.4	129.2	176.6	123.8	63.9	33.9	106.7	161.5	120.5	172.7	135.9	60.6	45.5
25-29 years . . . . .	111.0	96.7	89.4	98.8	106.3	137.3	103.3	112.5	83.7	77.9	85.8	112.0	125.4	117.5
30-34 years . . . . .	67.3	40.7	43.0	39.8	48.1	74.6	109.2	59.2	36.7	40.7	34.9	46.3	64.7	97.4
35-39 years . . . . .	21.7	14.3	17.0	12.9	14.3	24.3	37.0	17.6	14.8	18.9	13.0	13.9	18.7	30.0
40-44 years . . . . .	3.3	3.3	5.1	2.5	2.2	3.3	6.4	3.2	3.6	4.6	3.0	2.7	3.0	4.4
<b>Black</b>														
15-44 years . . . . .	81.6	84.2	54.1	92.1	86.8	75.6	62.4	87.2	78.7	44.0	89.6	103.6	76.9	77.5
15-19 years . . . . .	97.2	84.3	38.3	96.4	143.4	*74.2	*	99.6	83.5	34.9	96.6	170.8	75.0	394.7
15-17 years . . . . .	71.7	68.4	32.3	80.5	*164.7	*15.6	*	72.9	67.2	29.2	79.7	333.3	81.5	*
18-19 years . . . . .	132.0	134.5	*102.9	137.0	141.1	*79.1	*	140.3	138.9	86.4	144.4	159.0	74.9	394.7
20-24 years . . . . .	143.5	174.8	*110.0	184.3	168.9	98.8	62.3	144.7	168.4	87.5	185.3	173.4	95.1	81.9
25-29 years . . . . .	104.9	122.2	*97.5	127.5	97.3	112.6	96.8	108.2	93.7	61.8	103.2	115.7	108.3	111.8
30-34 years . . . . .	59.9	55.4	*63.9	53.4	52.3	71.5	74.5	61.1	48.5	41.9	51.0	61.0	62.1	91.4
35-39 years . . . . .	25.7	24.1	*27.5	22.9	22.6	28.8	34.3	24.7	22.3	22.5	22.2	24.5	23.2	37.1
40-44 years . . . . .	4.7	5.0	*5.5	4.8	4.5	3.8	*6.5	5.9	6.1	6.0	6.1	6.1	4.9	5.7

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

**Table 2. Birth rates by educational attainment and age of mother, live-birth order, and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985**

[Rates are live births per 1,000 women in specified group. Figures for live-birth order not stated are not distributed. Figures for educational attainment not stated are distributed]

Live-birth order, age of mother, and race of child	1985							1980						
	Years of school completed by mother							Years of school completed by mother						
	Total	0-11 years			12 years	13-15 years	16 years or more	Total	0-11 years			12 years	13-15 years	16 years or more
		Total	0-8 years	9-11 years					Total	0-8 years	9-11 years			
<b>All races<sup>1</sup></b>														
First births:														
15-44 years . . . . .	26.9	23.8	16.2	25.9	26.9	27.9	30.1	28.6	22.6	14.0	25.2	31.1	28.3	34.9
15-19 years . . . . .	38.4	32.9	20.5	35.5	58.4	21.5	*19.1	39.7	32.5	19.4	35.4	66.3	23.9	133.3
20-24 years . . . . .	51.9	43.4	33.1	45.7	66.2	44.9	28.9	55.6	41.3	30.4	44.2	72.9	43.4	39.7
25-29 years . . . . .	38.9	13.2	13.0	13.3	30.7	50.7	58.1	37.7	9.7	10.8	9.3	30.1	45.0	65.8
30-34 years . . . . .	16.4	4.1	5.0	3.8	9.3	17.7	35.6	12.1	3.0	3.7	2.7	7.3	12.6	29.8
35-39 years . . . . .	4.2	1.2	1.7	1.1	2.2	4.4	9.4	2.4	0.9	1.3	0.8	1.6	2.5	6.6
40-44 years . . . . .	0.5	0.2	0.3	0.2	0.3	0.5	1.5	0.3	0.2	0.2	0.1	0.2	0.3	0.8
Second and higher order births:														
15-44 years . . . . .	37.3	34.9	30.1	36.3	39.1	37.3	36.2	37.7	31.9	27.7	33.2	42.6	35.5	38.9
15-19 years . . . . .	11.0	11.7	10.6	11.9	11.9	2.1	*5.3	11.0	11.3	10.1	11.5	12.4	2.4	31.4
20-24 years . . . . .	54.1	125.0	94.0	132.0	64.8	23.8	6.9	56.3	121.8	85.9	131.3	67.7	21.5	8.7
25-29 years . . . . .	71.0	89.2	77.9	92.6	74.6	81.9	43.7	74.0	77.5	66.6	81.5	82.4	77.3	50.5
30-34 years . . . . .	50.2	42.1	46.4	40.5	39.8	56.3	69.1	47.7	37.1	38.8	36.4	41.1	51.9	67.1
35-39 years . . . . .	18.4	16.0	19.0	14.6	13.4	20.6	27.4	16.4	15.9	19.1	14.4	13.6	16.8	24.5
40-44 years . . . . .	3.1	3.7	5.3	2.9	2.2	3.0	5.0	3.3	4.1	5.0	3.6	2.8	3.0	3.9
<b>White</b>														
First births:														
15-44 years . . . . .	25.8	21.0	13.8	23.0	25.8	27.3	30.2	27.5	20.3	12.9	22.6	30.0	27.5	34.6
15-19 years . . . . .	31.9	27.1	18.9	28.8	49.7	16.0	*15.0	33.8	27.4	18.3	29.3	57.1	17.8	110.7
20-24 years . . . . .	51.0	46.5	34.2	49.5	65.3	42.6	27.3	55.7	44.6	32.5	48.0	73.4	41.4	37.4
25-29 years . . . . .	40.8	13.3	11.7	13.8	32.2	53.6	58.5	39.7	10.0	10.8	9.8	31.4	47.3	66.1
30-34 years . . . . .	17.2	3.8	3.8	3.7	9.6	18.2	36.8	12.4	2.9	3.5	2.6	7.2	12.7	29.7
35-39 years . . . . .	4.2	1.1	1.3	1.0	2.1	4.4	9.4	2.3	0.9	1.2	0.7	1.5	2.4	6.3
40-44 years . . . . .	0.5	0.2	0.3	0.2	0.3	0.5	1.4	0.3	0.2	0.2	0.1	0.2	0.3	0.8
Second and higher order births:														
15-44 years . . . . .	34.9	30.4	28.6	30.9	36.0	35.9	36.4	35.0	27.7	26.8	28.0	39.0	34.0	38.4
15-19 years . . . . .	7.5	8.5	10.2	8.1	7.1	1.1	*2.7	7.8	8.4	9.6	8.2	7.7	1.1	*21.1
20-24 years . . . . .	47.8	120.0	94.5	126.3	57.7	20.8	6.2	50.1	115.6	87.1	123.5	61.3	18.5	7.5
25-29 years . . . . .	69.4	82.9	77.3	84.6	73.4	82.6	43.8	71.9	73.2	66.6	75.6	79.8	77.1	50.2
30-34 years . . . . .	49.6	36.7	38.9	35.8	38.2	55.8	71.5	46.4	33.6	36.9	32.0	38.7	51.4	66.9
35-39 years . . . . .	17.3	13.1	15.6	11.8	12.1	19.7	27.3	15.1	13.8	17.5	12.1	12.3	16.1	23.4
40-44 years . . . . .	2.8	3.1	4.8	2.3	1.9	2.8	4.9	2.9	3.4	4.3	2.8	2.5	2.7	3.6
<b>Black</b>														
First births:														
15-44 years . . . . .	31.9	34.1	25.2	36.4	31.6	30.8	28.2	34.0	31.3	17.8	35.5	37.7	32.1	35.5
15-19 years . . . . .	69.0	58.2	26.5	66.5	104.5	*64.0	*	70.0	56.9	22.7	66.1	124.4	63.3	*
20-24 years . . . . .	56.3	32.8	*25.2	33.9	68.2	57.7	46.6	53.8	28.1	16.1	30.6	67.6	54.2	59.8
25-29 years . . . . .	25.9	11.4	*17.1	10.2	19.9	34.6	50.9	23.3	7.0	7.7	6.8	20.3	29.4	57.0
30-34 years . . . . .	10.0	4.0	*6.6	3.4	6.8	13.1	24.5	8.5	2.4	2.9	2.2	6.9	9.9	27.0
35-39 years . . . . .	3.3	1.3	*2.2	1.0	2.4	4.1	8.5	2.3	0.9	1.4	0.8	2.2	2.8	7.2
40-44 years . . . . .	0.5	0.3	*0.4	0.2	0.4	0.5	*1.5	0.3	0.1	0.2	0.1	0.4	0.5	0.9

See notes at end of table.

**Table 2. Birth rates by educational attainment and age of mother, live-birth order, and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985—Con.**

[Rates are live births per 1,000 women in specified group. Figures for live-birth order not stated are not distributed. Figures for educational attainment not stated are distributed]

Live-birth order, age of mother, and race of child	1985							1980						
	Total	Years of school completed by mother						Total	Years of school completed by mother					
		0-11 years							0-11 years					
		Total	0-8 years	9-11 years	12 years	13-15 years	16 years or more		Total	0-8 years	9-11 years	12 years	13-15 years	16 years or more
Black—Con.														
Second and higher order births:														
15-44 years . . . . .	49.3	49.7	28.7	55.2	54.8	44.4	33.7	52.1	46.4	25.7	52.9	64.7	44.1	41.1
15-19 years . . . . .	27.7	25.6	11.7	29.3	37.9	*9.7	*	27.6	24.9	11.6	28.5	42.7	10.6	*
20-24 years . . . . .	86.6	141.4	*84.2	149.7	99.9	40.6	15.3	89.3	139.2	70.9	153.5	103.6	39.9	20.7
25-29 years . . . . .	78.5	110.2	*80.0	116.7	76.9	77.4	45.5	84.1	86.2	53.9	95.8	94.5	78.1	53.6
30-34 years . . . . .	49.6	51.1	*57.0	49.7	45.3	58.1	49.7	52.2	45.8	38.7	48.4	53.7	51.7	63.8
35-39 years . . . . .	22.2	22.6	*25.2	21.7	20.0	24.5	25.6	22.3	21.2	21.0	21.3	22.2	20.2	29.8
40-44 years . . . . .	4.2	4.7	*5.1	4.5	4.1	3.3	*5.0	5.6	5.9	5.8	6.0	5.7	4.4	4.7

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

**Table 3. First-birth probabilities for women 20–39 years of age by educational attainment and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1985**

[First-birth probabilities are first births per 1,000 childless women. Figures for educational attainment not stated are distributed]

<i>Age of mother and race of child</i>	<i>Total</i>	<i>Years of school completed by mother</i>			
		<i>0–11 years</i>	<i>12 years</i>	<i>13–15 years</i>	<i>16 years or more</i>
<b>All races<sup>1</sup></b>					
20–39 years . . . . .	76.3	97.9	91.9	68.3	61.0
20–24 years . . . . .	78.9	158.6	114.3	53.1	31.1
25–29 years . . . . .	95.9	81.5	99.7	119.6	81.0
30–34 years . . . . .	65.1	33.6	49.2	70.9	79.7
35–39 years . . . . .	25.6	11.0	18.7	29.5	33.0
<b>White</b>					
20–39 years . . . . .	73.8	95.3	87.8	65.8	60.7
20–24 years . . . . .	74.3	158.4	107.2	49.7	29.4
25–29 years . . . . .	96.0	77.5	100.3	118.7	81.7
30–34 years . . . . .	64.2	26.8	47.2	69.0	81.1
35–39 years . . . . .	24.4	9.7	17.1	27.0	32.1
<b>Black</b>					
20–39 years . . . . .	94.3	112.0	115.1	87.1	62.1
20–24 years . . . . .	113.6	*170.5	162.9	77.2	*50.7
25–29 years . . . . .	90.0	*101.3	84.3	119.5	73.0
30–34 years . . . . .	68.2	*77.3	*56.9	*95.6	*64.9
35–39 years . . . . .	31.2	*11.5	*27.8	*59.2	*42.3

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

**Table 4. Birth rates by educational attainment, marital status, and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1985**

[Rates are live births per 1,000 women in specified group. Figures for educational attainment not stated are distributed]

Marital status and age of mother and race of child	Years of school completed by mother						
	Total	0-11 years					16 years or more
		Total	0-8 years	9-11 years	12 years	13-15 years	
<b>Married</b>							
All races: <sup>1</sup>							
15-44 years . . . . .	90.4	88.9	68.1	95.9	80.8	103.1	103.0
15-19 years . . . . .	335.6	401.5	*281.5	430.8	273.4	*402.5	*
20-24 years . . . . .	200.7	195.2	148.6	207.0	205.4	219.5	134.8
25-29 years . . . . .	148.4	105.9	110.8	104.6	132.5	181.8	176.7
30-34 years . . . . .	83.2	48.0	59.6	44.0	56.8	92.9	148.2
35-39 years . . . . .	26.5	18.1	22.6	16.0	17.1	30.0	46.4
40-44 years . . . . .	4.0	4.0	6.9	2.9	2.6	4.0	7.8
White:							
15-44 years . . . . .	90.2	90.9	66.7	99.2	80.1	102.9	102.8
15-19 years . . . . .	328.5	419.9	*297.7	450.1	252.6	*385.0	*
20-24 years . . . . .	197.0	196.8	144.8	210.2	202.1	212.1	126.8
25-29 years . . . . .	149.9	104.7	106.1	104.4	133.8	187.6	174.0
30-34 years . . . . .	83.6	44.6	56.0	40.7	56.1	92.4	150.4
35-39 years . . . . .	25.7	15.6	19.2	13.8	16.0	29.4	46.1
40-44 years . . . . .	3.7	3.4	6.0	2.4	2.4	3.9	7.7
Black:							
15-44 years . . . . .	84.7	66.2	49.1	70.9	79.6	100.9	108.2
15-19 years . . . . .	*365.1	*216.5	*128.3	*232.5	*886.9	*450.7	*
20-24 years . . . . .	237.0	*198.4	*147.5	*207.3	228.3	*274.4	*382.4
25-29 years . . . . .	129.5	106.9	*174.9	*98.9	109.3	147.1	*211.2
30-34 years . . . . .	71.0	46.2	*41.2	48.1	54.7	95.9	134.3
35-39 years . . . . .	28.5	23.5	*25.5	22.8	24.3	29.9	45.6
40-44 years . . . . .	5.2	6.2	*8.0	5.6	4.6	4.0	*7.5
<b>Unmarried</b>							
All races: <sup>1</sup>							
15-44 years . . . . .	32.5	43.5	32.5	46.4	40.3	18.9	6.1
15-19 years . . . . .	31.7	30.3	20.0	32.6	42.3	12.7	*9.0
15-17 years . . . . .	22.5	21.9	14.9	23.7	32.7	*7.4	*
18-19 years . . . . .	46.8	73.6	*115.4	71.1	44.1	12.9	*9.0
20-24 years . . . . .	46.9	141.9	101.1	150.0	62.8	18.8	4.9
25-29 years . . . . .	39.6	98.3	63.5	110.5	46.6	35.4	7.0
30-34 years . . . . .	23.2	43.9	37.8	46.4	26.0	21.7	8.4
35-39 years . . . . .	10.3	16.0	17.3	15.4	10.5	9.6	5.7
40-44 years . . . . .	2.2	3.6	3.8	3.5	1.9	1.6	1.6
White:							
15-44 years . . . . .	19.9	29.0	24.9	30.0	24.5	10.0	3.7
15-19 years . . . . .	19.2	18.9	15.4	19.6	24.6	6.5	*5.1
15-17 years . . . . .	13.1	12.8	10.4	13.4	17.7	*4.6	*
18-19 years . . . . .	29.2	53.6	*135.4	49.7	25.9	6.5	*5.1
20-24 years . . . . .	28.6	123.6	*103.3	128.1	37.5	9.6	2.6
25-29 years . . . . .	24.7	78.3	*59.3	85.5	30.5	19.4	3.8
30-34 years . . . . .	14.8	31.4	22.9	37.2	16.8	13.1	5.9
35-39 years . . . . .	6.7	11.0	11.9	10.5	6.8	5.9	4.3
40-44 years . . . . .	1.6	3.1	3.2	2.9	1.2	1.1	1.3
Black:							
15-44 years . . . . .	79.7	90.0	55.8	98.8	92.2	57.6	23.2
15-19 years . . . . .	90.4	80.9	36.7	92.7	126.6	*62.7	*
15-17 years . . . . .	69.4	66.3	31.9	77.7	*154.1	*	*
18-19 years . . . . .	120.5	130.7	*88.7	134.4	123.6	*66.9	*
20-24 years . . . . .	119.3	169.4	*100.3	179.2	148.2	65.3	*28.1
25-29 years . . . . .	85.4	132.6	*74.1	149.2	87.3	79.4	29.3
30-34 years . . . . .	47.3	65.9	*134.7	58.4	49.3	46.6	20.9
35-39 years . . . . .	21.8	24.8	*29.8	*23.1	20.2	*26.8	*14.9
40-44 years . . . . .	3.9	4.0	*4.0	4.0	4.2	*3.4	*3.7

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

**Table 5. First-birth rates by educational attainment, marital status, and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1985**

[Rates are first births per 1,000 women in specified group. Figures for educational attainment not stated are distributed]

Marital status and age of mother and race of child	Total	Years of school completed by mother				
		0-11 years	12 years	13 years or more		
				Total	13-15 years	16 years or more
<b>Married</b>						
<b>All races:<sup>1</sup></b>						
15-44 years . . . . .	34.7	26.9	30.1	43.5	41.5	45.6
15-19 years . . . . .	250.1	268.9	226.0	*366.5	*363.1	*
20-24 years . . . . .	98.7	47.6	101.1	130.2	139.5	107.2
25-29 years . . . . .	53.5	13.5	38.3	82.9	68.3	99.2
30-34 years . . . . .	20.4	4.1	10.5	35.1	21.5	49.1
35-39 years . . . . .	4.8	1.2	2.3	8.5	5.0	11.3
40-44 years . . . . .	0.5	0.2	0.3	1.0	0.5	1.7
<b>White:</b>						
15-44 years . . . . .	35.7	29.4	30.9	43.9	42.4	45.6
15-19 years . . . . .	250.1	287.9	213.7	*355.2	*352.0	*
20-24 years . . . . .	99.5	49.6	102.6	127.4	138.1	101.7
25-29 years . . . . .	55.3	13.5	39.7	84.8	72.2	98.0
30-34 years . . . . .	21.1	3.9	10.8	35.7	21.9	49.9
35-39 years . . . . .	4.8	1.1	2.3	8.5	5.1	11.3
40-44 years . . . . .	0.5	0.2	0.3	1.0	0.5	1.6
<b>Black:</b>						
15-44 years . . . . .	23.9	10.6	20.4	37.3	33.2	44.9
15-19 years . . . . .	*212.2	*101.5	*571.8	*375.8	*372.8	*
20-24 years . . . . .	90.1	*30.9	80.2	*159.3	*143.8	*273.8
25-29 years . . . . .	33.8	10.0	21.0	60.8	41.7	*106.2
30-34 years . . . . .	11.8	2.9	6.4	25.9	15.4	40.6
35-39 years . . . . .	3.6	1.2	2.3	6.6	3.8	10.3
40-44 years . . . . .	0.5	0.3	0.3	0.8	0.4	*1.4
<b>Unmarried</b>						
<b>All races:<sup>1</sup></b>						
15-44 years . . . . .	17.0	22.2	20.9	8.0	10.8	4.0
15-19 years . . . . .	25.0	23.3	34.8	11.4	11.5	*6.8
20-24 years . . . . .	22.1	39.0	33.4	10.5	13.2	4.1
25-29 years . . . . .	11.4	12.8	13.8	9.0	14.9	4.8
30-34 years . . . . .	5.5	4.2	5.6	5.7	6.8	4.8
35-39 years . . . . .	2.1	1.3	1.9	2.6	2.3	2.9
40-44 years . . . . .	0.4	0.3	0.3	0.5	0.4	0.8
<b>White:</b>						
15-44 years . . . . .	11.9	16.2	15.1	4.9	6.6	2.6
15-19 years . . . . .	16.3	15.6	22.3	6.1	6.1	*4.8
20-24 years . . . . .	15.7	42.0	24.2	6.0	7.6	2.3
25-29 years . . . . .	8.7	12.8	11.6	5.6	10.1	2.8
30-34 years . . . . .	4.6	3.6	4.9	4.5	5.5	3.8
35-39 years . . . . .	1.8	1.1	1.5	2.2	1.8	2.5
40-44 years . . . . .	0.3	0.3	0.2	0.5	0.3	0.7
<b>Black:</b>						
15-44 years . . . . .	36.6	41.6	40.0	24.4	29.1	14.0
15-19 years . . . . .	65.4	57.1	94.0	*54.7	*54.5	*
20-24 years . . . . .	47.5	33.3	64.1	37.6	41.3	22.3
25-29 years . . . . .	19.6	12.3	19.0	23.9	27.9	18.2
30-34 years . . . . .	8.0	5.2	7.3	10.4	10.7	10.0
35-39 years . . . . .	3.0	1.5	2.7	5.2	*4.9	*5.5
40-44 years . . . . .	0.4	0.3	0.4	*0.8	*0.5	*1.5

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

**Table 6. Total live births and first births to women 20–39 years of age by age of mother and race of child and percent distribution by educational attainment of mother, according to age of mother and race of child: Total reporting areas, 1980, 1985, and 1988**

[Figures for educational attainment not stated are included in frequency totals but excluded from percent distributions]

<i>Live-birth order, age of mother, and years of school completed by mother</i>	<i>Race of child</i>								
	<i>All races<sup>1</sup></i>			<i>White</i>			<i>Black</i>		
	<i>1988</i>	<i>1985</i>	<i>1980</i>	<i>1988</i>	<i>1985</i>	<i>1980</i>	<i>1988</i>	<i>1985</i>	<i>1980</i>
	Total births			Number					
20–24 years . . . . .	784,852	882,134	973,746	575,419	681,066	770,238	182,300	175,509	178,962
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	23.0	22.9	22.8	22.2	21.8	21.3	24.6	26.1	28.1
12 years . . . . .	52.9	53.6	55.0	52.9	54.3	56.5	53.4	51.6	49.8
13–15 years . . . . .	20.0	19.3	18.0	20.3	19.3	17.9	19.5	19.5	18.9
16 years or more . . . . .	4.1	4.2	4.1	4.5	4.6	4.3	2.5	2.8	3.1
	25–29 years . . . . .			Number					
	905,149	935,356	884,636	733,972	777,887	743,117	136,566	127,859	115,612
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	11.3	10.9	11.6	9.8	9.2	9.7	18.2	19.2	21.6
12 years . . . . .	42.4	43.4	43.0	42.3	43.6	42.9	44.8	44.2	45.2
13–15 years . . . . .	25.5	25.2	23.9	25.7	25.4	24.5	25.8	24.7	21.1
16 years or more . . . . .	20.8	20.5	21.6	22.3	21.8	22.9	11.2	11.8	12.2
	30–34 years . . . . .			Number					
	577,782	538,122	434,383	475,938	451,436	362,502	76,382	66,132	54,796
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	8.0	8.0	11.1	6.3	6.2	9.1	16.9	18.3	22.3
12 years . . . . .	33.1	32.7	35.4	32.2	31.8	34.8	39.5	40.2	41.4
13–15 years . . . . .	24.8	24.0	21.3	25.0	24.3	21.8	25.5	23.1	19.4
16 years or more . . . . .	34.1	35.3	32.2	36.5	37.7	34.3	18.1	18.4	16.8
	35–39 years . . . . .			Number					
	188,293	161,821	108,969	152,030	131,600	86,599	26,685	22,452	17,070
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	9.1	10.8	19.2	6.9	8.5	16.3	18.8	21.7	32.7
12 years . . . . .	28.2	30.3	37.0	26.6	29.0	37.3	37.6	39.3	38.9
13–15 years . . . . .	22.6	21.1	17.4	22.8	21.4	18.2	22.5	20.2	14.1
16 years or more . . . . .	40.2	37.9	26.4	43.6	41.1	28.2	21.0	18.8	14.3
	First births			Number					
20–24 years . . . . .	372,513	429,220	479,424	291,752	349,070	401,811	68,600	68,805	66,514
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	12.0	12.1	11.7	12.0	11.8	11.3	11.2	12.5	12.6
12 years . . . . .	54.3	55.3	57.4	54.5	55.9	58.5	54.7	53.2	52.3
13–15 years . . . . .	26.9	25.7	24.2	26.4	25.1	23.4	29.2	29.1	28.9
16 years or more . . . . .	6.9	6.9	6.7	7.2	7.2	6.8	4.9	5.3	6.1
	25–29 years . . . . .			Number					
	329,050	328,466	296,048	279,873	285,810	262,062	35,460	31,532	24,861
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	4.4	4.0	3.8	3.8	3.4	3.3	7.3	7.3	7.5
12 years . . . . .	34.9	35.8	34.1	34.9	35.9	34.1	37.2	36.7	36.9
13–15 years . . . . .	27.3	27.2	26.1	27.1	27.0	26.2	31.8	30.8	26.7
16 years or more . . . . .	33.4	33.0	36.0	34.2	33.6	36.4	23.7	25.2	28.9

See notes at end of table.

**Table 6. Total live births and first births to women 20–39 years of age by age of mother and race of child and percent distribution by educational attainment of mother, according to age of mother and race of child: Total reporting areas, 1980, 1985, and 1988—Con.**

[Figures for educational attainment not stated are included in frequency totals but excluded from percent distributions]

<i>Live-birth order, age of mother, and years of school completed by mother</i>	<i>Race of child</i>								
	<i>All races<sup>1</sup></i>			<i>White</i>			<i>Black</i>		
	<i>1988</i>	<i>1985</i>	<i>1980</i>	<i>1988</i>	<i>1985</i>	<i>1980</i>	<i>1988</i>	<i>1985</i>	<i>1980</i>
First births—Con.	Number								
30–34 years . . . . .	148,645	131,625	87,240	127,033	115,253	75,708	14,085	11,089	7,610
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	3.1	2.9	4.1	2.4	2.2	3.4	7.1	7.9	8.1
12 years . . . . .	26.4	25.2	26.4	26.0	24.8	26.0	31.0	31.0	33.8
13–15 years . . . . .	23.8	23.3	20.6	23.7	23.3	20.5	27.7	25.2	22.3
16 years or more . . . . .	46.7	48.6	48.9	47.8	49.7	50.0	34.2	36.0	35.8
35–39 years . . . . .	Number								
	38,209	29,591	13,812	32,433	25,273	11,506	3,841	2,920	1,581
	Percent distribution								
All years of school completed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–11 years . . . . .	3.7	4.2	8.4	2.9	3.4	7.4	9.0	9.1	14.8
12 years . . . . .	22.5	23.4	30.3	21.6	22.5	29.9	30.8	32.7	37.1
13–15 years . . . . .	21.2	20.1	17.8	21.1	20.0	18.0	23.2	22.3	18.4
16 years or more . . . . .	52.6	52.3	43.5	54.3	54.2	44.7	37.0	35.9	29.7

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate in 1980 and 1985, and excludes data for California, New York (except New York City), Texas, and Washington, which did not report educational attainment on birth certificate in 1988.



**Table 7. Birth rates by educational attainment and age of mother and specified race of child: Total of 47 reporting States and the District of Columbia, 1980**

[Rates are live births per 1,000 women in specified group. Figures for educational attainment not stated are distributed]

Age of mother and race of child	Total	Years of school completed by mother				
		0-8 years	9-11 years	12 years or more		
				Total	12 years	13 years or more
<b>All races<sup>1</sup></b>						
15-44 years . . . . .	67.0	42.1	59.0	71.8	74.4	68.5
15-19 years . . . . .	51.5	29.9	47.6	69.2	79.9	26.9
20-24 years . . . . .	113.0	117.2	176.8	103.4	141.9	61.8
25-29 years . . . . .	112.6	77.8	91.3	116.9	113.3	120.6
30-34 years . . . . .	60.1	42.6	39.1	64.1	48.7	81.0
35-44 years . . . . .	11.9	12.3	9.5	12.4	9.7	16.4
<b>White</b>						
15-44 years . . . . .	63.1	40.1	51.1	68.5	69.6	66.9
15-19 years . . . . .	42.2	28.3	38.0	56.3	65.6	19.3
20-24 years . . . . .	106.7	120.5	172.7	97.7	135.9	56.9
25-29 years . . . . .	112.5	77.9	85.8	116.8	112.0	121.5
30-34 years . . . . .	59.1	40.7	34.9	63.0	46.3	81.1
35-44 years . . . . .	11.0	11.2	8.0	11.5	8.7	15.7
<b>Black</b>						
15-44 years . . . . .	87.2	44.0	89.6	92.9	103.6	77.1
15-19 years . . . . .	99.6	34.9	96.6	151.6	170.8	75.5
20-24 years . . . . .	144.7	87.5	185.3	137.1	173.4	93.0
25-29 years . . . . .	108.2	61.8	103.2	113.0	115.7	109.6
30-34 years . . . . .	59.8	41.3	50.0	64.6	59.8	71.1
35-44 years . . . . .	15.7	13.3	13.9	16.9	16.1	18.4
<b>American Indian<sup>2</sup></b>						
15-44 years . . . . .	105.0	54.9	114.5	113.0	121.6	97.8
15-19 years . . . . .	100.5	43.9	104.8	150.0	159.5	86.4
20-24 years . . . . .	186.9	110.5	239.3	176.3	199.7	131.9
25-29 years . . . . .	135.6	90.8	144.3	137.9	138.9	136.3
30-34 years . . . . .	77.7	62.6	66.8	83.6	79.3	89.9
35-44 years . . . . .	24.1	26.9	22.8	23.6	22.1	26.0
<b>Asian</b>						
15-44 years . . . . .	80.3	76.5	50.6	87.0	97.2	81.4
15-19 years . . . . .	37.1	34.5	25.8	60.8	74.6	25.0
20-24 years . . . . .	115.8	205.1	166.3	103.0	174.4	62.9
25-29 years . . . . .	135.0	135.7	110.4	137.3	157.2	128.6
30-34 years . . . . .	94.5	71.3	62.3	100.6	86.4	106.7
35-44 years . . . . .	26.1	25.4	14.3	27.6	20.8	31.5

<sup>1</sup>Includes races not shown separately.

<sup>2</sup>Includes figures for Aleuts and Eskimos.

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

**Table 8. Birth rates by educational attainment and age of mother and race of child: Each region of the United States, 1980 and 1985**

[Rates are live births per 1,000 women residing in the area for specified group. Figures for educational attainment not stated are distributed]

Region, age of mother, and race of child	1985					1980				
	Total	Years of school completed by mother				Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more		0-11 years	12 years	13-15 years	16 years or more
<b>Northeast</b>										
All races: <sup>1</sup>										
15-44 years . . . . .	59.2	47.2	63.9	61.2	61.7	58.0	43.8	66.9	53.7	66.1
15-19 years . . . . .	35.4	30.8	58.4	15.5	*33.2	35.4	30.3	56.9	17.0	164.0
15-17 years . . . . .	21.3	19.8	*56.3	*15.4	*	20.7	18.7	126.8	38.8	*
18-19 years . . . . .	55.3	77.9	58.5	15.5	*33.1	57.1	86.3	53.4	16.8	170.0
20-24 years . . . . .	86.3	144.2	118.0	53.1	24.9	90.1	148.5	121.8	46.1	34.9
25-29 years . . . . .	108.7	91.3	114.2	134.9	89.1	107.7	86.3	115.6	113.3	101.1
30-34 years . . . . .	75.1	51.0	57.7	81.8	109.1	62.8	41.1	53.7	64.2	93.8
35-39 years . . . . .	25.8	20.8	18.7	26.0	40.0	20.1	16.6	17.0	19.4	32.1
40-44 years . . . . .	4.0	3.8	2.8	4.3	6.8	3.6	3.9	3.2	2.9	4.8
White:										
15-44 years . . . . .	56.4	40.3	60.3	59.7	61.9	55.1	38.5	63.6	51.9	65.0
15-19 years . . . . .	27.5	23.6	47.3	11.0	*24.5	28.6	24.2	46.5	12.6	*119.5
15-17 years . . . . .	14.9	13.9	*37.4	*7.5	*	15.2	13.8	98.3	35.2	*
18-19 years . . . . .	45.7	69.0	48.5	11.1	*24.4	48.0	77.7	44.2	12.5	*124.1
20-24 years . . . . .	82.4	155.4	113.2	49.7	23.4	84.0	145.5	116.0	41.7	31.7
25-29 years . . . . .	107.7	83.2	114.3	136.8	87.3	107.4	83.2	114.9	115.2	100.0
30-34 years . . . . .	74.9	42.3	57.0	80.1	111.7	61.9	38.6	51.5	64.1	93.2
35-39 years . . . . .	24.5	16.7	16.7	26.2	39.9	18.9	15.5	15.5	18.6	30.7
40-44 years . . . . .	3.7	3.5	2.4	4.0	6.8	3.2	3.5	2.8	2.6	4.5
Black:										
15-44 years . . . . .	77.4	76.7	86.4	72.3	56.2	76.0	67.1	89.4	67.4	75.3
15-19 years . . . . .	87.9	75.4	*132.1	*70.6	*	82.4	68.0	150.0	60.7	*
15-17 years . . . . .	67.4	61.8	*203.1	*	*	57.1	51.8	265.4	*45.1	*
18-19 years . . . . .	112.6	*111.7	*124.8	*68.0	*	123.9	126.4	139.3	61.1	*
20-24 years . . . . .	107.7	119.1	143.8	73.8	*36.8	132.7	154.5	162.9	84.1	75.4
25-29 years . . . . .	114.1	*132.1	111.1	*121.2	*91.7	104.0	89.0	113.7	101.0	105.9
30-34 years . . . . .	68.5	*71.4	56.4	*92.2	*80.2	61.9	45.2	63.4	62.3	97.1
35-39 years . . . . .	35.2	*39.5	33.4	*27.3	*48.5	24.9	19.5	25.7	23.4	44.1
40-44 years . . . . .	5.4	*4.1	*6.6	*6.4	*5.2	5.4	4.9	5.9	4.7	6.7
<b>Midwest</b>										
All races: <sup>1</sup>										
15-44 years . . . . .	65.8	59.8	66.1	68.2	69.9	70.1	54.7	77.0	70.2	81.0
15-19 years . . . . .	47.7	41.6	69.2	28.3	*10.1	49.9	41.6	80.3	29.2	*148.9
15-17 years . . . . .	27.1	26.3	*44.3	*6.2	*	28.9	26.7	164.1	45.5	*
18-19 years . . . . .	80.2	126.6	72.8	29.6	*10.1	79.7	102.2	76.7	29.1	*155.6
20-24 years . . . . .	106.6	186.3	127.0	70.9	38.7	118.7	171.9	147.4	70.2	51.2
25-29 years . . . . .	119.7	120.2	114.4	138.7	111.1	121.2	91.4	118.8	135.0	130.3
30-34 years . . . . .	65.0	48.2	46.4	77.1	99.4	62.3	41.5	48.5	68.5	105.1
35-39 years . . . . .	21.7	18.3	14.4	23.2	38.0	18.4	17.1	14.7	20.1	30.5
40-44 years . . . . .	3.3	3.7	2.3	3.2	6.5	3.6	4.3	3.1	3.6	4.8
White:										
15-44 years . . . . .	63.2	52.3	63.5	66.9	70.8	67.4	49.1	74.3	68.3	80.7
15-19 years . . . . .	39.3	33.7	58.0	22.0	*	42.4	34.7	70.0	21.8	*
15-17 years . . . . .	20.3	19.7	*30.2	*8.1	*	22.5	20.7	135.0	38.5	*
18-19 years . . . . .	68.8	117.4	62.4	22.4	*	70.5	93.8	67.4	21.7	*
20-24 years . . . . .	99.8	174.0	120.3	65.2	38.7	114.3	170.6	144.1	65.4	48.8
25-29 years . . . . .	119.8	113.0	114.4	139.5	114.2	122.1	89.1	119.1	137.5	131.0
30-34 years . . . . .	65.9	46.2	45.6	81.5	101.7	62.0	39.6	47.5	68.5	105.5
35-39 years . . . . .	21.2	15.8	14.1	22.4	37.7	17.6	16.1	14.0	19.3	29.4
40-44 years . . . . .	3.1	3.2	2.1	3.1	6.0	3.3	3.9	2.9	3.3	4.5
Black:										
15-44 years . . . . .	87.0	98.6	87.2	78.0	69.5	91.1	85.4	103.0	84.6	78.3
15-19 years . . . . .	105.7	89.0	172.3	*96.5	*	110.1	92.2	184.4	100.6	*
15-17 years . . . . .	74.4	70.6	845.5	*4.7	*	79.9	74.3	345.5	*	*
18-19 years . . . . .	156.0	*155.4	157.2	*152.3	*	155.3	150.4	173.2	100.9	*
20-24 years . . . . .	168.9	*257.1	188.5	*124.2	*45.3	151.9	172.1	176.3	113.0	79.8
25-29 years . . . . .	119.7	*145.0	105.0	*138.1	*107.0	110.3	95.2	114.3	114.5	116.7
30-34 years . . . . .	56.1	*50.9	52.5	53.7	*81.3	59.2	45.1	56.2	65.0	89.2
35-39 years . . . . .	22.2	*26.4	15.5	*27.3	*37.2	23.0	19.7	21.7	24.7	35.7
40-44 years . . . . .	4.3	*4.8	*3.3	*3.4	*29.8	5.3	5.6	5.0	5.3	5.4

See notes at end of table.

**Table 8. Birth rates by educational attainment and age of mother and race of child: Each region of the United States, 1980 and 1985—Con.**

[Rates are live births per 1,000 women residing in the area for specified group. Figures for educational attainment not stated are distributed]

Region, age of mother, and race of child	1985					1980				
	Total	Years of school completed by mother				Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more		0-11 years	12 years	13-15 years	16 years or more
<b>South<sup>2</sup></b>										
All races: <sup>1</sup>										
15-44 years . . . . .	64.7	63.9	65.0	63.5	66.9	67.5	60.6	74.7	60.9	73.2
15-19 years . . . . .	60.7	57.1	79.7	26.0	*	64.0	57.0	60.6	31.4	*
15-17 years . . . . .	39.3	39.1	43.0	*14.6	*	42.1	39.1	175.7	56.3	*
18-19 years . . . . .	90.0	125.7	87.1	26.2	*	95.6	127.0	90.4	31.1	*
20-24 years . . . . .	117.3	171.7	141.5	73.1	44.8	118.1	163.0	145.2	67.5	55.0
25-29 years . . . . .	100.5	96.1	89.4	128.8	103.5	104.3	82.8	103.9	112.8	117.8
30-34 years . . . . .	59.9	42.2	43.8	65.1	103.3	53.7	37.6	43.9	57.7	91.3
35-39 years . . . . .	19.7	14.3	13.9	24.8	32.1	17.0	16.2	13.9	16.7	28.0
40-44 years . . . . .	3.2	3.7	2.3	2.8	5.8	3.4	4.2	2.8	2.7	4.1
White:										
15-44 years . . . . .	59.7	56.0	58.6	60.5	67.0	61.0	52.5	65.9	57.0	72.1
15-19 years . . . . .	47.9	46.2	61.6	17.0	*	50.8	46.3	72.9	19.8	*
15-17 years . . . . .	27.9	27.9	28.8	*10.4	*	30.0	28.0	117.9	38.7	*
18-19 years . . . . .	75.7	122.5	68.8	17.1	*	80.5	121.8	70.1	19.6	*
20-24 years . . . . .	106.5	170.5	129.0	65.9	38.2	109.3	158.6	135.7	60.8	49.5
25-29 years . . . . .	101.8	90.8	89.2	141.3	103.6	102.8	76.5	99.8	114.5	118.5
30-34 years . . . . .	59.8	35.3	41.2	63.4	110.3	51.3	31.8	39.4	57.1	91.0
35-39 years . . . . .	18.3	11.0	11.8	23.3	32.4	14.9	12.9	11.7	15.5	26.5
40-44 years . . . . .	2.7	2.8	1.9	2.7	5.7	2.6	3.1	2.1	2.3	3.7
Black:										
15-44 years . . . . .	80.6	82.1	86.1	74.7	61.8	89.7	80.4	109.6	76.1	77.1
15-19 years . . . . .	97.0	85.8	135.5	*68.1	*	101.7	85.9	172.4	70.9	*
15-17 years . . . . .	72.7	70.5	*113.6	*	*	76.3	70.5	359.3	114.6	*
18-19 years . . . . .	129.0	133.9	138.5	*67.6	*	139.8	138.2	159.9	70.5	*
20-24 years . . . . .	153.0	181.4	176.8	98.8	*107.7	144.8	171.6	174.7	89.5	83.8
25-29 years . . . . .	94.9	109.7	87.4	100.0	95.9	108.1	94.7	116.4	106.3	110.9
30-34 years . . . . .	57.9	53.0	50.9	75.9	67.4	61.2	50.9	61.9	59.5	88.8
35-39 years . . . . .	23.2	19.6	21.8	*30.3	*27.5	25.4	24.3	25.2	22.1	34.5
40-44 years . . . . .	4.6	5.8	4.1	*3.1	*5.5	6.5	6.7	6.9	4.9	5.5
<b>West<sup>3</sup></b>										
All races: <sup>1</sup>										
15-44 years . . . . .	76.5	71.9	80.4	75.1	75.6	80.9	65.6	86.3	85.0	87.1
15-19 years . . . . .	58.1	52.6	75.8	*37.9	*	58.7	49.6	91.5	37.3	*
15-17 years . . . . .	32.5	31.6	*42.9	*237.6	*	33.1	30.4	161.7	*42.0	*
18-19 years . . . . .	95.2	*148.6	82.1	*37.4	*	94.5	124.3	87.7	37.2	*
20-24 years . . . . .	125.0	172.4	148.9	94.0	46.5	140.3	184.6	164.7	102.9	75.2
25-29 years . . . . .	125.1	120.2	123.3	129.9	124.7	126.1	106.3	119.9	140.4	129.7
30-34 years . . . . .	78.3	49.3	61.3	77.7	124.7	71.4	51.1	53.1	77.4	107.2
35-39 years . . . . .	28.4	*23.7	19.2	29.6	42.0	25.0	22.0	18.1	26.2	42.2
40-44 years . . . . .	4.8	*6.8	3.0	4.4	8.0	5.0	6.4	3.6	5.3	6.6
White:										
15-44 years . . . . .	72.5	66.4	75.4	71.4	74.7	77.6	61.7	81.7	83.0	85.3
15-19 years . . . . .	52.5	48.3	66.1	*33.5	*	54.9	46.8	84.0	33.9	*
15-17 years . . . . .	29.1	28.3	*38.5	*	*	30.5	28.2	141.2	*36.9	*
18-19 years . . . . .	85.8	*140.9	71.2	*33.1	*	88.8	120.1	81.0	33.9	*
20-24 years . . . . .	120.7	163.0	146.7	90.2	45.8	135.8	179.1	158.7	100.9	75.2
25-29 years . . . . .	120.0	109.6	115.7	125.7	126.9	122.7	98.5	115.1	139.2	128.0
30-34 years . . . . .	75.0	*41.9	57.3	73.5	126.6	68.1	44.9	49.3	74.6	104.1
35-39 years . . . . .	26.0	*18.7	16.8	27.6	39.6	23.1	18.1	16.4	25.1	40.5
40-44 years . . . . .	4.4	*5.7	2.7	4.1	7.8	4.4	4.8	3.4	5.1	6.3
Black: <sup>4</sup>										
15-44 years . . . . .	*	*	*	*	*	*	*	*	*	*

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

<sup>2</sup>Excludes data for Texas, which did not report educational attainment of mother on birth certificate.

<sup>3</sup>Excludes data for California and Washington, which did not report educational attainment of mother on birth certificate.

<sup>4</sup>Rates not shown for the black population in the West Region because birth data by educational attainment of mother are available for less than 20 percent of the black births in that region.

**Table 9. Fertility rates by educational attainment of mother and race of child: Total of 47 reporting States and the District of Columbia and each geographic division, 1980 and 1985**

[Fertility rates are live births per 1,000 women 15-44 years of age residing in area for specified group. Figures for educational attainment not stated are distributed]

Geographic division <sup>1</sup> and race of child	1985					1980				
	Total	Years of school completed by mother				Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more		0-11 years	12 years	13-15 years	16 years or more
Total <sup>2,3</sup>	64.7	59.1	66.3	65.7	66.9	67.0	55.0	74.4	64.5	74.7
White	61.1	51.7	62.2	63.7	67.2	63.1	48.5	69.6	62.2	73.8
Black	81.6	84.2	86.8	75.6	62.4	87.2	78.5	103.7	77.0	77.6
New England	57.6	43.1	61.4	59.8	62.8	56.0	40.8	62.7	53.4	67.6
White	55.5	38.7	59.1	58.2	61.9	54.4	38.3	61.1	52.2	66.7
Black	91.5	*98.3	*92.8	*96.9	*67.0	82.0	69.5	93.4	81.7	88.5
Middle Atlantic	59.8	48.4	64.7	61.8	61.3	58.7	44.6	68.2	54.1	65.7
White	56.7	40.9	60.7	60.5	62.0	55.4	38.4	64.3	52.0	64.5
Black	75.9	74.9	85.6	69.9	54.9	75.3	66.6	89.1	66.1	73.8
East North Central	64.6	61.4	65.3	64.2	67.5	68.7	56.1	75.0	67.7	77.8
White	62.0	54.1	62.9	63.0	68.0	65.7	50.5	72.0	65.3	77.6
Black	84.8	97.8	84.4	72.9	72.7	89.4	83.9	101.5	82.6	75.9
West North Central	68.8	54.7	67.9	77.9	75.4	73.8	50.6	82.1	75.7	88.3
White	66.0	47.4	64.9	75.5	76.7	71.5	44.9	80.1	74.1	87.6
Black	100.1	*103.5	103.2	*116.7	*58.5	101.0	93.3	112.4	97.8	92.1
South Atlantic	64.1	61.8	64.0	65.2	66.7	63.4	55.8	71.1	56.6	69.3
White	59.4	53.9	58.1	62.1	66.3	57.4	48.0	62.3	53.6	68.4
Black	79.1	80.0	82.9	76.3	62.9	83.4	74.0	103.1	68.8	71.8
East South Central	61.7	63.3	61.0	61.6	61.0	70.8	65.5	76.1	65.6	78.4
White	56.6	57.7	53.8	58.1	61.7	63.9	57.5	67.5	60.2	77.0
Black	79.7	78.9	92.7	71.3	53.5	97.8	90.1	117.1	85.6	84.2
West South Central <sup>2</sup>	71.8	72.5	75.2	59.6	77.9	78.5	69.8	86.6	72.5	84.1
White	65.9	60.7	68.6	57.8	78.8	70.6	59.5	76.4	67.2	82.8
Black	88.6	96.7	91.7	73.8	72.7	104.8	91.9	129.3	92.6	91.2
Mountain	78.4	75.1	82.4	76.0	77.3	83.3	67.7	89.1	87.7	90.1
White	74.8	69.1	78.2	73.1	76.7	80.8	63.7	85.7	86.4	89.1
Black	93.0	*74.7	*111.0	*86.8	*93.8	105.3	86.9	126.4	98.0	100.0
Pacific <sup>3</sup>	70.8	61.1	74.5	72.2	70.9	74.0	59.5	79.5	76.1	87.7
White	64.0	55.7	65.8	64.9	67.8	67.2	54.5	70.1	70.5	72.9
Black <sup>4</sup>	*	*	*	*	*	*	*	*	*	*

<sup>1</sup>Totals for geographic areas include races other than white and black.

<sup>2</sup>Excludes data for Texas, which did not report educational attainment of mother on birth certificate.

<sup>3</sup>Excludes data for California and Washington, which did not report educational attainment of mother on birth certificate.

<sup>4</sup>Rates not shown for the black population in the Pacific Division because birth data by educational attainment of mother are available for only 12 percent of the births in that division.

NOTE: Fertility rates in this table may differ from those previously published by the National Center for Health Statistics. (See Taffel SM. Birth and fertility rates for States, United States, 1980. Vital Health Stat 21 (42). 1984.) The rates in this table are based on populations from a sample of the 1980 census of population; the previously published rates were based on complete counts from the census.

**Table 10. Fertility rates by educational attainment of mother and race of child: 47 reporting States and the District of Columbia, 1980**

[Rates are live births per 1,000 women 15–44 years of age residing in the area in specified group. Figures for educational attainment not stated are distributed]

Area <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0–11 years	12 years	13–15 years	16 years or more
<b>New England</b>					
Maine . . . . .	64.8	44.3	74.3	65.1	79.8
White . . . . .	64.3	43.3	74.0	64.8	79.6
Black . . . . .	116.5	*	122.2	*	*
New Hampshire . . . . .	62.8	42.6	69.8	61.2	80.8
White . . . . .	62.6	42.5	69.6	60.6	80.9
Black . . . . .	89.3	*	79.3	*151.4	*
Vermont . . . . .	64.1	42.1	75.3	57.1	79.1
White . . . . .	64.1	42.1	75.3	56.9	79.4
Black . . . . .	*103.7	*	*	*	*
Massachusetts . . . . .	53.5	39.7	61.3	48.4	63.0
White . . . . .	51.8	37.4	59.3	47.4	61.4
Black . . . . .	82.6	66.7	98.4	75.7	96.2
Rhode Island . . . . .	56.6	45.8	60.1	54.9	73.5
White . . . . .	54.0	42.0	57.7	53.2	71.2
Black . . . . .	101.2	88.9	111.5	102.7	129.3
Connecticut . . . . .	53.9	39.0	56.7	56.2	67.4
White . . . . .	51.5	34.4	53.8	54.3	67.0
Black . . . . .	78.4	69.6	86.1	83.7	72.8
<b>Middle Atlantic</b>					
New York . . . . .	58.4	45.6	71.6	52.7	58.7
White . . . . .	54.4	38.7	66.6	50.4	57.2
Black . . . . .	73.3	64.0	90.4	63.5	66.2
New Jersey . . . . .	57.3	43.4	62.3	54.2	73.4
White . . . . .	53.1	35.7	57.9	51.3	71.8
Black . . . . .	80.2	73.9	88.1	71.6	92.0
Pennsylvania . . . . .	60.1	43.7	67.2	56.7	73.6
White . . . . .	58.2	39.7	65.1	55.4	72.8
Black . . . . .	75.9	66.6	86.9	68.4	76.9
<b>East North Central</b>					
Ohio . . . . .	67.5	52.8	74.8	67.0	78.1
White . . . . .	65.1	49.2	72.3	64.1	77.3
Black . . . . .	86.7	75.4	97.4	87.2	83.6
Indiana . . . . .	69.1	56.7	74.8	68.2	83.2
White . . . . .	67.0	54.0	72.2	66.3	83.0
Black . . . . .	93.2	81.8	107.8	87.8	83.3
Illinois . . . . .	71.3	66.5	75.2	68.0	74.8
White . . . . .	66.5	58.4	69.8	64.6	75.2
Black . . . . .	95.2	94.4	109.4	84.0	88.3
Michigan . . . . .	66.4	51.2	73.8	66.6	75.7
White . . . . .	63.9	45.9	71.4	65.1	74.5
Black . . . . .	80.7	74.2	91.4	74.6	78.0
Wisconsin . . . . .	69.1	44.9	77.6	69.9	84.5
White . . . . .	67.2	39.3	76.1	68.8	83.9
Black . . . . .	97.7	91.7	110.5	90.8	84.5
<b>West North Central</b>					
Minnesota . . . . .	70.7	38.4	82.3	71.0	83.6
White . . . . .	68.8	32.7	80.9	70.0	82.7
Black . . . . .	117.8	100.9	138.2	107.0	120.5
Iowa . . . . .	73.7	44.8	81.6	80.4	92.1
White . . . . .	72.7	42.6	80.8	79.8	91.4
Black . . . . .	111.2	112.3	119.2	101.0	94.7
Missouri . . . . .	70.9	58.1	76.6	71.1	82.2
White . . . . .	67.9	52.3	73.8	68.4	81.8
Black . . . . .	93.8	90.4	102.5	90.0	78.7
North Dakota . . . . .	82.4	44.9	90.4	88.7	113.9
White . . . . .	78.9	35.5	87.0	86.4	113.8
Black . . . . .	220.6	*	*225.0	*221.4	*
South Dakota . . . . .	88.2	59.3	99.3	90.0	109.5
White . . . . .	81.9	42.9	93.6	86.9	107.3
Black . . . . .	187.2	*	*229.6	*121.1	*387.1
Nebraska . . . . .	77.4	47.5	87.3	78.4	94.8
White . . . . .	75.7	43.0	85.7	76.8	94.7
Black . . . . .	109.0	91.6	119.5	127.5	94.5

See notes at end of table.

**Table 10. Fertility rates by educational attainment of mother and race of child: 47 reporting States and the District of Columbia, 1980—Con.**

[Rates are live births per 1,000 women 15–44 years of age residing in the area in specified group. Figures for educational attainment not stated are distributed]

Area <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0–11 years	12 years	13–15 years	16 years or more
<b>West North Central—Con.</b>					
Kansas . . . . .	76.8	59.2	83.9	76.0	88.4
White . . . . .	74.1	54.9	80.9	73.9	87.0
Black . . . . .	114.4	96.6	130.9	109.9	120.0
<b>South Atlantic</b>					
Delaware . . . . .	65.5	50.8	82.0	44.6	75.9
White . . . . .	61.1	42.2	75.2	42.9	79.0
Black . . . . .	87.0	74.6	118.0	58.3	55.3
Maryland . . . . .	57.5	41.4	65.2	54.8	69.8
White . . . . .	53.6	35.0	59.5	52.3	68.4
Black . . . . .	67.6	54.5	81.4	62.1	71.3
District of Columbia . . . . .	55.1	55.5	80.9	41.0	34.7
White . . . . .	27.9	58.4	36.5	15.2	26.7
Black . . . . .	67.0	55.5	89.3	55.2	52.2
Virginia . . . . .	59.9	49.0	67.3	54.9	70.8
White . . . . .	55.7	42.2	61.3	52.8	69.1
Black . . . . .	76.2	66.9	93.1	64.7	77.2
West Virginia . . . . .	68.3	60.9	74.2	60.3	80.0
White . . . . .	67.8	60.9	73.3	59.7	80.0
Black . . . . .	84.0	64.9	103.2	75.2	88.0
North Carolina . . . . .	60.6	53.8	66.8	54.1	70.6
White . . . . .	54.8	46.3	58.3	51.7	70.0
Black . . . . .	76.8	68.8	93.6	62.1	69.9
South Carolina . . . . .	69.4	61.4	79.5	57.9	80.3
White . . . . .	60.3	50.8	65.3	53.9	79.9
Black . . . . .	89.1	77.8	111.2	69.8	80.0
Georgia . . . . .	69.6	63.0	78.2	62.2	71.2
White . . . . .	61.1	54.4	64.9	57.1	70.3
Black . . . . .	91.0	78.2	114.2	79.5	73.8
Florida . . . . .	64.0	60.0	69.5	58.2	65.8
White . . . . .	56.8	49.4	60.5	54.9	64.8
Black . . . . .	100.9	95.0	123.6	79.2	73.9
<b>East South Central</b>					
Kentucky . . . . .	70.6	64.7	78.0	62.3	75.5
White . . . . .	68.8	63.0	75.7	60.7	75.1
Black . . . . .	91.1	85.9	106.4	75.9	72.2
Tennessee . . . . .	64.2	58.1	68.7	60.2	73.6
White . . . . .	59.5	53.5	62.6	55.5	72.8
Black . . . . .	86.6	76.8	101.9	81.4	76.0
Alabama . . . . .	70.7	64.2	76.1	66.2	80.2
White . . . . .	61.9	54.6	63.8	60.6	79.1
Black . . . . .	95.6	85.6	118.5	81.0	83.8
Mississippi . . . . .	83.9	81.0	88.9	77.6	88.7
White . . . . .	67.9	59.4	69.2	67.8	86.5
Black . . . . .	112.3	104.8	137.5	99.7	95.2
<b>West South Central<sup>2</sup></b>					
Arkansas . . . . .	74.2	65.8	80.6	72.5	80.9
White . . . . .	66.8	57.0	72.0	66.1	79.2
Black . . . . .	111.5	97.8	135.0	107.2	93.9
Louisiana . . . . .	82.2	72.4	92.7	74.1	86.6
White . . . . .	73.2	59.3	80.7	68.5	86.3
Black . . . . .	102.2	90.3	127.1	88.1	88.3
Oklahoma . . . . .	76.2	69.1	82.4	70.5	82.5
White . . . . .	70.1	61.8	74.6	66.3	80.8
Black . . . . .	110.0	91.2	133.1	98.0	105.9
<b>Mountain</b>					
Montana . . . . .	78.0	50.0	87.2	82.1	94.5
White . . . . .	74.3	41.6	83.7	79.5	92.7
Black . . . . .	*198.5	*	*162.4	*225.4	*428.6
Idaho . . . . .	93.8	60.6	96.0	115.0	122.4
White . . . . .	93.4	59.6	95.0	115.2	122.2
Black . . . . .	147.1	*	*256.6	*	*

See notes at end of table.

**Table 10. Fertility rates by educational attainment of mother and race of child: 47 reporting States and the District of Columbia, 1980—Con.**

[Rates are live births per 1,000 women 15–44 years of age residing in the area in specified group. Figures for educational attainment not stated are distributed]

Area <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0–11 years	12 years	13–15 years	16 years or more
Mountain—Con.					
Wyoming . . . . .	94.7	74.2	99.9	100.4	108.2
White . . . . .	93.1	71.5	98.5	99.2	106.8
Black . . . . .	154.9	*139.9	131.2	*178.6	*
Colorado . . . . .	67.8	57.1	74.9	65.1	70.8
White . . . . .	66.2	56.6	72.5	63.9	69.5
Black . . . . .	92.0	73.2	114.1	79.6	90.5
New Mexico . . . . .	84.0	77.9	94.9	72.7	81.7
White . . . . .	78.8	71.5	88.3	69.6	79.4
Black . . . . .	116.9	85.2	157.7	79.5	175.1
Arizona . . . . .	80.1	80.5	83.9	76.8	73.2
White . . . . .	75.0	75.2	77.4	72.8	71.6
Black . . . . .	122.2	108.6	134.9	135.8	87.1
Utah . . . . .	123.0	68.9	125.7	147.3	166.9
White . . . . .	122.8	66.6	125.4	147.3	167.2
Black . . . . .	109.8	85.8	136.1	111.5	*
Nevada . . . . .	68.3	55.9	73.8	70.2	73.5
White . . . . .	64.7	52.5	68.8	68.0	71.7
Black . . . . .	97.5	78.4	121.8	85.4	84.5
Pacific <sup>3</sup>					
Oregon . . . . .	69.4	60.1	71.0	71.9	76.4
White . . . . .	67.8	57.6	69.6	70.9	74.5
Black . . . . .	117.3	93.5	122.2	129.6	152.1
Alaska . . . . .	90.4	68.8	97.2	99.0	90.7
White . . . . .	79.2	48.2	83.9	89.4	85.8
Black . . . . .	135.4	81.2	157.1	130.8	*160.5
Hawaii . . . . .	78.8	53.4	94.9	77.5	79.0
White . . . . .	51.0	31.1	59.3	50.6	51.8
Black . . . . .	170.4	139.7	184.6	171.4	148.6

<sup>1</sup>Totals for geographic areas include races other than white and black.

<sup>2</sup>Excludes data for Texas, which did not report educational attainment of mother on birth certificate.

<sup>3</sup>Excludes data for California and Washington, which did not report educational attainment of mother on birth certificate.

NOTE: Fertility rates in this table may differ from those previously published by the National Center for Health Statistics. (See Taffel SM. Birth and fertility rates for States, United States, 1980. Vital Health Stat 21(42). 1984.) The rates in this table are based on populations from a sample of the 1980 census of population; the previously published rates were based on complete counts from the census.

**Table 11. Fertility rates by educational attainment of mother and race of child: 15 largest reporting States, 1985**

[Rates are live births per 1,000 women 15-44 years of age residing in the area in specified group. Figures for educational attainment not stated are distributed]

Area <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
Total, 15 largest States . . . . .	62.6	56.9	64.8	63.1	64.2
White . . . . .	59.3	49.4	61.1	61.2	64.8
Black . . . . .	80.1	84.2	84.6	73.3	60.8
Florida . . . . .	64.9	67.7	66.5	63.0	58.6
White . . . . .	61.6	63.9	60.6	62.1	60.8
Black . . . . .	79.5	79.1	95.5	65.1	*46.8
Georgia . . . . .	70.4	69.8	67.6	75.1	75.2
White . . . . .	63.0	63.9	58.0	66.8	71.5
Black . . . . .	90.2	80.5	92.4	*113.9	*86.1
Illinois . . . . .	67.4	73.6	67.2	60.6	69.5
White . . . . .	63.8	63.4	62.0	60.6	72.2
Black . . . . .	89.8	109.9	103.5	63.4	*60.4
Indiana . . . . .	58.8	55.7	59.3	65.6	54.9
White . . . . .	56.3	49.4	57.2	63.4	56.7
Black . . . . .	94.7	*187.0	*84.1	*84.8	*45.6
Massachusetts . . . . .	55.6	37.3	60.5	58.1	63.0
White . . . . .	53.5	32.7	58.7	57.2	61.2
Black . . . . .	*82.7	*88.6	*78.4	*68.0	*149.5
Michigan . . . . .	62.3	54.3	64.9	59.3	73.9
White . . . . .	61.7	50.7	64.5	58.5	75.7
Black . . . . .	68.9	70.7	69.0	*64.9	*75.2
Missouri . . . . .	66.0	69.1	70.9	60.5	58.2
White . . . . .	62.7	61.5	66.0	57.3	62.7
Black . . . . .	97.1	*108.5	*112.7	*90.5	43.3
New Jersey . . . . .	56.1	45.7	56.5	53.6	68.6
White . . . . .	53.5	40.5	53.0	50.2	68.9
Black . . . . .	66.7	58.2	70.5	*82.2	*59.9
New York . . . . .	61.0	50.0	71.8	62.4	54.1
White . . . . .	57.6	41.3	67.5	62.0	55.0
Black . . . . .	75.1	78.7	88.3	64.6	46.0
North Carolina . . . . .	62.3	60.2	62.8	65.5	60.7
White . . . . .	57.2	50.3	57.8	63.1	59.0
Black . . . . .	75.3	84.9	73.1	*73.2	*62.3
Ohio . . . . .	64.1	55.8	63.8	72.4	69.1
White . . . . .	61.5	51.5	61.6	69.4	67.4
Black . . . . .	84.3	81.9	78.5	*93.4	*118.9
Pennsylvania . . . . .	60.6	47.3	61.4	68.2	70.3
White . . . . .	57.4	40.4	58.0	66.8	70.1
Black . . . . .	89.9	85.4	97.2	*78.0	*96.7
Tennessee . . . . .	59.6	59.0	59.9	58.7	60.8
White . . . . .	55.5	52.5	55.7	54.6	62.2
Black . . . . .	76.8	*86.5	79.8	*74.5	*46.7
Virginia . . . . .	60.6	49.7	59.6	61.3	78.5
White . . . . .	57.6	39.9	57.3	59.0	80.6
Black . . . . .	69.0	79.3	66.2	*64.5	*61.1
Wisconsin . . . . .	71.2	72.0	74.5	69.3	65.1
White . . . . .	66.6	54.7	72.7	66.0	62.8
Black . . . . .	*145.2	*231.8	*91.3	*236.5	*160.6

<sup>1</sup>Totals for geographic areas include races other than white and black.

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.



**Table 12. Birth rates by educational attainment and age of mother and race of child: 15 largest reporting States, 1980**

[Rates are live births per 1,000 women residing in the area in specified group. Figures for educational attainment not stated are distributed]

State <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
Total, 15 largest States					
All races:					
15-44 years . . . . .	63.7	52.5	71.2	60.0	70.9
15-19 years . . . . .	48.0	41.9	73.4	23.4	155.7
20-24 years . . . . .	105.8	159.4	133.9	58.2	42.5
25-29 years . . . . .	109.3	85.8	112.1	118.3	111.4
30-34 years . . . . .	59.6	39.6	49.1	63.8	96.0
35-44 years . . . . .	11.6	9.9	9.7	12.1	20.2
White:					
15-44 years . . . . .	59.9	46.2	66.7	57.5	70.1
15-19 years . . . . .	38.4	33.5	58.9	18.1	120.8
20-24 years . . . . .	99.2	157.4	127.8	52.3	38.6
25-29 years . . . . .	109.7	83.3	111.5	120.8	111.3
30-34 years . . . . .	58.8	37.0	47.0	63.8	95.8
35-44 years . . . . .	10.8	9.0	8.7	11.5	19.3
Black:					
15-44 years . . . . .	84.4	76.6	99.5	74.7	74.9
15-19 years . . . . .	98.5	82.9	168.4	72.7	*
20-24 years . . . . .	141.8	164.2	169.1	94.2	78.7
25-29 years . . . . .	105.0	90.5	112.8	105.1	107.5
30-34 years . . . . .	59.2	45.4	59.4	61.7	90.0
35-44 years . . . . .	15.2	12.5	15.9	15.5	23.7
Florida					
All races:					
15-44 years . . . . .	64.0	60.1	69.5	58.1	65.7
15-19 years . . . . .	58.5	52.4	84.9	28.4	*
20-24 years . . . . .	113.0	165.2	134.4	67.6	52.1
25-29 years . . . . .	101.1	90.0	100.6	104.4	107.8
30-34 years . . . . .	53.4	42.0	43.2	56.9	84.6
35-44 years . . . . .	10.5	10.2	8.6	10.8	16.9
White:					
15-44 years . . . . .	56.8	49.5	60.5	54.8	64.8
15-19 years . . . . .	42.6	38.8	59.5	20.0	*
20-24 years . . . . .	102.2	158.3	122.1	60.8	47.2
25-29 years . . . . .	98.1	80.6	95.5	104.7	107.9
30-34 years . . . . .	51.0	34.1	39.9	56.3	83.2
35-44 years . . . . .	9.2	7.7	7.4	9.8	16.6
Black:					
15-44 years . . . . .	100.9	95.0	123.6	79.2	73.9
15-19 years . . . . .	124.6	105.1	212.4	70.2	*
20-24 years . . . . .	164.9	190.3	195.4	104.2	90.8
25-29 years . . . . .	116.6	115.0	126.3	102.0	112.1
30-34 years . . . . .	66.4	62.9	65.3	59.4	97.4
35-44 years . . . . .	17.9	17.3	18.6	19.1	16.8
Georgia					
All races:					
15-44 years . . . . .	69.6	63.0	78.1	62.1	71.1
15-19 years . . . . .	71.8	64.2	107.7	28.0	*
20-24 years . . . . .	122.7	158.6	150.4	70.6	50.8
25-29 years . . . . .	101.4	77.7	103.8	114.3	110.2
30-34 years . . . . .	54.8	35.9	45.6	61.5	92.4
35-44 years . . . . .	10.6	10.0	9.1	9.8	18.0
White:					
15-44 years . . . . .	61.1	54.5	64.9	57.0	70.3
15-19 years . . . . .	53.6	50.2	73.7	17.3	*
20-24 years . . . . .	111.3	155.5	138.5	62.1	45.6
25-29 years . . . . .	100.1	73.0	98.2	115.1	112.9
30-34 years . . . . .	52.4	31.3	38.6	61.0	92.1
35-44 years . . . . .	8.9	8.0	6.8	8.9	17.1
Black:					
15-44 years . . . . .	91.0	78.3	114.1	79.4	73.7
15-19 years . . . . .	109.6	91.5	187.9	61.8	*
20-24 years . . . . .	148.7	165.4	174.5	94.6	71.6
25-29 years . . . . .	104.2	84.4	115.9	110.1	100.6
30-34 years . . . . .	60.5	43.1	65.1	64.7	88.8
35-44 years . . . . .	16.0	13.1	19.1	14.5	23.5

See notes at end of table.

**Table 12. Birth rates by educational attainment and age of mother and race of child: 15 largest reporting States, 1980—Con.**

[Rates are live births per 1,000 women residing in the area in specified group. Figures for educational attainment not stated are distributed]

State <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
<b>Illinois</b>					
All races:					
15-44 years . . . . .	71.3	66.5	75.2	68.0	74.7
15-19 years . . . . .	55.9	49.2	82.4	35.7	*
20-24 years . . . . .	115.5	189.0	138.9	68.9	43.2
25-29 years . . . . .	118.7	114.7	117.3	126.5	116.1
30-34 years . . . . .	66.8	55.7	52.2	69.7	101.8
35-44 years . . . . .	14.0	14.3	10.5	15.1	22.5
White:					
15-44 years . . . . .	66.5	58.4	69.8	64.5	75.1
15-19 years . . . . .	41.5	36.3	62.3	21.1	*
20-24 years . . . . .	107.1	192.0	130.6	59.5	39.1
25-29 years . . . . .	120.4	117.8	116.7	130.3	119.2
30-34 years . . . . .	66.8	56.1	50.4	70.8	103.2
35-44 years . . . . .	13.2	14.0	9.6	14.6	21.3
Black:					
15-44 years . . . . .	95.2	94.5	109.4	83.9	68.2
15-19 years . . . . .	122.3	103.6	198.0	128.5	*
20-24 years . . . . .	158.2	183.3	187.4	115.2	76.2
25-29 years . . . . .	111.5	107.0	120.0	113.0	91.8
30-34 years . . . . .	62.0	52.4	61.1	62.8	85.0
35-44 years . . . . .	16.4	14.5	16.4	16.1	24.4
<b>Indiana</b>					
All races:					
15-44 years . . . . .	69.1	56.9	74.4	68.1	83.0
15-19 years . . . . .	57.5	49.7	87.4	28.1	*
20-24 years . . . . .	123.3	166.9	148.5	67.5	57.2
25-29 years . . . . .	113.0	78.4	107.8	137.5	136.5
30-34 years . . . . .	54.2	35.5	42.6	65.0	101.2
35-44 years . . . . .	9.8	9.4	7.9	11.2	18.3
White:					
15-44 years . . . . .	67.0	54.2	72.1	66.2	82.8
15-19 years . . . . .	52.2	45.4	78.2	23.2	*
20-24 years . . . . .	120.6	167.2	146.1	63.5	55.2
25-29 years . . . . .	112.8	77.1	107.3	137.9	136.5
30-34 years . . . . .	53.8	35.3	41.0	65.5	101.8
35-44 years . . . . .	9.4	9.3	7.4	10.7	18.1
Black:					
15-44 years . . . . .	93.2	81.9	107.7	87.7	83.3
15-19 years . . . . .	111.9	90.3	207.7	81.4	*
20-24 years . . . . .	152.6	165.8	174.3	112.6	86.2
25-29 years . . . . .	115.7	90.9	113.8	136.7	137.5
30-34 years . . . . .	56.4	37.3	61.7	55.4	79.2
35-44 years . . . . .	14.0	10.6	14.8	16.7	19.3
<b>Massachusetts</b>					
All races:					
15-44 years . . . . .	53.5	39.8	61.3	48.4	63.0
15-19 years . . . . .	28.1	24.6	44.0	11.7	*
20-24 years . . . . .	76.2	148.0	114.2	38.0	28.3
25-29 years . . . . .	100.2	86.5	108.4	108.8	88.4
30-34 years . . . . .	62.6	39.3	48.2	59.9	94.4
35-44 years . . . . .	12.2	8.7	9.3	12.1	22.5
White:					
15-44 years . . . . .	51.8	37.5	59.3	47.3	61.4
15-19 years . . . . .	25.6	22.4	40.0	10.0	*
20-24 years . . . . .	73.2	147.1	110.8	36.1	26.3
25-29 years . . . . .	99.1	84.4	107.2	108.8	86.7
30-34 years . . . . .	61.4	37.8	46.6	59.3	92.4
35-44 years . . . . .	11.7	8.0	8.8	11.6	21.7
Black:					
15-44 years . . . . .	82.6	66.6	98.3	75.8	96.9
15-19 years . . . . .	76.9	62.8	131.9	51.9	*
20-24 years . . . . .	134.4	162.2	172.3	88.3	75.7
25-29 years . . . . .	115.2	92.4	123.5	115.9	128.0
30-34 years . . . . .	71.6	45.5	70.5	71.5	122.9
35-44 years . . . . .	19.8	14.7	18.4	21.2	43.4

See notes at end of table.

**Table 12. Birth rates by educational attainment and age of mother and race of child: 15 largest reporting States, 1980—Con.**

[Rates are live births per 1,000 women residing in the area in specified group. Figures for educational attainment not stated are distributed]

State <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
<b>Michigan</b>					
All races:					
15-44 years	66.4	51.2	73.8	66.6	75.7
15-19 years	45.0	39.1	68.3	25.1	*
20-24 years	113.3	157.8	139.1	67.9	44.5
25-29 years	116.3	81.9	118.0	127.3	123.8
30-34 years	58.1	35.7	46.0	63.9	100.9
35-44 years	10.4	8.4	8.3	12.0	19.4
White:					
15-44 years	63.9	45.9	71.4	65.1	74.5
15-19 years	37.3	32.1	57.5	16.1	*
20-24 years	109.9	160.6	136.8	62.7	40.4
25-29 years	118.4	81.4	119.0	132.7	123.3
30-34 years	58.0	34.6	44.7	64.3	101.2
35-44 years	9.7	7.5	7.7	11.3	18.3
Black:					
15-44 years	80.7	74.2	91.4	74.6	77.9
15-19 years	92.5	78.8	150.2	83.9	*
20-24 years	133.5	148.2	155.9	99.7	77.5
25-29 years	102.6	83.7	111.2	98.7	119.9
30-34 years	55.0	36.3	53.0	61.4	86.7
35-44 years	13.8	10.9	13.2	15.3	23.4
<b>Missouri</b>					
All races:					
15-44 years	70.9	58.1	76.6	71.1	82.2
15-19 years	57.7	49.6	89.6	31.4	*
20-24 years	122.8	173.1	151.3	72.6	57.3
25-29 years	117.2	87.0	113.4	134.2	129.8
30-34 years	60.7	38.0	47.9	69.7	103.4
35-44 years	11.6	9.8	9.5	13.5	21.2
White:					
15-44 years	67.9	52.3	73.8	68.4	81.8
15-19 years	49.4	42.1	77.7	23.8	*
20-24 years	118.2	171.8	147.9	66.5	55.5
25-29 years	118.2	84.2	114.7	136.1	129.8
30-34 years	60.0	34.8	47.0	68.8	103.4
35-44 years	11.1	9.2	9.2	12.7	20.6
Black:					
15-44 years	93.8	90.5	102.5	90.0	78.6
15-19 years	115.2	97.0	200.1	97.8	*
20-24 years	156.0	182.6	177.7	117.0	79.0
25-29 years	108.1	99.3	101.4	121.1	121.1
30-34 years	63.2	51.9	56.4	73.6	90.3
35-44 years	14.3	13.5	12.3	18.1	19.3
<b>New Jersey</b>					
All races:					
15-44 years	57.3	43.4	62.3	54.2	73.5
15-19 years	35.2	29.8	56.2	25.6	*
20-24 years	87.2	158.1	106.3	47.8	41.1
25-29 years	110.4	86.3	113.3	111.9	117.3
30-34 years	65.7	41.0	55.0	65.2	102.4
35-44 years	12.6	10.3	10.2	11.3	23.0
White:					
15-44 years	53.1	35.7	57.9	51.3	71.9
15-19 years	23.4	19.8	36.9	17.9	*
20-24 years	76.8	149.1	96.6	40.0	35.8
25-29 years	111.6	86.1	114.8	114.1	115.8
30-34 years	66.2	41.7	54.5	66.5	101.7
35-44 years	12.0	10.1	9.5	10.9	21.6
Black:					
15-44 years	80.2	73.9	88.0	71.6	91.9
15-19 years	96.2	78.5	174.2	82.9	*
20-24 years	144.3	186.2	159.7	96.4	93.7
25-29 years	102.5	86.0	103.6	101.7	131.3
30-34 years	59.2	39.2	54.8	58.4	132.5
35-44 years	14.5	11.1	14.4	13.2	29.0

See notes at end of table.

**Table 12. Birth rates by educational attainment and age of mother and race of child; 15 largest reporting States, 1980—Con.**

[Rates are live births per 1,000 women residing in the area in specified group. Figures for educational attainment not stated are distributed]

State <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
<b>New York</b>					
All races:					
15-44 years . . . . .	58.4	45.7	71.6	52.6	58.6
15-19 years . . . . .	34.8	30.7	54.6	16.3	*
20-24 years . . . . .	89.1	141.9	127.9	45.7	31.6
25-29 years . . . . .	107.2	91.1	127.0	107.1	87.8
30-34 years . . . . .	65.8	46.7	63.8	64.8	84.5
35-44 years . . . . .	14.6	12.2	13.8	13.3	21.0
White:					
15-44 years . . . . .	54.4	38.8	66.6	50.4	57.1
15-19 years . . . . .	26.3	23.1	41.6	10.7	*
20-24 years . . . . .	80.6	137.0	119.3	40.0	27.9
25-29 years . . . . .	105.7	85.3	124.8	109.5	85.9
30-34 years . . . . .	64.0	42.9	59.5	64.8	83.8
35-44 years . . . . .	13.2	10.8	11.9	12.1	19.9
Black:					
15-44 years . . . . .	73.3	64.3	90.4	63.3	65.7
15-19 years . . . . .	73.0	61.3	133.4	53.2	*
20-24 years . . . . .	127.1	144.1	165.8	78.7	66.5
25-29 years . . . . .	107.0	94.7	125.3	96.4	94.4
30-34 years . . . . .	66.4	50.2	75.2	61.5	82.0
35-44 years . . . . .	18.3	14.8	20.2	17.0	26.2
<b>North Carolina</b>					
All races:					
15-44 years . . . . .	60.6	53.8	66.8	54.1	70.6
15-19 years . . . . .	57.5	53.6	79.4	23.2	*
20-24 years . . . . .	105.9	145.6	136.7	57.2	47.5
25-29 years . . . . .	95.8	71.2	94.6	105.9	113.0
30-34 years . . . . .	47.6	29.9	37.9	53.2	90.7
35-44 years . . . . .	8.6	7.4	7.4	8.4	16.5
White:					
15-44 years . . . . .	54.8	46.3	58.3	51.7	70.0
15-19 years . . . . .	44.9	42.9	59.5	13.0	*
20-24 years . . . . .	97.5	142.5	128.5	52.3	40.9
25-29 years . . . . .	96.3	66.5	91.9	109.5	114.7
30-34 years . . . . .	46.8	26.2	33.9	54.0	92.0
35-44 years . . . . .	7.4	5.7	5.9	7.8	15.5
Black:					
15-44 years . . . . .	76.8	68.8	93.6	62.1	69.8
15-19 years . . . . .	87.5	77.5	135.6	51.9	*
20-24 years . . . . .	126.3	147.2	156.3	72.1	78.4
25-29 years . . . . .	92.4	75.9	100.1	93.4	98.2
30-34 years . . . . .	48.2	35.9	50.1	48.3	78.8
35-44 years . . . . .	12.6	10.4	14.2	11.0	19.4
<b>Ohio</b>					
All races:					
15-44 years . . . . .	67.5	52.8	74.8	67.0	78.1
15-19 years . . . . .	52.5	43.7	84.8	28.4	*
20-24 years . . . . .	117.3	165.9	141.5	65.2	45.8
25-29 years . . . . .	114.4	80.3	113.3	131.7	127.5
30-34 years . . . . .	57.1	34.2	45.9	67.1	102.7
35-44 years . . . . .	10.2	8.5	8.5	12.5	17.7
White:					
15-44 years . . . . .	65.1	49.2	72.3	64.1	77.3
15-19 years . . . . .	46.1	38.6	74.3	19.8	*
20-24 years . . . . .	113.1	165.0	137.8	58.8	42.9
25-29 years . . . . .	115.1	79.2	113.7	134.3	127.2
30-34 years . . . . .	56.8	33.1	45.2	66.2	103.0
35-44 years . . . . .	9.7	8.2	8.1	12.0	16.9
Black:					
15-44 years . . . . .	86.7	75.5	97.4	87.1	83.3
15-19 years . . . . .	100.0	80.0	180.0	91.1	*
20-24 years . . . . .	148.9	169.8	170.6	111.2	75.8
25-29 years . . . . .	108.5	86.6	109.5	116.8	128.0
30-34 years . . . . .	56.7	40.4	50.9	71.8	91.1
35-44 years . . . . .	12.5	10.3	11.9	14.9	23.2

See notes at end of table.

**Table 12. Birth rates by educational attainment and age of mother and race of child: 15 largest reporting States, 1980—Con.**

[Rates are live births per 1,000 women residing in the area in specified group. Figures for educational attainment not stated are distributed]

State <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
<b>Pennsylvania</b>					
All races:					
15-44 years . . . . .	60.1	43.8	67.2	56.7	73.5
15-19 years . . . . .	40.6	33.3	65.7	18.2	*
20-24 years . . . . .	97.5	150.7	122.8	48.2	40.7
25-29 years . . . . .	109.8	80.1	110.7	121.6	115.1
30-34 years . . . . .	58.4	34.9	48.1	66.8	100.3
35-44 years . . . . .	10.4	8.1	8.9	12.1	19.5
White:					
15-44 years . . . . .	58.2	39.7	65.1	55.4	72.8
15-19 years . . . . .	34.5	27.8	56.8	14.5	*
20-24 years . . . . .	93.4	150.8	119.0	44.7	37.5
25-29 years . . . . .	111.2	80.4	111.6	124.5	115.2
30-34 years . . . . .	58.5	33.7	47.8	66.8	99.8
35-44 years . . . . .	10.3	8.4	8.6	12.3	18.7
Black:					
15-44 years . . . . .	75.9	66.8	86.9	68.2	76.6
15-19 years . . . . .	91.4	74.2	162.4	62.1	*
20-24 years . . . . .	132.0	149.1	157.4	80.6	86.8
25-29 years . . . . .	94.6	75.7	100.0	99.9	100.2
30-34 years . . . . .	51.6	37.1	47.8	63.5	90.7
35-44 years . . . . .	9.8	5.6	11.0	9.7	25.2
<b>Tennessee</b>					
All races:					
15-44 years . . . . .	64.2	58.1	68.7	60.2	73.6
15-19 years . . . . .	64.1	58.9	91.5	28.4	*
20-24 years . . . . .	114.9	159.4	136.7	66.4	56.5
25-29 years . . . . .	98.4	73.8	95.8	112.8	118.5
30-34 years . . . . .	48.5	33.6	39.6	55.9	87.2
35-44 years . . . . .	9.3	8.5	7.8	10.3	17.0
White:					
15-44 years . . . . .	59.5	53.5	62.5	55.5	72.8
15-19 years . . . . .	54.9	51.9	74.9	16.2	*
20-24 years . . . . .	109.2	155.5	130.8	59.2	51.2
25-29 years . . . . .	97.8	72.8	93.6	113.4	119.7
30-34 years . . . . .	46.3	29.8	36.8	53.4	87.3
35-44 years . . . . .	8.6	7.8	7.2	9.5	15.8
Black:					
15-44 years . . . . .	86.5	76.8	101.9	81.4	76.0
15-19 years . . . . .	101.3	86.3	166.4	75.5	*
20-24 years . . . . .	138.0	174.1	161.2	92.6	86.6
25-29 years . . . . .	99.8	77.9	104.9	109.8	108.0
30-34 years . . . . .	58.7	48.6	55.0	68.2	81.3
35-44 years . . . . .	13.6	11.0	13.4	17.0	22.8
<b>Virginia</b>					
All races:					
15-44 years . . . . .	59.9	49.0	67.3	54.9	70.8
15-19 years . . . . .	48.4	43.3	72.8	21.6	*
20-24 years . . . . .	97.9	147.8	126.3	54.0	39.1
25-29 years . . . . .	100.0	76.2	99.3	108.5	109.7
30-34 years . . . . .	57.3	33.2	43.0	59.8	98.7
35-44 years . . . . .	11.4	7.8	9.1	12.0	21.7
White:					
15-44 years . . . . .	55.7	42.3	61.3	52.8	69.1
15-19 years . . . . .	38.2	33.8	58.3	15.6	*
20-24 years . . . . .	89.5	142.6	119.3	48.7	33.5
25-29 years . . . . .	100.3	73.4	97.5	112.6	108.4
30-34 years . . . . .	57.5	29.6	41.5	60.3	97.6
35-44 years . . . . .	10.9	7.0	8.1	11.8	21.1
Black:					
15-44 years . . . . .	76.2	67.0	93.1	64.6	77.1
15-19 years . . . . .	82.8	73.1	133.2	47.8	*
20-24 years . . . . .	128.1	160.0	150.8	75.3	81.0
25-29 years . . . . .	96.7	79.8	104.2	94.0	110.7
30-34 years . . . . .	51.2	40.2	47.5	55.2	89.3
35-44 years . . . . .	12.5	9.4	14.7	12.1	21.6

See notes at end of table.

**Table 12. Birth rates by educational attainment and age of mother and race of child: 15 largest reporting States, 1980—Con.**

[Rates are live births per 1,000 women residing in the area in specified group. Figures for educational attainment not stated are distributed]

State <sup>1</sup> and race of child	Total	Years of school completed by mother			
		0-11 years	12 years	13-15 years	16 years or more
Wisconsin					
All races:					
15-44 years . . . . .	69.1	44.9	77.6	69.9	84.5
15-19 years . . . . .	39.4	30.7	68.2	22.4	*
20-24 years . . . . .	112.3	160.4	143.6	64.7	49.7
25-29 years . . . . .	128.2	91.0	127.7	138.7	133.7
30-34 years . . . . .	66.9	39.9	52.0	70.8	113.1
35-44 years . . . . .	12.1	10.4	10.1	12.8	20.8
White:					
15-44 years . . . . .	67.2	39.3	76.1	68.8	83.9
15-19 years . . . . .	34.6	25.4	63.7	19.9	*
20-24 years . . . . .	109.3	157.3	141.3	62.4	48.4
25-29 years . . . . .	128.5	87.7	127.9	139.2	133.3
30-34 years . . . . .	67.1	39.1	51.9	71.0	112.5
35-44 years . . . . .	11.6	9.3	9.8	12.3	20.2
Black:					
15-44 years . . . . .	97.6	91.7	110.5	90.7	84.5
15-19 years . . . . .	125.3	114.3	174.1	93.2	*
20-24 years . . . . .	157.4	155.8	189.5	116.5	103.6
25-29 years . . . . .	115.0	87.1	124.9	126.2	127.1
30-34 years . . . . .	51.4	35.3	49.5	56.6	92.9
35-44 years . . . . .	17.3	13.5	17.6	25.3	*21.7

<sup>1</sup>Totals for States include races other than white and black.

NOTE: Fertility rates in this table may differ from those previously published by the National Center for Health Statistics. (See Taffel SM. Birth and fertility rates for States, United States, 1980. Vital Health Stat 21(42), 1984.) The rates in this table are based on populations from a sample of the 1980 census of population; the previously published rates were based on complete counts from the census.

**Table 13. Live births by educational attainment and age of mother and race of child: Total of 47 reporting States and the District of Columbia, 1980 and 1985**

[Figures for educational attainment not stated are distributed]

Age of mother and race of child	1985						1980					
	Total	Years of school completed by mother					Total	Years of school completed by mother				
		0-8 years	9-11 years	12 years	13-15 years	16 years or more		0-8 years	9-11 years	12 years	13-15 years	16 years or more
<b>All races<sup>1</sup></b>												
15-44 years . . . . .	2,911,216	104,190	495,433	1,239,575	585,733	486,285	2,867,869	122,735	557,560	1,270,945	514,145	402,484
15-19 years . . . . .	364,021	27,661	195,186	128,278	12,790	104	439,279	32,661	239,583	153,995	12,925	115
15-17 years . . . . .	130,417	16,896	101,562	11,769	184	-	158,383	19,520	123,605	15,043	215	-
18-19 years . . . . .	233,604	10,779	93,690	116,433	12,597	104	280,896	13,141	115,978	138,952	12,710	115
20-24 years . . . . .	882,134	28,046	174,030	472,519	170,340	37,198	973,745	33,143	189,318	535,711	175,675	39,898
25-29 years . . . . .	935,356	20,540	81,095	406,166	235,536	191,995	884,636	24,087	78,272	380,106	211,499	190,672
30-34 years . . . . .	538,122	12,908	30,243	176,066	129,087	184,780	434,383	15,906	32,165	153,626	92,640	140,046
35-39 years . . . . .	161,821	6,813	10,645	49,009	34,074	61,275	108,970	8,114	12,843	40,306	18,953	28,754
40-44 years . . . . .	20,794	1,922	2,251	6,885	3,683	6,053	17,652	2,452	3,081	6,878	2,349	2,892
<b>White</b>												
15-44 years . . . . .	2,299,050	74,173	334,163	982,232	478,489	429,992	2,277,266	89,850	382,351	1,026,709	424,090	354,266
15-19 years . . . . .	237,508	19,769	123,517	85,951	8,181	74	298,032	24,077	157,655	108,315	7,907	78
15-17 years . . . . .	77,415	11,014	59,200	7,089	112	-	97,032	13,368	74,409	9,124	131	-
18-19 years . . . . .	160,093	8,770	64,382	78,800	8,062	74	201,000	10,709	83,246	99,191	7,776	78
20-24 years . . . . .	681,066	22,470	126,264	369,832	131,431	31,041	770,236	26,418	138,015	435,128	137,558	33,087
25-29 years . . . . .	777,887	15,114	56,619	338,831	197,719	169,593	743,116	18,049	54,162	319,135	181,880	169,890
30-34 years . . . . .	451,436	8,724	19,217	143,604	109,794	170,060	362,502	11,504	21,456	126,250	78,972	124,320
35-39 years . . . . .	131,600	4,625	6,582	38,171	28,140	54,083	86,599	5,726	8,403	32,268	15,783	24,419
40-44 years . . . . .	16,230	1,271	1,383	5,361	3,000	5,214	13,174	1,632	1,914	5,361	1,878	2,389
<b>Black</b>												
15-44 years . . . . .	517,011	22,438	144,587	222,739	90,413	36,810	505,747	24,640	158,789	214,392	76,298	31,628
15-19 years . . . . .	116,312	6,935	66,239	38,902	4,213	21	130,431	7,429	76,014	42,277	4,681	30
15-17 years . . . . .	49,515	5,363	39,752	4,332	67	-	57,627	5,577	46,396	5,577	77	-
18-19 years . . . . .	66,797	1,574	26,496	34,559	4,145	21	72,804	1,852	29,618	36,700	4,604	30
20-24 years . . . . .	175,509	3,674	42,202	90,527	34,257	4,848	178,962	4,530	45,846	89,199	33,821	5,566
25-29 years . . . . .	127,859	3,433	21,138	56,540	31,605	15,136	115,612	3,795	21,126	52,210	24,384	14,097
30-34 years . . . . .	66,132	2,666	9,454	26,592	15,267	12,153	54,796	2,913	9,327	22,706	10,632	9,218
35-39 years . . . . .	22,452	1,409	3,452	8,820	4,539	4,230	17,070	1,671	3,919	6,645	2,402	2,433
40-44 years . . . . .	3,389	398	762	1,248	531	450	3,528	539	1,056	1,296	364	273

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

Table 14. Female population by educational attainment, age, and race: Total of 47 reporting States and the District of Columbia, 1980 and 1985

Age and race of woman	1985						1980					
	Total	Years of school completed by woman					Total	Years of school completed by woman				
		0-8 years	9-11 years	12 years	13-15 years	16 years or more		0-8 years	9-11 years	12 years	13-15 years	16 years or more
All races <sup>1</sup>												
Number in thousands												
15-44 years . . . . .	45,026	2,241	7,909	18,683	8,919	7,273	42,810	2,911	9,447	17,075	7,983	5,394
15-19 years . . . . .	7,320	884	4,086	1,809	537	4	8,533	1,091	5,028	1,929	485	1
15-17 years . . . . .	4,328	823	3,232	257	16	Z	5,036	985	3,952	95	5	Z
18-19 years . . . . .	2,992	61	853	1,552	522	4	3,497	106	1,076	1,834	481	1
20-24 years . . . . .	8,270	220	975	3,584	2,463	1,029	8,618	283	1,071	3,774	2,678	812
25-29 years . . . . .	8,452	225	763	3,832	1,764	1,868	7,857	309	857	3,556	1,714	1,621
30-34 years . . . . .	8,018	250	678	3,560	1,733	1,798	7,195	371	818	3,148	1,424	1,432
35-39 years . . . . .	7,129	327	677	3,119	1,355	1,651	5,752	395	842	2,629	970	917
40-44 years . . . . .	5,836	336	731	2,779	1,067	923	4,855	462	831	2,240	712	611
White												
15-44 years . . . . .	37,607	1,743	6,163	15,790	7,511	6,402	36,099	2,241	7,487	14,743	6,826	4,802
15-19 years . . . . .	5,974	675	3,321	1,500	473	4	7,066	850	4,149	1,652	414	1
15-17 years . . . . .	3,545	632	2,680	223	11	Z	4,151	769	3,302	76	4	Z
18-19 years . . . . .	2,429	43	641	1,278	462	4	2,915	81	847	1,576	411	1
20-24 years . . . . .	6,850	174	715	2,988	2,056	917	7,218	219	799	3,202	2,271	727
25-29 years . . . . .	7,011	169	573	3,186	1,440	1,643	6,607	232	631	2,849	1,450	1,445
30-34 years . . . . .	6,704	203	484	2,987	1,473	1,557	6,118	283	615	2,724	1,220	1,276
35-39 years . . . . .	6,076	272	512	2,670	1,159	1,463	4,930	303	649	2,319	846	813
40-44 years . . . . .	4,993	250	558	2,458	910	818	4,158	354	644	1,966	624	540
Black												
15-44 years . . . . .	6,339	415	1,570	2,567	1,197	590	5,801	560	1,772	2,069	992	408
15-19 years . . . . .	1,197	181	687	271	57	Z	1,310	213	787	248	62	Z
15-17 years . . . . .	690	166	494	26	4	Z	791	191	582	17	1	Z
18-19 years . . . . .	506	15	193	245	52	Z	519	21	205	231	61	Z
20-24 years . . . . .	1,223	33	229	536	347	78	1,237	52	247	514	356	68
25-29 years . . . . .	1,219	35	166	581	280	156	1,069	61	205	451	225	126
30-34 years . . . . .	1,104	42	177	508	214	163	897	69	183	372	171	101
35-39 years . . . . .	873	51	151	390	157	123	692	74	177	271	104	66
40-44 years . . . . .	722	72	160	280	141	70	598	90	173	213	74	48

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

NOTE: Excludes data for California, Texas, and Washington, which did not report educational attainment of mother on birth certificate.

SOURCE: U.S. Bureau of the Census (see technical notes).



**Table 15. Live births by race of child and female population 15-44 years of age by race: 47 reporting States and the District of Columbia, 1980**

Area	Live births			Women ages 15-44 years		
	All races <sup>1</sup>	White	Black	All races <sup>1</sup>	White	Black
<b>New England</b>						
Maine . . . . .	16,461	16,160	81	253,883	251,127	704
New Hampshire . . . . .	13,745	13,533	89	218,754	216,197	997
Vermont . . . . .	7,884	7,815	28	122,949	121,868	270
Massachusetts . . . . .	72,632	66,136	5,232	1,358,236	1,277,348	63,336
Rhode Island . . . . .	12,188	11,091	749	215,420	205,222	7,403
Connecticut . . . . .	38,781	33,608	4,656	720,114	653,048	59,398
<b>Middle Atlantic</b>						
New York . . . . .	239,011	180,145	49,488	4,092,304	3,311,785	674,961
New Jersey . . . . .	96,866	74,707	19,948	1,689,732	1,405,820	248,665
Pennsylvania . . . . .	158,823	137,094	19,858	2,640,725	2,356,008	261,719
<b>East North Central</b>						
Ohio . . . . .	169,148	144,118	23,418	2,505,001	2,214,833	270,082
Indiana . . . . .	88,440	78,079	9,656	1,279,711	1,165,800	103,574
Illinois . . . . .	190,058	140,660	41,378	2,666,465	2,175,144	434,519
Michigan . . . . .	145,509	119,087	24,109	2,191,648	1,863,585	298,650
Wisconsin . . . . .	74,825	68,552	4,755	1,083,493	1,020,706	48,689
<b>West North Central</b>						
Minnesota . . . . .	67,773	63,891	1,503	958,930	928,675	12,764
Iowa . . . . .	47,814	46,031	1,139	649,065	633,133	10,237
Missouri . . . . .	78,934	66,148	11,916	1,113,411	974,856	127,050
North Dakota . . . . .	11,982	10,985	109	145,358	139,276	494
South Dakota . . . . .	13,276	11,396	79	150,468	139,227	422
Nebraska . . . . .	27,352	25,461	1,307	353,391	336,477	11,996
Kansas . . . . .	40,716	36,299	3,441	529,873	489,605	30,078
<b>South Atlantic</b>						
Delaware . . . . .	9,413	7,134	2,184	143,630	116,708	25,100
Maryland . . . . .	59,932	40,451	17,917	1,042,235	754,437	265,118
District of Columbia . . . . .	9,361	1,407	7,839	170,038	50,443	117,019
Virginia . . . . .	78,443	57,490	19,193	1,308,656	1,031,501	251,987
West Virginia . . . . .	29,464	28,131	1,208	431,654	414,869	14,381
North Carolina . . . . .	84,496	57,292	24,954	1,394,410	1,044,665	324,863
South Carolina . . . . .	51,978	30,608	20,919	748,471	507,284	234,888
Georgia . . . . .	92,313	57,621	33,834	1,326,719	943,475	371,618
Florida . . . . .	131,795	96,375	33,956	2,059,621	1,695,766	336,500
<b>East South Central</b>						
Kentucky . . . . .	59,582	53,508	5,601	843,986	777,516	61,496
Tennessee . . . . .	69,219	53,072	15,570	1,078,212	891,473	179,874
Alabama . . . . .	63,503	40,692	22,437	898,215	657,202	234,782
Mississippi . . . . .	47,845	24,709	22,726	570,419	363,987	202,313
<b>West South Central<sup>2</sup></b>						
Arkansas . . . . .	37,278	27,702	9,215	502,667	414,626	82,647
Louisiana . . . . .	82,163	50,215	30,993	999,083	685,765	303,306
Oklahoma . . . . .	52,106	41,448	5,238	683,542	591,151	47,622
<b>Mountain</b>						
Montana . . . . .	14,206	12,737	54	182,017	171,455	272
Idaho . . . . .	20,167	19,584	79	214,922	209,771	537
Wyoming . . . . .	10,562	10,059	116	111,530	108,025	749
Colorado . . . . .	49,730	45,722	2,410	733,339	691,079	26,219
New Mexico . . . . .	26,115	21,671	649	310,792	274,958	5,545
Arizona . . . . .	50,048	42,186	2,123	624,878	562,211	17,358
Utah . . . . .	41,797	40,160	220	339,844	327,034	2,003
Nevada . . . . .	13,320	11,150	1,312	195,082	172,277	13,460
<b>Pacific<sup>3</sup></b>						
Oregon . . . . .	43,127	40,205	1,005	621,503	593,085	8,569
Alaska . . . . .	9,529	6,620	461	105,439	83,559	3,397
Hawaii . . . . .	18,161	4,324	595	230,461	84,791	3,485

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

<sup>2</sup>Data are not available for Texas, which did not report educational attainment of mother on birth certificate.

<sup>3</sup>Data are not available for California and Washington, which did not report educational attainment of mother on birth certificate.

NOTE: Populations in this table differ from those previously published by the National Center for Health Statistics. (See Taffel SM. Birth and fertility rates for States, United States, 1980. Vital Health Stat 21(42). 1984.) These populations are from a sample of the 1980 census of population; the previously published data were based on complete counts from the census.

**Table 16. Live births by race of child and female population 15–44 years of age by race: 15 largest reporting States, 1985**

State	Live births			Women ages 15–44 years		
	All races <sup>1</sup>	White	Black	All races <sup>1</sup>	White	Black
Total, 15 largest States . . . . .	1,820,600	1,433,500	350,616	29,106,000	24,179,000	4,377,000
Florida . . . . .	163,816	122,127	39,609	2,526,000	1,982,000	498,000
Georgia . . . . .	96,340	61,968	33,228	1,369,000	984,000	368,000
Illinois . . . . .	180,737	138,604	38,692	2,681,000	2,172,000	431,000
Indiana . . . . .	80,946	71,697	8,534	1,378,000	1,274,000	90,000
Massachusetts . . . . .	81,780	73,589	6,068	1,471,000	1,377,000	73,000
Michigan . . . . .	138,021	113,064	22,671	2,215,000	1,832,000	329,000
Missouri . . . . .	76,978	64,065	11,950	1,166,000	1,022,000	123,000
New Jersey . . . . .	105,566	81,764	20,564	1,880,000	1,527,000	308,000
New York . . . . .	259,465	192,964	57,485	4,257,000	3,348,000	766,000
North Carolina . . . . .	89,397	61,769	25,218	1,434,000	1,080,000	335,000
Ohio . . . . .	160,474	135,693	23,033	2,503,000	2,205,000	273,000
Pennsylvania . . . . .	160,528	136,063	22,338	2,650,000	2,371,000	249,000
Tennessee . . . . .	66,757	51,018	15,181	1,121,000	919,000	198,000
Virginia . . . . .	86,052	63,171	20,368	1,420,000	1,097,000	295,000
Wisconsin . . . . .	73,743	65,944	5,677	1,035,000	990,000	39,000

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

# Appendixes

## Contents

I.	Sources of data.....	39
	Births.....	39
	Population bases .....	39
II.	Reliability of rates .....	40

# Appendix I

## Sources of data

### Births

Data for 1985 are based on 100 percent of birth certificates for all States and the District of Columbia provided on computer tape to NCHS through the Vital Statistics Cooperative Program (VSCP). Data for 1980 are based on 100 percent of the birth certificates from 44 States participating in the VSCP and on a 50-percent sample from all other States. A more detailed explanation of the sampling procedure and sampling errors for 1980 is contained in the NCHS annual volume, *Vital Statistics of the United States, 1980, Volume I—Natality* (10).

Birth data used to compute rates by educational attainment are based on information obtained from the birth certificates from 47 States and the District of Columbia. California, Texas, and Washington did not report educational attainment in either 1980 or 1985.

For reporting States, in those instances where educational attainment was not stated (1.5 percent in 1985), the unknown cases were distributed in the same proportion as those of known educational attainment. When computing birth-order-specific rates for 1980 and 1985, births of unknown order (less than 1 percent) were omitted.

In 1980 and 1985, marital status for mothers in 41 States and the District of Columbia was derived directly from the reported marital status on birth certificates; for the remaining 9 States that did not request this information on the birth certificate (California, Connecticut, Maryland, Michigan, Montana, Nevada, New York, Ohio, and Texas), marital status was inferred from a comparison of the child's and parents' surnames. A detailed explanation of this procedure is presented elsewhere (10). In those instances where marital status was not stated (less than 1 percent in 1985), the births were included with those of married women for both 1980 and 1985.

The racial designation used in the report is that of the child, which is determined from the race of parents as entered on the birth certificate. When the parents are of different races and one parent is white, the child is assigned the other parent's race. When the parents are of different races and neither parent is white, the child is assigned the

father's race with one exception: If the mother is Hawaiian or part Hawaiian, the child is considered Hawaiian. When the race of one parent is missing on the certificate, the child is assigned the race of the other parent. When race is not reported for either parent, the child is assigned the race of the child on the immediately preceding birth certificate.

### Population bases

To compute birth rates by age and educational attainment for 1980 and 1985, tabulations of the female population by age, race, marital status, number of children, and educational attainment were obtained from data tapes provided by the U.S. Bureau of the Census. Data for California, Texas, and Washington were excluded because these States did not report educational attainment of the mother on the birth certificate for either year.

Birth and fertility rates for the total reporting areas and individual States for 1980 are based on the total resident populations of the respective areas. These populations exclude the Armed Forces abroad but include the Armed Forces stationed in each area. Students attending college are considered residents of the area in which they attend school.

Birth and fertility rates for the total reporting area and individual States for 1985 are based on population data from the Current Population Survey, June 1985: Marital History and Fertility. The survey sample consists of all persons in the civilian noninstitutionalized population of the United States living in households. Information on sampling procedures and survey methods is presented in a U.S. Bureau of the Census report (11).

All rates shown in this report were computed using unrounded populations.

The 1980 population data by race have been modified for this report to maintain comparability with previous census and vital statistics data series. Details of these modification procedures may be found in a U.S. Bureau of the Census publication (12).

## Appendix II Reliability of rates

*Births*—The birth data used for 1980 were derived from complete counts of the births for 44 States and from 50-percent samples of births occurring in the remaining 6 States and the District of Columbia. Birth data for 1985 were derived from complete counts of the births for all States. Because the numbers of births for most rates are relatively large, the standard error (expressed as a percent of the rate) is generally small. In cases where the rate is based on fewer than 20 births, the rate is marked with an asterisk (\*) to denote that it does not meet standards of reliability or precision.

*Population data*—The populations used to compute rates for 1980 are based on a very large sample of the 1980 census. Where the denominator for a rate is fewer than 300 estimated women, the rate is marked with an asterisk (\*). The populations used to compute rates for 1985 are based on the June 1985 Current Population Survey, a substantially smaller household survey. Where the denominator for a rate is fewer than 75,000 estimated women, the rate is marked with an asterisk. Rates shown with an asterisk should be considered with great caution. The sample esti-

mates on which they are based do not have sufficient reliability for many analytic purposes. These guidelines follow the suggestions of the U.S. Bureau of the Census (3,13). If neither the births nor the population meet these specified guidelines, an asterisk alone is shown. If the population is zero, a rate cannot be computed, and an asterisk alone is shown.

In accordance with NCHS editing procedures, when mothers ages 15–17 years are reported to have completed 16 years or more of schooling, the educational attainment is considered “not stated” because the reported age of mother and educational attainment level are not compatible. Consequently, no rates are computed for mothers ages 15–17 with 16 years or more of schooling. At the State level, no rates are shown for mothers ages 15–19 years with 16 years or more of schooling because the numbers of births and populations are very small.

Rates marked with an asterisk and rates based on few births or small populations (as indicated in tables 13–16) should be used with great caution. Care must be taken in the interpretation of small differences among such rates.

# Vital and Health Statistics series descriptions

- SERIES 1. Programs and Collection Procedures**—Reports describing the general programs of the National Center for Health Statistics and its offices and divisions and the data collection methods used. They also include definitions and other material necessary for understanding the data.
- SERIES 2. Data Evaluation and Methods Research**—Studies of new statistical methodology including experimental tests of new survey methods, studies of vital statistics collection methods, new analytical techniques, objective evaluations of reliability of collected data, and contributions to statistical theory. Studies also include comparison of U.S. methodology with those of other countries.
- SERIES 3. Analytical and Epidemiological Studies**—Reports presenting analytical or interpretive studies based on vital and health statistics, carrying the analysis further than the expository types of reports in the other series.
- SERIES 4. Documents and Committee Reports**—Final reports of major committees concerned with vital and health statistics and documents such as recommended model vital registration laws and revised birth and death certificates.
- SERIES 5. Comparative International Vital and Health Statistics Reports**—Analytical and descriptive reports comparing U.S. vital and health statistics with those of other countries.
- SERIES 6. Cognition and Survey Measurement**—Reports from the National Laboratory for Collaborative Research in Cognition and Survey Measurement using methods of cognitive science to design, evaluate, and test survey instruments.
- SERIES 10. Data From the National Health Interview Survey**—Statistics on illness, accidental injuries, disability, use of hospital, medical, dental, and other services, and other health-related topics, all based on data collected in the continuing national household interview survey.
- SERIES 11. Data From the National Health Examination Survey and the National Health and Nutrition Examination Survey**—Data from direct examination, testing, and measurement of national samples of the civilian noninstitutionalized population provide the basis for (1) estimates of the medically defined prevalence of specific diseases in the United States and the distributions of the population with respect to physical, physiological, and psychological characteristics and (2) analysis of relationships among the various measurements without reference to an explicit finite universe of persons.
- SERIES 12. Data From the Institutionalized Population Surveys**—Discontinued in 1975. Reports from these surveys are included in Series 13.
- SERIES 13. Data on Health Resources Utilization**—Statistics on the utilization of health manpower and facilities providing long-term care, ambulatory care, hospital care, and family planning services.
- SERIES 14. Data on Health Resources: Manpower and Facilities**—Statistics on the numbers, geographic distribution, and characteristics of health resources including physicians, dentists, nurses, other health occupations, hospitals, nursing homes, and outpatient facilities.
- SERIES 15. Data From Special Surveys**—Statistics on health and health-related topics collected in special surveys that are not a part of the continuing data systems of the National Center for Health Statistics.
- SERIES 16. Compilations of Advance Data From Vital and Health Statistics**—These reports provide early release of data from the National Center for Health Statistics' health and demographic surveys. Many of these releases are followed by detailed reports in the Vital and Health Statistics Series.
- SERIES 20. Data on Mortality**—Various statistics on mortality other than as included in regular annual or monthly reports. Special analyses by cause of death, age, and other demographic variables, geographic and time series analyses; and statistics on characteristics of deaths not available from the vital records based on sample surveys of those records.
- SERIES 21. Data on Natality, Marriage, and Divorce**—Various statistics on natality, marriage, and divorce other than as included in regular annual or monthly reports. Special analyses by demographic variables; geographic and time series analyses; studies of fertility; and statistics on characteristics of births not available from the vital records based on sample surveys of those records.
- SERIES 22. Data From the National Mortality and Natality Surveys**—Discontinued in 1975. Reports from these sample surveys based on vital records are included in Series 20 and 21, respectively.
- SERIES 23. Data From the National Survey of Family Growth**—Statistics on fertility, family formation and dissolution, family planning, and related maternal and infant health topics derived from a periodic survey of a nationwide probability sample of women 15–44 years of age.
- SERIES 24. Compilations of Data on Natality, Mortality, Marriage, Divorce, and Induced Terminations of Pregnancy**—Advance reports of births, deaths, marriages, and divorces are based on final data from the National Vital Statistics System and are published annually as supplements to the Monthly Vital Statistics Report (MVSR). These reports are followed by the publication of detailed data in Vital Statistics of the United States annual volumes. Other reports including induced terminations of pregnancy issued periodically as supplements to the MVSR provide selected findings based on data from the National Vital Statistics System and may be followed by detailed reports in Vital and Health Statistics Series.

For answers to questions about this report or for a list of titles of reports published in these series, contact:

Scientific and Technical Information Branch  
National Center for Health Statistics  
Centers for Disease Control  
Public Health Service  
Hyattsville, Md 20782  
301-436-8500

U.S. DEPARTMENT OF HEALTH AND  
HUMAN SERVICES  
Public Health Service  
Centers for Disease Control  
National Center for Health Statistics  
6525 Belcrest Road  
Hyattsville, Maryland 20782

---

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300

BULK RATE  
POSTAGE & FEES PAID  
PHS/NCHS  
PERMIT NO. G-281