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Total Fertility Rates by State and Race and Hispanic Origin: United States, 2017

by T.J. Mathews, M.S., and Brady E. Hamilton, Ph.D.

Abstract

Objectives—This report presents 2017 total fertility rates by state of residence and race and Hispanic origin of mother for the United States.

Methods—Data are from birth certificates of the 50 states and the District of Columbia. Total fertility rates, the expected

number of lifetime births per 1,000 women given current birth rates by age, are shown by state for all births, and for non-Hispanic single-race white, non-Hispanic single-race black, and Hispanic women for 2017.

Results—Total fertility rates varied by state for each race and Hispanic-origin group. In 2017, South Dakota (2,227.5) had

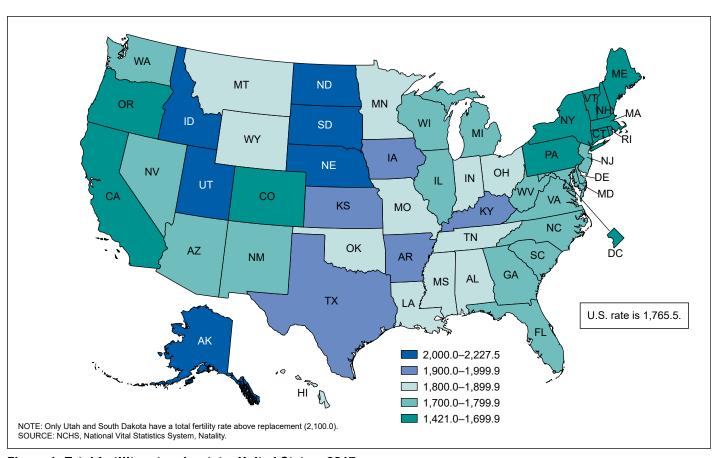


Figure 1. Total fertility rates, by state: United States, 2017





the highest total fertility rate of the 50 states and the District of Columbia; the District of Columbia had the lowest (1,421.0). For non-Hispanic white women, the highest total fertility rate was in Utah (2,099.5) and the lowest in the District of Columbia (1,012.0). Among non-Hispanic black women, the highest total fertility rate was in Maine (4,003.5) and the lowest in Wyoming (1,146.0) along with California (1,503.5), Connecticut (1,575.5), Montana (1,641.0), New Mexico (1,651.0), New York (1,574.5), Rhode Island (1,594.0), and West Virginia (1,579.5). For Hispanic women, the highest total fertility rate was in Alabama (3,085.0) and the lowest in Vermont (1,200.5) and Maine (1,281.5).

Keywords: birth rates • births • demographics • National Vital Statistics System

Introduction

Fertility levels directly impact the size and composition of the U.S. population. Family size is associated with female labor force participation (1) and economic growth (2), as well as other social and economic changes (3) both at the national and state levels. The total fertility rate (TFR) is defined as the expected number of births that a group of 1,000 women would have in their lifetimes according to the current age-specific birth rates. In addition to

measuring the fertility of women, the TFR, unlike other measures of fertility, including the general fertility rate and crude birth rate, also measures the potential growth of the population. A TFR of 2,100.0 births per 1,000 women is considered necessary to replace a population over time (4,5). Because it is based on agespecific birth rates, the TFR is age adjusted and can be compared across population groups and geographic areas (6).

This report describes patterns and variations in the 2017 total fertility rates by state for all women and for the three largest race and Hispanic-origin groups: non-Hispanic white, non-Hispanic black, and Hispanic.

Methods

Results shown in this report are based on birth certificate data for 2017 provided to the National Center for Health Statistics through the Vital Statistics Cooperative Program (6). Birth certificate data are based on 100% of births registered in the 50 states and the District of Columbia.

Information on the mother's race and Hispanic origin is self-reported on the birth certificate. This report shows total fertility rates by state for the three largest U.S. population groups: non-Hispanic white, non-Hispanic black, and Hispanic women.

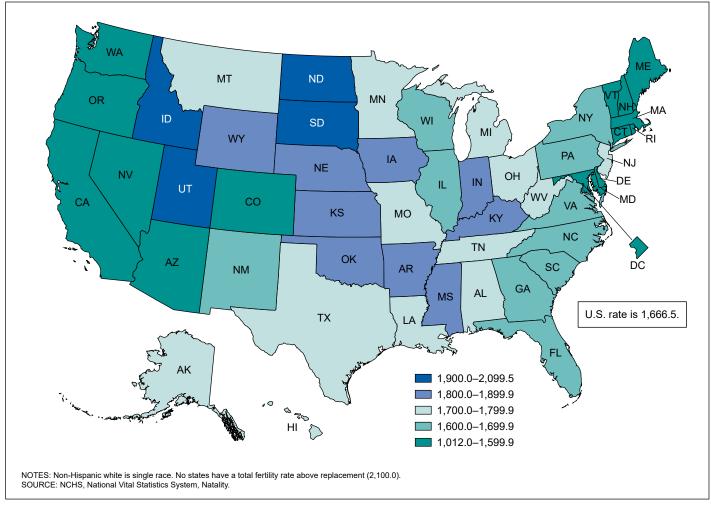


Figure 2. Total fertility rates for non-Hispanic white women, by state: United States, 2017

Total fertility rates (Table 1) are estimations of the number of births that a hypothetical group of 1,000 women would have over their lifetimes, based on age-specific birth rates in a given year (6,7). The TFR is calculated by summing the 5-year age-specific birth rates and multiplying by five. Replacement level fertility is a total fertility rate of 2,100.0 births per 1,000 women; this is the number of births required to sustain a population at the same level. The age-specific birth rates by state and race and Hispanic origin that serve as the basis for the TFRs are shown in Tables 2–5.

Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Persons of non-Hispanic origin are further classified by race because of differences in fertility and maternal characteristics between Hispanic and non-Hispanic persons (6,7). The race and Hispanic-origin groups shown in this report are based on the 1997 Office of Management and Budget standards, with race presented by single-race categories for non-Hispanic (white and black) women (8). Population data were provided by the U.S. Census Bureau (9).

Data shown in this report are based on 100% of births registered in the United States. While birth counts are complete, completeness of reporting (that is, missing information) differs by item. For this report, missing information on maternal age

(0.01%) and race (6.1%) was imputed (7). Hispanic origin was not reported for 0.8% of all 2017 birth records (7).

In computing birth and fertility rates for non-Hispanic women, births with Hispanic origin of mother not stated are included with non-Hispanic births by race of mother (Tables 2 and 3).

The differences in rates have been tested for statistical significance. A statement that a given rate is higher or lower than another rate indicates that the rates are statistically different at the significance level of 0.05.

Results

Total fertility rates for all women

- In 2017, South Dakota had the highest overall TFR in the United States (2,227.5 births per 1,000 women) (Table 1 and Figure 1).
- The District of Columbia had the lowest TFR in 2017 (1,421.0).
- In 2017, South Dakota (2,227.5) and Utah (2,120.5) were the only states with a TFR above replacement level (2,100.0).

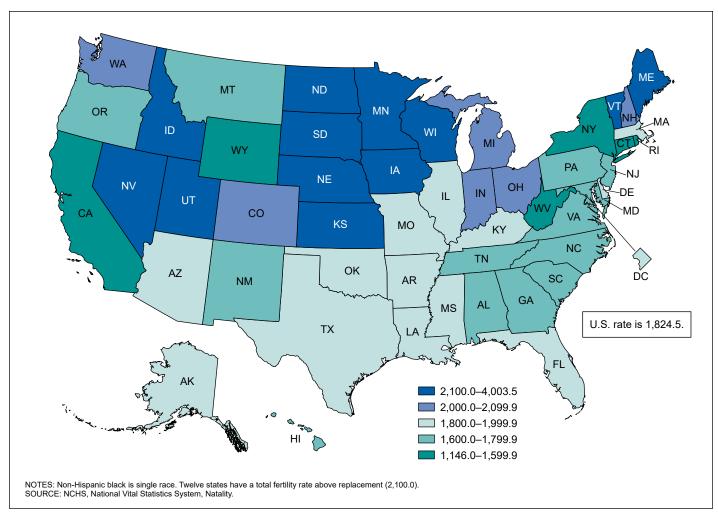


Figure 3. Total fertility rates for non-Hispanic black women, by state: United States, 2017

Total fertility rates for non-Hispanic white women

- For non-Hispanic white women in 2017, among the 50 states and District of Columbia, the TFR was highest in Utah (2,099.5) (Table 1 and Figure 2).
- The lowest TFR for non-Hispanic white women in 2017 was in the District of Columbia (1,012.0).
- No state had a TFR for non-Hispanic white women that was at or above the population replacement level (2,100.0) in 2017.

Total fertility rates for non-Hispanic black women

- In 2017, for non-Hispanic black women, the highest TFR was in Maine (4,003.5) (Table 1 and Figure 3).
- The states with the lowest TFR for non-Hispanic black women in 2017 were Wyoming (1,146.0), California (1,503.5), New York (1,574.5), Connecticut (1,575.5), West Virginia (1,579.5), Rhode Island (1,594.0), Montana (1,641.0), and New Mexico (1,651.0).

 In 2017, TFRs for non-Hispanic black women were above the replacement level of 2,100.0 in 12 states.

Total fertility rates for Hispanic women

- For Hispanic women in 2017, among the 50 states and District of Columbia, Alabama had the highest TFR (3,085.0) (Table 1 and Figure 4).
- The lowest TFRs for Hispanic women in 2017 were in Vermont (1,200.5) and Maine (1,281.5).
- In 2017, TFRs for Hispanic women were above the replacement level (2,100.0) in 29 states.

Discussion

This report shows a range in TFRs by state, both overall and for the three largest race and Hispanic-origin groups. Overall, the TFR varied by state, ranging from 2,227.5 (South Dakota) to 1,421.0 (District of Columbia), a difference of 57%.

Differences among states in TFRs varied by race and Hispanic origin. Among non-Hispanic white women, the highest rate (Utah) was more than double the lowest rate (District of Columbia). Among non-Hispanic black women, the TFR for

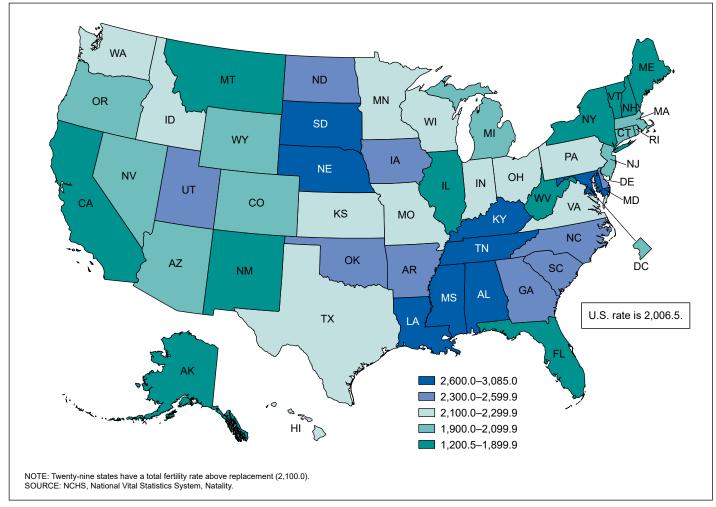


Figure 4. Total fertility rates for Hispanic women, by state: United States, 2017

Maine was 3.5 times higher than that for Wyoming. For Hispanic women, the highest rate in Alabama was 2.6 times higher than the lowest rate in Vermont. The TFRs for South Dakota were among the highest observed overall and for each of the three race and Hispanic-origin groups; TFRs for California, the state with the most births, were consistently among the lowest reported overall and for each group by state.

The 2017 TFR for the United States of 1,765.5 was 16% below what is considered the level for a population to replace itself (2,100.0). For overall population, only two states, South Dakota and Utah, had TFRs above replacement level. Among non-Hispanic white women, no states had a TFR above the replacement level (Utah was 2,099.5); among non-Hispanic black women, 12 states had TFRs above replacement; and among Hispanic women, 29 states had TFRs above 2,100.0. Although nearly all states lack a TFR that indicates their total population will increase due to births, these results demonstrate that there is variation in fertility patterns within states among groups according to race and Hispanic origin.

A potential limitation for some states presented in this report is that the number of births by maternal age and race and Hispanic origin, which serve as the basis for the age-specific birth rates used to compute total fertility rates, was small for some groups (Tables 2–5). Patterns in age-specific rates by race and Hispanic origin for states with a smaller number of events were reviewed for consistency with previous years and with other states and were found to be generally consistent from year to year. However, the TFRs reported here, particularly the highest or lowest rates for a given race and Hispanic-origin group, may reflect a relatively small number of births and population size for a given state.

This report provides recent TFRs at the state level by race and Hispanic origin that may help inform population shifts in the United States. The calculation of the TFR assumes that the current age-specific birth rates of women will remain constant over their reproductive lifetime. Thus, the TFR is an estimate of their possible completed fertility. However, the final completed fertility of women will depend on the actual age-specific birth rates that women will experience during their childbearing ages.

References

- Mishra V, Smyth R. Female labor force participation and total fertility rates in the OECD: New evidence from panel cointegration and Granger causality testing. J Econ Bus 62(1):48–64. 2010.
- Lee R, Mason A. Is low fertility really a problem? Population aging, dependency, and consumption. Science 346(6206):229–34. 2014.
- Cools S, Markussen S, Strom M. Children and careers: How family size affects parents' labor market outcomes in the long run. Demography 54(5):1773–93. 2017.
- Frejka T. Half the world's population reaching below replacement fertility. N-IUSSP. 2017. Available from: http://www.niussp.org/ article/half-the-worlds-population-reaching-below-replacementfertility/.

- Brainerd E. Can government policies reverse undesirable declines in fertility? IZA World of Labor (Institute for the Study of Labor) 23. 2014. Available from: https://wol.iza.org/uploads/articles/23/ pdfs/can-government-policies-reverse-undesirable-declines-infertility.pdf.
- Martin JA, Hamilton BE, Osterman MJK, Driscoll AK, Drake P. Births: Final data for 2017. National Vital Statistics Reports; vol 67 no 8. Hyattsville, MD: National Center for Health Statistics. 2018. Available from: https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_08-508.pdf.
- 7. National Center for Health Statistics. User guide to the 2017 natality public-use file. Hyattsville, MD. Available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/natality/UserGuide2017.pdf.
- 8. Office of Management and Budget. Revisions to the standards for the classification of federal data on race and ethnicity. Fed Regist 62(210):58782–90. 1997.
- U.S. Census Bureau. 2017 population estimates. Annual state resident population estimates for 6 race groups (5 race alone groups and two or more races) by age, sex, and Hispanic origin: April 1, 2010 to July 1, 2017. 2018. Available from: https://www2. census.gov/programs-surveys/popest/datasets/2010-2017/state/ asrh/sc-est2017-alldata6.csv.

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Table 1. Total fertility rates, by selected race and Hispanic origin of mother: United States and each state, 2017

[By place of residence. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5 for each specified race and Hispanic group in each area. Populations estimated as of July 1]

Area	All races and origins ²	White	Black	Hispanic ³
Inited States	1,765.5	1,666.5	1,824.5	2,006.5
Alabama	1,821.5	1,762.5	1,765.5	3,085.0
Alaska	2,021.0	1,793.5	1,899.5	1,868.5
Arizona	1,791.5	1,597.0	1,911.0	1,996.5
	1,906.0	1,811.5	1,973.5	2,365.5
Arkansas	*	•	**	
California	1,692.5	1,529.0	1,503.5	1,830.0
Colorado	1,630.0	1,469.0	2,000.5	1,945.5
Connecticut	1,591.5	1,475.5	1,575.5	1,936.0
Delaware	1,751.0	1,526.0	1,838.5	2,569.5
District of Columbia	1,421.0	1,012.0	1,816.0	1,952.5
lorida	1,713.5	1,610.0	1,959.5	1,774.0
ieorgia	1,788.0	1,686.5	1,745.5	2,443.0
ławaii	1,893.0	1,758.5	1,748.0	2,273.5
daho	2,012.0	1,982.5	3,005.5	2,190.0
llinois	1,733.0	1,642.5	1,900.5	1,873.5
ndiana	1,872.5	1,825.0	2,062.0	2,201.5
	*	,	,	,
owa	1,935.0	1,843.5	2,873.0	2,447.0
Kansas	1,926.5	1,884.0	2,107.0	2,263.5
Kentucky	1,903.5	1,870.0	1,894.0	2,739.5
ouisiana	1,876.0	1,781.5	1,904.0	2,712.5
Naine	1,581.0	1,544.5	4,003.5	1,281.5
Naryland	1,752.5	1,586.5	1,689.5	2,697.5
Massachusetts	1,506.0	1,362.5	1,891.0	2,020.5
/lichigan	1,761.5	1,701.0	2,006.0	1,920.5
/linnesota	1,872.5	1,727.0	2,900.0	2,168.0
	1,851.5	1,812.5	1,844.0	2,605.0
Aississippi	*	,	,	,
Aissouri	1,813.0	1,766.0	1,922.5	2,122.5
Montana	1,803.5	1,725.0	1,641.0	1,876.5
lebraska	2,061.5	1,890.0	2,453.5	2,801.5
levada	1,771.0	1,587.0	2,177.0	1,940.0
ew Hampshire	1,515.0	1,510.5	2,030.0	1,686.5
lew Jersey	1,755.0	1,715.0	1,672.5	2,007.0
New Mexico	1,756.5	1,619.0	1,651.0	1,815.0
lew York	1,654.5	1,635.0	1,574.5	1,810.0
North Carolina	1,767.0	1,622.0	1.691.0	2,596.5
North Dakota	2.065.0	1,905.0	3,243.0	2,460.0
	,	·	,	· ·
)hio	1,826.0	1,755.5	2,046.0	2,221.5
Oklahoma	1,897.0	1,802.5	1,815.5	2,356.5
Oregon	1,562.0	1,476.5	1,760.5	1,930.0
Pennsylvania	1,693.5	1,607.0	1,799.0	2,117.5
Rhode Island	1,508.5	1,343.0	1,594.0	2,048.0
South Carolina	1,731.0	1,657.0	1,668.5	2,569.0
South Dakota	2,227.5	2,013.0	3,156.0	2,710.0
ennessee	1,802.0	1,712.5	1,794.5	2,859.5
exas	1,916.0	1,708.5	1,828.5	2,136.5
Jtah.	2,120.5	2,099.5	2,406.5	2,324.5
	The state of the s		•	·
/ermont	1,519.5	1,534.0	2,391.5	1,200.5
/irginia	1,748.5	1,686.5	1,770.5	2,268.0
Vashington	1,713.5	1,598.0	2,058.5	2,154.5
Vest Virginia	1,731.0	1,737.5	1,579.5	1,880.5
Visconsin	1,787.0	1,681.5	2,327.0	2,122.5
Wyoming	1,861.5	1,824.5	1,146.0	2,099.0

¹Race and Hispanic origin are reported separately on birth certificates; persons of Hispanic origin may be of any race. In this table, non-Hispanic women are classified by race. Race categories are consistent with the 1997 Office of Management and Budget standards; see Methods. Single race is defined as only one race reported on the birth certificate.

2Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple-race women, and births with origin

not stated.

3Includes all persons of Hispanic origin of any race; see Methods.

Table 2. Births and birth rates, by age for all mothers: United States and each state, 2017

		Age of mother (years)								
Area	Number	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49¹	
United States	3,855,500	0.2	18.8	71.0	98.0	100.3	52.3	11.6	0.9	
Alabama	58,941	0.3	27.0	96.7	110.2	86.9	36.4	6.5	0.3	
Alaska	10,445	*	22.0	97.1	116.1	100.8	54.0	13.0	1.0	
Arizona	81,872	0.2	22.0	80.0	103.4	94.4	46.9	10.6	0.8	
Arkansas	37,520	0.5	32.8	107.7	115.0	85.0	33.2	6.7	0.3	
California	471.658	0.1	15.1	57.8	82.6	101.3	64.0	16.1	1.5	
Colorado	64,382	0.1	16.1	61.9	85.8	96.0	53.6	11.7	0.8	
Connecticut	35,221	*	8.8	38.2	83.8	111.5	61.7	13.1	1.1	
Delaware	10,855	*	18.5	68.7	98.5	103.2	50.2	10.2	0.8	
District of Columbia	9,560	*	21.0	49.7	44.9	73.2	70.4	22.3	1.9	
Florida	223,630	0.2	18.2	71.3	94.6	95.7	50.4	11.5	0.8	
Georgia	129,243	0.2	21.9	83.0	101.2	93.9	46.5	10.2	0.7	
Hawaii	17,517	*	19.1	81.8	97.7	98.6	62.2	17.3	1.7	
ldaho	22,181	*	18.6	100.4	129.0	99.9	44.5	9.0	0.8	
Illinois	149,390	0.1	17.4	62.5	91.9	106.1	55.9	11.8	0.9	
Indiana	82,170	0.2	22.8	84.7	117.8	100.0	40.7	7.8	0.5	
lowa	38,430	0.2	16.0	68.0	133.4	114.5	46.1	8.4	0.4	
Kansas	36,519	*	21.3	78.3	124.0	107.0	45.4	8.7	0.5	
Kentucky	54,752	0.3	29.0	99.3	114.5	92.4	37.8	7.1	0.3	
Louisiana	61,018	0.4	29.1	102.2	108.1	88.2	39.0	7.7	0.5	
Maine	12,298	*	13.1	62.9	95.0	94.0	43.0	7.8	*	
Maryland	71,641	0.2	14.2	58.1	91.7	108.0	62.5	14.7	1.1	
Massachusetts	70,702	*	8.1	32.4	69.5	108.9	66.9	14.3	1.0	
Michigan	111,426	0.2	16.4	66.3	108.5	104.7	46.1	9.4	0.7	
Minnesota	68,595	*	12.1	54.3	113.9	124.5	57.1	11.6	0.9	
Mississippi	37,357	0.4	31.0	107.2	113.5	79.5	32.2	6.1	0.4	
Missouri	73,034	0.1	22.5	82.3	110.0	96.7	42.5	8.1	0.4	
Montana	11,799	*	21.2	73.4	108.7	101.1	45.6	9.6	0.8	
Nebraska	25,821	*	18.1	73.0	138.4	120.7	51.7	9.6	0.7	
Nevada	35,756	0.2	21.9	87.8	96.2	88.0	47.3	11.9	0.9	
New Hampshire	12,116	*	8.4	40.8	92.2	104.2	48.4	8.4	0.6	
New Jersey	101,250	0.1	10.3	47.8	89.5	118.8	67.5	15.7	1.3	
New Mexico	23,767	*	27.9	87.9	104.3	80.6	40.9	8.9	0.6	
New York	229,737	0.1	12.5	52.4	79.0	101.2	66.8	17.3	1.6	
North Carolina	120,125	0.2	20.6	79.8	100.1	95.4	46.8	9.9	0.6	
North Dakota	10,737	*	16.2	68.9	138.9	126.5	51.1	10.7	*	
Ohio	136,832	0.2	20.8	81.1	107.3	102.8	44.3	8.2	0.5	
Oklahoma	50,214	0.3	29.7	100.8	114.2	90.0	36.9	7.0	0.5	
	43,631	v.5	15.0	60.1	85.8	90.0	49.5	11.1	0.3	
Oregon	137,745	0.2	14.8	61.9	96.0	103.9	51.0	10.2	0.8	
Rhode Island	10,638	*	11.4	46.4	79.7	97.4	54.5	11.3	0.7	
South Carolina	57,029	0.3	21.7	83.8	99.6	90.5	41.7	8.2	0.4	
South Dakota	12,134	*	22.6	87.7	147.5	125.5	50.9	10.4	*	
Tennessee	81,016	0.3	26.6	91.1	104.1	90.4	39.8	7.5	0.6	
Texas	382,050	0.3	27.6	90.2	107.2	97.5	48.9	10.8	0.7	
Utah	48,585	*	15.2	81.8	140.3	121.4	52.5	11.9	0.9	
Vermont	5,655	*	10.1	39.9	93.4	98.6	50.7	10.5	*	
Virginia	100,391	0.2	15.0	64.1	96.4	104.0	56.8	12.3	0.9	
Washington	87,562	0.2	14.8	64.6	91.8	104.0	56.4	12.5	1.0	
	18,675	U. I *	27.1	97.6	104.9	79.3	30.4	5.8	0.4	
West Virginia										
Wisconsin	64,975	0.1	13.8	58.7	115.3	112.1	47.7 40.7	9.2	0.5	
Wyoming	6,903		24.6	87.0	121.0	91.1	40.7	7.3	^	

^{*} Figure does not meet standards of reliability or precision; birth rates based on fewer than 20 births. ¹Birth rates computed by relating births to women aged 45 and over to women aged 45–49.

Table 3. Births and birth rates, by age for non-Hispanic single-race white mothers: United States and each state, 2017

		Age of mother (years)								
Area	Number ¹	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49 ²	
United States	2,014,898	0.1	13.2	59.8	95.3	103.7	50.6	9.9	0.7	
Alabama	34,397	*	22.9	87.3	109.6	92.2	34.6	5.4	0.3	
Alaska	5,338	*	12.6	79.4	102.7	99.4	51.9	11.7	*	
Arizona	34,086	*	11.3	61.5	93.4	97.0	46.2	9.3	0.7	
Arkansas	24,180	*	28.9	100.7	112.8	83.8	29.8	5.7	0.3	
California	137,396	*	6.9	38.8	70.0	104.9	67.1	16.3	1.8	
Colorado	38,264	*	9.1	44.7	75.8	97.4	55.1	11.0	0.7	
Connecticut	18,863	*	2.7	19.9	73.3	120.3	65.8	12.1	1.0	
Delaware	5,315	*	10.7	53.0	82.9	102.7	46.5	8.7	*	
District of Columbia	3,046	*	*	2.8	12.2	67.8	86.8	28.7	*	
Florida	96,726	0.1	14.1	61.2	88.3	98.4	49.6	9.6	0.7	
Georgia	57,566	*	17.5	71.9	98.4	97.1	43.6	8.1	0.6	
Hawaii	3,424	*	13.0	74.0	85.7	95.9	62.3	18.8	*	
ldaho	17,219	*	15.1	97.4	130.7	101.9	42.8	7.8	0.7	
Illinois	80,050	*	10.4	47.4	88.1	113.6	57.6	10.6	0.8	
Indiana	60,536	0.2	19.9	79.6	118.8	101.5	38.1	6.5	0.4	
lowa	30,012	*	12.1	60.5	132.8	112.6	43.4	6.8	0.4	
Kansas	25,633	*	16.9	70.6	127.9	109.9	43.4	7.6	0.4	
Kentucky	44,392	0.2	29.0	98.4	113.0	90.8	36.1	6.2	0.3	
Louisiana	31,524	*	22.1	89.9	106.0	92.3	38.7	6.8	0.4	
Maine	10,960	*	12.6	63.2	94.0	91.1	40.5	7.2	*	
Maryland	29,869	*	7.1	39.1	83.7	113.0	61.3	12.3	0.7	
Massachusetts	42,176	*	3.7	20.3	58.7	109.4	66.6	13.0	0.8	
Michigan	75,744	*	11.6	56.2	107.2	109.6	46.0	8.8	0.7	
Minnesota	47,393	*	7.4	41.3	109.8	123.2	54.0	9.2	0.5	
Mississippi	18,626	*	25.9	94.4	115.2	88.3	32.5	5.8	*	
Missouri	54,004	*	19.5	77.2	109.8	98.1	40.9	7.2	0.4	
Montana	9,404	*	15.6	66.7	107.1	101.4	44.6	8.9	*	
Nebraska	17,839	*	11.1	57.5	133.5	119.9	47.7	7.8	0.5	
Nevada	13,300	*	14.3	75.2	88.7	86.6	42.3	9.6	0.7	
New Hampshire	10,584	*	7.8	40.1	92.3	105.2	48.1	8.1	0.5	
New Jersey	46,705	*	3.1	30.5	82.1	133.6	76.5	16.1	1.1	
New Mexico	6,570	*	17.4	71.0	94.4	87.3	43.5	9.3	*	
New York	113,233	*	7.6	45.7	75.0	108.7	71.1	17.4	1.5	
North Carolina	64,328	*	14.0	64.2	94.2	97.8	45.1	8.5	0.5	
North Dakota	8,036	*	9.5	56.1	134.3	124.2	47.0	9.4	*	
Ohio	98,887	0.1	16.8	72.5	106.1	104.8	43.0	7.4	0.4	
Oklahoma	29,022	*	25.0	93.6	112.0	89.9	33.9	5.5	0.4	
Oregon	29,492	*	12.2	55.0	82.5	88.4	47.0	9.5	0.6	
Pennsylvania	93,031	*	9.6	50.6	92.5	107.6	51.0	9.4	0.6	
Rhode Island	6,213	*	5.7	29.8	68.7	100.0	54.1	9.6	*	
South Carolina	32,344	*	17.2	72.0	96.2	95.6	42.8	7.1	0.4	
South Dakota	8,624	*	12.4	65.4	141.9	125.1	48.1	9.0	*	
Tennessee	53,785	0.2	22.5	83.2	101.1	90.4	38.1	6.5	0.5	
Texas	127,804	0.1	16.5	68.4	99.7	101.0	46.5	8.9	0.6	
Utah	36,904	*	11.0	78.8	144.7	123.1	50.9	10.6	0.8	
Vermont	5,171	*	10.7	41.5	95.3	98.4	50.1	10.1	*	
Virginia	55,678	*	11.2	54.3	93.9	108.5	57.4	11.1	0.8	
Washington	52,115	*	10.9	58.8	87.7	98.9	52.0	10.5	0.8	
West Virginia	17,045	*	27.9	99.7	105.8	78.2	30.2	5.1	0.4	
Wisconsin	46,524	*	8.0	44.0	113.6	115.1	47.1	8.1	0.4	
Wyoming	5,521	*	22.3	81.8	120.9	92.9	39.4	7.0	*	
vvyorimiy	J,JZ I		۷۲.۵	01.0	120.3	32.3	03. 4	7.0		

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

¹Births with Hispanic origin of mother not stated are included with births to non-Hispanic mothers by race of mother.

²Birth rates computed by relating births to women aged 45 and over to women aged 45-49.

Table 4. Births and birth rates, by age for non-Hispanic single-race black mothers: United States and each state, 2017

		Age of mother (years)								
Area	Number ¹	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49 ²	
United States	565,164	0.4	27.5	94.2	99.5	84.5	46.1	11.7	1.0	
Alabama	17,967	0.5	32.1	110.4	103.8	67.9	32.0	6.1	*	
Alaska	334	*	*	94.8	108.4	85.0	60.5	*	*	
Arizona	4,274	*	26.2	91.3	108.1	94.0	47.1	13.5	*	
Arkansas	7,130	1.7	43.2	128.0	114.8	71.0	30.3	5.5	*	
California	24,088	*	18.6	68.0	76.5	76.1	46.9	13.2	1.2	
Colorado	3,212	*	21.2	86.5	109.0	107.6	56.3	17.3	*	
Connecticut	4,314	*	14.5	54.1	85.1	88.7	55.1	16.4	*	
		*		80.3	115.3	88.2	46.7		*	
Delaware	2,824	*	24.1					11.4	*	
District of Columbia	4,575		32.2	88.4	92.1	80.7	52.7	15.0		
Florida	49,560	0.3	27.0	96.3	103.9	94.5	53.8	15.1	1.0	
Georgia	44,972	0.4	25.6	94.0	98.5	78.4	41.5	9.9	0.8	
Hawaii	406	*	*	95.4	89.6	84.7	51.3	*	*	
ldaho	246	*	*	120.4	196.8	116.1	66.8	*	*	
Illinois	25,987	0.5	35.7	104.1	100.4	84.5	44.5	9.5	0.9	
Indiana	9,973	*	37.4	121.6	116.3	86.5	40.1	9.2	*	
lowa	2,657	*	41.7	142.0	163.6	136.7	66.0	22.6	*	
Kansas	2,550	*	38.4	115.2	112.2	97.7	46.2	11.3	*	
Kentucky	5,028	*	28.3	105.0	112.6	82.6	38.4	10.7	*	
Louisiana	22,483	0.7	36.3	119.0	108.3	75.1	33.9	7.0	0.5	
Maine	545	*	*	93.7	207.8	271.6	155.6	50.1	*	
Maryland	22,439	*	18.1	69.1	88.6	90.7	55.1	14.6	1.4	
Vlassachusetts	7,178	*	11.8	47.3	90.2	119.5	83.2	23.6	2.4	
Michigan	20,884	0.7	35.4	115.2	116.8	81.3	41.6	9.7	0.5	
Minnesota	8,212		25.8	106.0	163.8	165.8	84.6	28.7	5.1	
Mississippi	16,090	0.7	37.0	123.3	108.9	64.9	28.3	5.5		
Missouri	10,593	*	33.6	109.2	108.6	81.4	41.5	9.1	0.9	
Montana	64	*	*	95.8	*	*	*	*	*	
Nebraska	1,690	*	34.8	118.1	144.0	114.1	62.1	14.5	*	
Nevada	4,503	*	38.4	126.9	111.7	93.1	49.4	13.2	*	
New Hampshire	237	*	*	65.2	101.6	120.7	77.7	*	*	
New Jersey	14,114	*	19.2	66.3	87.8	88.9	55.4	15.0	1.7	
New Mexico	390	*	22.9	63.1	89.6	78.1	60.3	*	*	
New York	34,353	*	16.7	57.6	75.1	86.4	58.9	18.0	2.0	
North Carolina	27,919	0.4	26.6	93.9	96.5	74.0	37.9	8.4	0.5	
North Dakota	649	*	*	132.6	172.0	169.3	111.8	*	*	
Ohio	22,496	0.5	37.4	116.8	111.0	88.6	44.3	9.8	0.8	
Oklahoma	4,094	0.5 *	33.0	102.3	103.0	79.0	37.2	7.6	*	
_	1,002	*	16.7	71.7	92.5	91.8	57.2 52.4	23.1	*	
Oregon		*	26.4			91.8 85.8	52.4 45.5	23.1 12.1	0.0	
Pennsylvania Rhode Island	18,911 787	*	20.4 8.4	91.3 57.3	97.5 87.0	95.8	45.5 51.5	15.3	0.8 *	
		0.6							*	
South Carolina	16,903 398	0.6	25.9	97.3 138.7	98.2 153.9	70.5 181.0	33.2 96.2	7.8	*	
Tennessee	16,072	0.8	34.8	108.5	100.9	72.4	34.5	6.5	*	
									1.0	
Texas	48,300	0.5	27.9	94.8	98.4	85.4	46.6	11.1	1.0	
Utah	579	*	20.4	95.3	121.6	132.4	82.2	*	*	
Vermont	122		*	59.0	102.3	145.5	*			
Virginia	21,152	*	21.8	86.8	100.9	84.1	48.0	11.1	1.1	
Washington	4,313	*	16.7	74.0	104.5	114.2	77.6	21.1	3.6	
West Virginia	637	*	19.7	88.9	87.9	71.7	31.4	14.5	*	
Wisconsin	6,911	*	45.3	143.1	128.9	93.7	42.5	10.6	*	
Wyoming	47	*	*	*	*	*	*	+	*	

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

¹Births with Hispanic origin of mother not stated are included with births to non-Hispanic mothers by race of mother.

²Birth rates computed by relating births to women aged 45 and over to women aged 45–49.

Table 5. Births and birth rates, by age for Hispanic mothers: United States and each state, 2017

Area	Number	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49 ¹
United States	898,764	0.3	28.9	93.8	111.8	96.4	54.6	14.5	1.0
Alabama	4,546	*	52.5	154.9	173.4	132.7	79.6	22.2	*
Alaska	799	*	20.5	105.0	108.4	82.9	43.5	*	*
Arizona	34,377	0.2	31.5	100.9	117.9	90.0	46.7	11.3	0.8
Arkansas	4,048	*	39.0	122.5	131.2	108.3	55.8	15.6	*
California	220,122	0.2	22.7	78.8	99.5	93.7	55.3	14.8	1.0
		V.Z *	30.1	99.7	111.3	87.7	47.2	12.1	0.8
Colorado	18,125	*							
Connecticut	8,833	*	24.9	87.9	112.2	95.5	52.0	13.4	1.1
Delaware	1,748		37.3	129.6	141.1	119.0	70.1	15.8	*
District of Columbia	1,336	*	36.2	93.3	73.6	92.7	67.3	24.4	
Florida	67,049	0.2	19.9	75.7	103.1	93.2	49.8	12.1	0.8
Georgia	17,954	0.4	32.8	113.7	135.9	116.5	69.0	18.8	1.5
Hawaii	2,672	*	34.3	110.4	126.1	102.1	62.6	18.2	*
ldaho	3,598	*	32.8	117.4	129.0	92.1	50.9	14.8	*
Illinois	31,428	*	24.1	80.5	103.2	94.4	55.5	15.9	1.0
Indiana	7,669	*	33.0	106.6	125.2	98.7	59.4	16.2	*
lowa	3,527	*	37.5	112.9	144.2	118.4	57.8	16.2	*
Kansas	5.963	*	36.0	115.9	133.2	99.9	51.9	14.6	*
Kentucky	3,162	*	39.9	133.9	161.1	129.4	65.3	17.3	*
Louisiana	4,778	*	53.0	129.0	153.2	119.8	65.3	20.0	*
Maine	229	*	*	47.1	63.8	85.0	39.2	*	*
Maryland	12,223	*	37.8	120.1	145.2	131.0	80.5	22.7	1.6
Massachusetts	13,609	*	28.0	89.4	110.4	101.1	58.9	15.1	1.0
Michigan	7,339	*	25.7	80.6	116.3	95.4	51.9	13.1	*
		*			114.8		59.1	18.1	*
Minnesota	5,023	*	30.4	100.1		109.0			*
Mississippi	1,650	*	36.0	124.9	166.6	113.4	59.7	17.8	
Missouri	4,156	*	32.2	97.5	123.5	102.3	52.8	15.1	*
Montana	585	*	28.9	81.0	109.3	90.3	48.7	*	
Nebraska	4,382	*	42.0	137.8	167.0	124.1	69.8	17.7	*
Nevada	13,176	*	27.2	99.5	108.2	88.5	49.3	13.8	1.1
New Hampshire	673	*	22.1	69.3	103.5	87.2	44.5	*	*
New Jersey	27,354	*	23.4	84.3	113.6	103.7	58.4	16.7	1.1
New Mexico	13,362	*	32.2	98.4	113.0	75.5	35.5	7.8	*
New York	53,112	0.3	23.6	73.1	93.6	92.5	60.8	16.9	1.2
North Carolina	18,464	0.5	37.7	126.7	146.0	120.0	67.0	20.2	1.2
North Dakota	587	*	43.6	131.4	147.8	101.2	50.7	*	*
Ohio	7,468	*	33.9	116.8	127.1	99.2	52.0	14.1	*
Oklahoma	7,441	*	38.1	122.7	138.9	98.3	55.9	15.8	*
Oregon	8,275	*	25.8	90.9	104.8	91.2	55.6	16.1	1.3
		*	36.8						1.5
Pennsylvania	15,840 2,760	*	30.8	111.7 104.8	123.3 115.4	89.9 88.9	48.7 52.7	12.0 15.7	*
South Carolina	5,221	*	37.1	127.4	144.4	120.2	65.3	18.0	*
	624	*						10.0	*
South Dakota		*	53.5	142.1	159.1	115.9	59.6	04.0	*
Tennessee	7,684		48.1	136.7	162.2	132.1	69.5	21.3	0.7
Texas	180,216	0.4	37.5	112.5	120.8	93.7	49.7	12.0	0.7
Utah	7,832	*	33.5	104.8	137.1	112.7	56.7	18.5	*
Vermont	123	*	*	30.1	70.3	72.5	56.5	*	*
Virginia	13,999	*	31.4	99.3	120.6	112.9	68.5	19.4	1.0
Washington	15,973	*	28.7	99.8	119.4	102.8	60.7	18.1	1.2
West Virginia	390	*	24.8	71.6	108.6	106.4	38.7	22.2	*
Wisconsin	6,368	*	28.0	104.4	120.8	101.3	51.7	16.8	*
Wyoming	892	*	32.0	115.7	125.7	86.1	50.8		

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

¹Birth rates computed by relating births to women aged 45 and over to women aged 45–49.

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National Center for Health Statistics

Charles J. Rothwell, M.S., M.B.A., *Director* Jennifer H. Madans, Ph.D., *Associate Director* for Science

Division of Vital Statistics

Steven Schwartz, Ph.D., *Director* Hanyu Ni, Ph.D., M.P.H., *Associate Director for Science*