



## Births: Provisional Data for 2017

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### Abstract

**Objectives**—This report presents provisional 2017 data on U.S. births. Births are shown by age and race and Hispanic origin of mother. Data on prenatal care, cesarean delivery, preterm births, and low birthweight are also presented. This report is the second in a new annual series replacing the preliminary report series.

**Methods**—Data are based on 99.93% of 2017 births. Records for the states with less than 100% of records received are weighted to independent control counts of all births received in state vital statistics offices in 2017. Comparisons are made with final 2016 data and earlier years.

**Results**—The provisional number of births for the United States in 2017 was 3,853,472, down 2% from 2016 and the lowest number in 30 years. The general fertility rate was 60.2 births per 1,000 women aged 15–44, down 3% from 2016 and another record low for the United States. Birth rates declined for nearly all age groups of women under 40, but rose for women in their early 40s. The birth rate for teenagers aged 15–19 was down 7% in 2017 to 18.8 births per 1,000 women; rates declined for both younger (aged 15–17) and older (aged 18–19) teenagers. The cesarean delivery rate increased to 32.0% in 2017; the low-risk cesarean delivery rate increased to 26.0%. The preterm birth rate rose for the third year in a row to 9.93% in 2017; the 2017 rate of

low birthweight (8.27%) was one of the highest levels reported since 2006.

**Keywords:** birth rates • maternal and infant health • vital statistics

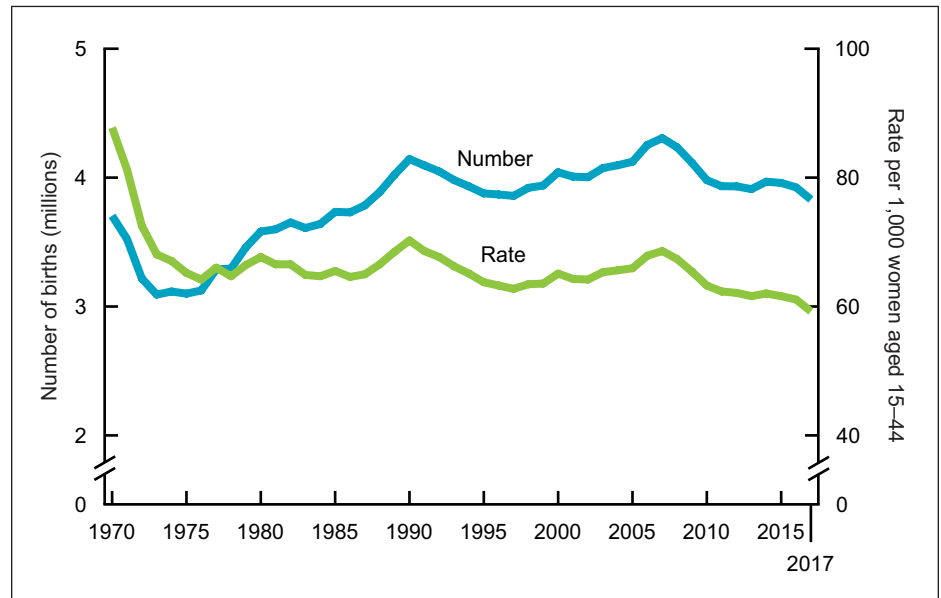
### Introduction

This report from the National Center for Health Statistics (NCHS) is part of the National Vital Statistics System Rapid Release, Quarterly Provisional Estimates data series. This series provides timely vital statistics for public health surveillance based on provisional data received and processed by NCHS as of a specified date. Estimates (quarterly and 12-month period ending with

each quarter) for selected key vital statistics indicators are presented and released online through Quarterly Provisional Estimates. The series also includes reports that provide additional information on specific topics to help readers understand and interpret provisional natality and mortality data.

Using provisional birth data for the 12 months of 2017 (1), this report supplements the Quarterly Provisional Estimates for 2017 by including topics not shown in the quarterly estimates (i.e., the timing of prenatal care and low birthweight rate) and also presenting more detail (by race and Hispanic

Figure 1. Live births and general fertility rates: United States, final 1970–2016 and provisional 2017



SOURCE: NCHS, National Vital Statistics System, Natality.

origin of the mother and by state of residence) for selected topics than is shown in the quarterly estimates.

This report is the second in a new annual series replacing the preliminary report series in order to provide a consistent set of quarterly and annual releases (2). Findings from this report will be compared with final birth data for 2017 to assess the accuracy of the estimates. Statistics in the provisional report for 2016 and preliminary reports for 1995–2015 have been shown to track well with the final statistics for the year (2,3).

This report presents provisional data on births and birth rates and selected maternal and infant health characteristics for the United States in 2017.

## Methods

Findings are based on all birth records received and processed by NCHS for calendar year 2017 as of February 14, 2018; these records represent nearly 100% (99.93%) of registered births occurring in 2017. Comparisons in this report are based on the final data for 2016 and earlier years (3). Changes and differences presented in this report are statistically significant at the 0.05 level, unless noted otherwise.

Starting in 2016, all 50 states, the District of Columbia, Puerto Rico, Guam, and Northern Marianas reported race data in accordance with the revised standards issued by the Office of Management and Budget in 1997. These standards allow for the reporting of a minimum of five race categories (American Indian or Alaska Native [AIAN], Asian, black or African American, Native Hawaiian or Other Pacific Islander [NHOPI], and white) either by single race (i.e., reported alone) or in combination (i.e., more than one race or multiple races) (4). The race and Hispanic-origin groups shown in this report follow the 1997 standards

and differ from the bridged-race categories shown in reports based on race data prior to 2016 (5). The new categories are: non-Hispanic single-race white, non-Hispanic single-race black, non-Hispanic single-race AIAN, non-Hispanic single-race Asian, non-Hispanic single-race NHOPI, and Hispanic. For brevity, text references to non-Hispanic white and non-Hispanic black women omit the term “single-race.” For further information on differences between single- and bridged-race groups, see references 2 and 3.

Population estimates by age, sex, race, and Hispanic origin for 2017 were not available as of the preparation of this report. Accordingly, birth and fertility rates by race and Hispanic origin could not be shown (but numbers and percentages of births by race and Hispanic origin are shown). Rates by race and Hispanic origin and information on births to unmarried women (see [Technical Notes](#)) will be presented in the 2017 final birth report.

## Results

### Births and birth rates

Key findings, illustrated in [Tables 1 and 2](#) and [Figures 1 and 2](#), are listed below:

- The provisional **number of births** for the United States in 2017 was 3,853,472, down 2% from the number in 2016 (3,945,875) ([Table 1](#) and [Figure 1](#)). This is the third year that the number of births has declined after an increase in 2014, and the lowest number of births in 30 years (1987) (3,5,6).
- Among the three largest race and Hispanic-origin groups, the provisional number of births declined 2% for Hispanic and 3% for non-Hispanic white women from 2016 to 2017; the number of births for non-Hispanic

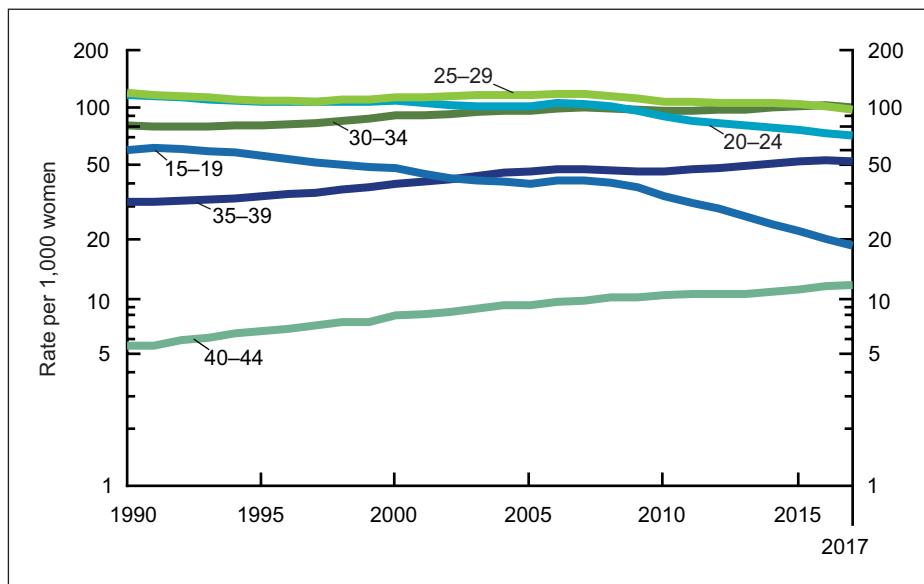
black women was essentially unchanged ([Table 2](#)) (3). The number of births declined 2% for non-Hispanic Asian and 5% for non-Hispanic AIAN women but was essentially unchanged for non-Hispanic NHOPI women.

- The provisional **general fertility rate** (GFR) for the United States in 2017 was 60.2 births per 1,000 women aged 15–44, down 3% from the rate in 2016 (62.0), reaching another record low for the nation ([Table 1](#) and [Figure 1](#)) (3,5,6). The decline in the rate from 2016 to 2017 was the largest single-year decline since 2010 (3,5,6).
- The provisional **total fertility rate** (TFR) for the United States in 2017 was 1,764.5 births per 1,000 women, down 3% from the rate in 2016 (1,820.5) and the lowest TFR since 1978 (3,5,6). The TFR estimates the number of births that a hypothetical group of 1,000 women would have over their lifetimes, based on the age-specific birth rates in a given year. The decline in the rate from 2016 to 2017 was the largest single-year decline since 2010 (3,5,6).
- The TFR in 2017 was again below replacement—the level at which a given generation can exactly replace itself (2,100 births per 1,000 women). The rate has generally been below replacement since 1971 (3,5,6).

### Maternal age

- Provisional birth rates declined for women aged 15–39 from 2016 to 2017 but rose for women aged 40–44.
- The provisional **birth rate for teenagers** in 2017 was 18.8 births per 1,000 women aged 15–19, down 7% from 2016 (20.3) and another record low for this age group ([Table 1](#) and [Figure 2](#)) (3,5–7). The rate has declined by 55%, or nearly 8% per year, since 2007 (41.5), the most recent period of continued decline, and 70%

Figure 2. Birth rates, by selected age of mother: United States, final 1990–2016 and provisional 2017



NOTE: Rates are plotted on a logarithmic scale.  
SOURCE: NCHS, National Vital Statistics System, Natality.

(or 4% per year) since 1991, the most recent peak. The number of births to women aged 15–19 was 194,284 in 2017 (Table 1), down 7% from 2016 and down 56% from 2007 (444,899) (3,5–7).

- The provisional birth rates for teenagers aged 15–17 and 18–19 in 2017 were 7.8 and 35.1 births per 1,000 women, respectively, down by 11% and 6% from 2016, again reaching record lows for both groups (3,5–7).
- The provisional birth rate for females aged 10–14 was 0.2 births per 1,000 in 2017, which was unchanged since 2015.
- The provisional **birth rate for women aged 20–24** in 2017 was 71.0 births per 1,000 women, down 4% from 2016 (73.8), reaching another record low for this age group (Table 1 and Figure 2) (3,5,6). The number of births to women in their early 20s fell by 5% from 2016 (Table 1).
- The provisional **birth rate for women aged 25–29** was 97.9 births per 1,000 women, down 4% from 2016 (102.1) and another record low for this age group (3,5,6). The

number of births to women in their late 20s fell 2% from 2016.

- The provisional **birth rate for women aged 30–34** in 2017 was 100.3 births per 1,000 women, down 2% from 2016 (102.7); this rate had risen steadily from 2012 to 2016 (Table 1 and Figure 2) (3,5,6). The number of births to women in their early 30s declined 2% from 2016.
- The provisional **birth rate for women aged 35–39** was 52.2 births per 1,000 women, down 1% from 2016 (52.7). The rate for this age group had risen each year from 2011 to 2016 (3,5,6). The number of births to women in their late 30s increased by 1% from 2016.
- The provisional **birth rate for women aged 40–44** in 2017 was 11.6 births per 1,000 women, up 2% from 2016 (11.4). The rate for this age group has generally risen since 1982 (3,5). The number of births to women in their early 40s increased by 1% from 2016.
- The provisional **birth rate for women aged 45–49** (which includes births to women aged 50 and over) was 0.9 births per 1,000

women, which was unchanged since 2015. The number of births to women in this age group rose 3% from 2016 to 2017 (Table 1).

## Maternal and infant health characteristics

Key findings, illustrated in Tables 3–6 and Figures 3 and 4, are listed below:

### Prenatal care

- The percentage of women receiving first trimester prenatal care in 2017 was 77.3%, up from 77.1% in 2016 (Table 3). The percentage of women receiving late (beginning in the third trimester) or no prenatal care remained unchanged at 6.2%. For prenatal care initiation by state, see Table 4.
- The percentage of first trimester prenatal care ranged from 52.1% for non-Hispanic NHOPI women to 82.5% for non-Hispanic white women (Table 3). First trimester care increased for non-Hispanic white (82.3% to 82.5%), non-Hispanic Asian (80.6% to 81.1%), and Hispanic (72.0% to 72.3%) women from 2016 to 2017; there was essentially no change for non-Hispanic black, non-Hispanic AIAN, and non-Hispanic NHOPI women.
- Late or no care ranged from 4.4% (non-Hispanic white women) to 20.3% (non-Hispanic NHOPI women) (Table 3). Late or no care increased from 2016 to 2017 for non-Hispanic white (4.3% to 4.4%) and non-Hispanic black (10.0% to 10.2%) women, decreased for non-Hispanic Asian women (5.4% to 5.1%), and remained essentially unchanged for non-Hispanic AIAN and non-Hispanic NHOPI women.

### Cesarean delivery

- In 2017, the overall cesarean delivery rate increased to 32.0% (from 31.9% in 2016) (Tables 3 and 5). The rate had declined for

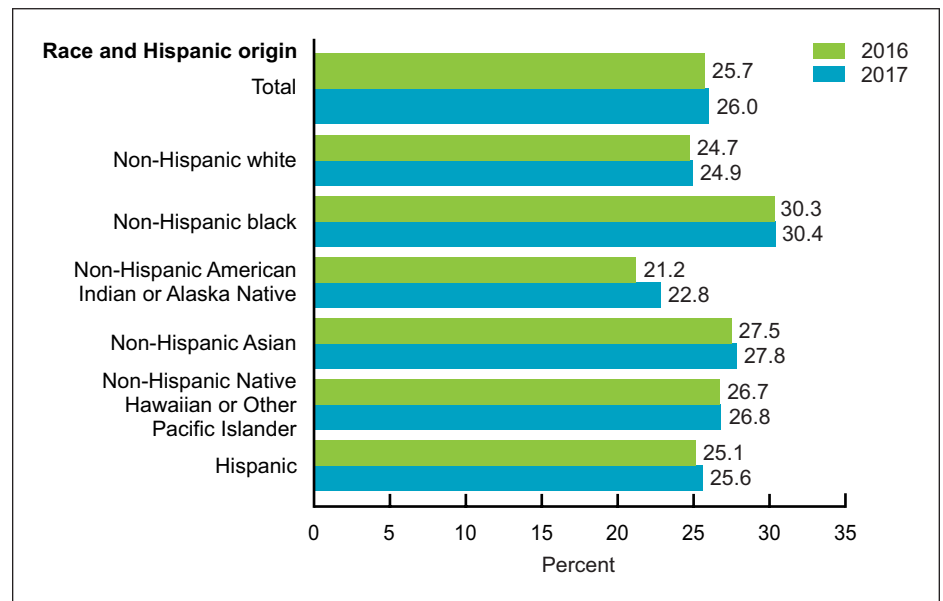
4 years in a row (2013–2016) after peaking in 2009 at 32.9% (3). See [Table 5](#) for state-specific rates.

- The cesarean delivery rate ranged from 28.5% of births for non-Hispanic AIAN women to 36.0% for non-Hispanic black women ([Table 3](#)). Cesarean delivery among Hispanic women increased from 2016 (31.7%) to 2017 (31.8%); rates for non-Hispanic white, non-Hispanic black, non-Hispanic AIAN, non-Hispanic Asian, and non-Hispanic NHOPI women were essentially unchanged.
- The low-risk cesarean delivery rate also increased in 2017 to 26.0% of births from 25.7% in 2016 ([Figure 3](#)). Low-risk cesarean is cesarean delivery among nulliparous (first birth), term (37 or more completed weeks based on the obstetric estimate), singleton (one fetus), vertex (head first) births.
- Low-risk cesarean rates ranged from 22.8% for non-Hispanic AIAN women to 30.4% for non-Hispanic black women ([Table 3](#)). Low-risk cesarean rates increased from 2016 to 2017 for non-Hispanic white (24.7% to 24.9%), non-Hispanic AIAN (21.2% to 22.8%), and Hispanic (25.1% to 25.6%) women; rates for other groups remained essentially unchanged.

## Preterm birth

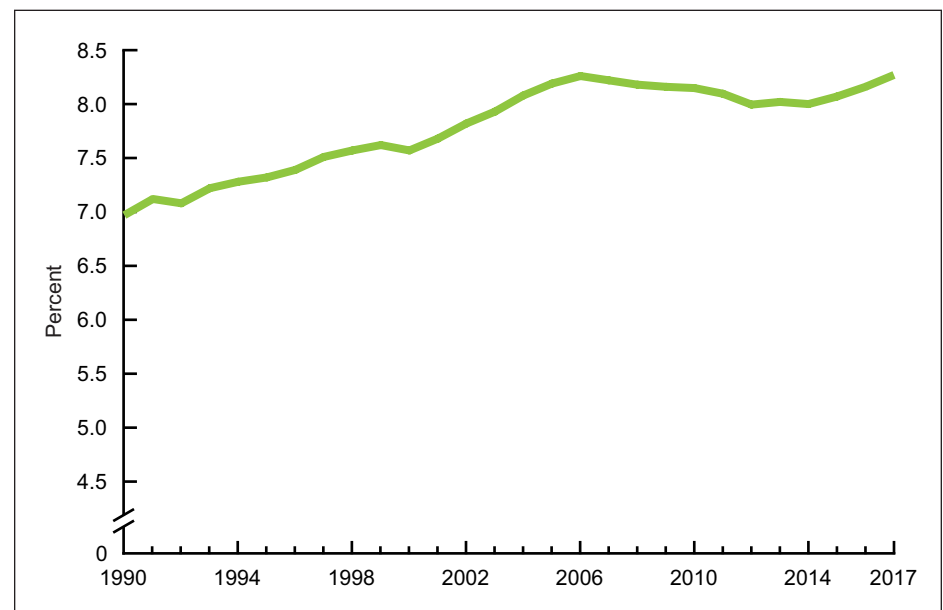
- The **preterm birth rate** rose for the third year in a row to 9.93% in 2017, from 9.85% in 2016 (3) ([Table 3](#)). The percentage of infants born preterm (births at less than 37 completed weeks of gestation) fell 8% from 2007 (the first year for which national data are available based on the obstetric estimate of gestation) to 2014 but rose 4% from 2014 to 2017 (3). See [Table 6](#) for state-specific rates.
- All of the rise in the overall preterm rate from 2016 to 2017 is due to an increase in late preterm

**Figure 3. Low-risk cesarean delivery, by race and Hispanic origin: United States, final 2016 and provisional 2017**



SOURCE: NCHS, National Vital Statistics System, Natality.

**Figure 4. Low birthweight rate: United States, final 1990–2016 and provisional 2017**



NOTE: Low birthweight rate is the percentage of infants born at less than 2,500 grams or 5 lb. 8 oz. per 100 total births. SOURCE: NCHS, National Vital Statistics System, Natality.

births (34–36 completed weeks of gestation) ([Table 3](#)), which rose from 7.09% of births to 7.17%. The percentage of infants born early preterm (less than 34 weeks) was unchanged from 2016 at 2.76%.

- Preterm rates increased for births to non-Hispanic black (13.77% to 13.92%) and Hispanic (9.45% to

9.61%) women from 2016 to 2017; the rate was essentially unchanged among births to non-Hispanic white women (9.04% to 9.06%).

## Low birthweight

- The **low birthweight rate (LBW)** also increased in 2017 for the third straight year to 8.27%, from 8.17%

in 2016 (Table 3). The 2017 LBW rate (the percentage of infants born at less than 2,500 grams or 5 lb. 8 oz. per 100 births) is similar to the highest level ever reported (8.26% in 2006) (Figure 4) (8). Following a downward trend from 2007 through 2014, the LBW rate has risen 3% between 2015 and 2017.

- The rate of moderately low birthweight (1,500–2,499 grams) rose from 6.77% of births in 2016 to 6.87% in 2017. The percentage of **very low birthweight** infants (less than 1,500 grams) was stable at 1.40% (Table 3) (3).
- LBW rose among births to non-Hispanic black (13.68% to 13.88%) and Hispanic (7.32% to 7.42%) women; the rate for births to Hispanic women was the highest reported since at least 1993 when national data became available for this group (5). The LBW rate was essentially unchanged from 2016 to 2017 among births to non-Hispanic white women (6.97% to 7.00%).

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# Vital Statistics Surveillance Report

**Table 1. Births and birth rates, by age of mother: United States, final 2016 and provisional 2017**

[Data for 2017 are based on a continuous file of records received from the states. Figures for 2017 are based on weighted data rounded to the nearest individual, so categories may not add to totals. Rates are per 1,000 women in specified age group. Rates for all ages are the total number of births (regardless of the age of the mother) per 1,000 women aged 15–44]

Age group of mother (years)	2017		2016	
	Number	Rate	Number	Rate
All ages	3,853,472	60.2	3,945,875	62.0
10–14	1,913	0.2	2,253	0.2
15–19	194,284	18.8	209,809	20.3
15–17	48,501	7.8	54,741	8.8
18–19	145,783	35.1	155,068	37.5
20–24	764,337	71.0	803,978	73.8
25–29	1,123,024	97.9	1,149,122	102.1
30–34	1,091,395	100.3	1,111,042	102.7
35–39	554,464	52.2	547,488	52.7
40–44	114,730	11.6	113,140	11.4
45–54 <sup>1</sup>	9,325	0.9	9,043	0.9

<sup>1</sup>The birth rate for women in this age group is computed by relating the number of births to women aged 45 and over to women aged 45–49, because most of the births in this group are to women aged 45–49.

NOTE: For information on the relative standard errors of the data and further discussion, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.

# Vital Statistics Surveillance Report

**Table 2. Births, by race and Hispanic origin of mother: United States and each state and territory, provisional 2017**

[By place of residence. Data are based on a continuous file of records received from the states. Figures are based on weighted data rounded to the nearest individual, so categories may not add to totals]

Area	All races and origins <sup>1</sup>	Non-Hispanic, single-race					
		White <sup>2</sup>	Black <sup>2</sup>	American Indian or Alaska Native <sup>2</sup>	Asian <sup>2</sup>	Native Hawaiian or Other Pacific Islander <sup>2</sup>	Hispanic <sup>3</sup>
Number							
United States <sup>4</sup>	3,853,472	1,991,348	560,560	29,878	249,214	9,418	897,518
Alabama	58,926	34,366	17,961	131	950	44	4,545
Alaska	10,429	5,254	329	1,898	686	308	796
Arizona	81,857	33,690	4,242	4,250	2,988	217	34,373
Arkansas	37,445	24,041	7,061	239	781	470	4,045
California	471,552	127,691	23,432	1,412	72,081	1,809	220,165
Colorado	64,365	37,510	3,110	421	2,611	144	18,120
Connecticut	35,220	18,842	4,300	28	2,475	7	8,833
Delaware	10,839	5,301	2,812	20	647	3	1,745
District of Columbia	9,546	3,037	4,567	9	395	2	1,335
Florida	223,615	96,263	49,426	270	7,015	159	67,046
Georgia	129,210	56,975	44,431	113	6,040	110	17,948
Hawaii	17,507	3,407	404	39	4,653	1,683	2,668
Idaho	22,180	17,150	243	289	366	48	3,597
Illinois	149,355	78,902	25,676	90	9,650	43	31,426
Indiana	82,162	60,508	9,971	70	2,534	54	7,669
Iowa	38,407	29,989	2,658	183	1,321	128	3,524
Kansas	36,516	25,590	2,548	171	1,255	77	5,963
Kentucky	54,664	44,199	5,000	49	1,174	68	3,161
Louisiana	60,892	31,455	22,423	292	1,167	23	4,762
Maine	12,294	10,955	545	85	219	3	229
Maryland	71,619	29,797	22,321	87	5,275	40	12,220
Massachusetts	70,787	40,474	6,817	55	5,967	23	13,418
Michigan	111,172	75,309	20,870	395	4,469	29	7,346
Minnesota	68,584	47,077	8,163	1,042	5,323	56	5,023
Mississippi	37,359	18,619	16,089	213	502	12	1,650
Missouri	72,990	53,757	10,494	167	1,773	183	4,157
Montana	11,795	9,369	64	1,230	121	18	585
Nebraska	25,752	17,796	1,685	369	858	27	4,357
Nevada	35,742	13,161	4,470	305	2,685	322	13,174
New Hampshire	12,113	10,519	234	21	479	5	673
New Jersey	101,263	45,847	13,673	44	11,698	25	27,353
New Mexico	23,596	6,506	381	2,650	415	17	13,250
New York	229,682	112,271	34,230	332	25,468	52	52,324
North Carolina	120,090	64,253	27,882	1,464	5,006	131	18,462
North Dakota	10,737	7,931	608	817	286	10	587
Ohio	136,812	98,748	22,430	116	4,380	61	7,467
Oklahoma	50,022	28,868	4,071	4,595	1,326	228	7,416
Oregon	43,596	29,207	993	427	2,376	299	8,271
Pennsylvania	137,682	92,247	18,393	92	6,404	43	15,836
Rhode Island	10,637	6,131	775	43	541	7	2,757
South Carolina	57,025	32,282	16,850	138	1,125	45	5,220
South Dakota	12,129	8,617	398	1,805	248	9	624
Tennessee	80,843	53,559	16,055	89	1,895	59	7,700
Texas	381,978	127,516	48,236	664	20,391	510	180,204
Utah	48,586	36,492	569	445	1,233	469	7,832
Vermont	5,655	5,134	115	14	159	2	123
Virginia	100,248	55,497	21,074	155	7,670	125	13,916
Washington	87,568	50,674	3,944	1,113	8,837	1,164	15,976
West Virginia	18,568	16,847	628	15	201	11	387
Wisconsin	64,962	46,299	6,863	715	3,017	30	6,367
Wyoming	6,895	5,418	45	201	79	5	892

See footnotes at end of table.



## Vital Statistics Surveillance Report

**Table 2. Births, by race and Hispanic origin of mother: United States and each state and territory, provisional 2017—Con.**

[By place of residence. Data are based on a continuous file of records received from the states. Figures are based on weighted data rounded to the nearest individual, so categories may not add to totals]

Area	All races and origins <sup>1</sup>	Non-Hispanic, single-race					Hispanic <sup>3</sup>
		White <sup>2</sup>	Black <sup>2</sup>	American Indian or Alaska Native <sup>2</sup>	Asian <sup>2</sup>	Native Hawaiian or Other Pacific Islander <sup>2</sup>	
Number							
Puerto Rico	24,437	595	66	—	25	1	23,708
Virgin Islands	---	---	---	---	---	---	---
Guam	3,295	193	31	8	795	2,102	27
American Samoa	---	---	---	---	---	---	---
Northern Marianas	349	2	1	—	52	276	—

— Quantity zero.

--- Data not available.

<sup>1</sup>Includes births to race and origin groups not shown separately, such as Hispanic white, Hispanic black, and non-Hispanic multiple-race women, and births with origin not stated.

<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1997 Office of Management and Budget standards; see Technical Notes. Race categories in this table include only single race; that is, the race reported alone with only one race reported.

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

<sup>4</sup>Excludes data for the territories.

NOTE: For information on the relative standard errors of the data and further discussion, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.

# Vital Statistics Surveillance Report

**Table 3. Selected maternal and birth characteristics, by race and Hispanic origin of mother: United States, final 2016 and provisional 2017**

[Data for 2017 are based on a continuous file of records received from the states]

Characteristic	Non-Hispanic, single-race						
	All races and origins <sup>1</sup>	White <sup>2</sup>	Black <sup>2</sup>	American Indian or Alaska Native <sup>2</sup>	Asian <sup>2</sup>	Native Hawaiian or Other Pacific Islander <sup>2</sup>	Hispanic <sup>3</sup>
	Percent						
<b>Prenatal care</b>							
First trimester care:							
2017	77.3	82.5	66.6	63.5	81.1	52.1	72.3
2016	77.1	82.3	66.5	63.0	80.6	51.9	72.0
Late <sup>4</sup> or no care:							
2017	6.2	4.4	10.2	12.6	5.1	20.3	7.7
2016	6.2	4.3	10.0	12.5	5.4	19.2	7.7
<b>Cesarean delivery</b>							
Total <sup>5</sup> :							
2017	32.0	30.9	36.0	28.5	33.3	31.0	31.8
2016	31.9	30.9	35.9	28.0	33.3	30.5	31.7
Low risk <sup>6</sup> :							
2017	26.0	24.9	30.4	22.8	27.8	26.8	25.6
2016	25.7	24.7	30.3	21.2	27.5	26.7	25.1
<b>Gestational age<sup>7</sup></b>							
Under 37 weeks:							
2017	9.93	9.06	13.92	11.83	8.53	10.56	9.61
2016	9.85	9.04	13.77	11.39	8.63	11.52	9.45
34–36 weeks:							
2017	7.17	6.76	9.06	8.75	6.34	7.88	7.05
2016	7.09	6.72	8.84	8.41	6.5	8.4	6.92
Under 34 weeks:							
2017	2.76	2.30	4.86	3.08	2.18	2.68	2.56
2016	2.76	2.33	4.93	2.98	2.13	3.12	2.53
<b>Birthweight</b>							
Low birthweight <sup>8</sup> :							
2017	8.27	7.00	13.88	8.22	8.51	7.75	7.42
2016	8.17	6.97	13.68	7.77	8.43	7.67	7.32
Moderately low birthweight <sup>9</sup> :							
2017	6.87	5.95	10.93	6.82	7.39	6.60	6.17
2016	6.77	5.90	10.73	6.38	7.34	6.20	6.08
Very low birthweight <sup>10</sup> :							
2017	1.40	1.05	2.95	1.40	1.13	1.15	1.25
2016	1.40	1.07	2.95	1.39	1.09	1.47	1.24

<sup>1</sup>Includes births to race and origin groups not shown separately, such as Hispanic white, Hispanic black, and non-Hispanic multiple-race women, and births with origin not stated.

<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1997 Office of Management and Budget standards; see Technical Notes. Race categories in this table include only single race; that is, the race reported alone with only one race reported.

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

<sup>4</sup>Care beginning in the third trimester.

<sup>5</sup>All births by cesarean delivery per 100 live births.

<sup>6</sup>Low-risk cesarean is defined as singleton, term (37 or more weeks of gestation based on obstetric estimate; see Technical Notes), vertex (not breech) cesarean deliveries to women having a first birth per 100 women delivering singleton, term, vertex first births.

<sup>7</sup>Completed weeks of gestation based on the obstetric estimate; see Technical Notes.

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

<sup>9</sup>Birthweight of 1,500 (3 lb. 4 oz.) to 2,499 grams (5 lb. 8 oz.).

<sup>10</sup>Birthweight of less than 1,500 grams (3 lb. 4 oz.).

NOTE: For information on the relative standard errors of the data and further discussion, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.

# Vital Statistics Surveillance Report

**Table 4. Prenatal care beginning in the first trimester and late or no prenatal care: United States, each state and territory, final 2016 and provisional 2017**

[By place of residence. Data are based on a continuous file of records received from the states]

Area	Prenatal care initiation			
	First trimester		Late <sup>1</sup> or no care	
	2017	2016	2017	2016
	Percent of births			
United States <sup>2</sup>	77.3	77.1	6.2	6.2
Alabama	71.5	71.8	7.5	7.2
Alaska	75.8	75.0	5.8	5.8
Arizona	72.6	73.2	8.9	8.6
Arkansas	70.1	68.4	10.3	10.9
California	85.2	85.0	3.8	3.8
Colorado	78.7	77.4	6.0	6.2
Connecticut	84.4	84.1	3.3	3.6
Delaware	78.9	78.8	6.7	6.4
District of Columbia	70.2	69.5	9.1	9.4
Florida	73.7	74.9	7.6	6.8
Georgia	74.8	74.8	8.4	8.2
Hawaii	74.1	75.9	10.0	7.7
Idaho	79.5	79.0	4.2	4.5
Illinois	77.0	77.6	6.0	5.8
Indiana	73.1	73.8	6.3	6.0
Iowa	80.9	81.1	4.4	4.4
Kansas	83.2	82.8	3.8	3.8
Kentucky	78.9	79.0	5.5	5.7
Louisiana	77.1	74.6	6.1	7.0
Maine	84.2	85.6	3.6	3.3
Maryland	73.8	72.0	6.9	7.8
Massachusetts	83.0	84.4	4.9	4.5
Michigan	80.6	79.8	4.8	4.7
Minnesota	82.1	81.8	3.8	3.9
Mississippi	78.5	78.3	4.8	4.7
Missouri	76.6	77.6	5.6	5.4
Montana	77.4	75.3	6.0	6.5
Nebraska	77.2	78.1	5.4	5.4
Nevada	74.0	73.1	8.9	8.2
New Hampshire	85.7	85.3	3.7	3.6
New Jersey	76.4	76.5	5.8	5.8
New Mexico	70.2	69.6	11.2	10.8
New York	80.6	80.7	5.0	5.1
North Carolina	74.8	74.9	6.4	6.0
North Dakota	79.3	78.1	5.6	5.9
Ohio	75.6	75.4	6.3	6.4
Oklahoma	74.3	72.8	7.0	7.3
Oregon	81.4	81.2	4.5	4.4
Pennsylvania	77.0	77.3	6.6	6.2
Rhode Island	83.9	84.9	1.6	1.7
South Carolina	73.2	72.0	6.6	7.2
South Dakota	76.0	76.8	6.1	5.7
Tennessee	75.4	74.2	7.1	6.1
Texas	68.2	67.0	10.2	10.4
Utah	83.4	82.1	3.7	3.9
Vermont	90.1	89.5	1.7	1.6
Virginia	79.0	79.9	4.8	4.4
Washington	78.5	77.5	6.1	6.3
West Virginia	77.6	79.2	6.6	5.7
Wisconsin	82.6	82.5	4.1	4.1
Wyoming	78.1	77.8	6.1	4.9

See footnotes at end of table.

## Vital Statistics Surveillance Report

**Table 4. Prenatal care beginning in the first trimester and late or no prenatal care: United States, each state and territory, final 2016 and provisional 2017—Con.**

[By place of residence. Data are based on a continuous file of records received from the states]

Area	Prenatal care initiation			
	First trimester		Late <sup>1</sup> or no care	
	2017	2016	2017	2016
	Percent of births			
Puerto Rico	81.3	81.3	2.9	2.9
Virgin Islands	---	---	---	---
Guam	60.9	60.2	13.4	13.8
American Samoa	---	---	---	---
Northern Marianas	46.6	41.9	20.3	23.2

--- Data not available.

<sup>1</sup>Care beginning in the third trimester.

<sup>2</sup>Excludes data for the territories.

NOTE: For information on the relative standard errors of the data and further discussion, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.

# Vital Statistics Surveillance Report

**Table 5. Births, by total cesarean delivery and low-risk cesarean delivery: United States, each state and territory, final 2016 and provisional 2017**

[By place of residence. Data are based on a continuous file of records received from the states]

Area	Total cesarean		Low-risk cesarean <sup>1</sup>	
	2017	2016	2017	2016
Percent of births				
United States <sup>2</sup>	32.0	31.9	26.0	25.7
Alabama	35.1	34.4	28.1	27.9
Alaska	22.5	23.0	19.3	19.1
Arizona	26.9	27.5	20.6	21.7
Arkansas	33.5	32.3	26.5	25.0
California	31.4	31.9	24.4	24.9
Colorado	26.5	26.2	21.6	20.4
Connecticut	34.8	35.4	28.2	29.2
Delaware	31.8	31.8	25.0	23.8
District of Columbia	32.2	31.6	28.7	27.1
Florida	37.2	37.4	31.0	31.3
Georgia	34.2	33.8	27.9	28.1
Hawaii	25.9	25.2	20.7	19.8
Idaho	23.7	23.9	18.1	18.1
Illinois	31.1	31.1	25.1	24.7
Indiana	29.7	29.8	23.4	23.6
Iowa	29.7	30.1	24.0	23.9
Kansas	30.0	29.5	23.8	23.8
Kentucky	35.2	34.6	28.3	27.2
Louisiana	37.5	37.5	30.4	30.9
Maine	29.9	28.9	23.7	22.4
Maryland	33.9	33.7	28.2	28.5
Massachusetts	31.5	31.3	25.4	24.4
Michigan	32.1	32.0	26.6	26.7
Minnesota	27.4	26.8	23.4	21.8
Mississippi	37.8	38.2	30.8	31.8
Missouri	30.1	30.2	23.8	24.1
Montana	28.5	29.1	23.8	23.1
Nebraska	30.4	31.0	24.9	23.8
Nevada	34.2	33.8	28.6	28.8
New Hampshire	31.0	30.9	25.2	26.2
New Jersey	35.9	36.2	29.3	30.2
New Mexico	24.7	24.8	18.3	18.5
New York	34.1	33.8	29.0	28.4
North Carolina	29.4	29.4	23.2	23.0
North Dakota	28.3	26.8	22.2	18.9
Ohio	30.3	30.8	24.3	24.7
Oklahoma	32.2	32.0	24.8	23.3
Oregon	28.1	27.2	22.6	22.1
Pennsylvania	30.5	29.8	25.7	24.7
Rhode Island	31.5	31.2	25.5	24.9
South Carolina	33.6	33.5	27.0	26.0
South Dakota	24.5	25.3	17.8	20.7
Tennessee	32.3	32.5	26.8	26.5
Texas	35.0	34.4	28.6	27.0
Utah	22.8	22.3	17.7	16.8
Vermont	25.7	25.7	19.9	21.7
Virginia	32.6	33.0	26.4	26.9
Washington	27.7	27.4	23.1	22.5
West Virginia	35.2	34.9	27.3	27.0
Wisconsin	26.4	26.0	21.6	22.0
Wyoming	26.4	27.4	21.2	19.1

See footnotes at end of table.

## Vital Statistics Surveillance Report

**Table 5. Births, by total cesarean delivery and low-risk cesarean delivery: United States, each state and territory, final 2016 and provisional 2017—Con.**

[By place of residence. Data are based on a continuous file of records received from the states]

Area	Total cesarean		Low-risk cesarean <sup>1</sup>	
	2017	2016	2017	2016
	Percent of births			
Puerto Rico	46.8	46.3	41.2	40.6
Virgin Islands	---	---	---	---
Guam	25.4	25.9	20.3	24.1
American Samoa	---	---	---	---
Northern Marianas	20.8	29.2	17.5	28.9

--- Data not available.

<sup>1</sup>Low-risk cesarean is defined as singleton, term (37 or more weeks of gestation based on obstetric estimate; see Technical Notes), vertex (not breech) cesarean deliveries to women having a first birth per 100 women delivering singleton, term, vertex first births.

<sup>2</sup>Excludes data for the territories.

NOTE: For information on the relative standard errors of the data and further discussion, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.

# Vital Statistics Surveillance Report

**Table 6. Preterm and late preterm births: United States, each state and territory, final 2016 and provisional 2017**

[By place of residence. Data are based on a continuous file of records received from the states]

Area	Late preterm <sup>1</sup>		Preterm <sup>2</sup>	
	2017	2016	2017	2016
	Percent of births			
United States <sup>3</sup>	7.17	7.09	9.93	9.85
Alabama	8.64	8.43	12.03	11.98
Alaska	6.50	6.77	8.99	8.92
Arizona	6.88	6.73	9.27	9.07
Arkansas	8.28	7.82	11.38	10.87
California	6.42	6.32	8.68	8.61
Colorado	6.37	6.44	8.76	8.86
Connecticut	6.70	6.84	9.49	9.42
Delaware	7.49	6.93	10.21	10.06
District of Columbia	6.93	7.36	10.63	10.75
Florida	7.27	7.21	10.22	10.15
Georgia	8.14	7.88	11.42	11.22
Hawaii	7.74	7.84	10.45	10.55
Idaho	6.46	6.71	8.75	8.93
Illinois	7.49	7.25	10.42	10.33
Indiana	7.09	7.15	9.85	9.98
Iowa	6.83	6.88	9.16	9.27
Kansas	6.91	6.62	9.58	9.09
Kentucky	8.06	8.30	11.13	11.41
Louisiana	9.16	9.09	12.66	12.64
Maine	6.35	6.40	8.68	8.57
Maryland	7.28	7.10	10.47	10.14
Massachusetts	6.63	6.31	8.90	8.66
Michigan	7.28	7.24	10.27	10.14
Minnesota	6.54	6.50	8.91	8.78
Mississippi	9.67	9.62	13.56	13.65
Missouri	7.64	7.36	10.56	10.17
Montana	7.27	6.39	9.48	8.75
Nebraska	7.28	7.00	9.90	9.61
Nevada	7.78	7.65	10.73	10.37
New Hampshire	6.17	5.47	8.36	7.79
New Jersey	6.88	7.07	9.43	9.87
New Mexico	7.45	7.11	10.18	9.99
New York	6.40	6.41	8.98	8.96
North Carolina	7.28	7.21	10.49	10.39
North Dakota	6.33	6.67	8.80	9.14
Ohio	7.36	7.33	10.36	10.43
Oklahoma	8.17	7.96	11.12	10.65
Oregon	6.19	5.86	8.35	7.95
Pennsylvania	6.59	6.62	9.43	9.31
Rhode Island	5.59	6.75	8.30	9.34
South Carolina	7.89	7.83	11.22	11.16
South Dakota	6.96	6.87	9.29	8.95
Tennessee	8.13	8.10	11.06	11.31
Texas	7.66	7.54	10.58	10.41
Utah	7.14	7.22	9.44	9.61
Vermont	5.56	5.62	7.52	7.95
Virginia	6.80	6.79	9.54	9.56
Washington	6.24	6.02	8.39	8.14
West Virginia	8.89	8.86	11.94	11.85
Wisconsin	7.03	6.95	9.64	9.59
Wyoming	6.85	6.85	8.93	9.48

See footnotes at end of table.

## Vital Statistics Surveillance Report

**Table 6. Preterm and late preterm births: United States, each state and territory, final 2016 and provisional 2017—Con.**

[By place of residence. Data are based on a continuous file of records received from the states]

Area	Late preterm <sup>1</sup>		Preterm <sup>2</sup>	
	2017	2016	2017	2016
	Percent of births			
Puerto Rico	8.35	8.53	11.43	11.50
Virgin Islands	---	---	---	---
Guam	8.28	7.01	10.26	9.37
American Samoa	---	---	---	---
Northern Marianas	6.27	10.19	7.80	12.14

--- Data not available.

<sup>1</sup>Births at 34–36 completed weeks of gestation based on the obstetric estimate; see Technical Notes.

<sup>2</sup>Births before 37 completed weeks of gestation based on the obstetric estimate; see Technical Notes.

<sup>3</sup>Excludes data for the territories.

NOTE: For information on the relative standard errors of the data and further discussion, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.



## Technical Notes

### Nature and source of data

Provisional data for 2017 are based on nearly all births for that year (United States total is 99.93%) (Table); the total level for each state and the District of Columbia was at or above 98.71%. Provisional 2017 data are based on the continuous receipt and processing of statistical records through February 14, 2018, by the National Center for Health Statistics (NCHS). NCHS receives the data from the state's vital registration systems through the Vital Statistics Cooperative Program. In this report, U.S. totals include only events occurring within the 50 states and the District of Columbia. Data for Puerto Rico, Guam, and Northern Marianas are included in tables showing data by state but are not included in U.S. totals (Tables 2, 4–6, and Table). As of release of the 2017 provisional birth file, less than 85% of data for the Virgin Islands and American Samoa were available. Accordingly, data for these territories are not included in this report. Detailed information on reporting completeness and reporting criteria may be found elsewhere (2,9).

The production of the 2017 provisional estimates shown in this report is part of the National Vital Statistics System, Vital Statistics Rapid Release, Quarterly Provisional Estimates series and includes birth data for the 12 months (ending with quarter 4) of 2017 (1). Except for small changes in record weights, the same processing procedure was used for provisional data as was used for the preliminary data for prior years.

For preliminary estimates, records in the file were weighted to independent counts of births occurring in each state for the entire year. For the 2016 and 2017 provisional data, records in the file were weighted, when necessary, to independent counts of births occurring in each state by *month* of

the year. Except for small changes in record weights, provisional data follow the same processing procedure as used for preliminary data; thus, provisional data are essentially consistent with preliminary data. Detailed information on weighting and the reliability of estimates is available elsewhere (10).

### 2003 U.S. Standard Certificate of Live Birth

This report includes 2017 data on select items collected from the 2003 revision of the U.S. Standard Certificate of Live Birth (described in detail elsewhere, 3,9–12). All 50 states, the District of Columbia, Puerto Rico, Guam, and Northern Marianas implemented the revised birth certificate as of January 1, 2016.

### Age of mother, method of delivery, and birthweight

For information on age of mother and other items presented in this report, see “User Guide to the 2016 Natality Public Use File” (9).

### Hispanic origin and race

#### Hispanic origin

Hispanic origin and race are reported separately on the birth certificate. Data shown by Hispanic origin include all persons of Hispanic origin of any race. Data for non-Hispanic persons are shown separately for each single-race group.

Items asking for the Hispanic origin of the mother have been included on the birth certificates of all states and the District of Columbia, the Virgin Islands, and Guam since 1993, on the birth certificate of Puerto Rico starting in 2005, and on the birth certificate of Northern Marianas starting in 2010 (9). American Samoa does not collect this information.

### Race

This report presents national data on race categories based on the 1997 Office of Management and Budget (OMB) standards (4). The 2003 revision of the U.S. Standard Certificate of Live Birth allows the reporting of five race categories either alone (i.e., single race) or in combination (i.e., more than one race or multiple races) for each parent (11), in accordance with the 1997 revised OMB standards (4). The five categories for race specified in the revised standards are: American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, and white; see “User Guide to the 2016 Natality Public Use File” (9).

Starting in 2016, all states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and Northern Marianas reported race according to the 1997 revised OMB standards; data from American Samoa still follow the 1977 OMB standards (3,9). Prior to 2016, the multiple-race reporting states varied widely, increasing from 6 states in 2003 to all 50 states, the District of Columbia, and all territories except American Samoa in 2016 (see 2003 U.S. Standard Certificate of Live Birth section).

Information detailing the processing and tabulation of data by race is presented elsewhere (9).

### Marital status

Starting in 2017, NCHS cannot release record-level data on the marital status of the mother for California due to state statutory restrictions. Tabulated data on births by marital status for California were not available at the time of report preparation and information on marital status is not included in this report. National information on marital status will be included in “Births: Final Data for 2017.”

## Gestational age

Beginning with the 2014 data year, NCHS transitioned to a new standard for estimating the gestational age of the newborn. The new measure—the obstetric estimate of gestation at delivery (OE)—replaces the measure based on the date of the last normal menses (last menstrual period or LMP) (13). National data based on OE data are available only from data year 2007 forward. Gestational age estimates differ somewhat between the OE- and LMP-based measures (13).

## Population denominators

U.S. national birth and fertility rates for 2017 shown in this report are based on population estimates derived from the 2010 census as of July 1, 2017 (14).

Postcensal population estimates by age, sex, race, and Hispanic origin for 2017 at the national and state levels were not available as of the preparation of this report. Accordingly, birth and fertility rates by race and Hispanic origin and fertility rates by state could not be shown in this report. These rates will be shown in the 2017 final birth report scheduled for release in the fall of 2018.

## Computing rates and percentages

In computing birth rates, age of mother is imputed if it is not stated (less than 1% for 2017).

Percentages were computed using only events for which the characteristic is reported. The “not stated” category is subtracted from the total before the percentage is computed for timing of prenatal care, method of delivery, gestational age, and birthweight.

An asterisk (\*) indicates that the figure does not meet standards of reliability or precision. In this report,

four criteria determine whether a figure meets these standards:

1. The state-specific sample is complete enough to provide reliable estimates. For example, a criterion of at least 85% of a state’s records for the total 12-month period is used as a basis for providing state-specific estimates (Table).
2. Reporting for any particular variable is at least 80% complete. (In this report, no data were suppressed based on this criterion.)
3. A rate is based on at least 20 births in the numerator.
4. A proportion (or percentage) is shown if the denominator size is at least 30 events and the absolute width is greater than 0.00 and less than or equal to 0.05, or if the width is between 0.05 and 0.30 and the relative confidence interval is less than or equal to 130%.

Rates based on fewer than 20 births have a relative standard error (RSE) of about 23% or more and, therefore, are considered highly variable. However, some birth rates (based on data files that are less than 100% complete and based on 20 to 31 births) may have RSEs of 23% or more but are still shown instead of asterisks. Caution should be exercised in analyzing rates based on 20 to 31 events. Additional information on random variation in numbers of events, rates, ratios, and percentages may be found in the Reliability of estimates section.

Starting with this report, a new criterion for presenting proportions (and percentages) was implemented by NCHS. In prior reports, the criterion was based on the proportion or percentage having at least 20 births in the numerator, as rates still are currently. The new criterion (or standard) is based on denominator size and on the absolute or relative widths of the confidence interval (CI) of the proportion (or percentage) calculated using the

Clopper–Pearson method. For information and discussion on the new criteria, see “National Center for Health Statistics Data Presentation Standards for Proportions” (15). All percentages shown in this report conform with the new standards.

## Reliability of estimates

For information and discussion on the reliability of provisional natality data, see “Births: Provisional Data for 2016” (2).

# Vital Statistics Surveillance Report

**Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2017**

[By place of occurrence]

Area	Total		January		February		March	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
United States <sup>1</sup>	3,862,704	99.926	314,587	99.999	290,052	99.861	319,904	99.998
Alabama	57,459	100.000	4,818	100.000	4,365	100.000	4,681	100.000
Alaska	10,337	100.000	783	100.000	774	100.000	900	100.000
Arizona	82,819	99.986	7,058	99.986	6,228	99.984	6,863	100.000
Arkansas	36,105	100.000	3,033	100.000	2,693	100.000	2,978	100.000
California	472,713	99.932	39,467	100.000	36,091	100.000	39,222	99.995
Colorado	64,947	99.998	5,050	100.000	4,659	100.000	5,518	100.000
Connecticut	36,711	99.997	2,915	100.000	2,717	100.000	3,088	100.000
Delaware	11,252	99.911	907	100.000	851	100.000	948	100.000
District of Columbia	14,593	100.000	1,178	100.000	1,101	100.000	1,194	100.000
Florida	223,588	99.999	18,571	100.000	17,073	100.000	18,347	100.000
Georgia	130,145	99.990	10,835	100.000	9,968	100.000	10,748	99.981
Hawaii	17,509	100.000	1,521	100.000	1,369	100.000	1,509	100.000
Idaho	21,824	99.986	1,739	100.000	1,655	99.879	1,895	100.000
Illinois	145,664	99.999	11,720	100.000	10,912	100.000	12,038	100.000
Indiana	83,122	100.000	6,697	100.000	6,155	100.000	6,975	100.000
Iowa	38,266	99.995	3,045	100.000	2,874	100.000	3,220	100.000
Kansas	38,009	100.000	3,043	100.000	2,778	100.000	3,200	100.000
Kentucky	52,319	100.000	4,188	100.000	3,899	100.000	4,376	100.000
Louisiana	61,076	99.938	5,173	100.000	4,456	100.000	4,929	100.000
Maine	12,069	100.000	879	100.000	883	100.000	1,051	100.000
Maryland	68,138	100.000	5,433	100.000	4,947	100.000	5,548	100.000
Massachusetts	71,513	99.999	5,618	100.000	5,213	100.000	5,972	100.000
Michigan	110,187	99.772	8,929	99.978	8,304	100.000	9,266	99.989
Minnesota	67,533	100.000	5,324	100.000	5,045	100.000	5,658	100.000
Mississippi	36,564	99.997	3,103	100.000	2,769	100.000	2,951	100.000
Missouri	73,828	99.973	5,894	100.000	5,538	100.000	6,108	100.000
Montana	11,748	100.000	954	100.000	848	100.000	1,025	100.000
Nebraska	26,164	100.000	2,081	100.000	1,950	100.000	2,162	100.000
Nevada	35,451	100.000	2,961	100.000	2,650	100.000	2,842	100.000
New Hampshire	12,060	100.000	947	100.000	878	100.000	961	100.000
New Jersey	98,968	99.340	7,821	99.987	7,707	94.810	7,927	100.000
New Mexico	22,171	99.301	1,863	100.000	1,739	100.000	1,902	100.000
New York	230,297	99.978	18,633	100.000	17,244	100.000	19,070	100.000
New York excluding								
New York City	113,284	100.000	8,719	100.000	8,340	100.000	9,371	100.000
New York City	117,013	99.956	9,914	100.000	8,904	100.000	9,699	100.000
North Carolina	122,073	100.000	9,793	100.000	9,067	100.000	10,059	100.000
North Dakota	12,391	99.992	952	100.000	934	100.000	1,085	100.000
Ohio	137,446	100.000	10,941	100.000	10,182	100.000	11,437	100.000
Oklahoma	48,641	99.965	3,942	100.000	3,660	100.000	4,045	100.000
Oregon	44,126	99.993	3,537	100.000	3,294	100.000	3,698	100.000
Pennsylvania	136,863	99.980	10,993	100.000	10,230	100.000	11,311	100.000
Rhode Island	11,196	100.000	847	100.000	847	100.000	898	100.000
South Carolina	53,576	99.996	4,433	100.000	4,028	100.000	4,491	100.000
South Dakota	12,804	100.000	1,008	100.000	955	100.000	1,075	100.000
Tennessee	86,548	98.711	7,129	100.000	6,613	100.000	7,087	100.000
Texas	389,975	99.964	32,311	100.000	29,134	100.000	31,691	99.994
Utah	49,652	100.000	3,840	100.000	3,712	100.000	4,244	100.000
Vermont	5,518	100.000	487	100.000	379	100.000	415	100.000
Virginia	99,300	100.000	8,019	100.000	7,157	100.000	8,250	100.000
Washington	87,326	99.999	7,061	100.000	6,601	100.000	7,271	100.000
West Virginia	19,136	99.895	1,562	100.000	1,536	100.000	1,619	100.000
Wisconsin	64,719	99.998	5,062	100.000	4,905	100.000	5,626	100.000
Wyoming	6,265	100.000	489	100.000	485	100.000	530	100.000
Puerto Rico	24,500	99.269	2,154	100.000	1,864	100.000	2,054	100.000
Virgin Islands	1,197	---	131	---	86	---	121	---
Guam	3,292	100.000	287	100.000	257	100.000	283	100.000
American Samoa	943	68.929	74	100.000	89	100.000	100	100.000
Northern Marianas	1,207	97.597	89	100.000	94	100.000	112	98.214

See footnotes at end of table.

# Vital Statistics Surveillance Report

**Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2017—Con.**

[By place of occurrence]

Area	April		May		June	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
United States <sup>1</sup>	300,729	99.999	323,094	99.996	324,567	99.982
Alabama	4,232	100.000	4,632	100.000	4,708	100.000
Alaska	860	100.000	885	100.000	888	100.000
Arizona	6,383	100.000	6,599	99.985	6,687	100.000
Arkansas	2,680	100.000	2,906	100.000	2,962	100.000
California	37,059	99.997	39,476	99.997	39,017	99.985
Colorado	5,200	100.000	5,580	100.000	5,752	100.000
Connecticut	3,039	100.000	3,149	100.000	3,133	100.000
Delaware	885	100.000	969	100.000	1,005	100.000
District of Columbia	1,159	100.000	1,239	100.000	1,339	100.000
Florida	16,855	100.000	17,722	100.000	17,953	100.000
Georgia	9,774	100.000	10,755	100.000	10,721	100.000
Hawaii	1,418	100.000	1,437	100.000	1,356	100.000
Idaho	1,738	100.000	1,921	100.000	1,951	100.000
Illinois	11,571	100.000	12,527	100.000	12,373	100.000
Indiana	6,534	100.000	6,781	100.000	6,933	100.000
Iowa	3,040	100.000	3,267	100.000	3,240	100.000
Kansas	2,963	100.000	3,249	100.000	3,213	100.000
Kentucky	3,999	100.000	4,375	100.000	4,306	100.000
Louisiana	4,592	100.000	4,873	100.000	4,995	100.000
Maine	968	100.000	1,060	100.000	1,031	100.000
Maryland	5,350	100.000	5,694	100.000	5,700	100.000
Massachusetts	5,717	100.000	6,114	100.000	6,199	100.000
Michigan	8,720	100.000	9,505	99.979	9,495	99.968
Minnesota	5,535	100.000	6,030	100.000	5,979	100.000
Mississippi	2,557	100.000	2,991	100.000	2,985	100.000
Missouri	5,737	100.000	6,294	100.000	6,258	100.000
Montana	961	100.000	1,075	100.000	1,042	100.000
Nebraska	2,131	100.000	2,244	100.000	2,356	100.000
Nevada	2,742	100.000	2,996	100.000	3,019	100.000
New Hampshire	962	100.000	1,078	100.000	1,122	100.000
New Jersey	7,598	100.000	8,386	99.976	8,479	99.493
New Mexico	1,715	100.000	1,828	100.000	1,844	100.000
New York	18,324	100.000	19,269	100.000	19,608	100.000
New York excluding New York City	9,086	100.000	9,698	100.000	9,935	100.000
New York City	9,238	100.000	9,571	100.000	9,673	100.000
North Carolina	9,287	100.000	9,935	100.000	10,211	100.000
North Dakota	1,046	100.000	1,061	100.000	1,063	100.000
Ohio	10,830	100.000	11,584	100.000	11,660	100.000
Oklahoma	3,667	100.000	4,157	99.976	4,167	100.000
Oregon	3,596	100.000	3,922	100.000	3,822	100.000
Pennsylvania	10,860	99.991	11,565	99.991	11,516	100.000
Rhode Island	892	100.000	913	100.000	955	100.000
South Carolina	4,028	99.975	4,363	100.000	4,410	100.000
South Dakota	988	100.000	1,115	100.000	1,116	100.000
Tennessee	6,476	100.000	7,069	99.943	7,120	99.888
Texas	29,478	99.997	31,840	99.994	32,233	99.994
Utah	4,090	100.000	4,450	100.000	4,449	100.000
Vermont	487	100.000	457	100.000	529	100.000
Virginia	7,609	100.000	8,338	100.000	8,446	100.000
Washington	7,165	100.000	7,653	100.000	7,476	100.000
West Virginia	1,426	100.000	1,609	100.000	1,616	100.000
Wisconsin	5,277	100.000	5,555	100.000	5,593	100.000
Wyoming	529	100.000	602	100.000	536	100.000
Puerto Rico	1,939	100.000	2,048	100.000	1,992	100.000
Virgin Islands	84	---	84	---	80	---
Guam	277	100.000	271	100.000	262	100.000
American Samoa	70	100.000	89	100.000	65	100.000
Northern Marianas	100	100.000	97	97.938	83	98.795

See footnotes at end of table.

# Vital Statistics Surveillance Report

**Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2017—Con.**

[By place of occurrence]

Area	July		August		September	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
United States <sup>1</sup>	335,546	99.985	352,914	99.993	337,817	99.986
Alabama	4,924	100.000	5,411	100.000	5,097	100.000
Alaska	905	100.000	923	100.000	925	100.000
Arizona	7,058	100.000	7,508	99.987	7,303	100.000
Arkansas	3,185	100.000	3,478	100.000	3,141	100.000
California	40,528	99.995	42,320	99.993	41,532	99.986
Colorado	5,652	100.000	5,854	100.000	5,658	100.000
Connecticut	3,174	100.000	3,323	100.000	3,279	100.000
Delaware	974	100.000	992	100.000	963	100.000
District of Columbia	1,307	100.000	1,264	100.000	1,278	100.000
Florida	19,046	100.000	20,429	100.000	19,230	100.000
Georgia	11,219	100.000	12,194	100.000	11,427	99.991
Hawaii	1,522	100.000	1,488	100.000	1,499	100.000
Idaho	1,907	100.000	1,960	100.000	1,873	100.000
Illinois	12,851	100.000	13,322	100.000	12,552	100.000
Indiana	7,381	100.000	7,597	100.000	7,362	100.000
Iowa	3,339	99.970	3,583	100.000	3,360	100.000
Kansas	3,317	100.000	3,616	100.000	3,298	100.000
Kentucky	4,572	100.000	4,842	100.000	4,690	100.000
Louisiana	5,241	99.981	5,925	100.000	5,509	100.000
Maine	1,082	100.000	1,140	100.000	1,038	100.000
Maryland	6,049	100.000	6,374	100.000	5,698	100.000
Massachusetts	6,358	100.000	6,535	100.000	6,113	100.000
Michigan	9,734	99.969	10,096	99.931	9,424	99.809
Minnesota	5,893	100.000	6,060	100.000	5,752	100.000
Mississippi	3,158	99.968	3,463	100.000	3,222	100.000
Missouri	6,484	99.954	6,766	99.985	6,412	100.000
Montana	1,015	100.000	1,033	100.000	966	100.000
Nebraska	2,234	100.000	2,382	100.000	2,183	100.000
Nevada	3,086	100.000	3,156	100.000	3,123	100.000
New Hampshire	1,079	100.000	1,082	100.000	1,063	100.000
New Jersey	8,680	99.620	8,984	99.889	8,544	99.895
New Mexico	2,008	100.000	2,041	99.951	1,977	99.697
New York	20,318	100.000	20,541	100.000	19,880	100.000
New York excluding New York City	10,153	100.000	10,416	100.000	9,853	100.000
New York City	10,165	100.000	10,125	100.000	10,027	100.000
North Carolina	10,623	100.000	11,396	100.000	10,875	100.000
North Dakota	1,057	100.000	1,081	100.000	1,039	100.000
Ohio	12,013	100.000	12,549	100.000	12,116	100.000
Oklahoma	4,170	99.976	4,474	99.978	4,326	99.954
Oregon	3,852	100.000	3,946	100.000	3,786	100.000
Pennsylvania	11,943	99.983	12,470	100.000	12,212	99.992
Rhode Island	1,018	100.000	1,039	100.000	1,002	100.000
South Carolina	4,598	100.000	5,020	100.000	4,770	100.000
South Dakota	1,170	100.000	1,196	100.000	1,078	100.000
Tennessee	7,531	99.987	8,109	99.988	7,701	100.000
Texas	33,230	99.997	35,746	100.000	34,820	99.997
Utah	4,390	100.000	4,503	100.000	4,186	100.000
Vermont	468	100.000	509	100.000	462	100.000
Virginia	8,602	100.000	9,158	100.000	8,953	100.000
Washington	7,679	100.000	7,786	100.000	7,476	100.000
West Virginia	1,719	100.000	1,803	100.000	1,685	99.881
Wisconsin	5,658	100.000	5,902	100.000	5,486	100.000
Wyoming	545	100.000	545	100.000	473	100.000
Puerto Rico	1,941	100.000	2,095	100.000	2,069	100.000
Virgin Islands	85	---	85	---	119	---
Guam	281	100.000	307	100.000	299	100.000
American Samoa	82	100.000	81	100.000	73	---
Northern Marianas	91	97.802	114	98.246	115	99.130

See footnotes at end of table.

# Vital Statistics Surveillance Report

**Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2017—Con.**

[By place of occurrence]

Area	October		November		December	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
United States <sup>1</sup>	330,509	99.968	317,010	99.898	315,975	99.424
Alabama	4,939	100.000	4,865	100.000	4,787	100.000
Alaska	857	100.000	797	100.000	840	100.000
Arizona	7,414	99.987	6,877	99.971	6,841	99.927
Arkansas	2,998	100.000	3,050	100.000	3,001	100.000
California	40,535	99.857	38,954	99.720	38,512	99.657
Colorado	5,545	100.000	5,150	99.981	5,329	100.000
Connecticut	3,055	100.000	3,011	100.000	2,828	99.965
Delaware	995	100.000	878	100.000	885	98.870
District of Columbia	1,220	100.000	1,170	100.000	1,144	100.000
Florida	19,601	99.995	19,136	100.000	19,625	99.995
Georgia	10,864	99.982	10,767	99.981	10,873	99.945
Hawaii	1,525	100.000	1,418	100.000	1,447	100.000
Idaho	1,861	100.000	1,625	100.000	1,699	99.941
Illinois	12,435	100.000	11,727	100.000	11,636	99.991
Indiana	7,088	100.000	6,857	100.000	6,762	100.000
Iowa	3,131	100.000	3,064	99.967	3,103	100.000
Kansas	3,211	100.000	3,084	100.000	3,037	100.000
Kentucky	4,499	100.000	4,283	100.000	4,290	100.000
Louisiana	5,225	99.981	5,200	100.000	4,958	99.274
Maine	1,012	100.000	936	100.000	989	100.000
Maryland	6,004	100.000	5,665	100.000	5,676	100.000
Massachusetts	6,176	99.984	5,743	100.000	5,755	100.000
Michigan	9,094	99.978	8,769	98.837	8,851	98.746
Minnesota	5,607	100.000	5,307	100.000	5,343	100.000
Mississippi	3,100	100.000	3,153	100.000	3,112	100.000
Missouri	6,259	99.952	6,069	99.901	6,009	99.884
Montana	958	100.000	909	100.000	962	100.000
Nebraska	2,237	100.000	2,099	100.000	2,105	100.000
Nevada	3,059	100.000	2,918	100.000	2,899	100.000
New Hampshire	1,015	100.000	969	100.000	904	100.000
New Jersey	8,504	99.835	8,251	99.527	8,087	98.739
New Mexico	1,881	99.575	1,711	98.539	1,662	93.081
New York	19,706	99.995	19,041	99.984	18,663	99.748
New York excluding						
New York City	9,608	100.000	9,160	100.000	8,945	100.000
New York City	10,098	99.990	9,881	99.970	9,718	99.516
North Carolina	10,395	100.000	10,312	100.000	10,120	100.000
North Dakota	1,039	100.000	1,017	100.000	1,017	99.902
Ohio	11,841	100.000	11,104	100.000	11,189	100.000
Oklahoma	4,181	99.904	3,898	99.897	3,954	99.899
Oregon	3,652	100.000	3,478	100.000	3,543	99.915
Pennsylvania	11,784	100.000	10,866	99.982	11,113	99.820
Rhode Island	969	100.000	910	100.000	906	100.000
South Carolina	4,585	100.000	4,411	100.000	4,439	99.977
South Dakota	1,111	100.000	981	100.000	1,011	100.000
Tennessee	7,565	99.960	7,127	99.860	7,021	84.489
Texas	34,030	99.985	32,773	99.966	32,689	99.651
Utah	4,041	100.000	3,921	100.000	3,826	100.000
Vermont	476	100.000	447	100.000	402	100.000
Virginia	8,621	100.000	8,199	100.000	7,948	100.000
Washington	7,232	100.000	7,044	100.000	6,882	99.985
West Virginia	1,547	99.935	1,507	99.668	1,507	99.204
Wisconsin	5,305	100.000	5,054	100.000	5,296	99.981
Wyoming	525	100.000	508	100.000	498	100.000
Puerto Rico	2,176	100.000	2,146	100.000	2,022	91.147
Virgin Islands	113	---	102	---	107	---
Guam	243	100.000	235	100.000	290	100.000
American Samoa	89	---	64	---	67	---
Northern Marianas	97	95.876	98	95.918	117	90.598

--- Data not available.

<sup>1</sup>Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.

NOTE: Percent completeness = number of records in provisional file \* 100 / Count of records.

SOURCE: NCHS, National Vital Statistics System, Natality.

## Acknowledgments

This report was prepared in the Division of Vital Statistics (DVS) under the general direction of Delton Atkinson, Director, DVS; Paul Sutton, Acting Chief, Reproductive Statistics Branch (RSB); and Joyce Martin, Team Lead, RSB Birth Team. Rajesh Virkar, Chief of the Information Technology Branch (ITB); Steve J. Steimel (ITB); Annie S. Liu (ITB); Jasmine N. Mickens (ITB); and Tewodros K. Weldeamlak (ITB) provided computer programming support and statistical tables. Steve J. Steimel and Annie S. Liu prepared the natality file. The Registration Methods and Data Acquisition, Classification and Evaluation Branch staff of DVS evaluated the quality of and acceptance procedures for the state data files on which this report is based.

## Suggested citation

Hamilton BE, Martin JA, Osterman MJK, Driscoll AK, Rossen LM. Births: Provisional data for 2017. Vital Statistics Rapid Release; no 4. Hyattsville, MD: National Center for Health Statistics. May 2018. Available from: <https://www.cdc.gov/nchs/data/vsrr/report004.pdf>.

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