



Births: Provisional Data for 2018

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Abstract

Objectives—This report presents provisional 2018 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.

Methods—Data are based on 99.73% of 2018 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 2018. Comparisons are made with final 2017 data and earlier years.

Results—The provisional number of births for the United States in 2018 was 3,788,235, down 2% from 2017 and the lowest number of births in 32 years. The general fertility rate was 59.0 births per 1,000 women aged 15–44, down 2% from 2017 and another record low for the United States. The total fertility rate declined 2% to 1,728.0 births per 1,000 women in 2018, another record low for the nation. Birth rates declined for nearly all age groups of women under 35, but rose for women in their late 30s and early 40s. The birth rate for teenagers aged 15–19 was down 7% in 2018 to 17.4 births per 1,000 women; rates declined for both younger (aged 15–17) and older (aged 18–19) teenagers. The cesarean delivery rate decreased to 31.9% in 2018; the low-risk cesarean delivery rate decreased to 25.9%. The preterm birth rate rose for the fourth year in a row to 10.02% in 2018; the 2018 rate of low birthweight was unchanged from 2017 (8.28%).

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

help readers understand and interpret provisional natality and mortality data.

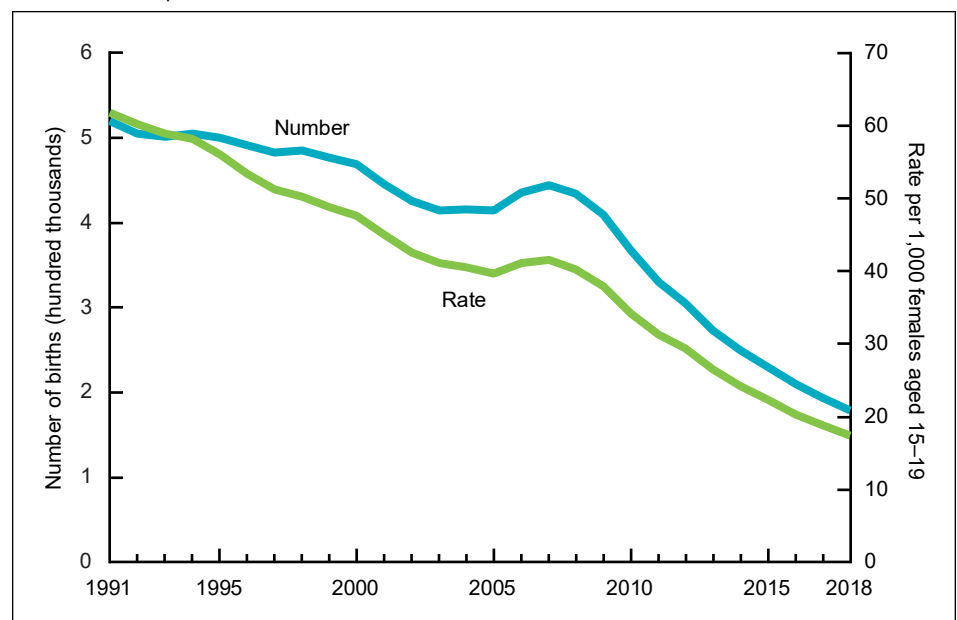
Introduction

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

Using provisional birth data for the 12 months of 2018 (1), this report supplements the Quarterly Provisional Estimates for 2018 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 origin of the mother and by state of residence) for selected topics than is shown in the quarterly estimates.

This report replaces 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 2018 to assess the accuracy of the estimates.

Figure 1. Number of live births and birth rates for females aged 15–19: United States, final 1991–2017 and provisional 2018



SOURCE: NCHS, National Vital Statistics System, Natality.

Statistics in the provisional reports for 2016 and 2017 and preliminary reports for 1995–2015 have been shown to track well with the final statistics for the year (2,3).

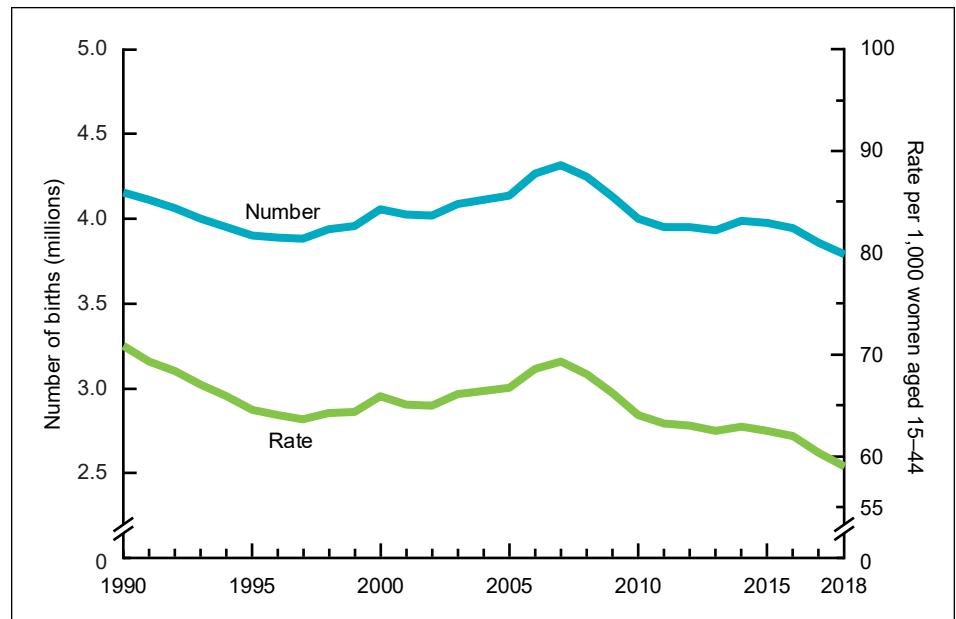
This report presents provisional data on births and birth rates and selected maternal and infant health characteristics for the United States in 2018.

Methods

Findings are based on all birth records received and processed by NCHS for calendar year 2018 as of February 14, 2019; these records represent nearly 100% (99.73%) of registered births occurring in 2018. Comparisons in this report are based on the final data for 2017 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, Northern Marianas, and U.S. Virgin Islands reported data based on the 2003 U.S. Certificate of Live Birth (4). American Samoa continued to report based on the 1989 birth certificate revision. The 2003 revised birth certificate specifies the reporting of race in accordance with the revised standards issued by the Office of Management and Budget (OMB) in 1997 (5). 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) (5). The race and Hispanic-origin groups shown in this report follow the 1997 standards and differ from the bridged-race categories shown in previous reports based on data from 2015 and earlier (6). 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

Figure 2. Number of live births and general fertility rates: United States, final 1990–2017 and provisional 2018



SOURCE: NCHS, National Vital Statistics System, Natality.

Hispanic. For brevity, text references to non-Hispanic white or non-Hispanic black women omit the term “single-race.” For more information on differences between single- and bridged-race groups, see [Technical Notes](#).

Population estimates by age, sex, and race and Hispanic origin for 2018 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 2018 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 2018 was 3,788,235, down 2% from the number in 2017 (3,855,500) ([Tables 1 and 2](#)

and [Figure 2](#)). This is the fourth year that the number of births has declined after the increase in 2014, and the lowest number of births in 32 years (1986) (3,6,7).

- Among the three largest race and Hispanic-origin groups, the provisional number of births declined 1% for Hispanic women and 2% for non-Hispanic white and non-Hispanic black women from 2017 to 2018 ([Table 2](#)) (for the number of births in 2017, see reference 3). The number of births declined 3% for non-Hispanic Asian and non-Hispanic AIAN women, but was essentially unchanged for non-Hispanic NHOPI women from 2017 to 2018.
- The provisional **general fertility rate** (GFR) for the United States in 2018 was 59.0 births per 1,000 women aged 15–44, down 2% from the rate in 2017 (60.3), another record low for the nation ([Table 1](#) and [Figure 2](#)) (3,6,7). From 2014 to 2018, the GFR has declined by an average of 2% per year.
- The provisional **total fertility rate** (TFR) for the United States in 2018 was 1,728.0 births per 1,000 women, down 2% from the rate in 2017 (1,765.5), a record low for the nation

(3,6,7). 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 rate in a given year.

- The TFR in 2018 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 and consistently below replacement for the last decade (3,6,7).

Maternal age

- Provisional birth rates declined for women aged 15–34 from 2017 to 2018, but rose for women aged 35–44 (Table 1).
- The provisional **birth rate for teenagers** in 2018 was 17.4 births per 1,000 women aged 15–19, down 7% from 2017 (18.8) and another record low for this age group (Table 1 and Figure 1) (3,6–8). The rate has declined by 58%, or nearly 8% per year, since 2007 (41.5), the most recent period of continued decline, and 72% (or nearly 5% per year) since 1991, the most recent peak. The number of births to females aged 15–19 was 179,607 in 2018 (Table 1), down 8% from 2017 and down 60% (or 8% per year) from 2007 (444,899) (3,6–8).
- The provisional birth rates for teenagers aged 15–17 and 18–19 in 2018 were 7.2 and 32.3 births per 1,000 women, respectively, down by 9% and 8% from 2017, again reaching record lows for both groups (3,6–8).
- The provisional birth rate for females aged 10–14 was 0.2 births per 1,000 in 2018, unchanged since 2015.
- The provisional **birth rate for women aged 20–24** in 2018 was 67.9 births per 1,000 women, down 4% from 2017 (71.0), again reaching another record low for this age group (Table 1) (3,6,7). This rate has declined by an average of 4% per year since 2007. The number of births to women in their early 20s fell by 5% from 2017 to 2018 (Table 1).

- The provisional **birth rate for women aged 25–29** was 95.2 births per 1,000 women, down 3% from 2017 (98.0), another record low for this age group as well (3,6,7). The number of births to women in their late 20s fell 2% from 2017 to 2018.
- The provisional **birth rate for women aged 30–34** in 2018 was 99.6 births per 1,000 women, down 1% from 2017 (100.3) (Table 1) (3,6,7). The number of births to women in their early 30s was essentially unchanged from 2017 to 2018.
- The provisional **birth rate for women aged 35–39** was 52.6 births per 1,000 women, up 1% from 2017 (52.3). The number of births to women in their late 30s increased by 2% from 2017 to 2018.
- The provisional **birth rate for women aged 40–44** in 2018 was 11.8 births per 1,000 women, up 2% from 2017 (11.6). The rate for this age group has generally risen since 1982 by 3% per year (3,6). The number of births to these women increased by 2% from 2017 to 2018.
- 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, unchanged since 2015. The number of births to women in this age group rose 3% from 2017 to 2018 (Table 1).

Maternal and infant health characteristics

Key findings, illustrated in Tables 3–6 and Figure 3, are listed below.

Prenatal care

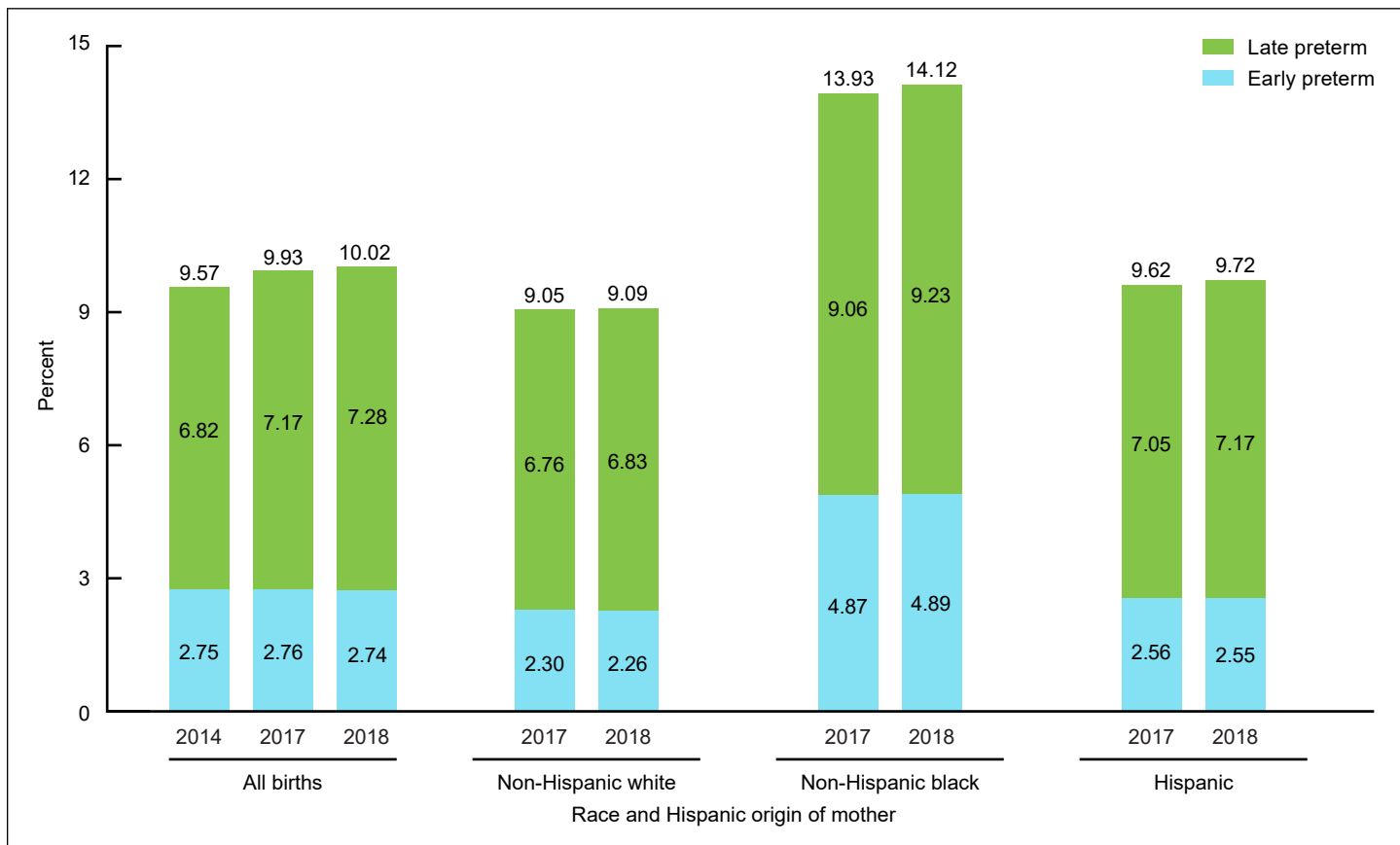
- The percentage of women receiving first trimester prenatal care in 2018 was 77.5%, up from 77.3% in 2017 (Table 3). The percentage of women receiving late (beginning in the third trimester) or no prenatal care decreased in 2018 to 6.2% from 6.3% in 2017. For prenatal care initiation by state, see Table 4.

- The percentage of first trimester prenatal care ranged from 50.9% for non-Hispanic NHOPI women to 82.5% for non-Hispanic white women (see Table 3). First trimester care increased for non-Hispanic white (82.4% to 82.5%), non-Hispanic black (66.6% to 67.1%), non-Hispanic Asian (81.1% to 81.8%), and Hispanic (72.3% to 72.7%) women from 2017 to 2018, and decreased for non-Hispanic AIAN (63.4% to 62.5%) and non-Hispanic NHOPI (52.5% to 50.9%) women.
- Late or no care ranged from 4.5% (non-Hispanic white) to 20.4% (non-Hispanic NHOPI) (Table 3). Late or no care increased from 2017 to 2018 for non-Hispanic AIAN women (12.6% to 13.2%), decreased for non-Hispanic black (10.2% to 9.9%) and non-Hispanic Asian (5.1% to 4.9%) women, and remained essentially unchanged for non-Hispanic white, non-Hispanic NHOPI, and Hispanic women.

Cesarean delivery

- In 2018, the overall cesarean delivery rate decreased to 31.9% (from 32.0% in 2017) (Tables 3 and 5), returning to the lowest rate since 2009 (the rate peaked in 2009 at 32.9%) after an uptick in 2017 (3). See Table 5 for state-specific rates.
- The cesarean delivery rate ranged from 28.7% of births for non-Hispanic AIAN women to 36.1% for non-Hispanic black women (see Table 3). From 2017 to 2018, cesarean delivery decreased for non-Hispanic white (30.9% to 30.8%) and Hispanic (31.8% to 31.7%) women; rates for non-Hispanic black, non-Hispanic AIAN, non-Hispanic Asian, and non-Hispanic NHOPI women were essentially unchanged.
- The low-risk cesarean delivery rate also decreased in 2018 to 25.9% of births from 26.0% in 2017. Low-risk cesarean is cesarean delivery among nulliparous (first birth), term (37 completed weeks or more based on the obstetric estimate), singleton (one fetus), vertex (head-first) births.

Figure 3. Preterm birth rates: United States, final 2014 and 2017 and provisional 2018, and by race and Hispanic origin of mother, final 2017 and provisional 2018



NOTE: Preterm is less than 37 weeks, late preterm is 34 to 36 weeks, and early preterm is less than 34 weeks of gestation.
SOURCE: NCHS, National Vital Statistics System, Natality.

- Low-risk cesarean ranged from 22.3% for non-Hispanic AIAN women to 30.4% for non-Hispanic black women (Table 3). Low-risk cesarean rates decreased from 2017 to 2018 for Hispanic women (25.6% to 25.4%), but were essentially unchanged for other race and Hispanic-origin groups.

Preterm birth

- The **preterm birth rate** rose for the fourth year in a row to 10.02% in 2018, from 9.93% in 2017 (3) (Table 3). The percentage of infants born preterm (births at less than 37 completed weeks of gestation) fell 8% from 2007 (the most recent year for which national data are available based on the obstetric estimate of gestation) to 2014, but has risen 5% from 2014 (9.57%) to 2018 (3). See Table 6 for state-specific rates.

- The rise in the overall preterm rate from 2017 to 2018 is due to the increase in **late preterm births** (34–36 completed weeks of gestation) (Table 3), which rose 2% from 7.17% of births to 7.28%. The percentage of infants born early preterm (less than 34 weeks) declined to 2.74% from 2.76%.
- Preterm rates increased for births to non-Hispanic black (13.93% to 14.12%) and Hispanic (9.62% to 9.72%) women from 2017 to 2018; increases for both groups were among late preterm births. The increase in the total preterm rate among births to non-Hispanic white women (9.05% to 9.09%) was not statistically significant; the late preterm birth rate rose (6.76% to 6.83%), and the early preterm rate declined (2.30% to 2.26%) for this group.

Low birthweight

- The **low birthweight rate** (LBW) was unchanged in 2018 from 2017 at 8.28% (Table 3). The 2017–2018 LBW rate (the percentage of infants born at less than 2,500 grams or 5lb, 8 oz per 100 births) is similar to the highest level ever reported (8.26% in 2006) (9). Following a downward trend from 2007 to 2014, the LBW rate has risen 3%.
- The rate of moderately low birthweight (1,500–2,499 grams) was essentially stable at 6.90% for 2018 compared with 6.87% in 2017; the percentage of **very low birthweight** infants (less than 1,500 grams) declined slightly from 1.41% to 1.37% (Table 3).
- LBW declined among births to non-Hispanic white women (7.00% to 6.91%) but rose among births to

non-Hispanic black women (13.89% to 14.06%). The rate of births to Hispanic women was 7.48% in 2018, a nonstatistically significant increase from 2017 (7.43%), but a record high for this group since national data became available in 1993 (6).

References

1. Rossen LM, Osterman MJK, Hamilton BE, Martin JA. Quarterly provisional estimates for selected birth indicators, 2017-Quarter 4, 2018. National Center for Health Statistics. National Vital Statistics System, Vital Statistics Rapid Release Program. 2019. Available from: <https://www.cdc.gov/nchs/products/vsrr/nativity.htm>.
2. Hamilton BE, Martin JA, Osterman MJK, Driscoll AK, Rossen LM. Births: Provisional data for 2017. National Center for Health Statistics. May 2018. Available from: <https://www.cdc.gov/nchs/data/vsrr/report004.pdf>.
3. 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.
4. National Center for Health Statistics. U.S. Standard Certificate of Live Birth. 2003. Available from: <https://www.cdc.gov/nchs/data/dvs/birth11-03final-ACC.pdf>.
5. U.S. 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. Available from: https://obamawhitehouse.archives.gov/omb/fedreg_1997standards.
6. Martin JA, Hamilton BE, Osterman MJK, Driscoll AK, Mathews TJ. Births: Final data for 2015. National Vital Statistics Reports; vol 66 no 1. Hyattsville, MD: National Center for Health Statistics. 2017. Available from: https://www.cdc.gov/nchs/data/nvsr/nvsr66/nvsr66_01.pdf.
7. National Center for Health Statistics. Vital statistics of the United States, 2003. Volume I, Natality. 2003. Available from: https://www.cdc.gov/nchs/products/vsus/vsus_1980_2003.htm.
8. Ventura SJ, Hamilton BE, Mathews TJ. National and state patterns of teen births in the United States, 1940-2013. National Vital Statistics Reports; vol 63 no 4. Hyattsville, MD: National Center for Health Statistics. 2014. Available from: https://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_04.pdf.
9. Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Kirmeyer S, Mathews TJ. Births: Final data for 2006. National Vital Statistics Reports; vol 57 no 07. Hyattsville, MD: National Center for Health Statistics. 2019. Available from: https://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_07.pdf.
10. National Center for Health Statistics. User guide to the 2017 natality public use file. Available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/nativity/UserGuide2017.pdf.
11. Rossen LM, Osterman MJK, Hamilton BE, Martin JA. Quarterly provisional estimates - technical notes - natality, 2017-quarter 4, 2018. Available from: <https://www.cdc.gov/nchs/products/vsrr/nativity-technical-notes.htm>.
12. National Center for Health Statistics. Report of the Panel to Evaluate the U.S. Standard Certificates. 2000. Available from: https://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf.
13. Martin JA, Osterman MJK, Kirmeyer SE, Gregory ECW. Measuring gestational age in vital statistics data: Transitioning to the obstetric estimate. National Vital Statistics Reports; vol 64 no 5. Hyattsville, MD: National Center for Health Statistics. 2015. Available from: https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_05.pdf.
14. U.S. Census Bureau. Population Division. Annual estimates of the resident population by single year of age and sex for the United States: April 1, 2010 to July 1, 2018 (NC-EST2018-AGESEX-RES). Available from: <https://www2.census.gov/programs-surveys/popest/technical-documentation/file-layouts/2010-2018/nc-est2018-agesex-res.csv>.
15. Parker JD, Talih M, Malec DJ, Beresovsky V, Carroll M, Gonzalez Jr. JF, et al. National Center for Health Statistics data presentation standards for proportions. National Center for Health Statistics. Vital Health Stat 2(175). 2017. Available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf.
16. Hamilton BE, Martin JA, Osterman MJK, Driscoll AK, Rossen LM. Births: Provisional data for 2016. Vital Statistics Rapid Release; no 2. Hyattsville, MD: National Center for Health Statistics. June 2017. Available from: <https://www.cdc.gov/nchs/data/vsrr/report002.pdf>.

List of Detailed Tables

Report tables

1. Births and birth rates, by age of mother: United States, final 2017 and provisional 2018 7
2. Births, by race and Hispanic origin of mother: United States and each state and territory, provisional 2018 8
3. Selected maternal and birth characteristics, by race and Hispanic origin of mother: United States, final 2017 and provisional 2018 10
4. Prenatal care beginning in the first trimester and late or no prenatal care: United States, each state and territory, final 2017 and provisional 2018 11
5. Births, by total cesarean delivery and low-risk cesarean delivery: United States, each state and territory, final 2017 and provisional 2018 13
6. Preterm and late preterm births: United States, each state and territory, final 2017 and provisional 2018 15

Vital Statistics Surveillance Report

Table 1. Births and birth rates, by age of mother: United States, final 2017 and provisional 2018

[Data for 2018 are based on a continuous file of records received from the states. Figures for 2018 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 of mother (years)	2018		2017	
	Number	Rate	Number	Rate
All ages	3,788,235	59.0	3,855,500	60.3
10–14	1,731	0.2	1,917	0.2
15–19	179,607	17.4	194,377	18.8
15–17	44,221	7.2	48,547	7.9
18–19	135,386	32.3	145,830	35.1
20–24	725,157	67.9	764,780	71.0
25–29	1,098,330	95.2	1,123,577	98.0
30–34	1,089,980	99.6	1,091,917	100.3
35–39	566,519	52.6	554,796	52.3
40–44	117,339	11.8	114,813	11.6
45–54 ¹	9,572	0.9	9,323	0.9

¹The 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 in this report.

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 2018

[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 ¹	Non-Hispanic, single race						Hispanic ³
		White ²	Black ²	American Indian or Alaska Native ²	Asian ²	Native Hawaiian or Other Pacific Islander ²		
United States ⁴	3,788,235	1,953,054	551,450	29,048	241,201	9,446	886,375	
Alabama	57,745	33,762	17,597	148	903	45	4,404	
Alaska	10,076	5,053	280	1,869	641	299	807	
Arizona	80,702	32,797	4,304	4,155	2,907	248	34,076	
Arkansas	36,996	23,587	6,960	220	775	501	4,097	
California	454,526	121,271	22,412	1,382	68,849	1,705	212,384	
Colorado	62,873	36,455	3,031	352	2,496	155	17,816	
Connecticut	34,723	18,485	4,423	38	2,233	5	8,762	
Delaware	10,615	5,167	2,771	10	634	4	1,710	
District of Columbia	9,209	3,038	4,251	15	444	2	1,296	
Florida	221,532	95,860	48,172	261	6,996	152	67,200	
Georgia	126,152	55,659	43,735	102	5,769	104	17,438	
Hawaii	16,964	3,286	424	33	4,366	1,706	2,579	
Idaho	21,398	16,568	233	220	348	65	3,550	
Illinois	144,787	77,225	24,476	97	9,453	32	30,359	
Indiana	81,585	59,460	10,243	73	2,382	59	7,866	
Iowa	37,754	29,298	2,616	152	1,176	149	3,694	
Kansas	36,257	25,320	2,574	151	1,228	66	5,977	
Kentucky	53,806	43,214	4,946	68	1,144	78	3,220	
Louisiana	59,517	30,422	22,066	298	1,156	32	4,710	
Maine	12,308	11,019	546	96	202	3	224	
Maryland	71,080	29,585	21,892	83	4,928	31	12,470	
Massachusetts	69,133	39,657	6,823	53	6,182	23	13,812	
Michigan	109,782	74,545	20,552	412	4,392	33	7,134	
Minnesota	67,327	46,004	8,207	982	5,297	57	4,991	
Mississippi	36,999	18,604	15,792	221	411	17	1,662	
Missouri	73,222	53,669	10,570	140	1,699	199	4,409	
Montana	11,509	9,223	58	1,160	111	15	558	
Nebraska	25,416	17,601	1,734	317	924	23	4,138	
Nevada	35,659	13,007	4,563	280	2,612	339	13,304	
New Hampshire	11,992	10,314	241	7	472	6	745	
New Jersey	101,313	45,549	13,863	40	11,473	27	27,642	
New Mexico	23,007	6,448	386	2,588	409	13	12,757	
New York	226,175	110,799	33,154	395	24,376	50	51,746	
North Carolina	118,930	63,496	27,668	1,447	4,833	151	18,359	
North Dakota	10,636	7,816	609	828	250	16	635	
Ohio	135,112	97,345	22,185	96	4,286	73	7,426	
Oklahoma	49,792	28,439	4,134	4,558	1,307	213	7,546	
Oregon	42,152	28,237	958	388	2,260	309	7,989	
Pennsylvania	135,551	90,833	17,721	74	6,204	54	15,804	
Rhode Island	10,506	6,009	777	36	516	5	2,751	
South Carolina	56,662	31,885	16,678	106	1,173	50	5,255	
South Dakota	11,889	8,476	416	1,645	224	7	661	
Tennessee	80,678	53,207	15,910	79	1,877	69	7,822	
Texas	376,945	125,140	47,789	717	19,842	486	178,274	
Utah	47,210	34,304	521	418	1,131	468	8,132	
Vermont	5,431	4,934	118	11	152	1	121	
Virginia	99,787	54,754	20,845	157	7,625	103	14,400	
Washington	86,061	48,997	3,922	1,165	8,728	1,159	16,072	
West Virginia	18,110	16,510	623	13	176	2	375	
Wisconsin	64,088	45,646	6,621	677	3,155	29	6,365	
Wyoming	6,557	5,073	57	212	72	7	851	

See footnotes at end of table.

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Table 2. Births, by race and Hispanic origin of mother: United States and each state and territory, provisional 2018—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 ¹	Non-Hispanic, single race					Hispanic ³
		White ²	Black ²	American Indian or Alaska Native ²	Asian ²	Native Hawaiian or Other Pacific Islander ²	
Puerto Rico	21,366	480	49	3	30	—	20,781
Virgin Islands	---	---	---	---	---	---	---
Guam	3,164	170	23	6	720	2,094	25
American Samoa	---	---	---	---	---	---	---
Northern Marianas	475	10	—	—	120	337	—

— Quantity zero.

--- Data not available.

¹Includes 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.

²Race 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 Technical Notes in this report. Single race is defined as only one race reported on the birth certificate.

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

⁴Excludes 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 2017 and provisional 2018

[Data for 2018 are based on a continuous file of records received from the states. Figures for 2018 are based on weighted data rounded to the nearest individual]

Characteristic	Non-Hispanic, single race						
	All races and origins ¹	White ²	Black ²	American Indian or Alaska Native ²	Asian ²	Native Hawaiian or Other Pacific Islander ²	Hispanic ³
Prenatal care							
Percent							
First trimester care:							
2018	77.5	82.5	67.1	62.5	81.8	50.9	72.7
2017	77.3	82.4	66.6	63.4	81.1	52.5	72.3
Late ⁴ or nocare:							
2018	6.2	4.5	9.9	13.2	4.9	20.4	7.7
2017	6.3	4.5	10.2	12.6	5.1	19.6	7.7
Cesarean delivery							
Total ⁵ :							
2018	31.9	30.8	36.1	28.7	33.1	31.0	31.7
2017	32.0	30.9	36.0	28.5	33.2	31.0	31.8
Low-risk ⁶ :							
2018	25.9	24.9	30.4	22.3	27.6	26.4	25.4
2017	26.0	24.9	30.4	22.8	27.8	26.8	25.6
Gestational age ⁷							
Preterm (less than 37 weeks):							
2018	10.02	9.09	14.12	11.53	8.56	11.81	9.72
2017	9.93	9.05	13.93	11.86	8.53	10.54	9.62
Late preterm (34–36 weeks):							
2018	7.28	6.83	9.23	8.36	6.45	8.23	7.17
2017	7.17	6.76	9.06	8.77	6.34	7.86	7.05
Early preterm (less than 34 weeks):							
2018	2.74	2.26	4.89	3.17	2.11	3.58	2.55
2017	2.76	2.30	4.87	3.09	2.19	2.68	2.56
Birthweight							
Low birth weight (less than 2,500 grams):							
2018	8.28	6.91	14.06	8.00	8.57	8.94	7.48
2017	8.28	7.00	13.89	8.25	8.52	7.74	7.43
Moderately low birth weight (1,500–1,499 grams):							
2018	6.90	5.90	11.14	6.65	7.47	7.46	6.24
2017	6.87	5.94	10.94	6.84	7.39	6.59	6.18
Very low birth weight (less than 1,500 grams):							
2018	1.37	1.01	2.92	1.35	1.10	1.47	1.24
2017	1.41	1.05	2.95	1.41	1.13	1.15	1.26

¹Includes 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.

²Race 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 Technical Notes in this report. Single race is defined as only one race reported on the birth certificate.

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

⁴Late care is beginning in the third trimester.

⁵All births by cesarean delivery per 100 live births.

⁶Low-risk cesarean is defined as singleton, term (37 weeks or more 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.

⁷Completed weeks of gestation based on the obstetric estimate; see Technical Notes.

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 2017 and provisional 2018 [By place of residence. Data are based on a continuous file of records received from the states]

Area	Prenatal care initiation			
	First trimester		Late ¹ or no care	
	2018	2017	2018	2017
	Percent			
United States ²	77.5	77.3	6.2	6.3
Alabama	70.7	71.5	8.0	7.5
Alaska	75.7	75.8	5.8	5.8
Arizona	72.5	72.6	9.4	9.0
Arkansas	70.4	70.2	9.4	10.0
California	85.7	85.2	3.7	3.8
Colorado	79.2	78.7	5.9	6.0
Connecticut	84.0	84.4	3.6	3.3
Delaware	77.9	78.9	7.0	6.7
District of Columbia	70.6	70.2	7.4	9.1
Florida	72.8	73.7	7.8	7.6
Georgia	74.4	74.8	8.7	8.5
Hawaii	72.5	76.5	10.8	7.1
Idaho	81.1	79.5	4.4	4.2
Illinois	77.6	77.0	6.1	6.0
Indiana	72.8	73.1	6.4	6.3
Iowa	81.6	80.9	4.1	4.4
Kansas	83.4	83.2	4.0	3.8
Kentucky	79.0	78.8	5.7	5.5
Louisiana	77.0	77.1	6.5	6.1
Maine	83.4	84.2	4.8	3.6
Maryland	74.6	73.8	6.6	6.9
Massachusetts	83.4	82.7	4.7	5.0
Michigan	79.9	80.4	4.8	4.9
Minnesota	82.6	82.1	3.5	3.8
Mississippi	78.3	78.5	4.8	4.8
Missouri	75.4	76.6	6.4	5.6
Montana	77.5	77.4	6.4	6.0
Nebraska	78.8	77.2	4.7	5.4
Nevada	74.7	74.0	8.7	8.9
New Hampshire	85.7	85.7	3.7	3.7
New Jersey	76.6	76.3	6.0	5.8
New Mexico	70.1	69.8	11.3	11.5
New York	80.9	80.6	4.9	5.0
North Carolina	74.5	74.8	6.9	6.5
North Dakota	80.2	79.3	5.9	5.6
Ohio	76.6	75.6	6.1	6.3
Oklahoma	75.1	74.2	6.9	7.0
Oregon	82.4	81.4	4.7	4.5
Pennsylvania	77.5	76.9	6.3	6.6
Rhode Island	84.6	83.6	1.6	2.0
South Carolina	74.3	73.2	7.2	6.6
South Dakota	77.5	76.0	5.6	6.1
Tennessee	75.7	74.8	6.2	7.7
Texas	69.3	68.2	9.5	10.2
Utah	82.2	83.4	4.4	3.7
Vermont	89.3	90.1	1.9	1.7
Virginia	78.6	79.0	5.0	4.8
Washington	78.5	78.5	5.8	6.1
West Virginia	78.9	77.5	6.7	6.7
Wisconsin	82.8	82.6	4.0	4.1
Wyoming	76.4	78.1	6.9	6.2

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 2017 and provisional 2018—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 ¹ or no care	
	2018	2017	2018	2017
	Percent			
Puerto Rico	79.8	81.5	3.6	3.3
Virgin Islands	---	---	---	---
Guam	60.7	59.3	12.8	13.8
American Samoa	---	---	---	---
Northern Marianas	52.9	52.2	16.6	17.2

--- Data not available.

¹Care beginning in the third trimester.

²Excludes data for the territories.

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

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 2017 and provisional 2018
[By place of residence. Data are based on a continuous file of records received from the states]

Area	Total cesarean		Low-risk cesarean ¹	
	2018	2017	2018	2017
	Percent			
United States ²	31.9	32.0	25.9	26.0
Alabama	34.7	35.1	28.6	28.2
Alaska	22.4	22.5	16.7	19.2
Arizona	27.5	26.9	21.3	20.6
Arkansas	34.8	33.5	28.4	26.6
California	30.9	31.4	24.0	24.4
Colorado	26.1	26.5	21.2	21.6
Connecticut	34.8	34.8	29.4	28.2
Delaware	31.3	31.8	24.0	24.9
District of Columbia	31.6	32.2	28.0	28.7
Florida	36.8	37.2	30.4	31.0
Georgia	34.0	34.2	27.9	27.9
Hawaii	26.9	25.9	22.4	20.7
Idaho	24.0	23.7	18.5	18.1
Illinois	31.2	31.1	25.2	25.1
Indiana	29.8	29.7	23.5	23.4
Iowa	29.9	29.7	23.4	24.0
Kansas	29.7	30.0	24.2	23.8
Kentucky	34.4	35.2	27.8	28.3
Louisiana	37.0	37.5	29.2	30.4
Maine	30.4	29.9	25.0	23.8
Maryland	33.9	33.9	28.2	28.2
Massachusetts	31.5	31.6	25.4	25.7
Michigan	32.2	31.9	27.3	26.6
Minnesota	27.0	27.4	22.9	23.4
Mississippi	38.3	37.8	31.2	30.8
Missouri	30.0	30.1	23.9	23.8
Montana	28.1	28.5	22.7	23.8
Nebraska	29.9	30.4	22.5	24.9
Nevada	33.8	34.1	28.0	28.6
New Hampshire	31.7	31.0	27.1	25.2
New Jersey	34.8	35.9	27.7	29.3
New Mexico	25.3	24.7	19.6	18.3
New York	33.9	34.1	28.9	29.0
North Carolina	29.4	29.4	23.3	23.2
North Dakota	26.5	28.3	19.3	22.2
Ohio	30.8	30.3	25.4	24.3
Oklahoma	32.8	32.2	24.6	24.8
Oregon	28.0	28.1	23.8	22.6
Pennsylvania	30.1	30.5	25.1	25.7
Rhode Island	32.2	31.5	27.8	25.4
South Carolina	33.5	33.5	26.9	27.0
South Dakota	24.6	24.5	18.7	17.8
Tennessee	32.4	32.4	26.4	26.9
Texas	35.0	35.0	28.7	28.6
Utah	22.7	22.8	18.3	17.7
Vermont	25.9	25.7	20.3	19.9
Virginia	32.4	32.6	26.0	26.4
Washington	27.9	27.7	23.1	23.1
West Virginia	34.2	35.2	27.4	27.6
Wisconsin	26.6	26.4	22.3	21.6
Wyoming	27.4	26.4	20.4	21.2

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 2017 and provisional 2018—Con.
[By place of residence. Data are based on a continuous file of records received from the states]

Area	Total cesarean		Low-risk cesarean ¹	
	2018	2017	2018	2017
	Percent			
Puerto Rico	46.4	46.8	41.5	41.2
Virgin Islands	---	---	---	---
Guam	25.4	25.4	23.2	20.3
American Samoa	---	---	---	---
Northern Marianas	30.4	20.8	32.6	17.3

--- Data not available.

¹Defined as singleton, term (37 weeks or more of gestation based on obstetric estimate; see Technical Notes in this report), vertex (not breech), cesarean deliveries to women having a first birth per 100 women delivering singleton, term, vertex first births.

²Excludes 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 2017 and provisional 2018
 [By place of residence. Data are based on a continuous file of records received from the states]

Area	Late preterm ¹		Preterm ²	
	2018	2017	2018	2017
	Percent			
UnitedStates ³	7.28	7.17	10.02	9.93
Alabama	8.86	8.64	12.48	12.04
Alaska	6.92	6.49	9.26	8.98
Arizona	7.07	6.88	9.51	9.27
Arkansas	8.50	8.27	11.62	11.38
California	6.50	6.41	8.79	8.68
Colorado	6.75	6.37	9.22	8.76
Connecticut	6.75	6.69	9.36	9.48
Delaware	6.80	7.51	9.55	10.22
District of Columbia	6.73	6.93	10.11	10.63
Florida	7.34	7.27	10.25	10.22
Georgia	8.07	8.14	11.50	11.42
Hawaii	7.58	7.73	10.29	10.45
Idaho	6.87	6.46	9.04	8.75
Illinois	7.71	7.49	10.67	10.42
Indiana	7.47	7.09	10.24	9.84
Iowa	7.29	6.83	9.92	9.17
Kansas	6.95	6.91	9.49	9.57
Kentucky	8.35	8.06	11.33	11.13
Louisiana	9.35	9.15	12.99	12.66
Maine	6.40	6.35	8.56	8.67
Maryland	7.10	7.28	10.18	10.46
Massachusetts	6.50	6.62	8.94	8.88
Michigan	7.35	7.26	10.06	10.24
Minnesota	6.62	6.54	8.92	8.91
Mississippi	10.09	9.67	14.24	13.55
Missouri	7.90	7.64	10.73	10.56
Montana	6.86	7.27	9.09	9.48
Nebraska	7.84	7.28	10.46	9.90
Nevada	7.44	7.78	10.14	10.72
New Hampshire	6.00	6.15	8.31	8.35
New Jersey	6.87	6.86	9.36	9.50
New Mexico	7.26	7.50	9.78	10.25
New York	6.42	6.40	8.98	8.98
North Carolina	7.37	7.28	10.38	10.49
North Dakota	7.11	6.33	9.57	8.80
Ohio	7.37	7.36	10.25	10.36
Oklahoma	8.42	8.18	11.39	11.14
Oregon	5.91	6.19	7.84	8.35
Pennsylvania	6.82	6.59	9.53	9.43
Rhode Island	6.35	5.59	8.98	8.30
South Carolina	8.07	7.89	11.34	11.22
South Dakota	7.28	6.97	9.43	9.28
Tennessee	7.92	8.14	11.06	11.09
Texas	7.88	7.66	10.78	10.58
Utah	7.19	7.14	9.42	9.44
Vermont	6.38	5.56	8.51	7.52
Virginia	6.77	6.80	9.42	9.55
Washington	6.16	6.24	8.32	8.39
West Virginia	8.68	8.92	11.76	11.99
Wisconsin	7.31	7.03	9.91	9.64
Wyoming	7.44	6.84	9.84	8.92

See footnotes at end of table.

Vital Statistics Surveillance Report

Table 6. Preterm and late preterm births: United States, each state and territory, final 2017 and provisional 2018—Con.
[By place of residence. Data are based on a continuous file of records received from the states]

Area	Late preterm ¹		Preterm ²	
	2018	2017	2018	2017
	Percent			
Puerto Rico	8.85	8.36	11.89	11.45
Virgin Islands	---	---	---	---
Guam	7.99	8.31	9.98	10.29
American Samoa	---	---	---	---
Northern Marianas	7.16	6.41	10.53	7.80

--- Data not available.

¹Births at 34–36 completed weeks of gestation based on the obstetric estimate; see Technical Notes in this report.

²Births less than 37 completed weeks of gestation based on the obstetric estimate; see Technical Notes.

³Excludes 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 2018 are based on nearly all births for that year (U.S. total is 99.73%) (see [Table](#) in [Technical Notes](#)); the total level for each state and the District of Columbia was at or above 98.06%. Provisional 2018 data are based on the continuous receipt and processing of statistical records through February 14, 2019, 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](#) in [Technical Notes](#)). Data for American Samoa and the U.S. Virgin Islands were not available as of the release of the 2018 provisional birth file. Accordingly, data for these territories are not included in this report. Detailed information on reporting completeness and reporting criteria may be found elsewhere (2,10).

The production of the 2018 provisional estimates shown in this report is part of the National Vital Statistics System Rapid Release, Quarterly Provisional Estimates series and includes birth data for the 12 months (ending with quarter 4) of 2018 (1). Except for small changes in record weights (see next paragraph), the same processing procedure was used for provisional data as was used for the preliminary data of prior years.

For preliminary estimates, records in the file had been weighted to independent counts of births occurring in each state for the entire year. For the 2016–2018 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 (11).

2003 U.S. Standard Certificate of Live Birth

This report includes 2018 data on select items collected from the 2003 revision of the U.S. Standard Certificate of Live Birth (described in detail elsewhere, 3,4,10–12). All 50 states, the District of Columbia, Puerto Rico, Guam, Northern Marianas, and the U.S. Virgin Islands 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 2017 Natality Public Use File” (10).

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 U.S. 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 (10). American Samoa does not collect this information.

Race

This report also presents national data on race categories based on the 1997 Office of Management and Budget

(OMB) standards (5). 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 (4), in accordance with the 1997 revised OMB standards (5). The five categories for race specified in the revised standards are: American Indian or Alaska Native (AIAN), Asian, black or African American, Native Hawaiian or Other Pacific Islander, and white; see “User Guide to the 2017 Natality Public Use File” (10).

Starting in 2016, all states and the District of Columbia, in addition to Puerto Rico, U.S. Virgin Islands, Guam, and Northern Marianas, reported race according to the 1997 revised OMB standards; data from American Samoa still follow 1977 OMB standards (3,10). Prior to 2016, the multiple-race reporting states varied widely, increasing from 6 states in 2003 to the 50 states and the District of Columbia and all territories except American Samoa in 2016 (see “2003 U.S. Standard Certificates of Live Birth” section above).

Information detailing the processing and tabulation of data by race is presented elsewhere (10).

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 (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 2018 shown in this report are based on population estimates derived from the 2010 census as of July 1, 2018 (14).

Postcensal population estimates by age, sex, and race and Hispanic origin for 2018 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 2018 final birth report scheduled for release in Fall 2019.

Computing rates and percentages

In computing birth rates, age of mother is imputed if it is not stated (less than 1% for 2018).

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 a figure does not meet standards of reliability. 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 (see [Table](#) in [Technical Notes](#)).
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 of the confidence interval (CI) is greater than 0.00 and less than or equal to 0.05, or if the width is between 0.5 and 0.30, the relative CI 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. As a result, 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 “Reliability of estimates.”

The standards for presenting proportions (and percentages) used in this report are based on the standards detailed in “National Center for Health Statistics Data Presentation Standards for Proportions” (15).

Reliability of estimates

For information and discussion on reliability of provisional natality data, see “Births: Provisional Data for 2016” (16).

Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2018

[By place of occurrence]

Area	Total		January		February		March		April	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
United States ¹	3,797,987	99.734	315,593	100.000	284,912	99.999	316,781	99.998	299,063	99.997
Alabama	56,491	99.988	4,817	100.000	4,232	100.000	4,648	100.000	4,294	100.000
Alaska	9,950	100.000	806	100.000	749	100.000	885	100.000	828	100.000
Arizona	81,795	99.993	6,828	99.985	6,275	100.000	6,728	99.985	6,236	99.984
Arkansas	35,826	99.983	2,979	100.000	2,701	100.000	2,972	100.000	2,742	99.964
California	455,695	98.058	38,259	100.000	34,542	100.000	37,873	99.997	35,645	99.997
Colorado	63,458	100.000	5,236	100.000	4,825	100.000	5,324	100.000	5,099	100.000
Connecticut	36,150	100.000	2,900	100.000	2,606	100.000	3,026	100.000	2,917	100.000
Delaware	10,954	100.000	896	100.000	824	100.000	960	100.000	858	100.000
District of Columbia	13,464	100.000	1,121	100.000	1,014	100.000	1,071	100.000	1,039	100.000
Florida	221,761	99.998	19,093	100.000	16,629	100.000	18,578	100.000	16,866	100.000
Georgia	127,032	99.991	10,597	100.000	9,730	99.990	10,620	100.000	9,710	99.990
Hawaii	17,010	100.000	1,412	100.000	1,276	100.000	1,411	100.000	1,413	100.000
Idaho	21,120	100.000	1,705	100.000	1,548	100.000	1,794	100.000	1,736	100.000
Illinois	141,040	99.996	11,524	100.000	10,685	100.000	12,032	100.000	11,416	100.000
Indiana	82,092	99.985	6,687	100.000	6,269	100.000	7,041	100.000	6,523	100.000
Iowa	37,613	99.976	3,122	100.000	2,827	100.000	3,151	99.968	3,066	100.000
Kansas	37,765	100.000	3,063	100.000	2,868	100.000	3,158	100.000	3,007	100.000
Kentucky	51,488	99.934	4,345	100.000	3,881	100.000	4,321	100.000	3,968	100.000
Louisiana	59,717	99.896	5,205	100.000	4,541	100.000	4,813	100.000	4,503	100.000
Maine	11,995	100.000	951	100.000	819	100.000	1,020	100.000	955	100.000
Maryland	68,155	100.000	5,651	100.000	4,938	100.000	5,471	100.000	5,492	100.000
Massachusetts	69,837	100.000	5,639	100.000	5,127	100.000	5,878	100.000	5,664	100.000
Michigan	108,835	100.000	8,876	100.000	8,097	100.000	9,267	100.000	8,847	100.000
Minnesota	66,395	99.994	5,407	100.000	4,895	100.000	5,640	100.000	5,467	100.000
Mississippi	36,137	99.994	3,066	100.000	2,790	100.000	2,918	100.000	2,687	100.000
Missouri	74,043	99.915	6,162	100.000	5,535	100.000	6,058	100.000	5,800	100.000
Montana	11,502	100.000	983	100.000	908	100.000	1,004	100.000	926	100.000
Nebraska	25,808	100.000	1,976	100.000	2,007	100.000	2,178	100.000	1,984	100.000
Nevada	35,363	99.983	2,884	100.000	2,635	100.000	2,912	100.000	2,745	100.000
New Hampshire	11,974	99.992	962	100.000	859	100.000	987	100.000	994	100.000
New Jersey	98,875	99.491	7,998	100.000	7,274	100.000	8,339	100.000	7,965	100.000
New Mexico	21,685	99.931	1,788	100.000	1,656	100.000	1,766	100.000	1,683	99.881
New York	226,833	99.957	19,127	100.000	16,814	100.000	18,717	100.000	18,049	100.000
New York excluding New York City	112,543	100.000	9,233	100.000	8,212	100.000	9,327	100.000	9,088	100.000
New York City	114,290	99.914	9,894	100.000	8,602	100.000	9,390	100.000	8,961	100.000
North Carolina	120,780	99.995	9,940	100.000	8,813	100.000	10,009	100.000	9,399	100.000
North Dakota	12,216	100.000	996	100.000	928	100.000	1,038	100.000	977	100.000
Ohio	135,719	99.982	11,060	100.000	10,302	100.000	11,392	99.991	10,784	99.991
Oklahoma	48,336	99.983	4,143	100.000	3,638	100.000	4,042	100.000	3,735	100.000
Oregon	42,678	99.984	3,552	100.000	3,145	100.000	3,657	100.000	3,423	100.000
Pennsylvania	134,893	99.918	11,065	100.000	9,922	100.000	11,381	99.991	10,700	100.000
Rhode Island	11,063	100.000	883	100.000	858	100.000	941	100.000	936	100.000

See footnotes at end of table.

Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2018—Con.

[By place of occurrence]

Area	Total		January		February		March		April	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
South Carolina	53,045	99.998	4,487	100.000	3,904	100.000	4,364	100.000	4,180	100.000
South Dakota	12,571	99.968	1,051	100.000	917	100.000	1,093	100.000	1,053	100.000
Tennessee	86,411	99.994	7,161	100.000	6,484	99.985	7,267	100.000	6,802	100.000
Texas	385,229	99.972	32,593	100.000	29,145	100.000	31,363	100.000	29,426	100.000
Utah	48,209	99.998	3,771	100.000	3,594	100.000	4,032	100.000	4,005	100.000
Vermont	5,326	100.000	416	100.000	371	100.000	479	100.000	411	100.000
Virginia	99,048	99.979	8,207	100.000	7,381	100.000	8,295	99.988	7,975	100.000
Washington	85,816	99.997	7,022	100.000	6,388	100.000	7,330	100.000	6,974	100.000
West Virginia	18,883	99.354	1,618	100.000	1,502	100.000	1,598	99.937	1,414	99.929
Wisconsin	63,922	100.000	5,064	100.000	4,773	100.000	5,430	100.000	5,248	100.000
Wyoming	5,984	100.000	499	100.000	471	100.000	509	100.000	497	100.000
Puerto Rico	21,426	100.000	1,778	100.000	1,575	100.000	1,585	100.000	1,608	100.000
Virgin Islands	1,197	---	131	---	86	---	121	---	84	---
Guam	3,175	100.000	283	100.000	236	100.000	260	100.000	241	100.000
American Samoa	977	---	75	---	89	---	100	---	70	---
Northern Marianas ²	1,263	86.540	107	100.000	102	100.000	108	100.000	98	100.000

See footnotes at end of table.

Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2018—Con.

[By place of occurrence]

Area	May		June		July		August		September	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
United States ¹	321,377	99.998	315,508	99.997	329,757	99.996	345,459	99.984	323,420	99.960
Alabama	4,643	100.000	4,646	99.978	4,792	100.000	5,169	99.981	4,730	99.979
Alaska	863	100.000	861	100.000	805	100.000	927	100.000	786	100.000
Arizona	6,529	100.000	6,565	100.000	6,946	100.000	7,414	99.987	7,232	100.000
Arkansas	3,048	99.967	2,916	99.966	3,153	99.968	3,295	100.000	2,991	100.000
California	37,457	99.997	36,773	99.997	39,673	99.997	41,195	99.995	39,220	99.844
Colorado	5,488	100.000	5,182	100.000	5,558	100.000	5,708	100.000	5,499	100.000
Connecticut	3,223	100.000	3,046	100.000	3,123	100.000	3,225	100.000	3,016	100.000
Delaware	924	100.000	943	100.000	875	100.000	1,024	100.000	909	100.000
District of Columbia	1,154	100.000	1,154	100.000	1,165	100.000	1,226	100.000	1,102	100.000
Florida	17,930	100.000	17,559	100.000	18,301	100.000	20,164	100.000	19,156	100.000
Georgia	10,561	100.000	10,397	100.000	10,875	100.000	11,732	100.000	10,756	99.991
Hawaii	1,497	100.000	1,388	100.000	1,408	100.000	1,441	100.000	1,491	100.000
Idaho	1,889	100.000	1,754	100.000	1,866	100.000	1,865	100.000	1,822	100.000
Illinois	12,225	100.000	11,915	99.992	12,438	100.000	12,808	100.000	11,791	100.000
Indiana	6,971	99.986	6,793	100.000	7,099	100.000	7,441	99.987	7,111	99.986
Iowa	3,336	100.000	3,115	100.000	3,290	100.000	3,358	100.000	3,103	100.000
Kansas	3,175	100.000	3,194	100.000	3,173	100.000	3,512	100.000	3,195	100.000
Kentucky	4,290	99.977	4,209	99.952	4,570	99.978	4,738	99.958	4,349	99.977
Louisiana	4,966	100.000	4,783	100.000	5,130	100.000	5,659	99.929	5,015	99.940
Maine	1,094	100.000	988	100.000	1,055	100.000	1,137	100.000	1,014	100.000
Maryland	5,952	100.000	5,671	100.000	5,830	100.000	6,267	100.000	5,856	100.000
Massachusetts	6,146	100.000	6,028	100.000	6,205	100.000	6,279	100.000	5,998	100.000
Michigan	9,514	100.000	9,349	100.000	9,593	100.000	9,811	100.000	9,101	100.000
Minnesota	5,869	100.000	5,621	100.000	5,769	100.000	6,143	100.000	5,545	99.982
Mississippi	2,963	100.000	2,974	100.000	3,082	100.000	3,406	100.000	3,055	100.000
Missouri	6,432	100.000	6,316	100.000	6,491	100.000	6,779	100.000	6,277	100.000
Montana	987	100.000	1,007	100.000	1,006	100.000	1,055	100.000	915	100.000
Nebraska	2,276	100.000	2,214	100.000	2,311	100.000	2,312	100.000	2,099	100.000
Nevada	2,935	100.000	2,967	100.000	3,108	100.000	3,252	100.000	2,924	99.966
New Hampshire	1,049	100.000	989	100.000	1,116	100.000	1,075	100.000	1,061	100.000
New Jersey	8,450	100.000	8,410	100.000	8,610	100.000	9,031	99.889	8,412	99.929
New Mexico	1,828	100.000	1,718	100.000	1,932	100.000	1,954	99.949	1,986	100.000
New York	19,590	100.000	19,398	100.000	19,703	100.000	20,366	100.000	18,982	100.000
New York excluding New York City	9,887	100.000	9,755	100.000	9,885	100.000	10,196	100.000	9,538	100.000
New York City	9,703	100.000	9,643	100.000	9,818	100.000	10,170	100.000	9,444	100.000
North Carolina	10,060	100.000	10,186	99.990	10,423	100.000	11,095	99.991	10,504	100.000
North Dakota	1,089	100.000	1,039	100.000	1,044	100.000	1,117	100.000	990	100.000
Ohio	11,683	99.991	11,506	99.991	11,803	99.966	12,341	99.976	11,366	99.974
Oklahoma	4,073	100.000	3,905	100.000	4,197	100.000	4,432	99.977	4,115	100.000
Oregon	3,730	100.000	3,654	100.000	3,770	99.973	3,963	100.000	3,494	99.971
Pennsylvania	11,726	100.000	11,483	99.983	11,905	99.992	12,090	99.983	11,411	99.982
Rhode Island	997	100.000	888	100.000	953	100.000	1,013	100.000	942	100.000

See footnotes at end of table.

Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2018—Con.

[By place of occurrence]

Area	May		June		July		August		September	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
South Carolina	4,465	99.978	4,202	100.000	4,479	100.000	4,840	100.000	4,561	100.000
South Dakota	1,115	100.000	1,089	100.000	1,082	100.000	1,076	100.000	1,041	100.000
Tennessee	7,283	100.000	7,064	100.000	7,524	100.000	7,846	100.000	7,336	100.000
Texas	31,753	100.000	31,900	100.000	33,484	99.994	35,113	99.929	33,556	99.905
Utah	4,201	100.000	4,147	99.976	4,334	100.000	4,419	100.000	3,995	100.000
Vermont	432	100.000	454	100.000	498	100.000	512	100.000	418	100.000
Virginia	8,384	99.988	8,296	100.000	8,582	100.000	8,960	100.000	8,648	99.988
Washington	7,354	100.000	7,308	100.000	7,794	100.000	7,773	100.000	7,147	100.000
West Virginia	1,707	100.000	1,581	100.000	1,646	99.939	1,753	99.715	1,518	99.012
Wisconsin	5,505	100.000	5,478	100.000	5,685	100.000	5,837	100.000	5,385	100.000
Wyoming	566	100.000	485	100.000	503	100.000	511	100.000	494	100.000
Puerto Rico	1,632	100.000	1,674	100.000	1,765	100.000	1,988	100.000	1,989	100.000
Virgin Islands	84	---	80	---	85	---	85	---	119	---
Guam	253	100.000	288	100.000	255	100.000	252	100.000	250	100.000
American Samoa	90	---	66	---	82	---	81	---	93	---
Northern Marianas ²	92	100.000	117	100.000	117	100.000	122	100.000	113	100.000

See footnotes at end of table.

Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2018—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 ¹	327,436	99.641	308,881	98.996	309,800	98.190
Alabama	4,918	100.000	4,727	100.000	4,875	99.918
Alaska	870	100.000	765	100.000	805	100.000
Arizona	7,242	99.986	6,880	100.000	6,920	99.986
Arkansas	3,157	100.000	2,865	99.965	3,007	99.967
California	39,393	97.324	38,146	92.348	37,519	87.188
Colorado	5,365	100.000	5,103	100.000	5,071	100.000
Connecticut	3,199	100.000	2,968	100.000	2,901	100.000
Delaware	941	100.000	882	100.000	918	100.000
District of Columbia	1,224	100.000	1,117	100.000	1,077	100.000
Florida	19,718	100.000	18,482	100.000	19,285	99.979
Georgia	10,886	100.000	10,308	99.951	10,860	99.963
Hawaii	1,451	100.000	1,390	100.000	1,432	100.000
Idaho	1,781	100.000	1,661	100.000	1,699	99.882
Illinois	11,935	100.000	11,187	99.982	11,084	99.973
Indiana	6,949	99.971	6,529	100.000	6,679	99.895
Iowa	3,261	99.969	3,020	99.901	2,964	99.865
Kansas	3,237	100.000	3,047	100.000	3,136	100.000
Kentucky	4,376	99.931	4,191	99.952	4,250	99.482
Louisiana	5,189	99.942	5,028	99.841	4,885	99.099
Maine	1,049	100.000	959	100.000	954	100.000
Maryland	5,995	100.000	5,420	99.982	5,612	100.000
Massachusetts	5,978	100.000	5,625	100.000	5,270	100.000
Michigan	9,218	100.000	8,458	100.000	8,704	100.000
Minnesota	5,447	99.963	5,288	99.981	5,304	100.000
Mississippi	3,071	100.000	3,053	100.000	3,072	99.935
Missouri	6,287	99.952	5,938	99.983	5,968	99.011
Montana	908	100.000	886	100.000	917	100.000
Nebraska	2,221	100.000	2,099	100.000	2,131	100.000
Nevada	3,069	99.935	2,940	100.000	2,992	99.900
New Hampshire	1,038	100.000	961	100.000	883	99.887
New Jersey	8,415	99.346	7,863	98.652	8,108	95.979
New Mexico	1,875	99.947	1,717	99.942	1,782	99.439
New York	19,349	99.990	18,362	100.000	18,376	99.478
New York excluding New York City	9,554	100.000	8,982	100.000	8,886	100.000
New York City	9,795	99.980	9,380	100.000	9,490	98.988
North Carolina	10,505	99.990	9,819	99.990	10,027	99.980
North Dakota	1,016	100.000	1,008	100.000	974	100.000
Ohio	11,638	99.974	10,876	99.972	10,968	99.954
Oklahoma	4,190	100.000	3,931	99.949	3,935	99.873
Oregon	3,586	99.972	3,385	99.970	3,319	99.910
Pennsylvania	11,682	99.957	10,604	99.934	10,924	99.167
Rhode Island	955	100.000	856	100.000	841	100.000

See footnotes at end of table.

Table. Total count of records and completeness of preliminary file of live births, by month: United States, each state and territory, provisional 2018—Con.

[By place of occurrence]

Area	October		November		December	
	Counts of records	Percent completeness	Counts of records	Percent completeness	Counts of records	Percent completeness
South Carolina	4,570	100.000	4,429	100.000	4,564	100.000
South Dakota	1,077	100.000	959	99.896	1,018	99.705
Tennessee	7,481	100.000	7,064	99.972	7,099	99.972
Texas	33,955	99.953	31,960	99.956	30,981	99.942
Utah	4,221	100.000	3,766	100.000	3,724	100.000
Vermont	473	100.000	424	100.000	438	100.000
Virginia	8,474	99.976	8,027	99.975	7,819	99.821
Washington	7,096	100.000	6,907	99.986	6,723	99.970
West Virginia	1,638	98.840	1,418	98.731	1,490	95.839
Wisconsin	5,379	100.000	5,116	100.000	5,022	100.000
Wyoming	488	100.000	467	100.000	494	100.000
Puerto Rico	2,050	100.000	1,983	100.000	1,799	100.000
Virgin Islands	113	---	102	---	107	---
Guam	288	100.000	285	100.000	284	100.000
American Samoa	57	---	83	---	91	---
Northern Marianas ²	112	100.000	90	5.556	85	0.000

--- Data not available.

¹Excludes data for the territories.

²Data for Northern Marianas for most of November and all of December were not available as of the release of the 2018 provisional birth file.

NOTE: Percent completeness equals the number of records in the provisional file times 100, divided by the count of records.

SOURCE: NCHS, National Vital Statistics System, Natality.

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