

Births: Final Data for 2018

Supplemental tables

Table I–1. Time of birth by day of week of birth and race and Hispanic origin of mother: United States, 2018

Table I–2. Births, and seasonally adjusted birth rates, by month: United States, 2018

Table I–3. Births, by day of week and method of delivery: United States, 2018

Table I–4. Births, by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2018

Table I–5. Births occurring at home, by state: United States and each state, 2018

Table I–6. Mean age of mother, by live-birth order: United States, 2010–2018, and by race and Hispanic origin of mother, United States, 2016–2018

Table I–7. Births to unmarried women, by race and Hispanic origin of mother: United States, each state and territory, 2018

Table I–8. Educational attainment of mother, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–9. Maternal prepregnancy body mass index, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–10. Live births by interval since last live birth, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–11. Mother received WIC food for herself during this pregnancy and infant was being breastfed at discharge, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–12. Pregnancy risk factors, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–13. Infections present or treated during this pregnancy, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–14. External cephalic version, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–15. Characteristics of labor and delivery, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–16. Total cesarean delivery and low-risk cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2018

Table I–17. Method of delivery, by age (years) and race and Hispanic origin of mother: United States, 2018

Table I–18. Maternal morbidity, by age (years) and race and Hispanic origin of mother: United States, 2018

[Table I–19. Preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2018](#)

[Table I–20. Late preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2018](#)

[Table I–21. Low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2018](#)

[Table I–22. Very low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2018](#)

[Table I–23. Twin and triplet or higher-order multiple births, by state: United States and each state, 2016–2018](#)

[Table I–24. Abnormal conditions of the newborn, by age \(years\) and race and Hispanic origin of mother: United States, 2018](#)

[Table I–25. Congenital anomalies of the newborn, by age \(years\) of mother: United States, 2018](#)

Table I-1. Time of birth by day of week of birth and race and Hispanic origin of mother: United States, 2018

[Percentages are numbers of live births with specified time of birth per 100 live births in specified group]

Time of birth and race and Hispanic origin of mother	All births	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
All races and origins ¹								
Percent								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00 a.m.–5:59 a.m.	17.7	22.4	14.3	16.4	17.0	16.8	17.3	23.4
6:00 a.m.–11:59 a.m.	28.9	27.1	29.9	29.4	28.9	28.7	29.9	26.9
12:00 p.m.–5:59 p.m.	30.6	27.1	32.4	31.5	31.3	31.4	30.9	27.0
6:00 p.m.–11:59 p.m.	22.9	23.4	23.5	22.7	22.8	23.1	22.0	22.8
Number								
Total	3,791,712	366,243	575,544	607,836	605,916	611,806	602,388	421,979
Not stated ²	271	36	39	40	29	34	40	53
Non-Hispanic, single race ³								
Percent								
White:								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00 a.m.–5:59 a.m.	17.2	22.8	13.4	15.8	16.4	16.2	16.7	23.7
6:00 a.m.–11:59 a.m.	28.9	26.6	30.0	29.4	28.9	28.7	30.2	26.4
12:00 p.m.–5:59 p.m.	31.0	26.9	33.0	32.0	31.8	32.0	31.3	26.9
6:00 p.m.–11:59 p.m.	22.9	23.7	23.6	22.8	22.9	23.1	21.8	23.0
Number								
Total	1,956,413	178,034	300,657	318,056	317,046	321,098	314,708	206,814
Not stated ²	103	14	18	14	11	15	12	19
Black:								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00 a.m.–5:59 a.m.	18.2	22.6	14.9	16.8	17.6	17.4	17.8	23.4
6:00 a.m.–11:59 a.m.	28.5	27.1	29.4	29.1	28.8	28.2	29.2	26.8
12:00 p.m.–5:59 p.m.	30.4	26.9	32.3	31.4	30.8	31.4	30.8	26.8
6:00 p.m.–11:59 p.m.	22.9	23.4	23.4	22.6	22.9	23.0	22.2	22.9
Number								
Total	552,029	54,421	83,231	88,174	87,833	87,998	86,778	63,594
Not stated ²	19	3	3	4	1	2	4	2
Hispanic ⁴								
Percent								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00 a.m.–5:59 a.m.	18.1	21.8	15.2	16.9	17.4	17.2	17.7	22.7
6:00 a.m.–11:59 a.m.	29.2	27.9	29.9	29.8	29.2	29.2	29.9	27.8
12:00 p.m.–5:59 p.m.	30.1	27.5	31.7	30.8	30.8	30.7	30.5	27.3
6:00 p.m.–11:59 p.m.	22.6	22.8	23.2	22.4	22.6	23.0	21.9	22.3
Number								
Total	886,210	91,349	132,817	139,739	139,583	139,747	138,584	104,391
Not stated ²	23	2	2	3	4	4	1	7

¹Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple-race women, and births with origin not stated.²No response reported for time of birth. See Technical Notes in report.³Race 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. Single race is defined as only one race reported on the birth certificate.⁴Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-2. Births, and seasonally adjusted birth rates, by month: United States, 2018

[Rates are on an annual basis per 1,000 population for specified month. Birth rates are births per 1,000 total population. Fertility rates are births per 1,000 women aged 15–44 years. Monthly populations estimated as of the first of each month]

Month	Number	Observed		Seasonally adjusted ¹	
		Birth rate	Fertility rate	Birth rate	Fertility rate
Total	3,791,712	11.6	59.1
January	314,808	11.4	57.9	12.8	64.4
February	284,250	11.4	57.9	12.7	64.3
March	316,044	11.4	58.1	12.7	64.2
April	298,394	11.1	56.7	12.7	63.9
May	320,622	11.6	58.9	12.7	64.1
June	314,816	11.7	59.7	12.6	64.0
July	329,009	11.8	60.4	12.6	63.8
August	344,750	12.4	63.2	12.6	63.9
September	322,772	12.0	61.1	12.5	63.3
October	326,778	11.7	59.9	12.5	63.5
November	308,703	11.5	58.4	12.4	63.1
December	310,766	11.2	56.9	12.5	63.1

... Category not applicable.

¹Method of seasonal adjustment developed by the U.S. Census Bureau (Shiskin J, Young AH, Musgrave JC. The X11 variant of the census method II seasonal adjustment program. Technical Paper no. 15. U.S. Census Bureau: Washington, DC. 1967. Available from: <http://www.census.gov/ts/papers/ShiskinYoungMusgrave1967.pdf>).

NOTE: Monthly population estimates for 2018 were provided by the U.S. Census Bureau (U.S. Census Bureau, Population Division, Monthly national population estimates by age, sex, race, and Hispanic origin, and population Universe for the United States: April 1, 2010 to December 1, 2018, monthly postcensal resident population: <https://www.census.gov/data/tables/time-series/demo/popest/2010s-national-detail.html>).

SOURCE: NCHS, National Vital Statistics System, Natality.

Table 1-3. Births, by day of week and method of delivery: United States, 2018

Day of week	Average number of births	Index of occurrence ¹		
		Total ²	Method of delivery	
			Vaginal	Cesarean
Total	10,388	100.0	100.0	100.0
Sunday	7,043	67.8	76.5	49.3
Monday	10,859	104.5	98.9	116.7
Tuesday	11,689	112.5	109.0	119.9
Wednesday	11,652	112.2	110.1	116.6
Thursday	11,766	113.3	111.1	117.9
Friday	11,584	111.5	107.1	120.9
Saturday	8,115	78.1	87.4	58.3

¹Ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

²Includes method of delivery not stated.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-4. Births, by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2018

Place of delivery and race and Hispanic origin of mother	All births	Physician			Midwife			Other	Unspecified
		Total	Doctor of medicine	Doctor of osteopathy	Total	Certified nurse midwife	Other midwife		
All races and origins¹									
Total	3,791,712	3,369,567	3,066,477	303,090	387,519	357,297	30,222	32,185	2,441
In hospital ²	3,729,199	3,366,916	3,064,153	302,763	341,657	336,267	5,390	19,364	1,262
Not in hospital	62,266	2,615	2,289	326	45,786	21,008	24,778	12,759	1,106
Freestanding birthing center	19,871	531	404	127	18,266	11,139	7,127	958	116
Clinic or doctor's office	596	140	125	15	426	305	121	23	7
Residence	38,512	1,416	1,296	120	26,222	9,399	16,823	10,089	785
Other	3,287	528	464	64	872	165	707	1,689	198
Not specified	247	36	35	1	76	22	54	62	73
Non-Hispanic, single race³									
White:									
Total	1,956,413	1,718,149	1,534,961	183,188	218,770	195,495	23,275	18,265	1,229
In hospital ²	1,908,350	1,716,594	1,533,646	182,948	181,405	178,319	3,086	9,754	597
Not in hospital	47,957	1,537	1,298	239	37,315	17,163	20,152	8,489	616
Freestanding birthing center	15,547	475	357	118	14,203	8,885	5,318	780	89
Clinic or doctor's office	502	88	79	9	400	282	118	10	4
Residence	29,994	712	642	70	21,927	7,881	14,046	6,925	430
Other	1,914	262	220	42	785	115	670	774	93
Not specified	106	18	17	1	50	13	37	22	16
Black:									
Total	552,029	501,224	469,168	32,056	45,851	44,163	1,688	4,570	384
In hospital ²	547,810	500,688	468,661	32,027	43,946	43,218	728	2,951	225
Not in hospital	4,190	529	500	29	1,901	944	957	1,606	154
Freestanding birthing center	1,110	17	16	1	1,037	595	442	41	15
Clinic or doctor's office	23	17	17	—	4	4	—	2	—
Residence	2,652	364	345	19	840	334	506	1,336	112
Other	405	131	122	9	20	11	9	227	27
Not specified	29	7	7	—	4	1	3	13	5
Hispanic⁴									
Total	886,210	796,921	735,728	61,193	82,999	79,560	3,439	5,815	475
In hospital ²	880,488	796,598	735,434	61,164	79,154	77,969	1,185	4,497	239
Not in hospital	5,671	317	288	29	3,837	1,587	2,250	1,304	213
Freestanding birthing center	2,030	25	23	2	1,923	981	942	76	6
Clinic or doctor's office	31	15	13	2	11	9	2	2	3
Residence	3,142	192	173	19	1,867	578	1,289	932	151
Other	468	85	79	6	36	19	17	294	53
Not specified	51	6	6	—	8	4	4	14	23

— Quantity zero.

¹Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple-race women, and births with origin not stated.²Includes births occurring en route to or on arrival at hospital.³Race 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 report. Single race is defined as only one race reported on the birth certificate.⁴Includes all persons of Hispanic origin of any race; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-5. Births occurring at home, by state: United States and each state, 2018

[By place of residence]

Area	Number	Percent
United States	38,512	1.0
Alabama	218	0.4
Alaska	194	1.9
Arizona	667	0.8
Arkansas	326	0.9
California	3,269	0.7
Colorado	1,001	1.6
Connecticut	222	0.6
Delaware	78	0.7
District of Columbia	41	0.4
Florida	2,081	0.9
Georgia	792	0.6
Hawaii	256	1.5
Idaho	475	2.2
Illinois	855	0.6
Indiana	1,255	1.5
Iowa	557	1.5
Kansas	530	1.5
Kentucky	721	1.3
Louisiana	164	0.3
Maine	228	1.9
Maryland	521	0.7
Massachusetts	379	0.5
Michigan	1,487	1.4
Minnesota	826	1.2
Mississippi	184	0.5
Missouri	1,183	1.6
Montana	275	2.4
Nebraska	81	0.3
Nevada	480	1.3
New Hampshire	166	1.4
New Jersey	443	0.4
New Mexico	291	1.3
New York	2,477	1.1
North Carolina	624	0.5
North Dakota	107	1.0
Ohio	1,529	1.1
Oklahoma	516	1.0
Oregon	845	2.0
Pennsylvania	2,638	1.9
Rhode Island	59	0.6
South Carolina	393	0.7
South Dakota	98	0.8
Tennessee	896	1.1
Texas	2,428	0.6
Utah	1,043	2.2
Vermont	109	2.0
Virginia	968	1.0
Washington	1,822	2.1
West Virginia	130	0.7
Wisconsin	1,458	2.3
Wyoming	126	1.9

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-6. Mean age of mother, by live-birth order: United States, 2010–2018, and by race and Hispanic origin of mother, United States, 2016–2018

[Mean age at birth is the arithmetic average of the age of mothers at time of birth, computed directly from the frequency of births by age of mother and live-birth order. Live-birth order refers to number of children born alive to mother]

Year and race and Hispanic origin of mother	Total	Live-birth order							Unknown or not stated
		1	2	3	4	5	6 and 7	8 and over	
All races and origins¹									
2018	29.0	26.9	29.3	30.5	31.5	32.5	33.7	36.1	29.3
2017	28.8	26.8	29.2	30.3	31.4	32.4	33.7	36.0	29.1
2016	28.7	26.6	29.0	30.2	31.3	32.3	33.5	35.9	28.7
2015	28.5	26.4	28.8	30.1	31.2	32.2	33.4	35.8	29.3
2014	28.3	26.3	28.7	30.0	31.1	32.0	33.4	35.7	28.7
2013	28.2	26.0	28.6	29.9	31.0	32.0	33.3	35.7	28.3
2012	28.0	25.8	28.4	29.8	30.9	31.9	33.2	35.7	27.9
2011	27.9	25.6	28.3	29.7	30.8	31.8	33.1	35.5	28.2
2010	27.7	25.4	28.2	29.6	30.7	31.7	33.0	35.7	27.7
Non-Hispanic, single race²									
White:									
2018	29.4	27.7	29.8	30.8	31.7	32.7	34.1	36.8	29.6
2017	29.3	27.6	29.7	30.7	31.6	32.6	34.0	36.8	29.5
2016	29.2	27.4	29.5	30.6	31.5	32.5	33.9	36.7	29.4
Black:									
2018	27.9	25.1	28.0	29.6	30.6	31.5	32.6	34.9	28.4
2017	27.7	24.9	27.7	29.3	30.4	31.3	32.5	34.9	28.0
2016	27.4	24.8	27.6	29.1	30.2	31.1	32.3	34.6	27.1
American Indian or Alaska Native:									
2018	27.1	23.5	26.4	28.4	30.0	31.1	32.8	34.8	27.6
2017	26.8	23.3	26.1	28.1	29.6	31.3	32.6	34.4	27.8
2016	26.7	23.2	26.1	28.0	29.6	31.1	32.0	34.8	28.1
Asian:									
2018	31.8	30.5	32.6	33.5	34.0	34.4	35.0	36.5	31.6
2017	31.7	30.3	32.5	33.4	33.9	34.4	35.2	36.3	32.0
2016	31.5	30.1	32.3	33.3	33.6	34.1	34.9	36.3	31.4
Native Hawaiian or Other Pacific Islander:									
2018	27.9	24.7	26.9	28.9	30.5	31.7	33.0	35.8	27.2
2017	28.0	24.9	27.2	28.9	30.5	31.4	33.0	35.4	26.8
2016	27.9	24.8	27.0	28.9	30.1	31.7	33.2	35.3	27.6
Hispanic³									
2018	28.1	25.0	28.0	30.1	31.7	33.0	34.1	35.6	29.2
2017	28.0	24.8	27.8	29.9	31.6	32.9	34.1	35.5	29.0
2016	27.8	24.7	27.6	29.8	31.5	32.7	34.0	35.3	28.3

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

²Race 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 in 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.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-7. Births to unmarried women, by race and Hispanic origin of mother: United States, each state and territory, 2018

[By place of residence]

Area	Births to unmarried women				Percent unmarried			
	All races and origins ²	Non-Hispanic, single race ¹			All races and origins ²	Non-Hispanic, single race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
United States ⁴	1,503,361	551,217	383,364	459,242	39.6	28.2	69.4	51.8
Alabama.....	27,014	10,590	13,812	1,933	46.8	31.4	78.5	43.9
Alaska.....	3,559	998	104	261	35.3	19.7	37.1	32.3
Arizona.....	36,235	9,957	2,575	18,876	44.9	30.4	59.8	55.4
Arkansas.....	16,795	8,053	5,613	2,057	45.4	34.1	80.6	50.2
California.....	168,892	26,320	14,260	108,337	37.1	21.4	63.7	51.3
Colorado.....	14,598	6,013	1,222	6,116	23.2	16.5	40.3	34.3
Connecticut.....	12,878	4,117	2,817	5,360	37.1	22.3	63.7	61.2
Delaware.....	4,987	1,806	1,942	1,003	47.0	34.9	70.0	58.7
District of Columbia.....	4,283	172	3,287	714	46.5	5.7	77.3	55.1
Florida.....	102,751	34,714	31,773	33,448	46.4	36.2	66.0	49.8
Georgia.....	56,966	15,467	30,712	8,503	45.1	27.8	70.2	48.8
Hawaii.....	6,468	567	58	1,227	38.1	17.2	13.7	47.6
Idaho.....	5,777	3,782	85	1,557	27.0	22.8	36.5	43.9
Illinois.....	56,946	19,710	19,204	15,835	39.3	25.5	78.4	52.2
Indiana.....	35,303	21,705	7,862	4,387	43.2	36.5	76.8	55.8
Iowa.....	13,191	8,729	1,684	1,929	34.9	29.8	64.4	52.2
Kansas.....	13,187	7,529	1,760	3,102	36.4	29.7	68.3	51.9
Kentucky.....	22,616	16,371	3,557	1,741	41.9	37.8	71.9	54.0
Louisiana.....	31,775	10,544	17,664	2,648	53.3	34.6	79.9	56.1
Maine.....	4,780	4,285	158	109	38.8	38.9	28.9	48.7
Maryland.....	27,895	6,899	12,926	6,672	39.2	23.3	59.0	53.5
Massachusetts.....	22,453	9,281	3,431	8,005	32.5	23.4	50.3	58.0
Michigan.....	44,882	22,645	16,420	3,637	40.8	30.3	79.9	50.9
Minnesota.....	21,463	10,690	4,096	2,684	31.9	23.2	49.9	53.8
Mississippi.....	20,003	6,094	12,656	854	54.1	32.8	80.1	51.3
Missouri.....	29,511	17,340	8,048	2,247	40.3	32.3	76.0	51.0
Montana.....	4,016	2,620	18	253	34.9	28.4	31.0	45.3
Nebraska.....	8,289	4,277	1,056	2,163	32.5	24.2	60.7	52.1
Nevada.....	17,231	4,596	3,381	7,324	48.3	35.3	74.1	55.0
New Hampshire.....	3,946	3,374	80	361	32.9	32.7	33.2	48.5
New Jersey.....	34,204	7,924	9,073	15,527	33.8	17.4	65.3	56.3
New Mexico.....	11,785	2,046	207	7,274	51.2	31.7	53.5	56.9
New York.....	84,767	26,290	21,794	31,143	37.5	23.7	65.8	60.2
North Carolina.....	48,632	16,685	19,756	9,010	40.9	26.3	71.4	49.1
North Dakota.....	3,392	1,873	257	297	31.9	24.0	42.2	46.8
Ohio.....	58,331	34,244	16,769	4,366	43.2	35.1	75.5	58.7
Oklahoma.....	21,010	9,663	3,016	3,667	42.2	34.0	72.9	48.6
Oregon.....	15,303	9,085	513	4,020	36.3	32.1	53.5	50.3
Pennsylvania.....	55,324	27,910	13,428	10,167	40.8	30.7	75.5	64.2
Rhode Island.....	4,582	2,050	439	1,652	43.6	34.1	56.1	59.9
South Carolina.....	26,157	9,547	12,827	2,659	46.2	29.9	76.9	50.6
South Dakota.....	4,290	2,009	159	357	36.1	23.7	38.2	54.0
Tennessee.....	35,160	17,706	12,168	4,021	43.5	33.2	76.4	51.4
Texas.....	154,645	31,755	29,458	89,525	40.8	25.3	61.2	50.0
Utah.....	9,076	4,600	190	3,155	19.2	13.4	36.5	38.8
Vermont.....	2,093	1,942	42	37	38.5	39.4	35.6	30.6
Virginia.....	34,665	12,875	13,343	7,086	34.7	23.5	64.0	49.2
Washington.....	26,760	12,516	1,675	7,671	31.1	25.5	42.7	47.7
West Virginia.....	8,340	7,403	454	174	45.7	44.5	72.5	46.0
Wisconsin.....	23,972	12,397	5,510	3,670	37.4	27.2	83.2	57.7
Wyoming.....	2,183	1,452	25	421	33.3	28.6	*	49.5

See footnotes at end of table.

Table I-7. Births to unmarried women, by race and Hispanic origin of mother: United States, each state and territory, 2018—Con.

[By place of residence]

Area	Births to unmarried women				Percent unmarried			
	All races and origins ²	Non-Hispanic, single race ¹			All races and origins ²	Non-Hispanic, single race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
Puerto Rico.....	14,790	311	36	14,418	*	64.8	73.5	69.2
Virgin Islands.....	---	---	---	---	---	---	---	---
Guam.....	1,951	27	1	3	*	15.9	*	*
American Samoa.....	---	---	---	---	---	---	---	---
Northern Marianas.....	380	1	—	—	*	*	*	*

* Estimate does not meet NCHS standards of reliability.

--- Data not available

— Quantity zero.

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

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

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

⁴Excludes data for the territories.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-8. Educational attainment of mother, by age (years) and race and Hispanic origin of mother: United States, 2018

Educational attainment and race and Hispanic origin of mother	All ages	Under 20	20-24	25-29	30-34	35-39	40-54
All races and origins ¹				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma	12.7	48.1	16.5	10.4	8.2	9.6	13.2
8th grade or less	3.1	4.3	2.7	2.6	2.9	4.1	6.7
9th-12th grade with no diploma	9.6	43.8	13.8	7.8	5.3	5.5	6.5
High school graduate ²	25.8	42.0	45.1	27.0	16.2	14.4	15.4
Some college credit, but no degree	20.1	9.5	27.1	24.1	16.6	14.5	14.3
Associate's degree ³	8.4	0.4	5.8	10.3	9.4	8.6	8.2
Bachelor's degree ⁴	20.7	0.0	5.1	21.2	29.4	28.5	25.9
Master's degree ⁵	9.6	0.0	0.4	6.0	15.7	18.0	16.4
Doctorate or professional degree ⁶	2.8	0.0	0.0	1.1	4.5	6.4	6.6
				Number			
All births	3,791,712	181,607	726,175	1,099,491	1,090,697	566,786	126,956
Not stated ⁷	48,987	2,039	7,309	12,522	14,397	9,481	3,239
Non-Hispanic, single race ⁸				Percent			
White:				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma	7.0	42.5	13.4	5.9	3.2	3.1	4.1
8th grade or less	1.3	2.7	2.0	1.3	0.9	1.0	1.9
9th-12th grade with no diploma	5.7	39.9	11.4	4.6	2.3	2.0	2.1
High school graduate ²	21.4	45.9	43.7	22.7	12.1	10.6	11.5
Some college credit, but no degree	19.4	11.1	28.3	23.3	15.3	13.8	14.4
Associate's degree ³	9.6	0.5	7.3	12.0	10.0	9.0	8.8
Bachelor's degree ⁴	26.6	0.0	6.7	27.2	35.2	33.8	31.9
Master's degree ⁵	12.4	0.0	0.5	7.6	18.9	22.2	21.1
Doctorate or professional degree ⁶	3.5	0.0	0.0	1.4	5.3	7.6	8.2
				Number			
All births	1,956,413	65,254	326,575	576,811	624,015	304,062	59,696
Not stated ⁷	10,180	375	1,585	2,752	3,040	1,917	511
Black:				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma	13.2	46.6	13.3	10.3	9.3	9.4	10.7
8th grade or less	1.5	2.4	0.8	1.1	1.8	2.2	3.6
9th-12th grade with no diploma	11.7	44.1	12.5	9.1	7.5	7.2	7.1
High school graduate ²	35.6	43.4	49.9	35.8	26.0	22.3	21.5
Some college credit, but no degree	25.6	9.7	28.8	29.6	24.8	21.6	19.2
Associate's degree ³	7.8	0.3	4.2	8.7	10.9	10.9	10.5
Bachelor's degree ⁴	11.7	0.0	3.7	12.2	18.1	19.8	19.5
Master's degree ⁵	5.0	0.0	0.2	3.2	9.0	12.7	14.4
Doctorate or professional degree ⁶	1.1	0.0	0.0	0.4	1.9	3.3	4.2
				Number			
All births	552,029	38,269	137,974	166,802	124,206	67,268	17,510
Not stated ⁷	4,672	307	946	1,310	1,143	725	241

See footnotes at end of table.

Table I-8. Educational attainment of mother, by age (years) and race and Hispanic origin of mother: United States, 2018—Con.

Educational attainment and race and Hispanic origin of mother	All ages	Under 20	20-24	25-29	30-34	35-39	40-54
Hispanic ⁹				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma	26.4	54.2	23.4	21.0	24.2	29.5	35.9
8th grade or less	8.7	7.2	5.2	6.5	10.3	14.7	19.7
9th-12th grade with no diploma	17.8	47.0	18.2	14.5	13.9	14.8	16.2
High school graduate ²	32.7	37.6	44.8	33.4	25.6	22.6	21.8
Some college credit, but no degree	19.9	7.8	24.0	23.9	18.6	15.1	13.0
Associate's degree ³	6.6	0.4	4.7	8.3	8.1	7.1	6.3
Bachelor's degree ⁴	10.3	0.0	2.9	11.1	16.1	16.1	13.9
Master's degree ⁵	3.2	0.0	0.2	2.0	5.9	7.4	6.8
Doctorate or professional degree ⁶	0.9	0.0	0.0	0.4	1.5	2.3	2.4
				Number			
All births	886,210	65,852	209,701	253,977	208,193	117,383	31,104
Not stated ⁷	10,965	779	2,136	2,893	2,699	1,856	602

0.0 Equals zero events in the numerator or percentage of less than 0.05%.

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

²Includes GED.

³Includes Associate in Arts and Associate in Science.

⁴Includes Bachelor in Arts and Bachelor in Science.

⁵Includes Master in Arts, Master in Science, Master of Engineering, Master of Education, Master of Social Work, and Master of Business Administration.

⁶Includes Doctor of Philosophy, Doctor of Education, Doctor of Medicine, Doctor of Dental Surgery, Doctor of Veterinary Medicine, Doctor of Laws, and Juris Doctor.

⁷No response reported for education attainment of mother item. See Technical Notes in report.

⁸Race 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. Single race is defined as only one race reported on the birth certificate.

⁹Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-9. Maternal prepregnancy body mass index, by age (years) and race and Hispanic origin of mother: United States, 2018

BMI category ¹ and race and Hispanic origin of mother	All ages	Under 20	20-24	25-29	30-34	35-39	40-54
All races and origins ²				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5)	3.2	6.9	4.7	3.1	2.4	2.0	1.8
Normal weight (BMI of 18.5 to 24.9)	42.1	49.4	41.2	40.4	43.7	42.1	39.0
Overweight (BMI of 25.0 to 29.9)	26.6	23.8	25.4	26.6	26.9	27.8	29.5
Obese (BMI of 30.0 and over)	28.1	19.8	28.7	29.9	27.0	28.1	29.8
				Number			
Total	3,791,712	181,607	726,175	1,099,491	1,090,697	566,786	126,956
Not stated ³	85,897	4,754	16,024	23,614	24,052	13,921	3,532
Non-Hispanic, single race ⁴				Percent			
White:				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5)	3.1	8.2	5.1	3.0	2.3	2.0	1.8
Normal weight (BMI of 18.5 to 24.9)	45.8	48.7	43.0	44.2	48.0	46.8	44.4
Overweight (BMI of 25.0 to 29.9)	25.3	22.9	24.0	25.4	25.5	26.0	26.9
Obese (BMI of 30.0 and over)	25.8	20.2	27.8	27.3	24.2	25.2	26.8
				Number			
Total	1,956,413	65,254	326,575	576,811	624,015	304,062	59,696
Not stated ³	34,730	1,045	5,147	9,500	11,279	6,327	1,432
Black:				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5)	3.0	6.5	4.6	2.9	1.8	1.2	1.0
Normal weight (BMI of 18.5 to 24.9)	32.1	48.5	38.7	30.9	26.9	23.8	22.6
Overweight (BMI of 25.0 to 29.9)	26.9	23.2	24.6	26.5	28.6	30.2	31.4
Obese (BMI of 30.0 and over)	38.0	21.9	32.1	39.7	42.7	44.7	45.1
				Number			
Total	552,029	38,269	137,974	166,802	124,206	67,268	17,510
Not stated ³	17,437	1,409	4,198	4,950	3,956	2,313	611
Hispanic ⁵				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5)	2.4	5.9	3.7	2.0	1.3	1.0	0.8
Normal weight (BMI of 18.5 to 24.9)	35.9	50.7	39.3	34.4	33.4	31.5	28.8
Overweight (BMI of 25.0 to 29.9)	30.4	25.1	28.3	30.3	31.9	33.1	35.3
Obese (BMI of 30.0 and over)	31.3	18.2	28.7	33.2	33.5	34.4	35.2
				Number			
Total	886,210	65,852	209,701	253,977	208,193	117,383	31,104
Not stated ³	22,592	1,882	4,971	6,046	5,491	3,269	933

¹For calculation of body mass index (BMI), see Technical Notes in report.

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

³No response reported for component measures for pre-pregnancy BMI. See Technical Notes.

⁴Race 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. Single race is defined as only one race reported on the birth certificate.

⁵Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-10. Live births by interval since last live birth, by age (years) and race and Hispanic origin of mother: United States, 2018

Interval since last live birth and race and Hispanic origin of mother	All ages	Under 20	20-24	25-29	30-34	35-39	40-54
All races¹				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	2.2	4.6	2.0	2.0	2.2	2.4	2.9
4-11 months	1.4	7.7	3.1	1.4	0.8	0.6	0.5
12-17 months	8.1	27.6	16.1	8.8	5.7	4.5	3.3
18-23 months	12.5	21.8	17.7	13.3	11.7	9.3	6.8
24-35 months	23.4	23.7	25.7	23.2	24.9	21.2	15.5
36-47 months	15.0	9.9	15.7	14.9	15.5	14.7	11.8
48-59 months	10.0	3.6	9.7	10.9	9.7	9.9	8.9
60-71 months	7.0	0.9	5.4	8.2	6.8	7.1	6.8
72 months and over	20.4	0.3	4.6	17.3	22.5	30.3	43.4
				Number			
All births	2,357,797	28,455	342,787	689,551	758,205	438,893	99,906
Not stated ²	121,828	1,585	15,572	32,813	39,053	25,712	7,093
Median (months)	37	20	28	36	38	45	60
Non-Hispanic, single race³				Percent			
White:				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	2.4	4.5	2.0	2.1	2.4	2.6	3.2
4-11 months	1.1	7.1	2.6	1.1	0.7	0.6	0.5
12-17 months	7.6	28.9	16.4	8.6	5.4	4.4	3.5
18-23 months	14.3	23.1	20.0	15.6	13.5	10.8	8.4
24-35 months	27.9	23.7	27.9	27.7	30.3	25.7	19.6
36-47 months	16.3	8.9	15.4	15.5	17.3	16.8	13.9
48-59 months	9.4	2.8	8.5	9.8	9.2	10.3	9.7
60-71 months	5.9	0.7	4.2	6.8	5.6	6.5	6.7
72 months and over	15.1	0.2	3.0	12.8	15.7	22.2	34.7
				Number			
All births	1,187,741	9,325	147,271	338,676	418,306	229,075	45,088
Not stated ²	55,462	472	6,259	14,268	19,338	12,139	2,986
Median (months)	34	20	27	33	34	39	49
Black:				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	2.6	6.2	2.8	2.5	2.5	2.5	3.0
4-11 months	2.3	8.5	4.2	2.3	1.4	1.0	0.6
12-17 months	10.5	27.8	18.4	10.3	7.6	5.8	3.7
18-23 months	11.2	19.8	16.5	11.2	9.5	7.9	5.6
24-35 months	17.8	22.1	23.5	17.7	16.2	14.6	11.9
36-47 months	12.8	10.1	14.8	13.5	12.0	11.0	10.3
48-59 months	10.0	4.0	9.3	11.5	9.7	9.1	8.4
60-71 months	7.7	1.1	5.4	9.4	7.9	7.3	7.2
72 months and over	25.2	0.4	5.1	21.7	33.2	41.0	49.3
				Number			
All births	357,940	6,211	67,728	118,251	96,647	54,830	14,273
Not stated ²	22,515	349	3,372	6,769	6,381	4,319	1,325
Median (months)	40	20	27	41	48	57	70

Table I-10. Live births by interval since last live birth, by age (years) and race and Hispanic origin of mother: United States, 2018—Con.

Interval since last live birth and race and Hispanic origin of mother	All ages	Under 20	20–24	25–29	30–34	35–39	40–54
Hispanic ⁴				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–3 months (plural deliveries)	1.7	3.7	1.6	1.5	1.7	1.8	2.1
4–11 months	1.5	7.4	2.8	1.4	0.9	0.7	0.5
12–17 months	7.8	26.1	13.6	7.8	5.5	4.5	2.8
18–23 months	10.1	21.8	15.2	10.2	8.5	7.0	4.9
24–35 months	17.9	24.8	24.2	18.2	16.6	14.1	10.7
36–47 months	13.5	10.8	16.8	14.5	12.6	11.1	8.8
48–59 months	10.7	4.2	11.8	12.4	10.3	8.8	7.5
60–71 months	8.4	0.9	7.2	10.1	8.6	7.5	6.4
72 months and over	28.5	0.4	6.7	24.0	35.2	44.6	56.3
				Number			
All births	583,161	10,970	104,291	178,931	163,270	98,918	26,781
Not stated ²	29,703	594	4,659	8,612	8,487	5,592	1,759
Median (months)	45	21	31	44	52	63	85

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

²No response reported for interval since last live birth. See Technical Notes in report.

³Race 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. Single race is defined as only one race reported on the birth certificate.

⁴Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-11. Mother received WIC food for herself during this pregnancy and infant was being breastfed at discharge, by age (years) and race and Hispanic origin of mother: United States, 2018

Selected characteristic and race and Hispanic origin of mother	All births	Characteristic reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated ¹
All races and origins²										
Mother received WIC food for herself during this pregnancy	3,791,712	1,351,158	36.0	70.5	55.5	36.5	24.5	23.6	26.2	42,078
Infant was being breastfed at discharge ³	3,226,760	2,671,835	83.5	72.6	78.4	83.2	87.2	87.2	86.0	27,979
Non-Hispanic, single race⁴										
White:										
Mother received WIC food for herself during this pregnancy	1,956,413	457,170	23.6	67.5	46.3	24.0	13.4	12.1	13.0	17,742
Infant was being breastfed at discharge ³	1,758,497	1,481,074	84.9	70.5	78.8	84.6	88.4	88.2	86.9	14,763
Black:										
Mother received WIC food for herself during this pregnancy	552,029	297,866	54.6	72.4	64.3	54.7	46.9	42.6	40.4	6,970
Infant was being breastfed at discharge ³	509,091	364,257	72.3	60.4	67.5	71.9	77.1	79.0	80.3	5,182
Hispanic⁵										
Mother received WIC food for herself during this pregnancy	886,210	487,752	55.5	73.1	64.4	54.2	48.0	47.9	49.2	8,130
Infant was being breastfed at discharge ³	667,800	577,212	87.1	83.2	85.9	87.4	88.5	88.3	87.2	4,941

¹No response reported for selected characteristic.

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

³Excludes data for California which did not report infant was being breastfed at discharge. Also excludes Michigan, for which item wording is not consistent with national standard.

⁴Race 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 report. Single race is defined as only one race reported on the birth certificate.

⁵Includes all persons of Hispanic origin of any race.

NOTE: WIC is Special Supplemental Nutrition Program for Women, Infants, and Children.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-12. Pregnancy risk factors, by age (years) and race and Hispanic origin of mother: United States, 2018

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

Risk factor and race and Hispanic origin of mother	Factor reported		All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated ¹
	All births	Number								
All races and origins ²	Number		Rate per 1,000							Number
Diabetes										
Prepregnancy (diagnosis prior to this pregnancy)	3,791,712	35,735	9.4	4.0	6.1	7.7	9.9	15.0	22.1	2,882
Gestational (diagnosis in this pregnancy)	3,791,712	252,522	66.6	21.8	36.6	56.1	76.9	104.3	137.9	2,882
Hypertension										
Prepregnancy (chronic)	3,791,712	78,310	20.7	7.4	12.6	17.0	22.1	33.0	49.3	2,882
Gestational (PIH ³ , preeclampsia)	3,791,712	271,596	71.7	77.1	72.1	69.3	68.9	74.7	92.6	2,882
Eclampsia ⁴	3,654,292	9,449	2.6	3.4	2.8	2.3	2.3	2.9	3.8	2,837
Previous preterm birth	3,791,712	134,038	35.4	8.3	26.3	35.7	38.3	46.1	51.1	2,882
Pregnancy resulted from infertility treatment	3,791,712	73,709	19.5	0.3	2.3	9.3	23.6	42.0	96.4	2,882
Mother had a previous cesarean delivery ⁵	2,611,486	591,618	226.7	102.4	165.4	210.5	240.4	276.5	291.7	1,426
Non-Hispanic, single race⁶										
White:										
Diabetes										
Prepregnancy (diagnosis prior to this pregnancy)	1,956,413	14,863	7.6	4.5	6.2	6.6	7.5	10.5	14.4	1,224
Gestational (diagnosis in this pregnancy)	1,956,413	117,673	60.2	25.4	38.3	52.4	64.5	86.3	115.1	1,224
Hypertension										
Prepregnancy (chronic)	1,956,413	37,880	19.4	8.3	13.1	16.2	20.1	28.4	42.4	1,224
Gestational (PIH ³ , preeclampsia)	1,956,413	149,415	76.4	83.1	79.5	76.5	72.7	75.9	93.2	1,224
Eclampsia ⁴	1,871,267	4,588	2.5	3.4	2.9	2.3	2.2	2.6	3.2	1,210
Previous preterm birth	1,956,413	64,270	32.9	8.1	24.8	31.3	34.6	43.0	49.6	1,224
Pregnancy resulted from infertility treatment	1,956,413	52,164	26.7	0.4	3.6	13.7	30.8	53.8	125.7	1,224
Mother had a previous cesarean delivery ⁵	1,325,823	282,921	213.5	91.1	155.2	192.6	222.4	263.0	280.6	751
Black:										
Diabetes										
Prepregnancy (diagnosis prior to this pregnancy)	552,029	6,876	12.5	3.9	6.8	10.1	15.6	24.0	31.2	495
Gestational (diagnosis in this pregnancy)	552,029	28,915	52.4	16.0	26.8	44.5	70.5	95.2	116.6	495
Hypertension										
Prepregnancy (chronic)	552,029	22,601	41.0	11.2	20.4	33.5	52.3	80.8	106.5	495
Gestational (PIH ³ , preeclampsia)	552,029	47,737	86.6	92.7	82.7	80.5	88.0	97.1	110.2	495
Eclampsia ⁴	519,427	1,731	3.3	4.3	3.0	2.8	3.4	4.2	4.9	484
Previous preterm birth	552,029	28,604	51.9	10.6	34.5	56.7	64.8	70.1	70.4	495
Pregnancy resulted from infertility treatment	552,029	3,879	7.0	0.3	0.9	2.9	8.6	18.5	54.7	495
Mother had a previous cesarean delivery ⁵	398,918	97,252	244.0	112.7	177.1	236.6	274.7	300.0	311.5	273
Hispanic⁷										
Diabetes										
Prepregnancy (Diagnosis prior to this pregnancy)	886,210	9,749	11.0	3.6	5.4	8.5	13.3	21.0	31.6	392
Gestational (Diagnosis in this pregnancy)	886,210	63,931	72.2	20.7	37.5	60.8	91.2	127.7	170.7	392
Hypertension										
Prepregnancy (Chronic)	886,210	11,961	13.5	4.5	7.5	10.4	15.7	25.3	39.3	392
Gestational (PIH ³ , preeclampsia)	886,210	52,650	59.4	62.6	55.9	53.7	59.1	69.2	89.3	392
Eclampsia ⁴	873,131	1,841	2.1	2.5	2.2	1.9	1.9	2.4	3.2	385
Previous preterm birth	886,210	29,579	33.4	7.3	23.2	34.4	40.1	47.8	50.1	392
Pregnancy resulted from infertility treatment	886,210	6,350	7.2	0.1	1.0	3.5	9.0	17.6	41.7	392
Mother had a previous cesarean delivery ⁵	629,539	152,073	241.6	110.4	175.6	232.5	267.7	294.0	298.6	223

¹No response reported for pregnancy risk factor item.²Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple-race women, and births with origin not stated.³PIH is pregnancy-induced hypertension.⁴Excludes data for South Carolina and Tennessee.⁵Excludes women who have not had a previous pregnancy and for whom total birth order is unknown.⁶Race 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 report. Single race is defined as only one race reported on the birth certificate.⁷Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-13. Infections present or treated during this pregnancy, by age (years) and race and Hispanic origin of mother: United States, 2018

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

Infection and race and Hispanic origin of mother	All births	Infection present	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated ¹
All races and origins ²	Number		Rate per 100,000							Number
Gonorrhea	3,791,712	11,734	310.2	1,151.5	631.5	279.5	128.6	92.1	67.9	8,460
Syphilis	3,791,712	4,416	116.7	152.9	166.3	122.7	85.4	90.9	113.8	8,460
Chlamydia	3,791,712	69,758	1,843.9	7,288.4	4,062.2	1,549.1	659.3	438.9	375.2	8,460
Hepatitis B	3,791,712	8,192	216.5	67.9	106.7	181.2	262.7	332.1	450.3	8,460
Hepatitis C	3,791,712	18,927	500.3	157.9	433.7	659.1	495.8	431.3	341.3	8,460
Non-Hispanic, single race ³										
White:										
Gonorrhea	1,956,413	3,317	169.9	654.3	370.4	168.7	80.3	60.6	48.7	3,831
Syphilis	1,956,413	1,029	52.7	84.5	83.5	51.6	41.4	37.9	53.7	3,831
Chlamydia	1,956,413	21,816	1,117.3	5,368.0	2,882.0	966.0	389.5	264.3	236.7	3,831
Hepatitis B	1,956,413	1,609	82.4	46.1	60.2	75.2	94.2	97.2	114.2	3,831
Hepatitis C	1,956,413	15,282	782.7	290.3	768.5	1,044.7	704.9	620.4	505.3	3,831
Black:										
Gonorrhea	552,029	5,494	998.2	2,915.5	1,640.2	846.9	418.2	247.6	189.4	1,636
Syphilis	552,029	1,809	328.7	291.0	378.8	360.6	281.0	261.0	310.0	1,636
Chlamydia	552,029	23,207	4,216.4	12,556.0	7,124.2	3,453.8	1,703.5	948.5	729.0	1,636
Hepatitis B	552,029	2,133	387.5	112.7	169.4	336.0	557.9	662.1	935.7	1,636
Hepatitis C	552,029	798	145.0	62.9	101.1	151.5	166.3	207.3	218.1	1,636
Hispanic ⁴										
Gonorrhea	886,210	1,874	211.9	531.2	343.5	170.0	118.9	93.1	61.3	1,885
Syphilis	886,210	1,197	135.4	137.0	157.2	132.9	112.6	143.5	125.8	1,885
Chlamydia	886,210	19,025	2,151.4	5,870.8	3,835.9	1,715.2	909.8	638.9	493.5	1,885
Hepatitis B	886,210	684	77.3	33.5	64.0	77.3	84.7	99.9	125.8	1,885
Hepatitis C	886,210	1,380	156.1	71.5	122.8	181.9	173.8	181.9	132.2	1,885

¹No response reported for infections treated or present during this pregnancy item.

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

³Race 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 report. Single race is defined as only one race reported on the birth certificate.

⁴Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I–14. External cephalic version, by age (years) and race and Hispanic origin of mother: United States, 2018

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

Race and Hispanic origin of mother	All births ¹	Procedure reported	All ages	Under 20	20–24	25–29	30–34	35–39	40–54	Not stated ²
All races and origins ³	Number		Rate per 1,000							Number
External cephalic version.....	3,791,712	10,934	2.9	1.6	2.1	2.7	3.3	3.6	4.1	3,511
Percent successful ⁴	10,934	5,645	51.6	46.6	47.0	49.4	52.1	55.6	61.5	–
Non-Hispanic, single race ⁵										
White:										
External cephalic version.....	1,956,413	6,843	3.5	1.7	2.5	3.3	3.9	4.3	4.9	1,469
Percent successful ⁴	6,843	3,322	48.5	33.6	39.8	46.3	50.1	53.2	59.3	–
Black:										
External cephalic version.....	552,029	974	1.8	1.3	1.5	1.5	2.1	2.3	2.7	698
Percent successful ⁴	974	584	60.0	60.0	60.1	56.7	59.4	63.2	68.8	–
Hispanic ⁶										
External cephalic version.....	886,210	1,861	2.1	1.6	1.6	1.9	2.4	2.7	3.4	509
Percent successful ⁴	1,861	1,071	57.5	51.9	54.4	55.8	59.0	60.9	64.5	–

– Quantity zero.

¹Number for percent successful is women with an external cephalic version (ECV) in specified group.²No response reported for obstetric procedure item.³Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple race women, and births with origin not stated.⁴Percent successful ECV is the number of successful ECVs per 100 live births to women with an ECV in specified group.⁵Race 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 report. Single race is defined as only one race reported on the birth certificate.⁶Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-15. Characteristics of labor and delivery, by age (years) and race and Hispanic origin of mother: United States, 2018

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

Labor and delivery characteristic and race and Hispanic origin of mother	Characteristic reported									
	All births	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated ¹	
All races and origins ²	Number		Rate per 1,000							Number
Induction of labor.....	3,791,712	1,025,834	270.8	308.4	294.7	274.7	255.6	250.1	271.1	4,151
Augmentation of labor.....	3,791,712	816,748	215.5	269.0	244.0	223.2	205.6	179.2	154.9	1,369
Steroids (glucocorticoids) for fetal lung maturation.....	3,791,712	131,900	34.8	37.8	34.1	32.9	33.4	38.2	47.7	1,369
Antibiotics received by mother during labor.....	3,791,712	956,104	252.2	261.8	251.7	244.3	250.8	262.3	278.0	1,369
Clinical chorioamnionitis during labor.....	3,791,712	60,805	16.0	24.9	19.4	16.3	14.7	12.1	11.0	1,369
Epidural or spinal anesthesia during labor.....	3,791,712	2,846,929	751.1	783.0	762.8	748.5	746.5	741.7	741.7	1,369
Non-Hispanic, single race ³										
White:										
Induction of labor.....	1,956,413	592,611	303.4	374.5	344.2	311.6	282.1	273.8	297.9	3,240
Augmentation of labor.....	1,956,413	423,055	216.3	267.9	242.7	227.5	209.2	182.1	155.3	716
Steroids (glucocorticoids) for fetal lung maturation.....	1,956,413	67,522	34.5	40.9	35.3	32.8	32.8	36.8	46.9	716
Antibiotics received by mother during labor.....	1,956,413	480,567	245.7	253.2	240.3	236.8	245.9	260.1	278.1	716
Clinical chorioamnionitis during labor.....	1,956,413	24,191	12.4	16.1	14.0	12.9	12.0	10.0	9.5	716
Epidural or spinal anesthesia during labor.....	1,956,413	1,495,272	764.6	820.4	786.1	764.2	756.5	749.9	748.4	716
Black:										
Induction of labor.....	552,029	138,976	251.9	290.9	266.1	246.1	236.7	242.7	254.1	327
Augmentation of labor.....	552,029	110,329	199.9	248.5	231.0	200.7	180.8	157.5	140.4	211
Steroids (glucocorticoids) for fetal lung maturation.....	552,029	26,375	47.8	47.0	44.4	46.3	47.7	55.5	61.5	211
Antibiotics received by mother during labor.....	552,029	156,419	283.5	308.9	294.2	278.0	275.9	274.3	284.2	211
Clinical chorioamnionitis during labor.....	552,029	8,570	15.5	22.1	18.3	15.8	13.1	11.5	9.8	211
Epidural or spinal anesthesia during labor.....	552,029	412,447	747.4	779.0	761.9	741.8	734.8	737.4	746.3	211
Hispanic ⁴										
Induction of labor.....	886,210	202,135	228.1	256.2	244.0	224.0	211.4	217.9	247.1	232
Augmentation of labor.....	886,210	190,136	214.6	278.2	249.7	215.9	191.4	170.8	152.3	179
Steroids (glucocorticoids) for fetal lung maturation.....	886,210	25,750	29.1	29.5	25.6	26.5	29.9	35.4	42.9	179
Antibiotics received by mother during labor.....	886,210	213,614	241.1	239.1	238.9	234.8	242.2	251.9	263.4	179
Clinical chorioamnionitis during labor.....	886,210	17,666	19.9	35.0	27.2	19.3	14.8	11.5	10.6	179
Epidural or spinal anesthesia during labor.....	886,210	640,099	722.4	753.1	734.9	719.6	711.9	710.0	713.9	179

¹No response reported for selected characteristic.

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

³Race 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 report. Single race is defined as only one race reported on the birth certificate.

⁴Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-16. Total cesarean delivery and low-risk cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2018

[By place of residence]

Area	Total cesarean delivery rate ¹				Low-risk cesarean delivery rate ²			
	All races and origins ⁴	Non-Hispanic, single race ³			All races and origins ⁴	Non-Hispanic, single race ³		
		White	Black	Hispanic ⁵		White	Black	Hispanic ⁵
United States ⁶	31.9	30.8	36.1	31.6	25.9	24.9	30.3	25.4
Alabama.....	34.7	34.1	37.9	26.5	28.6	27.9	31.3	22.5
Alaska.....	22.4	24.6	26.8	25.7	16.7	18.4	16.5	15.6
Arizona.....	27.5	27.4	34.2	26.7	21.3	21.1	27.7	20.8
Arkansas.....	34.8	35.0	37.1	31.1	28.4	27.8	31.8	25.0
California.....	30.9	29.8	35.7	30.6	24.0	23.3	28.5	23.3
Colorado.....	26.1	26.3	29.5	24.1	21.2	21.3	27.4	18.8
Connecticut.....	34.8	34.4	39.0	33.8	29.4	29.1	34.2	27.9
Delaware.....	31.3	30.6	33.4	28.6	24.1	24.4	26.0	18.7
District of Columbia.....	31.5	29.1	33.9	28.7	28.0	24.1	31.6	27.8
Florida.....	36.8	33.9	38.4	40.2	30.4	27.6	31.7	33.8
Georgia.....	34.0	33.5	36.2	30.0	27.9	27.3	30.2	23.7
Hawaii.....	26.9	25.0	33.3	26.4	22.4	20.4	24.8	21.7
Idaho.....	24.0	23.6	32.6	24.7	18.5	17.9	34.9	18.0
Illinois.....	31.2	31.2	32.9	28.9	25.2	24.6	27.5	23.8
Indiana.....	29.8	29.5	32.8	28.5	23.5	23.3	25.6	21.7
Iowa.....	29.8	29.6	32.1	28.8	23.4	22.9	31.6	22.0
Kansas.....	29.7	30.1	31.9	26.9	24.2	24.3	25.2	22.2
Kentucky.....	34.3	34.6	35.9	29.8	27.8	27.9	29.5	25.2
Louisiana.....	37.0	37.1	37.9	33.9	29.3	29.3	30.4	25.0
Maine.....	30.4	30.1	33.0	29.0	25.0	24.6	29.5	26.1
Maryland.....	33.9	31.9	39.3	28.4	28.2	26.2	33.1	22.7
Massachusetts.....	31.5	31.1	37.0	31.0	25.4	25.1	32.3	23.8
Michigan.....	32.1	31.5	34.4	30.9	27.3	26.2	31.5	25.8
Minnesota.....	27.0	27.0	29.4	26.3	22.9	22.5	28.2	21.4
Mississippi.....	38.3	37.6	40.1	30.1	31.2	30.2	32.9	24.4
Missouri.....	30.0	29.9	30.6	27.4	23.9	23.3	26.4	22.9
Montana.....	28.1	27.5	25.9	30.5	22.7	22.1	*	28.6
Nebraska.....	29.9	30.5	32.4	26.7	22.5	22.1	26.0	22.1
Nevada.....	33.8	32.8	40.9	31.8	28.0	27.1	34.2	26.2
New Hampshire.....	31.6	31.4	39.0	32.0	27.0	26.6	42.3	25.1
New Jersey.....	34.9	32.6	38.4	35.9	27.8	26.3	31.3	27.3
New Mexico.....	25.3	25.0	32.3	25.7	19.6	18.9	28.3	19.7
New York.....	33.9	31.3	38.9	36.0	28.9	27.2	33.6	29.9
North Carolina.....	29.4	29.5	32.2	24.9	23.3	22.8	26.3	20.2
North Dakota.....	26.5	25.6	30.5	23.5	19.3	18.6	29.9	11.7
Ohio.....	30.8	30.4	32.3	29.0	25.4	24.8	28.4	23.4
Oklahoma.....	32.8	32.9	37.1	29.6	24.6	24.5	29.6	21.3
Oregon.....	28.0	27.5	35.5	27.8	23.8	23.0	34.5	23.8
Pennsylvania.....	30.1	29.6	31.8	30.6	25.1	24.8	27.8	23.2
Rhode Island.....	32.2	32.9	34.2	30.8	27.8	28.3	30.0	24.9
South Carolina.....	33.5	32.9	36.5	28.4	26.9	25.7	30.6	23.9
South Dakota.....	24.6	24.2	27.9	23.4	18.7	17.8	34.3	18.7
Tennessee.....	32.4	32.1	34.9	28.9	26.4	26.0	28.7	23.6
Texas.....	35.0	33.9	40.3	34.3	28.7	27.3	33.4	28.2
Utah.....	22.7	21.6	28.8	24.7	18.3	17.0	31.3	19.8
Vermont.....	25.9	25.6	37.3	24.0	20.3	20.0	*	*
Virginia.....	32.4	31.0	36.1	29.9	25.8	24.7	29.0	22.9
Washington.....	27.9	26.8	33.7	26.6	23.1	22.4	28.1	21.2
West Virginia.....	34.1	34.0	38.7	34.5	27.3	27.2	27.6	31.6
Wisconsin.....	26.6	26.7	27.6	26.5	22.3	22.0	25.6	21.4
Wyoming.....	27.4	27.5	36.8	26.9	20.4	20.7	*	19.2

See footnotes at end of table.

Table I-16. Total cesarean delivery and low-risk cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2018—Con.

[By place of residence]

Area	Total cesarean delivery rate ¹				Low-risk cesarean delivery rate ²			
	All races and origins ⁴	Non-Hispanic, single race ³			All races and origins ⁴	Non-Hispanic, single race ³		
		White	Black	Hispanic ⁵		White	Black	Hispanic ⁵
Puerto Rico.....	46.3	46.0	46.9	46.4	41.9	42.3	*	41.8
Virgin Islands.....	---	---	---	---	---	---	---	---
Guam.....	25.4	21.9	*	*	23.1	28.6	*	*
American Samoa.....	---	---	---	---	---	---	---	---
Northern Marianas.....	31.5	*	*	*	32.3	*	*	*

* Estimate does not meet NCHS standards of reliability.

--- Data not available.

¹Percent of all live births by cesarean delivery.²Low-risk cesarean rate is the number of singleton, term (37 or more weeks of gestation based on the obstetric estimate), cephalic, cesarean deliveries to women having a first birth per 100 women delivering singleton, term, cephalic, first births.³Race 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 report. Single race is defined as only one race reported on the birth certificate.⁴Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple-race women, and births with origin not stated.⁵Includes all persons of Hispanic origin of any race; see Technical Notes.⁶Excludes data for the territories.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-17. Method of delivery, by age (years) and race and Hispanic origin of mother: United States, 2018

[Percentages are number of live births with specified method of delivery per 100 live births in specified group]

Method of delivery and race and Hispanic origin of mother	All births ¹	Method reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated ²
All races and origins ³	Number		Rate per 100							Number
Fetal presentation at birth										
Cephalic	3,791,712	3,596,499	95.2	96.7	96.3	95.6	94.8	93.9	92.3	12,637
Breech	3,791,712	150,057	4.0	2.6	2.9	3.6	4.4	5.1	6.5	12,637
Other	3,791,712	32,519	0.9	0.8	0.8	0.8	0.9	1.0	1.2	12,637
Final route and method of delivery										
Vaginal, spontaneous	3,791,712	2,466,372	65.1	75.9	71.2	67.0	63.1	57.2	49.6	1,544
Vaginal, forceps	3,791,712	19,439	0.5	0.6	0.5	0.5	0.5	0.5	0.5	1,544
Vaginal, vacuum	3,791,712	96,181	2.5	3.8	2.7	2.5	2.5	2.2	1.9	1,544
Cesarean	3,791,712	1,208,176	31.9	19.8	25.5	30.0	33.9	40.1	48.0	1,544
Cesarean, trial of labor attempted ⁴	1,208,176	317,704	26.4	49.4	35.6	27.8	23.5	19.9	19.8	6,203
Non-Hispanic, single race⁵										
White:										
Fetal presentation at birth										
Cephalic	1,956,413	1,849,663	94.8	96.2	95.9	95.2	94.5	93.8	92.1	5,743
Breech	1,956,413	84,776	4.3	3.1	3.4	4.0	4.6	5.3	6.7	5,743
Other	1,956,413	16,231	0.8	0.7	0.8	0.8	0.8	0.9	1.2	5,743
Final route and method of delivery										
Vaginal, spontaneous	1,956,413	1,290,705	66.0	75.1	71.5	68.2	64.9	59.1	51.3	628
Vaginal, forceps	1,956,413	11,525	0.6	0.7	0.6	0.6	0.6	0.5	0.5	628
Vaginal, vacuum	1,956,413	51,194	2.6	4.2	3.0	2.7	2.5	2.2	2.0	628
Cesarean	1,956,413	602,361	30.8	20.0	24.9	28.6	32.0	38.2	46.2	628
Cesarean, trial of labor attempted ⁴	602,361	163,947	27.3	52.2	36.9	29.6	24.6	20.9	21.0	2,630
Black:										
Fetal presentation at birth										
Cephalic	552,029	525,630	95.5	96.9	96.5	95.8	95.0	93.7	92.2	1,648
Breech	552,029	19,602	3.6	2.2	2.6	3.3	4.1	5.2	6.7	1,648
Other	552,029	5,149	0.9	0.8	0.9	0.9	1.0	1.1	1.1	1,648
Final route and method of delivery										
Vaginal, spontaneous	552,029	339,161	61.5	73.2	67.8	62.5	57.3	51.1	44.6	162
Vaginal, forceps	552,029	2,065	0.4	0.6	0.4	0.3	0.3	0.3	0.3	162
Vaginal, vacuum	552,029	11,524	2.1	3.8	2.5	1.9	1.7	1.5	1.1	162
Cesarean	552,029	199,117	36.1	22.4	29.2	35.2	40.6	47.1	54.0	162
Cesarean, trial of labor attempted ⁴	199,117	55,339	27.9	49.6	36.4	27.5	23.7	21.0	20.8	1,088
Hispanic⁶										
Fetal presentation at birth										
Cephalic	886,210	845,165	95.7	97.0	96.7	96.1	95.1	94.1	92.7	3,202
Breech	886,210	29,973	3.4	2.2	2.5	3.0	4.0	4.8	5.9	3,202
Other	886,210	7,870	0.9	0.8	0.8	0.8	0.9	1.1	1.4	3,202
Final route and method of delivery										
Vaginal, spontaneous	886,210	583,866	65.9	78.0	72.6	67.0	61.7	56.4	50.3	150
Vaginal, forceps	886,210	3,258	0.4	0.5	0.4	0.3	0.3	0.3	0.3	150
Vaginal, vacuum	886,210	18,550	2.1	3.3	2.4	1.9	1.9	1.7	1.7	150
Cesarean	886,210	280,386	31.6	18.2	24.7	30.7	36.1	41.6	47.7	150
Cesarean, trial of labor attempted ⁴	280,386	64,674	23.2	45.7	32.3	22.9	18.9	17.0	17.3	1,979

¹Total for vaginal birth after cesarean delivery is the number of births to women delivering after a previous cesarean. Total for primary cesarean is the number of births to women delivering without a previous cesarean. Total for "cesarean, trial of labor attempted" is the number of women delivering by cesarean.

²No response reported for selected characteristic.

³Includes births to race and origin groups not shown separately, such as Hispanic single-race white, Hispanic single-race black, and non-Hispanic multiple-race women, and births with origin not stated.

⁴Number of women who attempted a trial of labor before cesarean delivery per 100 cesarean births.

⁵Race 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 report. Single race is defined as only one race reported on the birth certificate.

⁶Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-18. Maternal morbidity, by age (years) and race and Hispanic origin of mother: United States, 2018

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

Maternal morbidity and race and Hispanic origin of mother	All births	Morbidity reported	All ages							Not stated ¹
			Under 20	20-24	25-29	30-34	35-39	40-54		
All races and origins ²	Number		Rate per 100							Number
Maternal transfusion	3,791,712	15,646	413.0	572.6	415.7	376.2	377.1	456.7	601.7	3,464
Third- or fourth-degree perineal laceration	3,791,712	31,532	832.4	929.7	784.1	894.2	920.4	655.8	465.2	3,464
Ruptured uterus	3,791,712	1,315	34.7	17.6	24.4	29.9	39.5	46.4	67.0	3,464
Unplanned hysterectomy	3,791,712	1,773	46.8	7.7	15.4	33.9	54.8	84.8	156.1	3,464
Admission to intensive care unit	3,791,712	6,309	166.5	147.1	125.3	140.8	165.0	233.5	367.5	3,464
Non-Hispanic, single race ³										
White:										
Maternal transfusion	1,956,413	7,538	385.6	552.2	390.1	353.3	357.5	439.5	511.5	1,617
Third- or fourth-degree perineal laceration	1,956,413	18,467	944.7	966.4	894.9	1,048.2	1,011.4	740.7	534.9	1,617
Ruptured uterus	1,956,413	637	32.6	10.7	21.1	25.3	39.1	45.1	57.0	1,617
Unplanned hysterectomy	1,956,413	829	42.4	9.2	16.9	28.1	47.8	73.1	144.2	1,617
Admission to intensive care unit	1,956,413	2,806	143.5	135.0	115.8	126.0	138.6	191.6	281.7	1,617
Black:										
Maternal transfusion	552,029	2,872	520.7	536.1	465.7	490.9	511.7	620.6	886.2	506
Third- or fourth-degree perineal laceration	552,029	2,383	432.1	771.4	476.6	399.6	419.9	303.6	228.7	506
Ruptured uterus	552,029	249	45.1	26.1	38.4	45.6	49.2	46.1	102.9	506
Unplanned hysterectomy	552,029	302	54.8	10.5	9.4	45.6	76.6	122.0	183.0	506
Admission to intensive care unit	552,029	1,329	241.0	170.0	164.7	201.6	268.4	385.4	623.2	506
Hispanic ⁴										
Maternal transfusion	886,210	3,526	398.1	582.0	402.7	349.9	359.5	419.5	550.1	598
Third- or fourth-degree perineal laceration	886,210	5,320	600.7	984.7	731.0	576.4	529.2	405.9	321.7	598
Ruptured uterus	886,210	261	29.5	15.2	21.0	29.5	32.7	38.4	61.1	598
Unplanned hysterectomy	886,210	401	45.3	6.1	13.8	38.2	54.8	99.8	128.7	598
Admission to intensive care unit	886,210	1,326	149.7	138.3	108.8	120.2	161.5	231.9	302.4	598

¹No response reported for selected characteristic.

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

³Race 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 report. Single race is defined as only one race reported on the birth certificate.

⁴Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-19. Preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2018

[By place of residence. Preterm is less than 37 completed weeks of gestation based on the obstetric estimate; see Technical Notes in report]

Area	All races and origins ²	Non-Hispanic, single race ¹			All races ²	Non-Hispanic, single race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
United States ⁴	379,777	177,842	77,939	86,186	10.02	9.09	14.13	9.73
Alabama	7,204	3,671	2,903	413	12.48	10.87	16.51	9.40
Alaska	933	383	30	77	9.26	7.58	10.75	9.54
Arizona	7,673	2,911	543	3,257	9.52	8.88	12.61	9.56
Arkansas	4,299	2,465	1,153	418	11.62	10.45	16.57	10.20
California	39,964	9,449	2,751	19,142	8.79	7.68	12.30	9.07
Colorado	5,795	3,171	323	1,728	9.22	8.70	10.66	9.70
Connecticut	3,251	1,504	586	893	9.36	8.14	13.25	10.20
Delaware	1,015	450	359	142	9.56	8.70	12.95	8.30
District of Columbia	930	191	573	122	10.10	6.28	13.49	9.41
Florida	22,701	8,834	6,750	6,136	10.25	9.22	14.02	9.13
Georgia	14,509	5,559	6,365	1,715	11.50	9.99	14.56	9.84
Hawaii	1,744	249	56	230	10.28	7.58	13.21	8.92
Idaho	1,933	1,458	22	340	9.03	8.80	9.44	9.58
Illinois	15,445	7,369	3,643	3,146	10.67	9.54	14.89	10.37
Indiana	8,351	5,671	1,464	790	10.23	9.53	14.30	10.04
Iowa	3,745	2,802	293	409	9.91	9.56	11.21	11.07
Kansas	3,440	2,321	349	556	9.49	9.17	13.56	9.31
Kentucky	6,109	4,865	701	303	11.33	11.24	14.17	9.39
Louisiana	7,743	3,224	3,755	510	12.99	10.59	16.98	10.81
Maine	1,054	939	51	13	8.56	8.52	9.36	5.80
Maryland	7,231	2,573	2,821	1,139	10.18	8.70	12.89	9.14
Massachusetts	6,172	3,309	761	1,355	8.94	8.34	11.15	9.81
Michigan	11,039	6,579	3,069	706	10.04	8.80	14.94	9.90
Minnesota	6,004	3,953	783	487	8.92	8.59	9.54	9.76
Mississippi	5,269	2,269	2,727	182	14.25	12.20	17.27	10.93
Missouri	7,849	5,239	1,603	456	10.72	9.77	15.16	10.35
Montana	1,047	761	4	60	9.10	8.25	*	10.75
Nebraska	2,664	1,792	235	409	10.45	10.16	13.51	9.85
Nevada	3,616	1,214	594	1,245	10.14	9.33	13.02	9.36
New Hampshire	995	835	22	68	8.30	8.10	9.13	9.13
New Jersey	9,618	3,736	1,860	2,717	9.50	8.21	13.40	9.85
New Mexico	2,254	584	52	1,285	9.79	9.06	13.44	10.06
New York	20,281	8,447	4,225	4,993	8.98	7.62	12.75	9.65
North Carolina	12,340	5,950	3,809	1,675	10.38	9.37	13.78	9.13
North Dakota	1,018	700	60	64	9.57	8.96	9.85	10.09
Ohio	13,845	9,213	3,110	711	10.25	9.46	14.02	9.57
Oklahoma	5,670	3,148	651	807	11.39	11.07	15.75	10.70
Oregon	3,304	2,044	102	733	7.83	7.23	10.65	9.17
Pennsylvania	12,915	7,830	2,431	1,583	9.54	8.63	13.70	10.01
Rhode Island	943	494	88	269	8.98	8.22	11.25	9.76
South Carolina	6,426	3,080	2,531	495	11.34	9.66	15.18	9.42
South Dakota	1,122	719	32	68	9.44	8.48	7.71	10.29
Tennessee	8,911	5,460	2,332	734	11.06	10.27	14.69	9.41
Texas	40,799	12,054	7,023	19,276	10.78	9.60	14.60	10.76
Utah	4,445	3,030	57	904	9.42	8.83	10.96	11.12
Vermont	462	427	10	10	8.51	8.66	8.47	8.26
Virginia	9,401	4,577	2,757	1,267	9.42	8.36	13.23	8.80
Washington	7,147	3,751	398	1,400	8.31	7.66	10.17	8.72
West Virginia	2,158	1,954	89	37	11.83	11.76	14.22	9.79
Wisconsin	6,348	4,124	1,030	638	9.91	9.04	15.57	10.04
Wyoming	646	510	3	73	9.85	10.05	*	8.58

See footnotes at end of table.

Table I-19. Preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2018—Con.

[By place of residence. Preterm is less than 37 completed weeks of gestation based on the obstetric estimate; see Technical Notes in report]

Area	All races and origins ²	Non-Hispanic, single race ¹			All races ²	Non-Hispanic, single race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number			Percent			
Puerto Rico.....	2,549	69	5	2,466	11.90	14.38	*	11.84
Virgin Islands.....	---	---	---	---	---	---	---	---
Guam.....	315	9	—	2	9.98	*	*	*
American Samoa.....	---	---	---	---	---	---	---	---
Northern Marianas.....	59	1	—	—	10.44	*	*	*

* Estimate does not meet NCHS standards of reliability.

--- Data not available.

— Quantity zero.

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

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

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

⁴Excludes data for the territories.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I–20. Late preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2018

[By place of residence. Late preterm is 34–36 completed weeks of gestation based on the obstetric estimate; see Technical Notes in report]

Area	All races and origins ²	Non-Hispanic, single race ¹			All races ²	Non-Hispanic, single race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
United States ⁴	275,746	133,555	50,931	63,549	7.28	6.83	9.23	7.17
Alabama	5,116	2,747	1,903	324	8.86	8.14	10.82	7.38
Alaska	697	299	17	55	6.91	5.91	6.09	6.82
Arizona	5,705	2,189	383	2,425	7.08	6.68	8.90	7.12
Arkansas	3,145	1,870	779	309	8.50	7.93	11.19	7.54
California	29,526	7,183	1,839	14,151	6.49	5.84	8.22	6.70
Colorado	4,244	2,363	234	1,242	6.75	6.48	7.72	6.97
Connecticut	2,346	1,131	382	633	6.76	6.12	8.64	7.23
Delaware	722	346	221	105	6.80	6.69	7.97	6.14
District of Columbia	619	158	348	83	6.72	5.20	8.19	6.40
Florida	16,244	6,629	4,363	4,524	7.34	6.92	9.06	6.73
Georgia	10,169	4,173	4,125	1,260	8.06	7.50	9.43	7.23
Hawaii	1,285	191	36	176	7.58	5.81	8.49	6.83
Idaho	1,470	1,107	14	258	6.87	6.68	6.01	7.27
Illinois	11,153	5,492	2,394	2,330	7.71	7.11	9.79	7.68
Indiana	6,097	4,246	953	579	7.47	7.14	9.31	7.36
Iowa	2,752	2,075	196	308	7.29	7.08	7.50	8.34
Kansas	2,518	1,722	236	410	6.95	6.80	9.17	6.86
Kentucky	4,502	3,664	458	206	8.35	8.46	9.26	6.39
Louisiana	5,576	2,478	2,533	376	9.36	8.14	11.46	7.97
Maine	788	706	35	10	6.40	6.41	6.42	*
Maryland	5,042	1,891	1,824	830	7.10	6.40	8.34	6.66
Massachusetts	4,490	2,504	472	944	6.50	6.31	6.92	6.84
Michigan	8,066	4,976	2,042	526	7.33	6.66	9.94	7.37
Minnesota	4,453	3,003	529	355	6.62	6.53	6.45	7.12
Mississippi	3,733	1,721	1,803	138	10.09	9.26	11.42	8.29
Missouri	5,777	3,957	1,062	350	7.89	7.38	10.04	7.95
Montana	790	575	3	45	6.87	6.24	*	8.06
Nebraska	1,999	1,382	155	285	7.84	7.83	8.91	6.86
Nevada	2,654	913	406	925	7.44	7.02	8.90	6.95
New Hampshire	719	610	12	48	6.00	5.92	4.98	6.44
New Jersey	6,963	2,848	1,162	1,997	6.88	6.26	8.37	7.24
New Mexico	1,674	459	39	949	7.27	7.12	10.08	7.43
New York	14,482	6,262	2,669	3,593	6.41	5.65	8.05	6.94
North Carolina	8,759	4,462	2,446	1,216	7.37	7.03	8.85	6.62
North Dakota	756	531	42	45	7.11	6.79	6.90	7.10
Ohio	9,949	6,825	2,013	532	7.37	7.01	9.08	7.16
Oklahoma	4,192	2,375	433	618	8.42	8.35	10.48	8.20
Oregon	2,491	1,522	70	564	5.91	5.39	7.31	7.06
Pennsylvania	9,227	5,807	1,563	1,110	6.81	6.40	8.81	7.02
Rhode Island	667	366	56	186	6.35	6.09	7.16	6.75
South Carolina	4,571	2,295	1,652	384	8.07	7.20	9.91	7.31
South Dakota	868	570	21	50	7.31	6.72	5.06	7.56
Tennessee	6,380	4,056	1,496	547	7.92	7.63	9.42	7.01
Texas	29,816	9,057	4,641	14,325	7.88	7.21	9.65	8.00
Utah	3,392	2,331	42	680	7.19	6.80	8.08	8.36
Vermont	346	325	7	6	6.38	6.59	*	*
Virginia	6,758	3,424	1,805	952	6.77	6.25	8.66	6.61
Washington	5,293	2,806	261	1,035	6.16	5.73	6.67	6.45
West Virginia	1,592	1,453	62	24	8.73	8.75	9.90	6.35
Wisconsin	4,684	3,097	694	470	7.31	6.79	10.49	7.39
Wyoming	489	383	–	56	7.45	7.54	*	6.58

See footnotes at end of table.

Table I-20. Late preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2018—Con.

[By place of residence. Late preterm is 34–36 completed weeks of gestation based on the obstetric estimate; see Technical Notes in report]

Area	All races and origins ²	Non-Hispanic, single race ¹			All races ²	Non-Hispanic, single race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
Puerto Rico.....	1,897	46	4	1,842	8.86	9.58	*	8.84
Virgin Islands.....	---	---	---	---	---	---	---	---
Guam.....	252	9	—	2	7.98	*	*	*
American Samoa.....	---	---	---	---	---	---	---	---
Northern Marianas.....	39	1	—	—	6.90	*	*	*

* Estimate does not meet NCHS standards of reliability.

— Quantity zero.

--- Data not available.

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

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

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

⁴Excludes data for the territories.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-21. Low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2018

[By place of residence. Low birthweight is birthweight of less than 2,500 grams]

Area	All races and origins ²	Non-Hispanic, single-race ¹			All races ²	Non-Hispanic, single-race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
United States ⁴	313,752	135,185	77,584	66,310	8.3	6.9	14.1	7.5
Alabama	6,184	2,748	2,886	334	10.7	8.1	16.4	7.6
Alaska	590	245	35	47	5.9	4.8	12.5	5.8
Arizona	6,116	2,285	532	2,479	7.6	7.0	12.4	7.3
Arkansas	3,465	1,823	1,115	305	9.4	7.7	16.0	7.4
California	31,745	7,116	2,704	14,188	7.0	5.8	12.1	6.7
Colorado	5,906	3,135	407	1,704	9.4	8.6	13.4	9.6
Connecticut	2,641	1,114	557	705	7.6	6.0	12.6	8.1
Delaware	948	379	380	120	8.9	7.3	13.7	7.0
District of Columbia	918	157	620	88	10.0	5.2	14.6	6.8
Florida	19,217	6,838	6,675	4,781	8.7	7.1	13.9	7.1
Georgia	12,733	4,062	6,472	1,271	10.1	7.3	14.8	7.3
Hawaii	1,416	185	50	168	8.3	5.6	11.8	6.5
Idaho	1,553	1,166	26	268	7.3	7.0	11.2	7.6
Illinois	12,370	5,352	3,538	2,280	8.5	6.9	14.5	7.5
Indiana	6,572	4,218	1,416	561	8.1	7.1	13.8	7.1
Iowa	2,608	1,837	295	279	6.9	6.3	11.3	7.6
Kansas	2,676	1,702	344	434	7.4	6.7	13.4	7.3
Kentucky	4,782	3,588	717	231	8.9	8.3	14.5	7.2
Louisiana	6,428	2,269	3,537	413	10.8	7.5	16.0	8.8
Maine	885	778	51	18	7.2	7.1	9.3	8.1
Maryland	6,266	1,980	2,760	863	8.8	6.7	12.6	6.9
Massachusetts	5,237	2,575	746	1,181	7.6	6.5	11.0	8.6
Michigan	9,302	5,069	3,063	519	8.5	6.8	14.9	7.3
Minnesota	4,617	2,702	836	378	6.9	5.9	10.2	7.6
Mississippi	4,484	1,602	2,685	118	12.1	8.6	17.0	7.1
Missouri	6,389	3,905	1,684	320	8.7	7.3	15.9	7.3
Montana	855	637	5	58	7.4	6.9	*	10.4
Nebraska	1,927	1,208	242	320	7.6	6.8	13.9	7.7
Nevada	3,097	998	578	1,027	8.7	7.7	12.7	7.7
New Hampshire	812	652	30	59	6.8	6.3	12.4	7.9
New Jersey	8,001	2,822	1,796	2,075	7.9	6.2	12.9	7.5
New Mexico	2,084	526	53	1,203	9.0	8.2	13.7	9.4
New York	18,208	7,030	4,273	4,254	8.1	6.3	12.9	8.2
North Carolina	10,970	4,728	3,969	1,374	9.2	7.4	14.4	7.5
North Dakota	698	469	55	49	6.6	6.0	9.0	7.7
Ohio	11,471	7,033	3,103	559	8.5	7.2	14.0	7.5
Oklahoma	4,115	2,215	631	531	8.3	7.8	15.3	7.0
Oregon	2,826	1,744	110	587	6.7	6.2	11.5	7.3
Pennsylvania	11,222	6,253	2,462	1,419	8.3	6.9	13.9	9.0
Rhode Island	801	394	92	217	7.6	6.6	11.7	7.9
South Carolina	5,432	2,235	2,532	384	9.6	7.0	15.2	7.3
South Dakota	789	514	35	49	6.6	6.1	8.4	7.4
Tennessee	7,471	4,143	2,393	562	9.3	7.8	15.1	7.2
Texas	32,037	8,815	6,707	14,172	8.5	7.0	13.9	7.9
Utah	3,385	2,258	55	695	7.2	6.6	10.6	8.6
Vermont	381	339	9	12	7.0	6.9	*	9.9
Virginia	8,175	3,600	2,781	1,000	8.2	6.6	13.3	6.9
Washington	5,690	2,816	384	1,076	6.6	5.7	9.8	6.7
West Virginia	1,708	1,525	85	30	9.4	9.2	13.6	7.9
Wisconsin	4,935	2,910	1,066	478	7.7	6.4	16.1	7.5
Wyoming	614	491	7	67	9.4	9.7	*	7.9

See footnotes at end of table.

Table I-21. Low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2018—Con.

[By place of residence. Low birthweight is birthweight of less than 2,500 grams]

Area	All races and origins ²	Non-Hispanic, single-race ¹			All races ²	Non-Hispanic, single-race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
Puerto Rico.....	2,212	55	5	2,143	10.3	11.5	*	10.3
Virgin Islands.....	---	---	---	---	---	---	---	---
Guam.....	317	8	1	2	10.1	*	*	*
American Samoa.....	0	---	---	---	*	---	---	---
Northern Marianas.....	61	1	—	—	10.9	*	*	*

* Estimate does not meet NCHS standards of reliability.

--- Data not available.

— Quantity zero.

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

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

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

⁴Excludes data for the territories.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-22. Very low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2018

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams]

Area	All races and origins ²	Non-Hispanic, single-race ¹			All races ²	Non-Hispanic, single-race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
United States ⁴	52,171	19,872	16,127	11,006	1.4	1.0	2.9	1.2
Alabama	1,084	413	584	47	1.9	1.2	3.3	1.1
Alaska	98	34	7	7	1.0	0.7	2.5	0.9
Arizona	977	336	91	421	1.2	1.0	2.1	1.2
Arkansas	565	285	198	54	1.5	1.2	2.8	1.3
California	5,039	985	544	2,387	1.1	0.8	2.4	1.1
Colorado	761	365	55	252	1.2	1.0	1.8	1.4
Connecticut	459	154	123	139	1.3	0.8	2.8	1.6
Delaware	161	42	88	23	1.5	0.8	3.2	1.3
District of Columbia	165	10	128	17	1.8	0.3	3.0	1.3
Florida	3,482	1,026	1,473	836	1.6	1.1	3.1	1.2
Georgia	2,259	585	1,337	203	1.8	1.1	3.1	1.2
Hawaii	240	23	15	36	1.4	0.7	3.5	1.4
Idaho	224	172	5	33	1.0	1.0	2.1	0.9
Illinois	2,132	839	715	377	1.5	1.1	2.9	1.2
Indiana	1,111	636	324	99	1.4	1.1	3.2	1.3
Iowa	425	291	54	44	1.1	1.0	2.1	1.2
Kansas	459	277	65	85	1.3	1.1	2.5	1.4
Kentucky	756	523	152	40	1.4	1.2	3.1	1.2
Louisiana	1,145	329	711	72	1.9	1.1	3.2	1.5
Maine	121	103	9	2	1.0	0.9	1.6	0.9
Maryland	1,175	300	606	146	1.7	1.0	2.8	1.2
Massachusetts	822	355	168	211	1.2	0.9	2.5	1.5
Michigan	1,485	731	595	77	1.4	1.0	2.9	1.1
Minnesota	786	439	153	75	1.2	1.0	1.9	1.5
Mississippi	794	228	541	17	2.1	1.2	3.4	1.0
Missouri	991	559	318	47	1.4	1.0	3.0	1.1
Montana	108	84	—	5	0.9	0.9	*	0.9
Nebraska	287	155	54	57	1.1	0.9	3.1	1.4
Nevada	459	130	112	147	1.3	1.0	2.5	1.1
New Hampshire	131	100	6	13	1.1	1.0	2.5	1.7
New Jersey	1,401	401	414	376	1.4	0.9	3.0	1.4
New Mexico	294	62	8	178	1.3	1.0	2.1	1.4
New York	2,968	953	953	729	1.3	0.9	2.9	1.4
North Carolina	1,887	704	839	212	1.6	1.1	3.0	1.2
North Dakota	121	73	10	11	1.1	0.9	1.6	1.7
Ohio	1,995	1,144	632	94	1.5	1.2	2.9	1.3
Oklahoma	721	359	127	89	1.4	1.3	3.1	1.2
Oregon	370	227	19	76	0.9	0.8	2.0	1.0
Pennsylvania	1,869	923	534	222	1.4	1.0	3.0	1.4
Rhode Island	136	56	23	37	1.3	0.9	2.9	1.3
South Carolina	965	342	535	50	1.7	1.1	3.2	1.0
South Dakota	104	64	6	4	0.9	0.8	1.4	0.6
Tennessee	1,303	623	521	106	1.6	1.2	3.3	1.4
Texas	5,345	1,332	1,378	2,307	1.4	1.1	2.9	1.3
Utah	495	328	9	106	1.0	1.0	1.7	1.3
Vermont	58	53	2	2	1.1	1.1	*	*
Virginia	1,453	569	590	176	1.5	1.0	2.8	1.2
Washington	865	415	91	160	1.0	0.8	2.3	1.0
West Virginia	285	250	15	12	1.6	1.5	2.4	3.2
Wisconsin	765	425	187	85	1.2	0.9	2.8	1.3
Wyoming	70	60	3	5	1.1	1.2	*	0.6

See footnotes at end of table.

Table I-22. Very low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2018 —Con.

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams]

Area	All races and origins ²	Non-Hispanic, single-race ¹			All races and origins ²	Non-Hispanic, single-race ¹		
		White	Black	Hispanic ³		White	Black	Hispanic ³
		Number				Percent		
Puerto Rico.....	302	14	1	284	1.4	2.9	*	1.4
Virgin Islands.....	---	---	---	---	---	---	---	---
Guam.....	34	—	—	—	1.1	0.0	*	*
American Samoa.....	---	---	---	---	---	---	---	---
Northern Marianas.....	5	—	—	—	0.9	*	*	*

— Quantity zero.

* Estimate does not meet NCHS standards of reliability.

--- Data not available.

0.0 Equals zero events in the numerator or percentage of less than 0.05%.

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

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

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

⁴Excludes data for the territories.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-23. Twin and triplet or higher-order multiple births, by state: United States and each state, 2016–2018

Area	Twin		Area	Triplet or higher order ¹	
	Number	Rate per 1,000 live births		Number	Rate per 100,000 live births
United States	383,569	33.1	United States	11,445	98.7
Alabama	6,265	35.6	Alabama	285	162.1
Alaska	1,001	31.5	Alaska	24	75.6
Arizona	7,709	31.2	Arizona	260	105.2
Arkansas	3,410	30.2	Arkansas	88	78.0
California	43,414	30.7	California	1,180	83.4
Colorado	6,021	31.1	Colorado	147	75.8
Connecticut	4,202	39.7	Connecticut	108	101.9
Delaware	999	30.8	Delaware	6	18.5
District of Columbia	1,060	37.0	District of Columbia	13	45.4
Florida	21,356	31.9	Florida	490	73.1
Georgia	13,008	33.7	Georgia	383	99.4
Hawaii	1,698	32.3	Hawaii	64	121.8
Idaho	2,107	31.9	Idaho	52	78.7
Illinois	16,211	36.1	Illinois	505	112.6
Indiana	8,103	32.8	Indiana	314	127.2
Iowa	3,864	33.4	Iowa	120	103.8
Kansas	3,479	31.4	Kansas	67	60.5
Kentucky	5,571	33.9	Kentucky	146	89.0
Louisiana	6,285	34.2	Louisiana	218	118.6
Maine	1,170	31.4	Maine	43	115.2
Maryland	7,329	34.0	Maryland	248	114.9
Massachusetts	7,467	35.4	Massachusetts	209	99.0
Michigan	12,351	36.9	Michigan	386	115.3
Minnesota	7,018	34.1	Minnesota	182	88.5
Mississippi	3,713	33.1	Mississippi	125	111.3
Missouri	7,802	35.3	Missouri	254	114.9
Montana	1,081	30.4	Montana	18	50.6
Nebraska	2,745	35.2	Nebraska	143	183.6
Nevada	3,241	30.1	Nevada	73	67.8
New Hampshire	1,204	33.1	New Hampshire	37	101.7
New Jersey	10,999	36.0	New Jersey	313	102.6
New Mexico	1,815	25.4	New Mexico	53	74.1
New York	24,404	35.4	New York	756	109.5
North Carolina	12,240	34.0	North Carolina	378	105.0
North Dakota	1,081	33.0	North Dakota	38	116.0
Ohio	14,147	34.5	Ohio	471	114.9
Oklahoma	4,806	31.5	Oklahoma	106	69.5
Oregon	4,480	34.1	Oregon	117	89.1
Pennsylvania	13,842	33.5	Pennsylvania	380	92.0
Rhode Island	1,121	35.1	Rhode Island	42	131.5
South Carolina	5,873	34.3	South Carolina	151	88.3
South Dakota	1,280	35.3	South Dakota	38	104.7
Tennessee	7,803	32.2	Tennessee	260	107.2
Texas	36,034	31.1	Texas	1,148	99.1
Utah	5,124	35.0	Utah	176	120.3
Vermont	541	32.1	Vermont	11	65.3
Virginia	10,312	34.1	Virginia	307	101.4
Washington	7,757	29.4	Washington	233	88.2
West Virginia	1,726	30.8	West Virginia	52	92.9
Wisconsin	6,703	34.3	Wisconsin	201	102.7
Wyoming	597	28.6	Wyoming	26	124.7

¹Includes triplet and quadruplet and other higher-order multiple births.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I-24. Abnormal conditions of the newborn, by age (years) and race and Hispanic origin of mother: United States, 2018

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

Abnormal condition and race and Hispanic origin of mother	All births	Condition reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated ¹
All races and origins²										
Assisted ventilation required immediately following delivery	3,791,712	170,764	45.1	47.9	44.8	43.5	43.8	47.8	55.4	3,394
Assisted ventilation required for more than 6 hours	3,791,712	58,503	15.4	15.7	15.1	14.8	14.9	16.8	21.1	3,394
NICU admission ³	3,791,712	346,812	91.5	94.4	87.9	86.7	88.9	101.6	127.8	3,394
Surfactant replacement therapy given to newborn	3,791,712	17,703	4.7	5.0	4.8	4.5	4.4	4.9	6.3	3,394
Antibiotics received by newborn for suspected neonatal sepsis	3,791,712	81,016	21.4	27.1	23.2	21.0	19.8	20.7	23.0	3,394
Seizure or serious neurologic dysfunction	3,791,712	1,325	0.3	0.5	0.4	0.3	0.3	0.4	0.4	3,394
Non-Hispanic, single-race⁴										
White:										
Assisted ventilation required immediately following delivery	1,956,413	94,591	48.4	55.8	49.4	46.9	46.2	50.8	59.3	1,503
Assisted ventilation required for more than 6 hours	1,956,413	32,300	16.5	18.4	16.7	15.9	15.6	17.7	22.7	1,503
NICU admission ³	1,956,413	166,985	85.4	87.7	81.7	81.3	83.1	94.6	121.4	1,503
Surfactant replacement therapy given to newborn	1,956,413	9,405	4.8	6.0	5.0	4.7	4.4	5.0	6.5	1,503
Antibiotics received by newborn for suspected neonatal sepsis	1,956,413	39,997	20.5	24.5	22.1	20.3	19.3	20.1	23.0	1,503
Seizure or serious neurologic dysfunction	1,956,413	801	0.4	0.8	0.4	0.4	0.4	0.4	0.6	1,503
Black:										
Assisted ventilation required immediately following delivery	552,029	30,256	54.9	52.7	51.0	52.5	56.3	62.2	73.4	438
Assisted ventilation required for more than 6 hours	552,029	10,760	19.5	17.5	17.8	18.6	20.6	22.3	27.6	438
NICU admission ³	552,029	67,728	122.8	115.7	112.6	116.1	126.4	145.8	168.8	438
Surfactant replacement therapy given to newborn	552,029	3,777	6.8	6.0	6.8	6.5	6.7	7.9	9.3	438
Antibiotics received by newborn for suspected neonatal sepsis	552,029	14,753	26.7	29.8	26.5	26.3	25.4	28.6	29.1	438
Seizure or serious neurologic dysfunction	552,029	205	0.4	0.5	0.4	0.3	0.3	0.4	0.7	438
Hispanic⁵										
Assisted ventilation required immediately following delivery	886,210	30,281	34.2	36.0	33.0	32.0	33.9	38.2	43.2	751
Assisted ventilation required for more than 6 hours	886,210	10,402	11.7	11.8	11.1	11.0	11.5	13.5	17.3	751
NICU admission ³	886,210	77,000	87.0	88.6	81.3	80.5	87.0	100.5	123.3	751
Surfactant replacement therapy given to newborn	886,210	3,074	3.5	3.3	3.4	3.1	3.5	3.9	5.2	751
Antibiotics received by newborn for suspected neonatal sepsis	886,210	17,798	20.1	27.5	22.2	18.6	18.0	18.9	21.3	751
Seizure or serious neurologic dysfunction	886,210	200	0.2	0.3	0.3	0.2	0.2	0.2	0.1	751

¹No response reported for selected characteristic.

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

³NICU is newborn intensive care unit.

⁴Race 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 report. Single race is defined as only one race reported on the birth certificate.

⁵Includes all persons of Hispanic origin of any race.

SOURCE: NCHS, National Vital Statistics System, Natality.

Table I–25. Congenital anomalies of the newborn, by age (years) of mother: United States, 2018

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

Congenital anomaly	All births	Congenital anomalies reported	All ages	Under 20	20–24	25–29	30–34	35–39	40–54	Not stated ¹
Anencephaly	3,791,712	354	9.4	10.5	11.7	9.8	8.2	7.6	7.9	6,044
Menigocele or spina bifida	3,791,712	555	14.7	14.3	15.4	16.0	12.5	15.0	15.8	6,044
Cyanotic congenital heart disease	3,791,712	2,213	58.5	56.3	57.8	55.3	55.3	65.2	90.0	6,044
Congenital diaphragmatic hernia	3,791,712	471	12.4	12.7	12.3	12.7	11.9	13.6	10.3	6,044
Omphalocele	3,791,712	406	10.7	12.1	11.9	9.8	9.8	9.7	22.1	6,044
Gastroschisis	3,791,712	830	21.9	82.7	46.2	20.9	7.7	4.9	3.2	6,044
Limb reduction defect	3,791,712	487	12.9	14.9	13.7	12.3	11.7	13.6	17.4	6,044
Cleft lip with or without cleft palate	3,791,712	2,050	54.2	54.6	59.7	54.9	48.8	53.5	63.1	6,044
Cleft palate alone	3,791,712	920	24.3	22.6	27.3	26.9	22.5	19.8	22.9	6,044
Down syndrome	3,791,712	2,106	55.6	28.7	25.9	29.1	38.5	111.2	393.8	6,044
Suspected chromosomal disorder	3,791,712	1,724	45.5	36.4	38.3	35.4	39.8	61.9	164.1	6,044
Hypospadias ²	3,791,712	2,235	59.0	46.3	55.9	56.3	63.4	62.9	63.9	6,044
Males only ³	1,938,177	2,235	115.5	90.4	109.4	110.1	124.2	122.9	125.8	3,083

¹No response reported for selected characteristic.²Denominator includes both male and female births.³Denominator includes male births only.

SOURCE: NCHS, National Vital Statistics System, Natality.