

# Births: Final Data for 2019

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**Table I-1. Time of birth, by day of week of birth and race and Hispanic origin of mother: United States, 2019**

[Percentages are number 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
<b>All races and origins<sup>1</sup></b>		<b>Percent</b>						
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. . . . .	17.8	22.7	14.2	16.6	17.0	16.9	17.3	23.4
6:00 a.m.–11:59 a.m. . . . .	28.8	26.9	29.7	29.3	28.8	28.7	29.7	26.9
12:00 p.m.–5:59 p.m. . . . .	30.5	27.0	32.4	31.3	31.3	31.3	30.8	26.8
6:00 p.m.–11:59 p.m. . . . .	23.0	23.4	23.8	22.8	22.9	23.1	22.2	22.8
		<b>Number</b>						
Total . . . . .	3,747,540	361,337	566,476	613,131	594,310	598,810	594,826	418,650
Not stated <sup>2</sup> . . . . .	220	29	39	27	24	33	29	39
<b>Non-Hispanic, single race<sup>3</sup></b>		<b>Percent</b>						
<b>White:</b>								
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. . . . .	17.3	22.8	13.3	16.0	16.4	16.3	16.6	23.9
6:00 a.m.–11:59 a.m. . . . .	28.7	26.4	29.8	29.4	28.7	28.6	30.0	26.4
12:00 p.m.–5:59 p.m. . . . .	30.9	26.9	33.1	31.8	31.9	31.9	31.3	26.6
6:00 p.m.–11:59 p.m. . . . .	23.1	23.9	23.9	22.8	23.0	23.1	22.1	23.1
		<b>Number</b>						
Total . . . . .	1,915,912	174,214	294,456	318,141	307,644	310,559	307,858	203,040
Not stated <sup>2</sup> . . . . .	108	18	16	14	14	15	9	22
<b>Black:</b>		<b>Percent</b>						
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. . . . .	18.3	23.0	14.6	17.0	17.5	17.5	17.9	23.7
6:00 a.m.–11:59 a.m. . . . .	28.4	27.0	29.3	28.8	28.6	28.5	29.3	26.5
12:00 p.m.–5:59 p.m. . . . .	30.4	26.9	32.5	31.4	31.1	30.9	30.7	26.9
6:00 p.m.–11:59 p.m. . . . .	22.9	23.1	23.6	22.9	22.8	23.2	22.1	22.9
		<b>Number</b>						
Total . . . . .	548,075	54,348	81,592	89,967	86,838	86,435	86,058	62,837
Not stated <sup>2</sup> . . . . .	26	1	4	7	1	6	5	2
<b>Hispanic<sup>4</sup></b>		<b>Percent</b>						
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	22.3	15.1	17.0	17.3	17.3	17.8	22.5
6:00 a.m.–11:59 a.m. . . . .	29.2	27.6	29.9	29.7	29.3	29.1	29.8	28.0
12:00 p.m.–5:59 p.m. . . . .	30.0	27.4	31.5	30.6	30.7	30.7	30.3	27.4
6:00 p.m.–11:59 p.m. . . . .	22.7	22.8	23.5	22.7	22.7	22.9	22.1	22.1
		<b>Number</b>						
Total . . . . .	886,467	91,320	132,083	142,458	137,979	139,367	138,318	104,942
Not stated <sup>2</sup> . . . . .	30	4	5	4	2	3	7	5

<sup>1</sup>Includes 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.<sup>2</sup>No response reported for time of birth; see Technical Notes in report.<sup>3</sup>Race 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.<sup>4</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table 1–2. Births, and seasonally adjusted birth rates, by month: United States, 2019**

[Rates 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 <sup>1</sup>	
		Birth rate	Fertility rate	Birth rate	Fertility rate
Total .....	3,747,540	11.4	58.3	...	...
January .....	310,872	11.2	57.0	12.5	63.3
February.....	279,963	11.1	56.8	12.5	63.2
March.....	304,237	10.9	55.8	12.4	63.0
April.....	298,947	11.1	56.6	12.4	63.0
May.....	316,386	11.4	58.0	12.4	62.9
June.....	304,092	11.3	57.5	12.4	62.6
July.....	333,646	12.0	61.1	12.4	62.8
August.....	341,685	12.3	62.5	12.3	62.6
September.....	325,781	12.1	61.6	12.3	62.4
October.....	325,043	11.6	59.4	12.3	62.4
November.....	298,086	11.0	56.3	12.2	61.7
December.....	308,802	11.1	56.4	12.2	62.3

... Category not applicable.

<sup>1</sup>Method 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, D.C. 1967. Available from: <https://www.census.gov/ts/papers/ShiskinYoungMusgrave1967.pdf>).

NOTES: Monthly population estimates for 2019 were provided by the U.S. Census Bureau (U.S. Census Bureau, Population Division, 2019 monthly national population estimates by age, sex, race, and Hispanic origin, and population universe for the United States: April 1, 2010 to December 1, 2019, monthly postcensal resident population (NC-EST2019-ALLDATA). Available from: <https://www.census.gov/data/tables/time-series/demo/popest/2010s-national-detail.html>).

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-3. Births, by day of week and method of delivery:  
United States, 2019**

Day of week	Average number of births	Index of occurrence <sup>1</sup>		
		Total <sup>2</sup>	Method of delivery	
			Vaginal	Cesarean
Total . . . . .	10,267	100.0	100.0	100.0
Sunday . . . . .	6,949	67.7	76.2	49.4
Monday . . . . .	10,894	106.1	100.1	119.1
Tuesday . . . . .	11,569	112.7	109.4	119.7
Wednesday . . . . .	11,429	111.3	109.4	115.5
Thursday . . . . .	11,516	112.2	110.3	116.1
Friday . . . . .	11,439	111.4	106.9	121.1
Saturday . . . . .	8,051	78.4	87.5	58.9

<sup>1</sup>Ratio 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.

<sup>2</sup>Includes method of delivery not stated.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-4. Births, by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2019**

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		
<b>All races and origins<sup>1</sup></b>									
Total	3,747,540	3,312,404	2,997,404	315,000	400,772	368,362	32,410	32,123	2,241
In hospital <sup>2</sup>	3,685,028	3,309,514	2,994,826	314,688	354,887	348,166	6,721	19,547	1,080
Not in hospital	62,394	2,853	2,543	310	45,869	20,190	25,679	12,531	1,141
Freestanding birthing center	20,043	764	657	107	17,894	10,592	7,302	1,317	68
Clinic or doctor's office	550	122	105	17	404	269	135	20	4
Residence	38,506	1,413	1,286	127	26,620	9,128	17,492	9,647	826
Other	3,295	554	495	59	951	201	750	1,547	243
Not specified	118	37	35	2	16	6	10	45	20
<b>Non-Hispanic, single race<sup>3</sup></b>									
<b>White:</b>									
Total	1,915,912	1,674,014	1,487,523	186,491	223,581	199,452	24,129	17,267	1,050
In hospital <sup>2</sup>	1,868,357	1,672,376	1,486,090	186,286	186,567	183,097	3,470	8,949	465
Not in hospital	47,499	1,624	1,420	204	37,000	16,351	20,649	8,296	579
Freestanding birthing center	15,334	584	496	88	13,680	8,286	5,394	1,019	51
Clinic or doctor's office	437	71	58	13	360	247	113	3	3
Residence	29,768	697	626	71	22,088	7,665	14,423	6,566	417
Other	1,960	272	240	32	872	153	719	708	108
Not specified	56	14	13	1	14	4	10	22	6
<b>Black:</b>									
Total	548,075	494,148	460,666	33,482	48,846	46,864	1,982	4,703	378
In hospital <sup>2</sup>	543,605	493,541	460,094	33,447	46,697	45,778	919	3,149	218
Not in hospital	4,442	594	559	35	2,148	1,085	1,063	1,540	160
Freestanding birthing center	1,292	44	42	2	1,172	689	483	68	8
Clinic or doctor's office	27	16	14	2	10	5	5	1	–
Residence	2,724	417	394	23	943	375	568	1,230	134
Other	399	117	109	8	23	16	7	241	18
Not specified	28	13	13	–	1	1	–	14	–
<b>Hispanic<sup>4</sup></b>									
Total	886,467	792,282	726,265	66,017	86,933	82,766	4,167	6,780	472
In hospital <sup>2</sup>	880,505	791,900	725,926	65,974	83,016	81,201	1,815	5,364	225
Not in hospital	5,949	374	332	42	3,916	1,564	2,352	1,412	247
Freestanding birthing center	2,151	89	79	10	1,920	973	947	138	4
Clinic or doctor's office	33	10	9	1	18	6	12	4	1
Residence	3,280	164	145	19	1,945	567	1,378	1,002	169
Other	485	111	99	12	33	18	15	268	73
Not specified	13	8	7	1	1	1	–	4	–

– Quantity zero.

<sup>1</sup>Includes 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.<sup>2</sup>Includes births occurring en route to or on arrival at hospital.<sup>3</sup>Race 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.<sup>4</sup>Includes all persons of Hispanic origin of any race; see Technical Notes.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-5. Births occurring at home, by state:  
United States and each state, 2019**

[By place of residence]

Area	Number	Percent
United States .....	38,506	1.0
Alabama .....	243	0.4
Alaska .....	195	2.0
Arizona .....	706	0.9
Arkansas .....	326	0.9
California .....	3,081	0.7
Colorado .....	899	1.4
Connecticut .....	217	0.6
Delaware .....	66	0.6
District of Columbia .....	72	0.8
Florida .....	2,052	0.9
Georgia .....	744	0.6
Hawaii .....	319	1.9
Idaho .....	619	2.8
Illinois .....	819	0.6
Indiana .....	1,160	1.4
Iowa .....	507	1.3
Kansas .....	494	1.4
Kentucky .....	680	1.3
Louisiana .....	153	0.3
Maine .....	222	1.9
Maryland .....	533	0.8
Massachusetts .....	395	0.6
Michigan .....	1,534	1.4
Minnesota .....	800	1.2
Mississippi .....	169	0.5
Missouri .....	1,071	1.5
Montana .....	263	2.4
Nebraska .....	93	0.4
Nevada .....	573	1.6
New Hampshire .....	163	1.4
New Jersey .....	415	0.4
New Mexico .....	274	1.2
New York .....	2,458	1.1
North Carolina .....	716	0.6
North Dakota .....	120	1.1
Ohio .....	1,599	1.2
Oklahoma .....	505	1.0
Oregon .....	865	2.1
Pennsylvania .....	2,606	1.9
Rhode Island .....	48	0.5
South Carolina .....	361	0.6
South Dakota .....	89	0.8
Tennessee .....	956	1.2
Texas .....	2,618	0.7
Utah .....	1,027	2.2
Vermont .....	125	2.3
Virginia .....	941	1.0
Washington .....	1,745	2.1
West Virginia .....	136	0.7
Wisconsin .....	1,604	2.5
Wyoming .....	130	2.0

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I–6. Mean age of mother, by live-birth order: United States, 2010–2019, and by race and Hispanic origin of mother, United States, 2016–2019**

[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		
<b>All races and origins<sup>1</sup></b>		<b>Age</b>								
2019.....	29.1	27.0	29.5	30.6	31.6	32.6	33.8	36.1	29.5	
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	
<b>Non-Hispanic, single race<sup>2</sup></b>										
<b>White:</b>										
2019.....	29.6	27.8	30.0	30.9	31.8	32.7	34.1	36.9	30.0	
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	
<b>Black:</b>										
2019.....	28.0	25.2	28.1	29.7	30.8	31.6	32.7	35.0	28.7	
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	
<b>American Indian or Alaska Native:</b>										
2019.....	27.1	23.5	26.5	28.6	30.0	31.2	32.9	34.9	27.0	
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	
<b>Asian:</b>										
2019.....	32.0	30.7	32.7	33.6	34.1	34.5	35.3	36.6	32.3	
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	
<b>Native Hawaiian or Other Pacific Islander:</b>										
2019.....	28.1	24.8	27.3	29.0	30.4	31.7	33.2	35.7	26.6	
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	
<b>Hispanic<sup>3</sup></b>										
2019.....	28.2	25.1	28.1	30.2	31.8	33.1	34.3	35.6	28.5	
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	

<sup>1</sup>Includes 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.

<sup>2</sup>Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1997 Office of Management and Budget standards; see Technical Notes in report. Single race is defined as only one race reported on the birth certificate.

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

SOURCE: National Center for Health Statistics, 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, 2019**

[By place of residence]

Area	Births to unmarried women				Percent unmarried			
	All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
United States <sup>4</sup>	1,498,113	540,982	383,776	461,730	40.0	28.2	70.0	52.1
Alabama	28,338	10,750	14,434	2,343	48.3	32.2	79.3	47.7
Alaska	3,564	990	97	266	36.3	20.4	33.4	33.8
Arizona	35,880	9,691	2,804	18,668	45.2	30.3	61.7	55.5
Arkansas	17,107	8,142	5,708	2,074	46.8	35.3	81.6	50.7
California	166,234	25,753	14,277	105,584	37.2	21.3	63.8	51.8
Colorado	14,705	5,930	1,155	6,329	23.4	16.5	37.9	34.8
Connecticut	12,602	4,033	2,651	5,359	36.8	22.0	62.8	61.4
Delaware	4,974	1,697	1,983	1,037	47.1	33.8	70.7	59.7
District of Columbia	4,204	179	3,219	699	46.3	6.0	77.9	51.6
Florida	102,543	33,488	31,946	34,279	46.6	35.8	66.9	50.2
Georgia	57,656	15,374	30,791	9,076	45.6	28.0	70.4	49.3
Hawaii	6,444	552	64	1,205	38.4	17.1	14.9	46.5
Idaho	5,984	3,849	73	1,649	27.1	22.7	28.0	44.5
Illinois	55,336	19,199	18,289	15,632	39.5	25.8	78.6	51.9
Indiana	35,180	21,158	7,892	4,734	43.5	36.3	77.0	56.2
Iowa	13,196	8,595	1,816	1,908	35.1	29.6	64.2	51.6
Kansas	12,883	7,181	1,682	3,210	36.4	29.3	68.4	52.9
Kentucky	22,427	16,197	3,537	1,760	42.3	38.4	70.3	51.0
Louisiana	31,799	10,239	17,875	2,883	54.0	34.6	80.9	57.7
Maine	4,516	3,971	156	120	38.3	38.2	28.8	46.7
Maryland	28,398	6,924	12,909	7,161	40.5	24.0	60.1	55.6
Massachusetts	22,386	9,253	3,429	7,988	32.4	23.6	50.1	56.5
Michigan	44,205	22,145	16,326	3,588	41.0	30.3	80.1	50.4
Minnesota	21,124	10,237	4,223	2,725	32.0	23.0	51.2	53.1
Mississippi	20,104	6,062	12,654	962	54.9	33.3	80.6	56.3
Missouri	29,122	16,863	8,067	2,267	40.4	32.1	76.8	51.7
Montana	3,857	2,461	25	259	34.8	28.0	41.0	42.0
Nebraska	8,334	4,185	1,033	2,316	33.7	24.7	62.5	53.3
Nevada	16,887	4,235	3,324	7,367	48.1	33.9	73.6	55.7
New Hampshire	3,746	3,172	81	359	31.6	31.5	31.8	46.6
New Jersey	33,414	7,740	8,776	15,355	33.6	17.1	65.5	56.0
New Mexico	11,816	1,996	185	7,320	51.5	32.1	52.1	56.6
New York	83,049	26,055	21,146	30,109	37.5	23.8	65.9	59.8
North Carolina	49,341	16,461	19,994	9,525	41.6	26.5	72.1	49.9
North Dakota	3,360	1,836	275	308	32.1	24.3	42.2	47.3
Ohio	58,595	33,670	17,043	4,583	43.6	35.2	75.6	59.3
Oklahoma	21,436	9,668	2,962	3,839	43.6	35.2	72.2	49.8
Oregon	15,054	8,809	519	4,093	36.0	31.9	51.5	50.0
Pennsylvania	54,854	26,973	13,281	10,773	40.9	30.4	75.5	64.4
Rhode Island	4,522	1,882	522	1,743	44.4	33.8	62.4	59.7
South Carolina	26,614	9,583	12,896	2,959	46.7	30.3	76.8	51.5
South Dakota	4,144	1,959	148	356	36.2	24.0	35.6	55.5
Tennessee	35,429	17,291	12,407	4,405	44.0	33.1	77.7	52.2
Texas	156,335	32,466	29,842	89,995	41.4	26.0	63.1	50.1
Utah	8,996	4,451	221	3,131	19.2	13.3	38.1	38.5
Vermont	2,133	1,938	51	52	39.8	39.9	38.3	41.9
Virginia	34,195	12,493	13,056	7,300	35.1	23.6	64.2	50.5
Washington	26,588	12,182	1,675	7,811	31.3	25.7	43.9	48.3
West Virginia	8,474	7,459	467	193	46.7	45.3	75.3	50.4
Wisconsin	23,821	12,036	5,762	3,684	37.6	26.9	84.0	57.0
Wyoming	2,208	1,529	28	389	33.6	29.6	45.9	46.4

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, 2019—Con.**

[By place of residence]

Area	Births to unmarried women				Percent unmarried			
	All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
Puerto Rico . . . . .	14,093	248	28	13,800	69.2	60.6	71.8	69.5
Virgin Islands . . . . .	---	---	---	---	---	---	---	---
Guam . . . . .	1,810	25	7	5	59.5	13.6	*	*
American Samoa . . . . .	---	---	---	---	---	---	---	---
Northern Marianas . . . . .	412	—	—	1	60.1	*	*	*

\* Estimate does not meet National Center for Health Statistics standards of reliability.

--- Data not available.

— Quantity zero.

<sup>1</sup>Includes 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.<sup>2</sup>Race 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.<sup>3</sup>Includes all persons of Hispanic origin of any race; see Technical Notes.<sup>4</sup>Excludes data for the territories.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-8. Educational attainment of mother, by age and race and Hispanic origin of mother: United States, 2019**

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 <sup>1</sup>				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma . . . . .	12.3	47.3	16.4	10.0	7.8	9.3	12.7
8th grade or less . . . . .	3.1	4.7	3.0	2.5	2.7	4.0	6.5
9th-12th grade with no diploma . . . . .	9.1	42.6	13.4	7.4	5.1	5.2	6.2
High school graduate <sup>2</sup> . . . . .	26.1	43.0	45.8	27.8	16.5	14.4	15.3
Some college credit, but no degree . . . . .	19.7	9.2	26.2	23.7	16.6	14.5	14.3
Associate's degree <sup>3</sup> . . . . .	8.4	0.5	5.9	10.3	9.3	8.5	8.2
Bachelor's degree <sup>4</sup> . . . . .	20.9	0.0	5.3	21.1	29.5	28.7	25.8
Master's degree <sup>5</sup> . . . . .	9.7	0.0	0.4	6.1	15.8	18.1	16.9
Doctorate or professional degree <sup>6</sup> . . . . .	2.8	0.0	0.0	1.0	4.5	6.5	6.8
				Number			
All births . . . . .	3,747,540	173,461	704,342	1,078,097	1,089,281	572,598	129,761
Not stated <sup>7</sup> . . . . .	54,127	2,215	7,843	13,717	16,081	10,579	3,692
Non-Hispanic, single race <sup>8</sup>				Percent			
White:							
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma . . . . .	6.9	42.5	13.4	5.8	3.2	3.1	4.1
8th grade or less . . . . .	1.4	2.9	2.1	1.4	0.9	1.1	1.9
9th-12th grade with no diploma . . . . .	5.5	39.5	11.3	4.5	2.3	2.0	2.2
High school graduate <sup>2</sup> . . . . .	21.4	46.3	44.1	23.2	12.3	10.5	11.5
Some college credit, but no degree . . . . .	18.9	10.6	27.4	22.8	15.1	13.5	14.0
Associate's degree <sup>3</sup> . . . . .	9.5	0.6	7.3	11.8	9.9	8.9	8.8
Bachelor's degree <sup>4</sup> . . . . .	26.9	0.0	7.1	27.2	35.3	34.1	31.7
Master's degree <sup>5</sup> . . . . .	12.7	0.0	0.6	7.8	19.0	22.2	21.6
Doctorate or professional degree <sup>6</sup> . . . . .	3.6	0.0	0.0	1.4	5.3	7.7	8.4
				Number			
All births . . . . .	1,915,912	60,854	313,275	556,533	618,176	305,886	61,188
Not stated <sup>7</sup> . . . . .	11,053	351	1,603	2,993	3,418	2,092	596
Black:				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma . . . . .	12.5	44.7	12.6	9.6	9.1	9.0	10.0
8th grade or less . . . . .	1.5	2.4	0.7	1.1	1.8	2.3	3.3
9th-12th grade with no diploma . . . . .	11.1	42.3	11.9	8.5	7.3	6.8	6.7
High school graduate <sup>2</sup> . . . . .	36.5	45.6	51.6	37.0	26.9	22.4	21.8
Some college credit, but no degree . . . . .	25.1	9.3	27.4	28.8	25.1	21.6	19.0
Associate's degree <sup>3</sup> . . . . .	7.9	0.4	4.3	8.8	10.8	11.2	10.7
Bachelor's degree <sup>4</sup> . . . . .	11.7	0.0	3.9	12.2	17.5	19.5	19.8
Master's degree <sup>5</sup> . . . . .	5.1	0.0	0.2	3.2	8.8	12.9	14.5
Doctorate or professional degree <sup>6</sup> . . . . .	1.1	0.0	0.0	0.4	1.9	3.4	4.2
				Number			
All births . . . . .	548,075	37,248	132,605	165,655	126,332	68,219	18,016
Not stated <sup>7</sup> . . . . .	4,980	320	972	1,397	1,272	784	235

See footnotes at end of table.

**Table I-8. Educational attainment of mother, by age and race and Hispanic origin of mother: United States, 2019—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 <sup>9</sup>				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12th grade or less with no diploma . . . . .	25.2	53.3	23.2	19.6	22.4	28.0	35.1
8th grade or less . . . . .	8.6	8.2	5.9	6.3	9.4	14.1	19.5
9th–12th grade with no diploma . . . . .	16.6	45.1	17.3	13.3	13.0	13.9	15.6
High school graduate <sup>2</sup> . . . . .	33.2	38.6	45.4	34.0	25.9	22.8	21.8
Some college credit, but no degree . . . . .	19.9	7.6	23.4	23.9	18.8	15.3	13.5
Associate's degree <sup>3</sup> . . . . .	6.7	0.5	4.7	8.4	8.3	7.3	6.4
Bachelor's degree <sup>4</sup> . . . . .	10.7	0.0	3.1	11.5	16.8	16.5	13.5
Master's degree <sup>5</sup> . . . . .	3.4	0.0	0.2	2.2	6.2	7.8	7.3
Doctorate or professional degree <sup>6</sup> . . . . .	0.9	0.0	0.0	0.4	1.6	2.3	2.4
				Number			
All births . . . . .	886,467	63,396	207,552	256,385	209,283	118,441	31,410
Not stated <sup>7</sup> . . . . .	12,327	905	2,405	3,269	3,044	1,981	723

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

<sup>1</sup>Includes 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.

<sup>2</sup>Includes GED.

<sup>3</sup>Includes Associate in Arts and Associate in Science.

<sup>4</sup>Includes Bachelor in Arts and Bachelor in Science.

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

<sup>6</sup>Includes Doctor of Philosophy, Doctor of Education, Doctor of Medicine, Doctor of Dental Surgery, Doctor of Veterinary Medicine, Doctor of Laws, and Juris Doctor.

<sup>7</sup>No response reported for educational attainment of mother item; see Technical Notes in report.

<sup>8</sup>Race 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.

<sup>9</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-9. Maternal prepregnancy body mass index, by age and race and Hispanic origin of mother: United States, 2019**

BMI category <sup>1</sup> 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 <sup>2</sup>				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5) . . . . .	3.0	7.0	4.6	2.9	2.3	2.0	1.6
Normal weight (BMI of 18.5 to 24.9) . . . . .	41.0	48.6	40.1	39.2	42.6	41.1	38.2
Overweight (BMI of 25.0 to 29.9) . . . . .	26.9	23.9	25.7	26.9	27.2	28.0	29.8
Obese (BMI of 30.0 and over) . . . . .	29.0	20.5	29.6	30.9	27.9	29.0	30.4
				Number			
Total . . . . .	3,747,540	173,461	704,342	1,078,097	1,089,281	572,598	129,761
Not stated <sup>3</sup> . . . . .	86,280	4,623	15,904	23,734	24,489	13,941	3,589
Non-Hispanic, single race <sup>4</sup>				Percent			
White:							
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5) . . . . .	3.0	8.3	4.9	2.9	2.2	2.0	1.8
Normal weight (BMI of 18.5 to 24.9) . . . . .	44.8	48.2	41.8	43.2	47.0	45.9	43.7
Overweight (BMI of 25.0 to 29.9) . . . . .	25.6	22.3	24.3	25.8	25.9	26.3	27.4
Obese (BMI of 30.0 and over) . . . . .	26.6	21.2	28.9	28.1	24.9	25.8	27.1
				Number			
Total . . . . .	1,915,912	60,854	313,275	556,533	618,176	305,886	61,188
Not stated <sup>3</sup> . . . . .	35,156	999	5,031	9,500	11,805	6,415	1,406
Black:				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5) . . . . .	2.9	6.3	4.6	2.7	1.7	1.2	1.0
Normal weight (BMI of 18.5 to 24.9) . . . . .	31.2	48.5	38.2	30.2	25.8	23.0	21.5
Overweight (BMI of 25.0 to 29.9) . . . . .	26.7	23.4	24.6	26.2	28.3	29.9	31.5
Obese (BMI of 30.0 and over) . . . . .	39.1	21.8	32.5	40.9	44.2	45.9	46.0
				Number			
Total . . . . .	548,075	37,248	132,605	165,655	126,332	68,219	18,016
Not stated <sup>3</sup> . . . . .	16,149	1,211	3,711	4,841	3,654	2,123	609
Hispanic <sup>5</sup>				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Underweight (BMI less than 18.5) . . . . .	2.3	6.0	3.7	2.0	1.3	1.0	0.7
Normal weight (BMI of 18.5 to 24.9) . . . . .	34.5	49.4	38.0	32.9	32.2	29.8	27.8
Overweight (BMI of 25.0 to 29.9) . . . . .	30.8	25.7	28.7	30.8	32.1	33.4	35.3
Obese (BMI of 30.0 and over) . . . . .	32.4	18.9	29.6	34.3	34.4	35.8	36.1
				Number			
Total . . . . .	886,467	63,396	207,552	256,385	209,283	118,441	31,410
Not stated <sup>3</sup> . . . . .	23,360	2,007	5,480	6,241	5,464	3,207	961

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

<sup>2</sup>Includes 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.

<sup>3</sup>No response reported for component measures for prepregnancy BMI; see Technical Notes.

<sup>4</sup>Race 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.

<sup>5</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-10. Live births by interval since last live birth, by age and race and Hispanic origin of mother: United States, 2019**

Interval (months) 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
<b>All races<sup>1</sup></b>				<b>Percent</b>			
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries) .....	2.1	4.1	2.0	1.9	2.1	2.2	2.5
4-11 months .....	1.5	7.7	3.3	1.5	0.9	0.7	0.5
12-17 months .....	8.0	27.8	16.3	8.9	5.8	4.4	3.2
18-23 months .....	12.5	21.5	18.0	13.4	11.6	9.4	6.8
24-35 months .....	23.2	24.0	25.7	23.0	24.5	21.0	15.7
36-47 months .....	15.1	10.0	15.5	15.0	15.6	15.0	12.0
48-59 months .....	10.2	3.7	9.6	11.1	10.0	10.1	9.1
60-71 months .....	7.0	0.9	5.1	8.2	6.9	7.2	7.2
72 months and over .....	20.4	0.3	4.5	17.0	22.5	30.0	43.1
				<b>Number</b>			
All births .....	2,336,035	27,281	328,453	675,703	757,647	444,344	102,607
Not stated <sup>2</sup> .....	128,711	2,344	16,950	34,242	41,224	26,594	7,357
Median (months) .....	37	20	28	36	39	45	60
<b>Non-Hispanic, single race<sup>3</sup></b>				<b>Percent</b>			
<b>White:</b>							
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries) .....	2.2	4.3	1.9	2.1	2.3	2.4	2.5
4-11 months .....	1.1	7.6	2.8	1.2	0.8	0.6	0.5
12-17 months .....	7.6	29.8	16.8	8.7	5.5	4.3	3.5
18-23 months .....	14.3	22.5	20.3	15.8	13.5	10.8	8.2
24-35 months .....	27.6	23.3	28.0	27.3	29.8	25.5	19.6
36-47 months .....	16.4	9.0	15.0	15.6	17.4	17.3	14.2
48-59 months .....	9.6	2.8	8.3	10.0	9.4	10.5	9.9
60-71 months .....	6.0	0.6	3.9	6.8	5.7	6.7	7.3
72 months and over .....	15.1	0.2	2.9	12.4	15.6	21.9	34.3
				<b>Number</b>			
All births .....	1,167,995	9,058	140,097	326,203	414,730	231,302	46,605
Not stated <sup>2</sup> .....	59,021	736	6,678	15,174	20,660	12,696	3,077
Median (months) .....	34	20	26	33	34	39	49
<b>Black:</b>							
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries) .....	2.5	5.3	2.8	2.3	2.4	2.3	2.5
4-11 months .....	2.4	9.2	4.5	2.4	1.5	1.1	0.6
12-17 months .....	10.6	28.4	19.0	10.8	7.7	5.6	3.6
18-23 months .....	11.3	20.2	17.1	11.4	9.6	8.2	6.1
24-35 months .....	17.7	22.3	23.1	17.9	16.1	14.5	11.8
36-47 months .....	12.8	9.2	14.5	13.6	12.0	11.2	10.0
48-59 months .....	10.0	3.9	9.1	11.6	9.8	9.0	8.1
60-71 months .....	7.6	1.2	5.1	9.1	7.9	7.6	7.0
72 months and over .....	25.2	0.4	4.8	20.8	33.0	40.6	50.3
				<b>Number</b>			
All births .....	358,268	6,169	64,311	117,738	99,119	56,149	14,782
Not stated <sup>2</sup> .....	23,546	611	3,689	6,866	6,556	4,425	1,399
Median (months) .....	40	19	26	40	48	57	72

See footnotes at end of table.

**Table I-10. Live births by interval since last live birth, by age and race and Hispanic origin of mother: United States, 2019—Con.**

Interval (months) 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 <sup>4</sup>				Percent			
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–3 months (plural deliveries) . . . . .	1.5	3.3	1.5	1.4	1.5	1.7	1.9
4–11 months . . . . .	1.6	6.7	3.0	1.6	1.1	0.8	0.6
12–17 months . . . . .	7.6	25.4	13.6	7.7	5.4	4.1	2.9
18–23 months . . . . .	9.9	21.6	15.2	10.0	8.5	6.9	4.7
24–35 months . . . . .	17.7	25.6	24.0	18.1	16.3	14.0	10.8
36–47 months . . . . .	13.6	11.5	16.9	14.6	12.8	11.4	8.6
48–59 months . . . . .	11.0	4.5	11.9	12.7	10.5	9.1	7.8
60–71 months . . . . .	8.5	1.0	7.0	10.2	8.6	7.8	6.8
72 months and over . . . . .	28.6	0.4	6.8	23.6	35.3	44.1	55.9
				Number			
All births . . . . .	579,872	10,213	101,324	178,776	163,090	99,422	27,047
Not stated <sup>2</sup> . . . . .	30,740	813	5,162	8,806	8,658	5,580	1,721
Median (months) . . . . .	46	21	31	45	52	62	83

<sup>1</sup>Includes 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.

<sup>2</sup>No response reported for interval since last live birth; see Technical Notes in report.

<sup>3</sup>Race 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.

<sup>4</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, 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 and race and Hispanic origin of mother: United States, 2019**

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 <sup>1</sup>
All races and origins <sup>2</sup>	Number		Percent							Number
Mother received WIC food for herself during this pregnancy . . . . .	3,747,540	1,256,355	33.9	68.2	52.7	34.5	23.1	22.1	24.5	43,285
Infant was being breastfed at discharge <sup>3</sup> . . . . .	3,193,175	2,652,155	83.6	72.9	78.7	83.5	86.9	87.0	85.8	22,248
Non-Hispanic, single race <sup>4</sup>										
White:										
Mother received WIC food for herself during this pregnancy . . . . .	1,915,912	420,251	22.1	65.3	43.8	22.6	12.8	11.4	12.4	17,298
Infant was being breastfed at discharge <sup>3</sup> . . . . .	1,721,811	1,453,765	85.0	70.8	79.0	84.9	88.1	88.1	86.9	11,707
Black:										
Mother received WIC food for herself during this pregnancy . . . . .	548,075	283,105	52.3	71.1	62.1	52.3	44.9	40.8	38.1	7,237
Infant was being breastfed at discharge <sup>3</sup> . . . . .	505,331	366,034	73.1	61.3	68.3	73.1	77.1	79.3	79.8	4,295
Hispanic <sup>5</sup>										
Mother received WIC food for herself during this pregnancy . . . . .	886,467	451,797	51.5	69.8	60.6	50.0	43.8	43.7	46.2	8,460
Infant was being breastfed at discharge <sup>3</sup> . . . . .	675,354	584,678	87.0	82.9	85.9	87.5	88.3	88.2	86.9	3,517

<sup>1</sup>No response reported for selected characteristic.

<sup>2</sup>Includes 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.

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

<sup>4</sup>Race 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.

<sup>5</sup>Includes all persons of Hispanic origin of any race.

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

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-12. Pregnancy risk factors, by age and race and Hispanic origin of mother: United States, 2019**

[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	All births	Factor reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated <sup>1</sup>
All races and origins <sup>2</sup>	Number		Rate per 1,000							Number
Diabetes:										
Prepregnancy (diagnosis prior to this pregnancy) . . . . .	3,747,540	36,566	9.8	4.1	6.3	8.1	10.1	15.3	22.7	3,284
Gestational (diagnosis in this pregnancy) . . . . .	3,747,540	258,676	69.1	21.8	38.4	58.1	79.4	106.1	140.1	3,284
Hypertension:										
Prepregnancy (chronic) . . . . .	3,747,540	83,132	22.2	8.2	13.3	18.4	23.6	34.8	52.8	3,284
Gestational (PIH, preeclampsia) . . . . .	3,747,540	291,626	77.9	82.7	79.0	76.0	74.7	80.5	96.3	3,284
Eclampsia <sup>3</sup> . . . . .	3,610,052	10,211	2.8	4.0	2.9	2.7	2.5	3.0	4.2	3,276
Previous preterm birth . . . . .	3,747,540	136,454	36.4	8.3	26.6	36.8	39.1	47.7	52.7	3,284
Pregnancy resulted from infertility treatment . . . . .	3,747,540	75,800	20.2	0.2	2.2	9.4	23.9	43.7	100.6	3,284
Mother had a previous cesarean delivery <sup>4</sup> . . . . .	2,577,679	580,745	225.5	99.9	160.8	207.5	240.0	274.8	292.5	1,767
Non-Hispanic, single race <sup>5</sup>										
White:										
Diabetes:										
Prepregnancy (diagnosis prior to this pregnancy) . . . . .	1,915,912	15,126	7.9	4.7	6.4	7.3	7.7	10.5	14.1	1,465
Gestational (diagnosis in this pregnancy) . . . . .	1,915,912	119,671	62.5	25.8	40.6	54.1	67.1	87.0	118.2	1,465
Hypertension:										
Prepregnancy (chronic) . . . . .	1,915,912	40,437	21.1	9.8	14.0	18.1	21.7	30.6	43.6	1,465
Gestational (PIH, preeclampsia) . . . . .	1,915,912	159,605	83.4	89.3	87.1	84.0	79.5	82.3	97.5	1,465
Eclampsia <sup>3</sup> . . . . .	1,832,065	4,766	2.6	3.7	2.6	2.6	2.3	2.7	3.8	1,461
Previous preterm birth . . . . .	1,915,912	64,090	33.5	8.4	24.5	31.6	35.1	44.4	50.3	1,465
Pregnancy resulted from infertility treatment . . . . .	1,915,912	53,123	27.7	0.3	3.6	13.8	31.4	55.6	128.9	1,465
Mother had a previous cesarean delivery <sup>4</sup> . . . . .	1,299,003	275,993	212.6	91.2	150.3	190.3	223.2	260.0	279.1	931
Black:										
Diabetes:										
Prepregnancy (diagnosis prior to this pregnancy) . . . . .	548,075	7,181	13.1	4.7	7.5	10.4	16.1	23.6	36.0	459
Gestational (diagnosis in this pregnancy) . . . . .	548,075	29,533	53.9	16.0	27.7	45.7	72.1	95.8	115.2	459
Hypertension:										
Prepregnancy (chronic) . . . . .	548,075	23,708	43.3	12.1	21.0	34.5	55.4	83.7	115.7	459
Gestational (PIH, preeclampsia) . . . . .	548,075	51,317	93.7	98.7	90.4	89.0	93.6	103.2	116.1	459
Eclampsia <sup>3</sup> . . . . .	515,301	1,972	3.8	5.3	3.8	3.5	3.4	4.4	5.4	458
Previous preterm birth . . . . .	548,075	30,425	55.6	10.3	36.8	60.6	68.5	75.4	74.9	459
Pregnancy resulted from infertility treatment . . . . .	548,075	3,853	7.0	0.1	0.7	2.5	8.5	18.7	54.8	459
Mother had a previous cesarean delivery <sup>4</sup> . . . . .	396,704	96,507	243.4	107.8	176.3	234.7	272.8	297.6	309.0	289

See footnotes at end of table.



**Table I-12. Pregnancy risk factors, by age and race and Hispanic origin of mother: United States, 2019—Con.**

[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	All births	Factor reported	All ages	Under 20	20–24	25–29	30–34	35–39	40–54	Not stated <sup>1</sup>
Hispanic <sup>6</sup>	Number		Rate per 1,000							Number
Diabetes:										
Pregpregnancy (diagnosis prior to this pregnancy) . . . . .	886,467	9,891	11.2	3.0	5.5	8.5	13.3	21.9	32.2	584
Gestational (diagnosis in this pregnancy) . . . . .	886,467	65,806	74.3	20.6	39.0	62.7	93.5	129.9	172.9	584
Hypertension:										
Pregpregnancy (chronic) . . . . .	886,467	12,706	14.3	4.6	7.5	11.3	16.7	26.2	43.9	584
Gestational (PIH, preeclampsia) . . . . .	886,467	57,030	64.4	67.5	62.0	58.4	63.3	75.0	89.6	584
Eclampsia <sup>3</sup> . . . . .	872,289	2,015	2.3	3.1	2.3	2.0	2.2	2.6	3.1	583
Previous preterm birth . . . . .	886,467	29,899	33.8	6.9	22.8	34.9	40.6	47.8	52.1	584
Pregnancy resulted from infertility treatment . . . . .	886,467	6,738	7.6	0.1	0.9	4.0	9.5	18.3	43.2	584
Mother had a previous cesarean delivery <sup>4</sup> . . . . .	625,587	149,189	238.6	103.7	167.8	225.5	266.0	295.2	305.5	392

<sup>1</sup>No response reported for pregnancy risk factor item.<sup>2</sup>Includes 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.<sup>3</sup>Excludes data for South Carolina and Tennessee.<sup>4</sup>Excludes women who have not had a previous pregnancy and for whom total birth order is unknown.<sup>5</sup>Race 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.<sup>6</sup>Includes all persons of Hispanic origin of any race.

NOTE: PIH is pregnancy-induced hypertension.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-13. Infections present or treated during this pregnancy, by age and race and Hispanic origin of mother: United States, 2019**

[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 <sup>1</sup>
All races and origins <sup>2</sup>	Number		Rate per 100,000							Number
Gonorrhea . . . . .	3,747,540	11,991	320.8	1,161.0	645.9	300.5	147.0	90.3	78.0	9,471
Syphilis . . . . .	3,747,540	5,644	151.0	209.3	200.9	162.0	118.4	112.7	153.0	9,471
Chlamydia . . . . .	3,747,540	69,919	1,870.5	7,564.2	4,139.8	1,602.3	681.9	460.8	374.8	9,471
Hepatitis B . . . . .	3,747,540	7,900	211.3	64.2	107.3	175.2	248.4	333.0	425.0	9,471
Hepatitis C . . . . .	3,747,540	18,917	506.1	139.9	399.2	648.0	543.2	440.1	375.6	9,471
Non-Hispanic, single race <sup>3</sup>										
White:										
Gonorrhea . . . . .	1,915,912	3,420	179.0	667.5	380.9	179.3	97.1	63.3	62.3	4,874
Syphilis . . . . .	1,915,912	1,368	71.6	115.4	91.2	78.0	59.0	55.7	75.4	4,874
Chlamydia . . . . .	1,915,912	21,380	1,118.8	5,631.9	2,917.6	969.0	399.2	289.4	201.6	4,874
Hepatitis B . . . . .	1,915,912	1,459	76.3	47.8	54.7	73.3	81.4	86.2	142.6	4,874
Hepatitis C . . . . .	1,915,912	15,095	789.9	234.0	693.2	1,028.7	775.1	641.7	555.6	4,874
Black:										
Gonorrhea . . . . .	548,075	5,508	1,008.0	2,928.0	1,680.6	890.5	424.6	239.6	172.6	1,633
Syphilis . . . . .	548,075	2,249	411.6	441.8	471.4	435.9	365.1	296.9	445.5	1,633
Chlamydia . . . . .	548,075	23,092	4,225.9	12,681.8	7,242.8	3,542.8	1,723.9	986.3	651.6	1,633
Hepatitis B . . . . .	548,075	2,060	377.0	75.4	180.1	316.6	511.9	707.0	807.5	1,633
Hepatitis C . . . . .	548,075	869	159.0	75.4	123.3	161.6	193.7	189.6	211.6	1,633
Hispanic <sup>4</sup>										
Gonorrhea . . . . .	886,467	1,971	222.8	547.3	343.3	192.3	139.3	89.7	79.7	1,733
Syphilis . . . . .	886,467	1,510	170.7	164.5	189.2	171.2	160.4	161.6	159.5	1,733
Chlamydia . . . . .	886,467	19,613	2,216.8	6,121.5	3,928.8	1,808.5	953.6	684.3	561.3	1,733
Hepatitis B . . . . .	886,467	728	82.3	55.4	63.2	76.6	103.4	101.5	95.7	1,733
Hepatitis C . . . . .	886,467	1,501	169.7	71.2	120.7	196.2	203.4	181.0	207.3	1,733

<sup>1</sup>No response reported for infections treated or present during this pregnancy item.<sup>2</sup>Includes 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.<sup>3</sup>Race 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.<sup>4</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-14. External cephalic version, by age and race and Hispanic origin of mother: United States, 2019**

[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 <sup>1</sup>	Procedure reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated <sup>2</sup>
All races and origins <sup>3</sup>	Number		Rate per 1,000							Number
External cephalic version . . . . .	3,747,540	10,767	2.9	1.5	2.0	2.6	3.3	3.7	4.0	4,690
Percent successful <sup>4</sup> . . . . .	10,767	5,222	48.5	42.1	44.7	48.0	46.7	53.0	59.6	-
Non-Hispanic, single race <sup>5</sup>										
White:										
External cephalic version . . . . .	1,915,912	7,001	3.7	1.9	2.6	3.2	4.2	4.6	4.8	2,262
Percent successful <sup>4</sup> . . . . .	7,001	3,323	47.5	37.9	44.6	46.6	45.1	52.5	61.5	-
Black:										
External cephalic version . . . . .	548,075	1,011	1.8	0.9	1.5	1.8	1.9	2.8	3.0	564
Percent successful <sup>4</sup> . . . . .	1,011	577	57.1	*	52.3	57.6	57.1	58.8	64.8	-
Hispanic <sup>6</sup>										
External cephalic version . . . . .	886,467	1,657	1.9	1.2	1.4	1.8	2.1	2.5	2.9	844
Percent successful <sup>4</sup> . . . . .	1,657	825	49.8	42.1	42.2	49.5	51.3	55.3	56.5	-

- Quantity zero.

\* Estimate does not meet National Center for Health Statistics standards of reliability.

<sup>1</sup>Number for percent successful is women with an external cephalic version (ECV) in specified group.<sup>2</sup>No response reported for obstetric procedure item.<sup>3</sup>Includes 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.<sup>4</sup>Percent successful ECV is the number of successful ECVs per 100 live births to women with an ECV in specified group.<sup>5</sup>Race 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.<sup>6</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-15. Characteristics of labor and delivery, by age and race and Hispanic origin of mother: United States, 2019**

[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	All births	Characteristic reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated <sup>1</sup>
All races and origins <sup>2</sup>	Number		Rate per 1,000							Number
Induction of labor . . . . .	3,747,540	1,099,457	293.5	332.9	320.3	298.2	277.7	270.2	292.8	1,827
Augmentation of labor . . . . .	3,747,540	813,429	217.2	271.9	247.6	225.2	207.5	180.3	155.4	1,827
Steroids (glucocorticoids) for fetal lung maturation . . . . .	3,747,540	143,169	38.2	40.5	37.9	36.2	36.5	41.9	51.8	1,827
Antibiotics received by mother during labor . . . . .	3,747,540	941,575	251.4	263.7	252.7	244.1	248.6	259.5	275.5	1,827
Clinical chorioamnionitis during labor . . . . .	3,747,540	59,708	15.9	23.9	19.2	16.3	14.8	12.2	11.1	1,827
Epidural or spinal anesthesia during labor . . . . .	3,747,540	2,848,281	760.4	792.7	772.1	757.9	757.2	749.6	749.7	1,827
Non-Hispanic, single race <sup>3</sup>										
White:										
Induction of labor . . . . .	1,915,912	626,524	327.2	406.5	370.7	338.2	304.3	293.7	323.4	852
Augmentation of labor . . . . .	1,915,912	413,822	216.1	266.8	243.9	227.4	209.5	181.9	157.8	852
Steroids (glucocorticoids) for fetal lung maturation . . . . .	1,915,912	72,483	37.8	43.8	39.3	36.1	35.7	40.5	49.2	852
Antibiotics received by mother during labor . . . . .	1,915,912	466,905	243.8	252.8	239.7	235.7	243.3	256.1	272.6	852
Clinical chorioamnionitis during labor . . . . .	1,915,912	22,911	12.0	15.6	13.4	12.4	11.7	10.0	9.2	852
Epidural or spinal anesthesia during labor . . . . .	1,915,912	1,480,354	773.0	828.8	792.8	773.8	766.3	757.2	756.3	852
Black:										
Induction of labor . . . . .	548,075	151,578	276.7	317.4	297.9	268.9	260.3	262.6	275.3	177
Augmentation of labor . . . . .	548,075	110,718	202.1	253.8	234.5	205.3	182.2	157.3	135.0	177
Steroids (glucocorticoids) for fetal lung maturation . . . . .	548,075	28,414	51.9	48.2	49.3	49.5	53.2	57.8	68.1	177
Antibiotics received by mother during labor . . . . .	548,075	157,227	287.0	321.5	301.5	281.8	275.2	276.0	280.2	177
Clinical chorioamnionitis during labor . . . . .	548,075	8,409	15.3	21.4	18.3	15.4	13.2	11.3	10.8	177
Epidural or spinal anesthesia during labor . . . . .	548,075	417,487	762.0	794.0	776.3	754.5	752.6	754.0	755.9	177
Hispanic <sup>4</sup>										
Induction of labor . . . . .	886,467	220,363	248.7	274.9	265.6	244.8	232.3	238.0	264.9	330
Augmentation of labor . . . . .	886,467	194,643	219.7	283.9	256.6	221.1	197.5	174.1	153.5	330
Steroids (glucocorticoids) for fetal lung maturation . . . . .	886,467	28,777	32.5	32.3	29.1	29.7	32.9	39.3	49.4	330
Antibiotics received by mother during labor . . . . .	886,467	212,256	239.5	235.5	238.7	233.2	240.0	248.7	267.4	330
Clinical chorioamnionitis during labor . . . . .	886,467	17,632	19.9	32.9	27.4	19.5	15.2	11.5	10.2	330
Epidural or spinal anesthesia during labor . . . . .	886,467	650,039	733.6	764.4	746.4	729.7	726.3	719.2	720.9	330

<sup>1</sup>No response reported for selected characteristic.<sup>2</sup>Includes 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.<sup>3</sup>Race 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.<sup>4</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, 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, 2019**

[By place of residence]

Area	Total cesarean delivery rate <sup>1</sup>				Low-risk cesarean delivery rate <sup>2</sup>			
	All races and origins <sup>3</sup>	Non-Hispanic, single race <sup>4</sup>			All races <sup>3</sup>	Non-Hispanic, single race <sup>4</sup>		
		White	Black	Hispanic <sup>5</sup>		White	Black	Hispanic <sup>5</sup>
United States <sup>6</sup> .....	31.7	30.7	35.9	31.3	25.6	24.7	30.0	24.8
Alabama .....	34.6	34.3	37.9	24.6	28.4	27.6	32.0	21.4
Alaska .....	21.6	23.4	27.6	26.9	17.1	18.7	17.8	20.9
Arizona .....	27.8	27.8	34.4	26.9	21.9	21.6	27.9	21.0
Arkansas .....	34.5	34.2	38.1	29.2	27.7	27.1	32.1	22.8
California .....	30.8	30.1	35.6	30.5	23.8	23.5	28.2	22.8
Colorado .....	26.8	26.9	31.4	25.1	21.4	21.0	28.1	19.8
Connecticut .....	34.6	34.1	37.7	33.8	28.9	28.8	31.2	27.8
Delaware .....	31.5	30.4	34.3	30.2	24.4	22.8	28.6	23.7
District of Columbia .....	31.9	29.2	34.3	29.5	28.0	25.4	31.6	25.9
Florida .....	36.5	33.5	38.5	39.5	29.6	27.3	31.1	32.1
Georgia .....	34.3	33.7	37.0	30.0	28.2	27.4	30.8	24.2
Hawaii .....	26.8	25.0	35.0	25.7	23.1	22.3	24.1	22.0
Idaho .....	24.0	23.3	27.6	26.6	19.0	17.8	24.2	23.8
Illinois .....	30.6	30.4	32.7	29.0	24.7	24.0	27.3	23.6
Indiana .....	29.3	29.2	32.0	26.9	23.0	23.0	24.8	20.8
Iowa .....	29.6	29.1	33.3	29.7	23.6	23.6	27.8	22.3
Kansas .....	29.7	30.1	32.3	26.8	24.3	24.6	24.1	21.4
Kentucky .....	33.6	34.1	34.3	28.9	26.8	27.2	27.4	22.2
Louisiana .....	36.7	36.9	37.6	32.3	28.5	28.5	30.1	22.4
Maine .....	30.2	30.2	29.0	33.9	25.3	25.0	27.6	30.0
Maryland .....	33.0	31.2	38.2	28.7	27.6	26.5	31.5	23.2
Massachusetts .....	31.4	31.2	35.0	31.6	24.8	25.0	28.7	24.2
Michigan .....	32.0	31.5	33.7	31.1	26.5	25.6	29.0	27.8
Minnesota .....	27.6	27.6	30.5	26.7	23.8	23.2	29.8	22.9
Mississippi .....	38.5	37.5	40.7	29.5	30.7	29.3	33.2	24.3
Missouri .....	30.1	30.0	30.8	28.1	23.9	23.3	25.7	23.3
Montana .....	28.4	27.4	42.6	30.4	23.2	22.4	*	25.6
Nebraska .....	29.1	29.4	31.9	27.1	21.2	20.6	30.1	20.0
Nevada .....	32.8	31.1	39.1	31.6	26.8	25.4	32.3	26.4
New Hampshire .....	31.6	30.8	37.6	35.6	26.0	25.3	36.8	26.8
New Jersey .....	33.8	31.5	36.7	35.3	26.7	25.5	30.9	25.6
New Mexico .....	26.4	25.9	33.5	26.6	21.3	21.2	28.6	21.3
New York .....	33.2	30.9	38.4	34.7	28.1	26.9	32.7	28.2
North Carolina .....	29.1	29.0	32.0	24.6	22.5	21.9	25.6	18.9
North Dakota .....	26.5	25.7	30.6	24.9	18.4	17.8	27.4	14.8
Ohio .....	31.0	30.7	33.1	27.6	25.6	25.2	28.4	22.8
Oklahoma .....	32.1	32.3	35.4	28.6	24.5	23.8	28.8	22.6
Oregon .....	28.0	27.8	31.5	26.5	23.4	22.8	31.1	23.1
Pennsylvania .....	30.2	29.7	31.0	31.3	25.2	24.7	26.9	24.3
Rhode Island .....	32.0	31.9	34.0	31.9	27.7	28.0	27.4	27.2
South Carolina .....	33.2	32.3	36.6	29.1	26.9	25.8	29.9	24.6
South Dakota .....	24.5	23.8	29.6	22.3	19.1	18.3	30.3	19.8
Tennessee .....	31.8	31.5	34.5	28.5	25.5	24.9	28.3	23.3
Texas .....	34.8	34.2	39.6	33.8	28.4	28.0	33.6	26.9
Utah .....	23.1	21.9	30.9	25.6	18.7	17.6	24.7	19.8
Vermont .....	25.8	25.3	27.8	26.6	20.8	20.0	*	23.6
Virginia .....	31.9	30.3	36.5	29.6	26.2	24.3	31.7	23.4
Washington .....	27.8	26.8	34.8	26.0	22.8	21.9	31.5	19.7
West Virginia .....	34.6	34.6	36.6	35.0	26.3	26.1	31.0	29.8
Wisconsin .....	26.7	26.7	28.3	26.0	21.6	21.1	24.8	20.4
Wyoming .....	26.3	25.9	26.2	27.1	20.7	20.3	*	24.1

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, 2019—Con.**

[By place of residence]

Area	Total cesarean delivery rate <sup>1</sup>				Low-risk cesarean delivery rate <sup>2</sup>			
	All races and origins <sup>3</sup>	Non-Hispanic, single race <sup>4</sup>			All races <sup>3</sup>	Non-Hispanic, single race <sup>4</sup>		
		White	Black	Hispanic <sup>5</sup>		White	Black	Hispanic <sup>5</sup>
Puerto Rico .....	47.0	43.6	*	47.1	42.2	38.4	*	42.3
Virgin Islands .....	---	---	---	---	---	---	---	---
Guam .....	23.0	25.8	*	*	20.6	37.3	*	*
American Samoa .....	---	---	---	---	---	---	---	---
Northern Marianas .....	26.8	*	*	*	18.2	*	*	*

\* Estimate does not meet National Center for Health Statistics standards of reliability.

--- Data not available.

<sup>1</sup>Percent of all live births by cesarean delivery.<sup>2</sup>Low-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, and first births.<sup>3</sup>Includes 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.<sup>4</sup>Race 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.<sup>5</sup>Includes all persons of Hispanic origin of any race; see Technical Notes.<sup>6</sup>Excludes data for the territories.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-17. Method of delivery, by age and race and Hispanic origin of mother: United States, 2019**

[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 <sup>1</sup>	Method reported	All ages	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated <sup>2</sup>
<b>All races and origins<sup>3</sup></b>	<b>Number</b>		<b>Rate per 100</b>							<b>Number</b>
<b>Fetal presentation at birth:</b>										
Cephalic . . . . .	3,747,540	3,556,930	95.2	96.7	96.3	95.6	94.7	93.9	92.4	10,222
Breech . . . . .	3,747,540	150,328	4.0	2.5	2.9	3.6	4.4	5.2	6.5	10,222
Other . . . . .	3,747,540	30,060	0.8	0.8	0.7	0.8	0.8	0.9	1.1	10,222
<b>Final route and method of delivery:</b>										
Vaginal, spontaneous . . . . .	3,747,540	2,445,193	65.3	76.4	71.6	67.4	63.3	57.4	50.1	2,261
Vaginal, forceps . . . . .	3,747,540	18,991	0.5	0.6	0.5	0.5	0.5	0.5	0.5	2,261
Vaginal, vacuum . . . . .	3,747,540	94,698	2.5	3.7	2.8	2.5	2.5	2.2	2.0	2,261
Cesarean . . . . .	3,747,540	1,186,397	31.7	19.3	25.1	29.6	33.7	40.0	47.4	2,261
Cesarean, trial of labor attempted <sup>4</sup> . . . . .	1,186,397	317,532	27.1	49.7	37.1	28.7	24.0	20.5	20.1	13,091
<b>Non-Hispanic, single race<sup>5</sup></b>										
<b>White:</b>										
<b>Fetal presentation at birth:</b>										
Cephalic . . . . .	1,915,912	1,812,502	94.8	96.3	95.9	95.2	94.5	93.8	92.8	4,512
Breech . . . . .	1,915,912	83,552	4.4	3.0	3.3	4.0	4.7	5.3	6.3	4,512
Other . . . . .	1,915,912	15,346	0.8	0.7	0.7	0.8	0.8	0.9	1.0	4,512
<b>Final route and method of delivery:</b>										
Vaginal, spontaneous . . . . .	1,915,912	1,266,418	66.1	75.4	71.9	68.6	64.9	59.3	52.1	867
Vaginal, forceps . . . . .	1,915,912	11,014	0.6	0.7	0.6	0.6	0.6	0.5	0.5	867
Vaginal, vacuum . . . . .	1,915,912	50,502	2.6	4.0	3.0	2.7	2.5	2.2	2.1	867
Cesarean . . . . .	1,915,912	587,111	30.7	19.9	24.5	28.2	32.0	38.0	45.3	867
Cesarean, trial of labor attempted <sup>4</sup> . . . . .	587,111	162,310	27.9	52.1	38.6	30.5	25.0	21.3	21.9	5,839
<b>Black:</b>										
<b>Fetal presentation at birth:</b>										
Cephalic . . . . .	548,075	521,832	95.5	96.9	96.5	95.8	94.8	93.8	91.6	1,392
Breech . . . . .	548,075	19,928	3.6	2.1	2.7	3.3	4.3	5.2	7.2	1,392
Other . . . . .	548,075	4,923	0.9	1.0	0.8	0.9	0.9	1.0	1.1	1,392
<b>Final route and method of delivery:</b>										
Vaginal, spontaneous . . . . .	548,075	337,879	61.7	73.9	68.2	63.0	57.5	51.4	44.1	212
Vaginal, forceps . . . . .	548,075	2,159	0.4	0.6	0.5	0.4	0.4	0.3	0.3	212
Vaginal, vacuum . . . . .	548,075	11,153	2.0	3.6	2.5	1.9	1.7	1.6	1.4	212
Cesarean . . . . .	548,075	196,672	35.9	22.0	28.9	34.8	40.4	46.7	54.2	212
Cesarean, trial of labor attempted <sup>4</sup> . . . . .	196,672	55,324	28.5	50.4	38.1	28.0	24.1	21.8	20.6	2,535
<b>Hispanic<sup>6</sup></b>										
<b>Fetal presentation at birth:</b>										
Cephalic . . . . .	886,467	846,431	95.8	97.0	96.8	96.1	95.2	94.3	92.3	2,485
Breech . . . . .	886,467	30,844	3.5	2.3	2.5	3.2	4.0	4.8	6.4	2,485
Other . . . . .	886,467	6,707	0.8	0.7	0.7	0.7	0.8	0.9	1.2	2,485
<b>Final route and method of delivery:</b>										
Vaginal, spontaneous . . . . .	886,467	586,375	66.2	78.6	73.1	67.4	62.1	56.3	50.3	444
Vaginal, forceps . . . . .	886,467	3,339	0.4	0.5	0.4	0.4	0.3	0.3	0.4	444
Vaginal, vacuum . . . . .	886,467	18,731	2.1	3.4	2.5	1.9	1.9	1.7	1.7	444
Cesarean . . . . .	886,467	277,578	31.3	17.4	24.0	30.3	35.8	41.7	47.6	444
Cesarean, trial of labor attempted <sup>4</sup> . . . . .	277,578	65,952	24.0	46.2	33.8	24.1	19.7	17.6	17.5	3,132

<sup>1</sup>Total 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.

<sup>2</sup>No response reported for selected characteristic.

<sup>3</sup>Includes 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.

<sup>4</sup>Number of women who attempted a trial of labor prior to cesarean delivery per 100 cesarean births.

<sup>5</sup>Race 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.

<sup>6</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-18. Maternal morbidity, by age and race and Hispanic origin of mother: United States, 2019**

[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	Under 20	20-24	25-29	30-34	35-39	40-54	Not stated <sup>1</sup>
All races and origins <sup>2</sup>	Number		Rate per 100,000							Number
Maternal transfusion . . . . .	3,747,540	16,539	441.8	574.7	436.7	404.5	413.5	483.6	655.1	3,966
Third- or fourth-degree perineal laceration . . . . .	3,747,540	30,858	824.3	871.8	733.7	897.3	927.5	671.3	454.5	3,966
Ruptured uterus . . . . .	3,747,540	1,274	34.0	16.2	24.6	33.1	32.8	49.0	61.0	3,966
Unplanned hysterectomy . . . . .	3,747,540	1,854	49.5	8.7	19.5	34.0	53.8	94.6	162.0	3,966
Admission to intensive care unit . . . . .	3,747,540	6,720	179.5	156.9	127.0	154.1	175.1	252.3	421.3	3,966
Non-Hispanic, single race <sup>3</sup>										
White:										
Maternal transfusion . . . . .	1,915,912	7,970	416.4	521.5	405.4	391.7	391.9	465.8	594.0	1,967
Third- or fourth-degree perineal laceration . . . . .	1,915,912	18,327	957.6	865.3	859.8	1,088.2	1,038.1	752.5	572.7	1,967
Ruptured uterus . . . . .	1,915,912	599	31.3	18.1	19.8	28.4	30.8	48.4	49.1	1,967
Unplanned hysterectomy . . . . .	1,915,912	880	46.0	9.9	20.1	29.1	49.6	86.1	130.9	1,967
Admission to intensive care unit . . . . .	1,915,912	2,910	152.0	148.0	119.8	135.1	145.2	201.0	299.5	1,967
Black:										
Maternal transfusion . . . . .	548,075	2,988	545.5	534.5	497.3	509.9	548.9	632.2	899.9	362
Third- or fourth-degree perineal laceration . . . . .	548,075	2,259	412.4	773.5	457.3	389.6	381.8	300.7	183.3	362
Ruptured uterus . . . . .	548,075	262	47.8	8.1	40.0	50.7	55.4	66.0	38.9	362
Unplanned hysterectomy . . . . .	548,075	315	57.5	2.7	17.4	44.7	74.5	120.3	227.8	362
Admission to intensive care unit . . . . .	548,075	1,465	267.5	196.1	157.7	224.1	296.2	448.9	733.3	362
Hispanic <sup>4</sup>										
Maternal transfusion . . . . .	886,467	3,771	425.7	606.2	436.3	368.4	393.6	439.5	621.2	670
Third- or fourth-degree perineal laceration . . . . .	886,467	4,711	531.8	899.8	636.9	514.8	467.7	373.5	258.0	670
Ruptured uterus . . . . .	886,467	268	30.3	18.9	22.2	30.4	26.8	45.6	70.1	670
Unplanned hysterectomy . . . . .	886,467	436	49.2	11.0	21.7	38.2	56.0	102.3	152.9	670
Admission to intensive care unit . . . . .	886,467	1,477	166.7	145.2	119.6	142.8	169.8	249.3	385.4	670

<sup>1</sup>No response reported for selected characteristic.<sup>2</sup>Includes 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.<sup>3</sup>Race 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.<sup>4</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.



**Table I-19. Preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2019**

[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 <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
	Number				Percent			
United States <sup>4</sup>	383,061	177,339	78,829	88,354	10.23	9.26	14.39	9.97
Alabama	7,311	3,615	2,994	479	12.48	10.83	16.46	9.78
Alaska	954	362	31	72	9.72	7.46	10.69	9.16
Arizona	7,435	2,730	609	3,124	9.37	8.55	13.42	9.29
Arkansas	4,362	2,557	1,091	398	11.93	11.09	15.60	9.74
California	39,958	9,469	2,815	18,708	8.95	7.82	12.59	9.17
Colorado	6,004	3,199	370	1,821	9.55	8.88	12.16	10.01
Connecticut	3,208	1,583	526	853	9.37	8.62	12.47	9.77
Delaware	1,130	475	398	168	10.70	9.45	14.20	9.68
District of Columbia	945	218	569	108	10.41	7.30	13.78	7.98
Florida	23,361	8,669	6,971	6,675	10.62	9.27	14.61	9.79
Georgia	14,763	5,511	6,431	1,870	11.69	10.05	14.72	10.15
Hawaii	1,775	267	58	261	10.57	8.28	13.52	10.09
Idaho	1,934	1,426	17	368	8.77	8.41	6.51	9.94
Illinois	14,986	7,147	3,476	3,151	10.70	9.61	14.95	10.47
Indiana	8,207	5,627	1,367	830	10.15	9.67	13.34	9.86
Iowa	3,569	2,625	363	358	9.48	9.04	12.85	9.69
Kansas	3,574	2,365	362	608	10.10	9.64	14.73	10.03
Kentucky	5,993	4,708	678	339	11.30	11.16	13.48	9.83
Louisiana	7,726	3,246	3,701	518	13.12	10.96	16.75	10.38
Maine	1,062	933	48	19	9.02	8.98	8.87	7.39
Maryland	7,211	2,552	2,813	1,248	10.28	8.85	13.10	9.70
Massachusetts	6,196	3,208	766	1,431	8.98	8.18	11.19	10.12
Michigan	11,070	6,709	2,990	694	10.27	9.19	14.69	9.75
Minnesota	6,107	3,892	912	503	9.26	8.73	11.06	9.81
Mississippi	5,340	2,258	2,796	178	14.58	12.39	17.81	10.42
Missouri	7,832	5,233	1,630	445	10.87	9.97	15.55	10.16
Montana	1,064	784	3	64	9.61	8.91	*	10.39
Nebraska	2,596	1,688	256	443	10.49	9.97	15.49	10.20
Nevada	3,742	1,183	634	1,353	10.67	9.48	14.05	10.22
New Hampshire	969	803	31	77	8.19	7.97	12.16	10.01
New Jersey	9,510	3,774	1,842	2,725	9.56	8.33	13.77	9.94
New Mexico	2,329	564	61	1,348	10.15	9.07	17.18	10.43
New York	20,312	8,371	4,249	5,101	9.18	7.66	13.25	10.14
North Carolina	12,646	5,903	3,966	1,803	10.65	9.49	14.31	9.44
North Dakota	993	684	64	50	9.50	9.04	9.83	7.69
Ohio	14,120	9,200	3,180	813	10.51	9.63	14.11	10.53
Oklahoma	5,646	2,959	664	846	11.49	10.79	16.20	10.97
Oregon	3,470	2,217	100	734	8.29	8.02	9.94	8.98
Pennsylvania	13,319	7,983	2,438	1,745	9.94	9.01	13.89	10.45
Rhode Island	970	466	101	303	9.54	8.38	12.08	10.37
South Carolina	6,539	3,131	2,539	561	11.47	9.89	15.11	9.78
South Dakota	1,093	714	46	58	9.55	8.76	11.11	9.05
Tennessee	8,993	5,422	2,336	817	11.19	10.40	14.63	9.70
Texas	41,634	12,313	7,088	19,838	11.03	9.88	14.98	11.04
Utah	4,559	3,106	83	852	9.74	9.31	14.31	10.47
Vermont	452	405	15	12	8.44	8.35	11.28	9.68
Virginia	9,625	4,615	2,790	1,350	9.88	8.71	13.73	9.35
Washington	7,172	3,733	360	1,491	8.47	7.88	9.47	9.25
West Virginia	2,281	2,055	109	32	12.58	12.48	17.58	8.36
Wisconsin	6,366	4,164	1,083	637	10.07	9.30	15.80	9.86
Wyoming	648	518	9	74	9.87	10.04	14.75	8.82

See footnotes at end of table.

**Table I-19. Preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2019—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 <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
Number					Percent			
Puerto Rico .....	2,397	48	—	2,346	11.78	11.74	*	11.81
Virgin Islands .....	---	---	---	---	---	---	---	---
Guam .....	348	9	4	1	11.51	*	*	*
American Samoa .....	---	---	---	---	---	---	---	---
Northern Marianas .....	59	—	—	—	8.65	*	*	*

\* Estimate does not meet National Center for Health Statistics standards of reliability.

— Quantity zero.

--- Data not available.

<sup>1</sup>Includes 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.

<sup>2</sup>Race 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.

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

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

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-20. Late preterm births, by race and Hispanic origin of mother: United States, each state and territory, 2019**

[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 <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
		Number				Percent		
United States <sup>4</sup>	279,302	133,807	51,766	65,238	7.46	6.99	9.45	7.36
Alabama	5,267	2,746	1,974	378	8.99	8.23	10.85	7.71
Alaska	725	274	26	50	7.39	5.64	8.97	6.36
Arizona	5,547	2,051	420	2,349	6.99	6.43	9.26	6.98
Arkansas	3,193	1,962	715	283	8.73	8.51	10.22	6.92
California	29,557	7,278	1,880	13,752	6.62	6.01	8.41	6.74
Colorado	4,484	2,420	255	1,356	7.14	6.72	8.38	7.45
Connecticut	2,309	1,176	345	604	6.74	6.41	8.18	6.92
Delaware	783	353	249	123	7.41	7.03	8.88	7.09
District of Columbia	664	178	381	76	7.32	5.96	9.23	5.61
Florida	16,739	6,490	4,621	4,869	7.61	6.94	9.69	7.14
Georgia	10,542	4,207	4,277	1,367	8.34	7.67	9.79	7.42
Hawaii	1,300	197	34	185	7.75	6.11	7.93	7.15
Idaho	1,476	1,091	11	286	6.69	6.43	4.21	7.73
Illinois	11,030	5,468	2,311	2,318	7.87	7.35	9.94	7.70
Indiana	6,015	4,202	898	633	7.44	7.22	8.76	7.52
Iowa	2,593	1,936	232	275	6.89	6.67	8.21	7.44
Kansas	2,623	1,756	226	460	7.41	7.15	9.19	7.59
Kentucky	4,440	3,550	452	246	8.37	8.41	8.99	7.13
Louisiana	5,655	2,549	2,515	392	9.60	8.61	11.38	7.86
Maine	787	695	31	16	6.69	6.69	5.73	6.23
Maryland	5,131	1,946	1,830	920	7.32	6.75	8.52	7.15
Massachusetts	4,569	2,413	500	1,049	6.63	6.15	7.30	7.42
Michigan	7,913	5,011	1,895	513	7.34	6.87	9.31	7.21
Minnesota	4,518	2,980	611	365	6.85	6.69	7.41	7.12
Mississippi	3,790	1,716	1,865	134	10.35	9.42	11.88	7.85
Missouri	5,719	3,934	1,075	322	7.94	7.50	10.26	7.35
Montana	840	628	1	53	7.58	7.14	*	8.60
Nebraska	1,939	1,275	177	331	7.84	7.53	10.71	7.62
Nevada	2,759	889	428	1,028	7.87	7.13	9.48	7.77
New Hampshire	770	634	26	59	6.51	6.29	10.20	7.67
New Jersey	6,921	2,869	1,180	1,997	6.96	6.33	8.82	7.29
New Mexico	1,664	413	35	947	7.25	6.64	9.86	7.33
New York	14,646	6,281	2,733	3,700	6.62	5.75	8.52	7.35
North Carolina	9,017	4,393	2,602	1,319	7.60	7.06	9.39	6.91
North Dakota	722	504	42	29	6.91	6.66	6.45	4.46
Ohio	10,060	6,826	2,006	599	7.49	7.14	8.90	7.76
Oklahoma	4,242	2,260	441	660	8.64	8.24	10.76	8.56
Oregon	2,597	1,663	64	568	6.21	6.02	6.36	6.95
Pennsylvania	9,552	5,990	1,540	1,234	7.13	6.76	8.77	7.39
Rhode Island	732	365	61	232	7.20	6.56	7.30	7.94
South Carolina	4,612	2,326	1,628	425	8.09	7.35	9.69	7.41
South Dakota	829	539	28	48	7.24	6.61	6.76	7.49
Tennessee	6,582	4,168	1,496	615	8.19	7.99	9.37	7.30
Texas	30,444	9,177	4,697	14,770	8.06	7.36	9.93	8.22
Utah	3,496	2,394	63	641	7.47	7.18	10.86	7.88
Vermont	329	292	10	10	6.14	6.02	7.52	8.06
Virginia	6,937	3,467	1,842	983	7.12	6.54	9.06	6.81
Washington	5,392	2,830	234	1,127	6.36	5.98	6.15	6.99
West Virginia	1,703	1,546	68	23	9.39	9.39	10.97	6.01
Wisconsin	4,658	3,103	730	465	7.37	6.93	10.65	7.20
Wyoming	490	396	5	54	7.46	7.68	*	6.44

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, 2019—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 <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
		Number			Percent			
Puerto Rico .....	1,802	37	—	1,763	8.85	9.05	*	8.87
Virgin Islands .....	---	---	---	---	---	---	---	---
Guam .....	277	5	3	—	9.16	*	*	*
American Samoa .....	---	---	---	---	---	---	---	---
Northern Marianas .....	45	—	—	—	6.60	*	*	*

\* Estimate does not meet National Center for Health Statistics standards of reliability.

— Quantity zero.

--- Data not available.

<sup>1</sup>Includes 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.<sup>2</sup>Race 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.<sup>3</sup>Includes all persons of Hispanic origin of any race; see Technical Notes.<sup>4</sup>Excludes data for the territories.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-21. Low birthweight births, by race and Hispanic origin of mother: United States, each state and territory, 2019**

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

Area	All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
	Number				Percent			
United States <sup>4</sup>	311,245	131,959	77,475	66,912	8.3	6.9	14.2	7.6
Alabama	6,136	2,610	2,989	339	10.5	7.8	16.4	6.9
Alaska	619	247	29	52	6.3	5.1	10.0	6.6
Arizona	5,835	2,129	558	2,353	7.4	6.7	12.3	7.0
Arkansas	3,380	1,756	1,064	308	9.2	7.6	15.2	7.5
California	31,699	6,943	2,663	13,950	7.1	5.7	11.9	6.8
Colorado	5,911	3,085	429	1,754	9.4	8.6	14.1	9.7
Connecticut	2,657	1,172	519	715	7.8	6.4	12.3	8.2
Delaware	995	379	403	132	9.4	7.5	14.4	7.6
District of Columbia	896	177	579	86	9.9	5.9	14.0	6.4
Florida	19,231	6,524	6,664	5,088	8.7	7.0	14.0	7.5
Georgia	12,655	3,937	6,417	1,419	10.0	7.2	14.7	7.7
Hawaii	1,410	183	47	195	8.4	5.7	11.0	7.5
Idaho	1,519	1,123	20	289	6.9	6.6	7.7	7.8
Illinois	11,779	4,985	3,394	2,254	8.4	6.7	14.6	7.5
Indiana	6,607	4,256	1,399	615	8.2	7.3	13.7	7.3
Iowa	2,543	1,798	340	226	6.8	6.2	12.0	6.1
Kansas	2,685	1,677	364	448	7.6	6.8	14.8	7.4
Kentucky	4,642	3,420	729	249	8.7	8.1	14.5	7.2
Louisiana	6,348	2,256	3,519	352	10.8	7.6	15.9	7.1
Maine	867	738	44	19	7.4	7.1	8.2	7.4
Maryland	6,111	1,894	2,725	891	8.7	6.6	12.7	6.9
Massachusetts	5,257	2,518	775	1,197	7.6	6.4	11.3	8.5
Michigan	9,414	5,205	2,993	547	8.7	7.1	14.7	7.7
Minnesota	4,537	2,599	885	366	6.9	5.8	10.7	7.1
Mississippi	4,510	1,576	2,708	133	12.3	8.7	17.3	7.8
Missouri	6,356	3,912	1,651	336	8.8	7.5	15.7	7.7
Montana	804	617	5	48	7.3	7.0	*	7.8
Nebraska	1,872	1,156	244	315	7.6	6.8	14.8	7.3
Nevada	3,077	944	631	1,020	8.8	7.6	14.0	7.7
New Hampshire	756	622	24	53	6.4	6.2	9.4	6.9
New Jersey	7,812	2,784	1,721	2,102	7.9	6.2	12.9	7.7
New Mexico	2,126	498	61	1,283	9.3	8.0	17.2	9.9
New York	17,821	6,796	4,147	4,296	8.1	6.2	12.9	8.5
North Carolina	11,047	4,518	4,164	1,393	9.3	7.3	15.0	7.3
North Dakota	708	455	70	40	6.8	6.0	10.8	6.1
Ohio	11,533	6,895	3,136	606	8.6	7.2	13.9	7.8
Oklahoma	4,045	2,006	642	551	8.2	7.3	15.7	7.1
Oregon	2,801	1,730	109	577	6.7	6.3	10.8	7.1
Pennsylvania	11,255	6,129	2,496	1,507	8.4	6.9	14.3	9.0
Rhode Island	796	360	109	250	7.8	6.5	13.1	8.6
South Carolina	5,610	2,313	2,599	405	9.8	7.3	15.5	7.1
South Dakota	802	541	44	42	7.0	6.6	10.7	6.5
Tennessee	7,356	4,015	2,331	613	9.2	7.7	14.6	7.3
Texas	31,802	8,713	6,656	14,131	8.4	7.0	14.1	7.9
Utah	3,481	2,295	78	691	7.4	6.9	13.4	8.5
Vermont	351	316	13	10	6.6	6.5	9.8	8.1
Virginia	8,132	3,543	2,755	1,017	8.4	6.7	13.6	7.0
Washington	5,456	2,680	363	1,081	6.4	5.7	9.5	6.7
West Virginia	1,772	1,565	106	26	9.8	9.5	17.1	6.8
Wisconsin	4,788	2,858	1,052	460	7.6	6.4	15.4	7.1
Wyoming	643	511	12	82	9.8	9.9	19.7	9.8

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, 2019—Con.**

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

Area	All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>
Number					Percent			
Puerto Rico .....	2,054	40	3	2,010	10.1	9.8	*	10.1
Virgin Islands .....	---	---	---	---	---	---	---	---
Guam .....	279	8	5	3	9.2	*	*	*
American Samoa .....	—	---	---	---	*	---	---	---
Northern Marianas .....	48	—	—	—	7.1	*	*	*

\* Estimate does not meet National Center for Health Statistics standards of reliability.

--- Data not available.

— Quantity zero.

<sup>1</sup>Includes 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.<sup>2</sup>Race 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.<sup>3</sup>Includes all persons of Hispanic origin of any race; see Technical Notes.<sup>4</sup>Excludes data for the territories.

SOURCE: National Center for Health Statistics, 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, 2019**

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

Area	All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>			All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>			
		White	Black	Hispanic <sup>3</sup>		White	Black	Hispanic <sup>3</sup>	
Number					Percent				
United States <sup>4</sup>	51,733	19,443	16,089	11,223	1.4	1.0	2.9	1.3	
Alabama	1,107	411	623	49	1.9	1.2	3.4	1.0	
Alaska	106	38	5	13	1.1	0.8	1.7	1.7	
Arizona	884	292	111	364	1.1	0.9	2.4	1.1	
Arkansas	572	267	220	49	1.6	1.2	3.1	1.2	
California	5,019	956	547	2,390	1.1	0.8	2.4	1.2	
Colorado	724	352	74	210	1.2	1.0	2.4	1.2	
Connecticut	462	182	118	131	1.3	1.0	2.8	1.5	
Delaware	203	60	104	25	1.9	1.2	3.7	1.4	
District of Columbia	176	22	133	15	1.9	0.7	3.2	1.1	
Florida	3,411	951	1,398	901	1.6	1.0	2.9	1.3	
Georgia	2,295	601	1,297	263	1.8	1.1	3.0	1.4	
Hawaii	233	32	14	45	1.4	1.0	3.3	1.7	
Idaho	216	164	5	32	1.0	1.0	1.9	0.9	
Illinois	1,938	701	691	406	1.4	0.9	3.0	1.3	
Indiana	1,078	667	264	101	1.3	1.1	2.6	1.2	
Iowa	429	279	73	36	1.1	1.0	2.6	1.0	
Kansas	486	297	83	74	1.4	1.2	3.4	1.2	
Kentucky	756	527	141	56	1.4	1.2	2.8	1.6	
Louisiana	1,099	300	695	73	1.9	1.0	3.1	1.5	
Maine	132	116	9	–	1.1	1.1	1.7	0.0	
Maryland	1,094	253	598	157	1.6	0.9	2.8	1.2	
Massachusetts	769	317	153	206	1.1	0.8	2.2	1.5	
Michigan	1,580	776	617	93	1.5	1.1	3.0	1.3	
Minnesota	746	384	183	72	1.1	0.9	2.2	1.4	
Mississippi	830	267	534	18	2.3	1.5	3.4	1.1	
Missouri	1,016	588	306	56	1.4	1.1	2.9	1.3	
Montana	98	69	2	4	0.9	0.8	*	0.6	
Nebraska	284	163	44	52	1.1	1.0	2.7	1.2	
Nevada	472	138	112	156	1.3	1.1	2.5	1.2	
New Hampshire	93	76	3	8	0.8	0.8	1.2	1.0	
New Jersey	1,306	392	396	364	1.3	0.9	3.0	1.3	
New Mexico	311	64	14	197	1.4	1.0	4.0	1.5	
New York	2,950	949	946	700	1.3	0.9	3.0	1.4	
North Carolina	1,978	717	860	264	1.7	1.2	3.1	1.4	
North Dakota	130	84	18	6	1.2	1.1	2.8	0.9	
Ohio	2,048	1,055	725	106	1.5	1.1	3.2	1.4	
Oklahoma	653	309	117	89	1.3	1.1	2.9	1.2	
Oregon	408	255	19	87	1.0	0.9	1.9	1.1	
Pennsylvania	1,876	893	513	268	1.4	1.0	2.9	1.6	
Rhode Island	129	46	20	46	1.3	0.8	2.4	1.6	
South Carolina	1,028	382	539	66	1.8	1.2	3.2	1.2	
South Dakota	127	85	9	5	1.1	1.0	2.2	0.8	
Tennessee	1,243	603	512	75	1.5	1.2	3.2	0.9	
Texas	5,288	1,285	1,359	2,349	1.4	1.0	2.9	1.3	
Utah	491	314	14	100	1.0	0.9	2.4	1.2	
Vermont	50	46	1	2	0.9	0.9	0.8	*	
Virginia	1,406	521	576	187	1.4	1.0	2.8	1.3	
Washington	818	410	72	160	1.0	0.9	1.9	1.0	
West Virginia	281	243	23	5	1.6	1.5	3.7	1.3	
Wisconsin	818	474	195	85	1.3	1.1	2.8	1.3	
Wyoming	86	70	4	7	1.3	1.4	*	0.8	

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, 2019—Con.**

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

Area	All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>			Hispanic <sup>3</sup>	All races and origins <sup>1</sup>	Non-Hispanic, single-race <sup>2</sup>		
		White	Black	Hispanic <sup>3</sup>			White	Black	Hispanic <sup>3</sup>
Number					Percent				
Puerto Rico .....	243	4	3	239	1.2	1.0	*	1.2	
Virgin Islands .....	---	---	---	---	---	---	---	---	
Guam .....	31	1	5	—	1.0	0.6	*	*	
American Samoa .....	---	---	---	---	---	---	---	---	
Northern Marianas .....	6	—	—	—	0.9	*	*	*	

\*Estimate does not meet National Center for Health Statistics standards of reliability.

— Quantity zero.

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

--- Data not available.

<sup>1</sup>Includes 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.<sup>2</sup>Race 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.<sup>3</sup>Includes all persons of Hispanic origin of any race; see Technical Notes.<sup>4</sup>Excludes data for the territories.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.



**Table I-23. Twin and triplet or higher-order multiple births, by state: United States and each state, 2017–2019**

Area	Twin		Area	Triplet or higher order <sup>1</sup>	
	Number	Rate per 1,000 live births		Number	Rate per 100,000 live births
United States . . . . .	372,137	32.7	United States . . . . .	10,728	94.1
Alabama . . . . .	6,080	34.7	Alabama . . . . .	239	136.3
Alaska . . . . .	899	29.6	Alaska . . . . .	33	108.7
Arizona . . . . .	7,424	30.7	Arizona . . . . .	238	98.4
Arkansas . . . . .	3,513	31.6	Arkansas . . . . .	79	71.1
California . . . . .	42,043	30.6	California . . . . .	1,065	77.6
Colorado . . . . .	6,029	31.7	Colorado . . . . .	106	55.7
Connecticut . . . . .	3,893	37.4	Connecticut . . . . .	79	75.8
Delaware . . . . .	1,012	31.6	Delaware . . . . .	14	43.7
District of Columbia . . . . .	931	33.4	District of Columbia . . . . .	31	111.3
Florida . . . . .	20,871	31.4	Florida . . . . .	510	76.7
Georgia . . . . .	13,098	34.3	Georgia . . . . .	371	97.2
Hawaii . . . . .	1,595	31.1	Hawaii . . . . .	47	91.6
Idaho . . . . .	2,089	31.8	Idaho . . . . .	45	68.5
Illinois . . . . .	15,183	35.0	Illinois . . . . .	480	110.5
Indiana . . . . .	7,908	32.3	Indiana . . . . .	278	113.6
Iowa . . . . .	3,764	33.1	Iowa . . . . .	89	78.2
Kansas . . . . .	3,435	31.8	Kansas . . . . .	64	59.2
Kentucky . . . . .	5,303	32.8	Kentucky . . . . .	128	79.1
Louisiana . . . . .	6,017	33.5	Louisiana . . . . .	183	101.9
Maine . . . . .	1,208	33.2	Maine . . . . .	34	93.4
Maryland . . . . .	7,137	33.5	Maryland . . . . .	234	109.9
Massachusetts . . . . .	7,246	34.7	Massachusetts . . . . .	187	89.5
Michigan . . . . .	12,061	36.6	Michigan . . . . .	349	106.0
Minnesota . . . . .	6,709	33.2	Minnesota . . . . .	212	105.0
Mississippi . . . . .	3,801	34.2	Mississippi . . . . .	116	104.5
Missouri . . . . .	7,682	35.2	Missouri . . . . .	203	92.9
Montana . . . . .	1,024	29.8	Montana . . . . .	18	52.3
Nebraska . . . . .	2,744	36.1	Nebraska . . . . .	124	163.0
Nevada . . . . .	3,171	29.8	Nevada . . . . .	75	70.4
New Hampshire . . . . .	1,214	33.8	New Hampshire . . . . .	22	61.2
New Jersey . . . . .	10,300	34.1	New Jersey . . . . .	324	107.3
New Mexico . . . . .	1,804	25.9	New Mexico . . . . .	54	77.4
New York . . . . .	23,061	34.0	New York . . . . .	713	105.2
North Carolina . . . . .	11,866	33.2	North Carolina . . . . .	344	96.1
North Dakota . . . . .	1,084	34.1	North Dakota . . . . .	42	132.0
Ohio . . . . .	13,710	33.7	Ohio . . . . .	482	118.6
Oklahoma . . . . .	4,672	31.3	Oklahoma . . . . .	105	70.4
Oregon . . . . .	4,351	34.1	Oregon . . . . .	113	88.5
Pennsylvania . . . . .	13,439	33.0	Pennsylvania . . . . .	392	96.2
Rhode Island . . . . .	1,055	33.7	Rhode Island . . . . .	26	83.0
South Carolina . . . . .	5,702	33.4	South Carolina . . . . .	130	76.1
South Dakota . . . . .	1,283	36.2	South Dakota . . . . .	21	59.2
Tennessee . . . . .	7,743	32.0	Tennessee . . . . .	233	96.2
Texas . . . . .	35,024	30.8	Texas . . . . .	1,092	95.9
Utah . . . . .	4,865	34.1	Utah . . . . .	185	129.7
Vermont . . . . .	551	33.5	Vermont . . . . .	14	85.1
Virginia . . . . .	10,135	34.0	Virginia . . . . .	285	95.7
Washington . . . . .	7,532	29.1	Washington . . . . .	222	85.9
West Virginia . . . . .	1,773	32.2	West Virginia . . . . .	50	90.8
Wisconsin . . . . .	6,519	33.9	Wisconsin . . . . .	207	107.6
Wyoming . . . . .	584	29.2	Wyoming . . . . .	41	204.7

<sup>1</sup>Includes triplet and quadruplet and other higher-order multiple births.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-24. Abnormal conditions of the newborn, by age and race and Hispanic origin of mother: United States, 2019**

[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 <sup>1</sup>
All races and origins <sup>2</sup>	Number		Rate per 1,000							Number
Assisted ventilation required immediately following delivery . . . . .	3,747,540	183,398	49.0	51.2	47.5	47.2	47.9	52.6	62.7	3,396
Assisted ventilation required for more than 6 hours . . . . .	3,747,540	61,931	16.5	16.4	15.7	15.9	16.3	18.1	22.2	3,396
NICU admission . . . . .	3,747,540	349,290	93.3	94.5	88.7	87.9	91.4	103.8	130.4	3,396
Surfactant replacement therapy given to newborn . . . . .	3,747,540	18,074	4.8	5.5	4.6	4.8	4.6	5.0	6.1	3,396
Antibiotics received by newborn for suspected neonatal sepsis . . . . .	3,747,540	76,182	20.3	25.5	21.8	19.9	19.1	19.5	23.0	3,396
Seizure or serious neurologic dysfunction . . . . .	3,747,540	1,264	0.3	0.5	0.4	0.3	0.3	0.3	0.3	3,396
Non-Hispanic, single-race <sup>3</sup>										
White:										
Assisted ventilation required immediately following delivery . . . . .	1,915,912	101,190	52.9	59.1	52.9	51.5	50.5	55.9	67.1	1,647
Assisted ventilation required for more than 6 hours . . . . .	1,915,912	34,165	17.8	18.8	17.5	17.3	17.0	19.4	24.1	1,647
NICU admission . . . . .	1,915,912	167,439	87.5	87.7	83.5	82.7	85.8	96.9	120.6	1,647
Surfactant replacement therapy given to newborn . . . . .	1,915,912	9,457	4.9	5.9	5.0	4.9	4.5	5.2	6.5	1,647
Antibiotics received by newborn for suspected neonatal sepsis . . . . .	1,915,912	37,256	19.5	23.5	20.9	19.2	18.4	19.0	22.6	1,647
Seizure or serious neurologic dysfunction . . . . .	1,915,912	761	0.4	0.6	0.4	0.4	0.4	0.4	0.5	1,647
Black:										
Assisted ventilation required immediately following delivery . . . . .	548,075	32,422	59.2	57.9	54.3	56.1	61.4	67.5	78.6	279
Assisted ventilation required for more than 6 hours . . . . .	548,075	11,344	20.7	19.2	18.7	19.6	21.8	24.2	28.2	279
NICU admission . . . . .	548,075	68,927	125.8	117.6	112.8	118.6	132.0	147.6	179.1	279
Surfactant replacement therapy given to newborn . . . . .	548,075	3,969	7.2	7.6	6.4	7.4	7.4	8.0	7.1	279
Antibiotics received by newborn for suspected neonatal sepsis . . . . .	548,075	14,593	26.6	29.4	26.3	26.2	26.5	26.5	28.8	279
Seizure or serious neurologic dysfunction . . . . .	548,075	193	0.4	0.4	0.4	0.4	0.3	0.3	0.3	279
Hispanic <sup>4</sup>										
Assisted ventilation required immediately following delivery . . . . .	886,467	32,786	37.0	38.2	34.7	34.2	37.5	42.2	50.6	618
Assisted ventilation required for more than 6 hours . . . . .	886,467	11,016	12.4	12.0	11.3	11.4	13.0	14.4	18.1	618
NICU admission . . . . .	886,467	77,642	87.6	87.8	81.1	80.2	87.8	104.1	128.4	618
Surfactant replacement therapy given to newborn . . . . .	886,467	3,188	3.6	3.8	3.0	3.4	3.7	4.1	5.5	618
Antibiotics received by newborn for suspected neonatal sepsis . . . . .	886,467	16,741	18.9	25.2	20.2	17.3	17.3	18.8	22.0	618
Seizure or serious neurologic dysfunction . . . . .	886,467	203	0.2	0.4	0.3	0.2	0.2	0.2	0.1	618

<sup>1</sup>No response reported for selected characteristic.<sup>2</sup>Includes 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 origins not stated.<sup>3</sup>Race 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.<sup>4</sup>Includes all persons of Hispanic origin of any race.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.

**Table I-25. Congenital anomalies of the newborn, by age of mother: United States, 2019**

[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 <sup>1</sup>
Anencephaly.....	3,747,540	333	8.9	12.1	10.8	9.8	7.5	7.3	4.6	5,364
Menigomyelocele or spina bifida.....	3,747,540	539	14.4	15.6	13.5	14.9	13.5	15.2	17.8	5,364
Cyanotic congenital heart disease.....	3,747,540	2,219	59.3	57.1	53.9	55.6	57.2	69.4	95.0	5,364
Congenital diaphragmatic hernia.....	3,747,540	470	12.6	11.5	11.9	12.2	12.5	12.4	21.6	5,364
Omphalocele.....	3,747,540	397	10.6	11.0	11.5	9.8	9.1	11.4	20.8	5,364
Gastroschisis.....	3,747,540	828	22.1	90.0	47.1	19.9	8.8	5.1	1.5	5,364
Limb reduction defect.....	3,747,540	441	11.8	15.0	11.9	11.1	11.4	11.7	15.4	5,364
Cleft lip with or without cleft palate.....	3,747,540	1,834	49.0	60.0	55.9	49.5	45.4	42.7	51.0	5,364
Cleft palate alone.....	3,747,540	864	23.1	22.5	22.7	23.9	22.3	23.1	25.5	5,364
Down syndrome.....	3,747,540	2,024	54.1	25.4	23.2	29.2	39.4	103.2	373.7	5,364
Suspected chromosomal disorder.....	3,747,540	1,666	44.5	34.6	36.5	36.7	36.7	62.3	153.6	5,364
Hypospadias <sup>2</sup> .....	3,747,540	2,066	55.2	50.2	55.0	53.6	56.6	56.5	58.7	5,364
Males only <sup>3</sup> .....	1,917,446	2,066	107.9	97.6	107.5	104.8	110.7	110.4	115.2	2,826

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

SOURCE: National Center for Health Statistics, National Vital Statistics System, Natality.