

CHAPTER 1

REPRODUCTIVE AND PERINATAL HEALTH, ARIZONA, 2013-2023

- 1A. PREGNANCIES BY PREGNANCY OUTCOME,
RACE/ETHNICITY, AND AGE GROUP**
- 1B. NATALITY: MATERNAL CHARACTERISTICS
AND NEWBORN'S HEALTH**
- 1C. FETAL, PERINATAL, AND MATERNAL DEATHS**
- 1D. ABORTIONS**



1A.

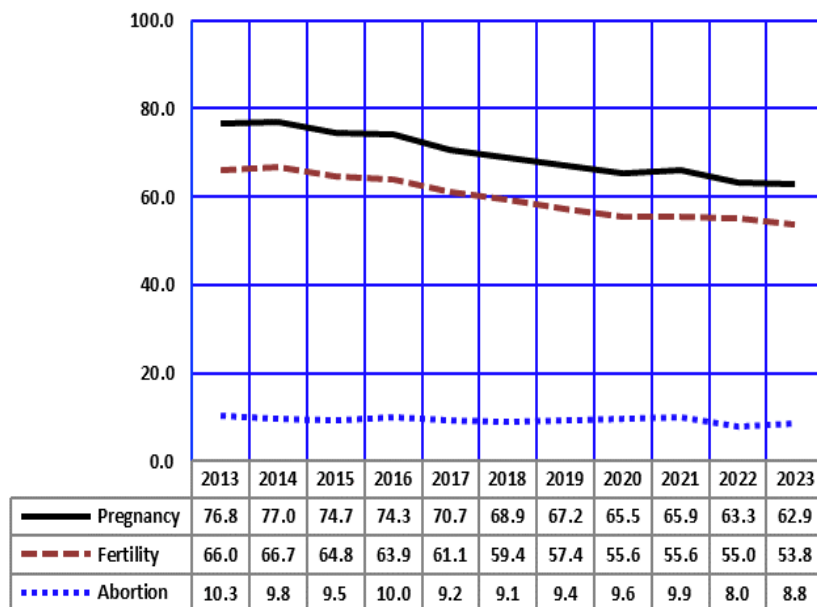
PREGNANCIES BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND AGE GROUP

The expression “reproductive and perinatal health” refers to a variety of health and sociodemographic characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. In this report, pregnancies are measured as the sum of three components: **live births** (see Section 1B), **spontaneous terminations of pregnancy** (fetal deaths or stillbirths; Section 1C), and **abortions** (Section 1D).

In Arizona there were 91,074 pregnancies in 2023 compared to 90,256 in 2022, 92,280 in 2021, and 98,762 in 2013. The number of resident live births decreased by 0.6 percent, from 78,355 in 2022 to 77,881 (**Table 1A-1**). The number of reported abortions increased by 11.4 percent, from 11,407 in 2022 to 12,705 in 2023. The number of reportable spontaneous fetal losses decreased 1.2 percent, from 494 in 2022 to 488 in 2023.

1A. PREGNANCIES BY PREGNANCY OUTCOME, ETHNICITY, AND AGE GROUP

Figure 1A-1
Pregnancy, Fertility, and Abortion Rates^a by Outcome and Year among Females of Childbearing Ages (15 – 44 years), Arizona, 2013-2023



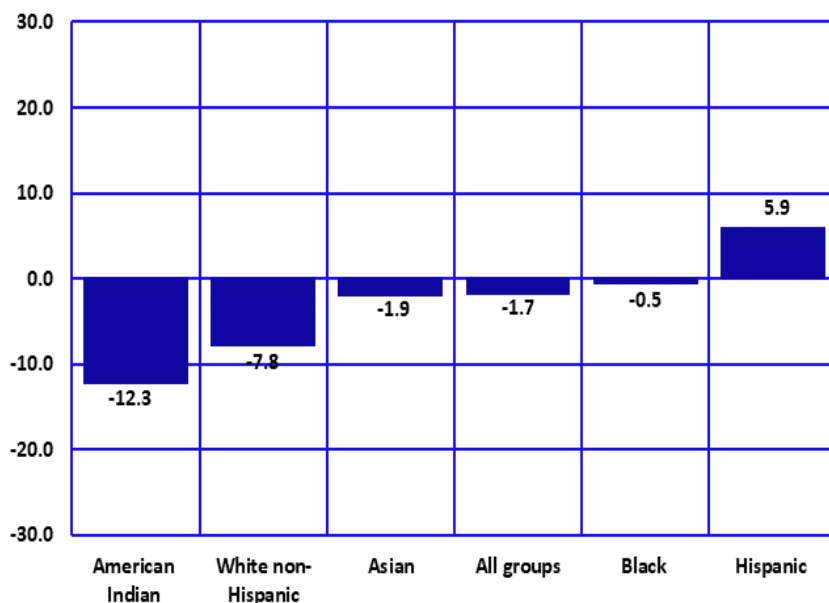
A rate is a measure of the frequency of some event (such as pregnancy, or live birth) in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. The pregnancy rate decreased from 63.3 pregnancies per 1,000 females of childbearing age in 2022 to 62.9 pregnancies per 1,000 females of childbearing age in 2023 (**Figure 1A-1, Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) also decreased from 55.0 in 2022 to 53.8 in 2023. In 2023, the fertility rate was 18.5 percent lower than the high rate recorded in 2013.

The abortion rate (the number of abortions per 1,000 women of childbearing age) increased 10.0 percent, from 8.0 per 1,000 women of childbearing age in 2022 to 8.8 in 2023.

Note: ^a All rates per 1,000 females in specified age group.

Figure 1A-2
Percent Change from 2019 to 2023 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona



Overall, pregnancies in Arizona decreased 1.7 percent from 2019 to 2023. The changes in number of pregnancies varied by race/ethnicity.

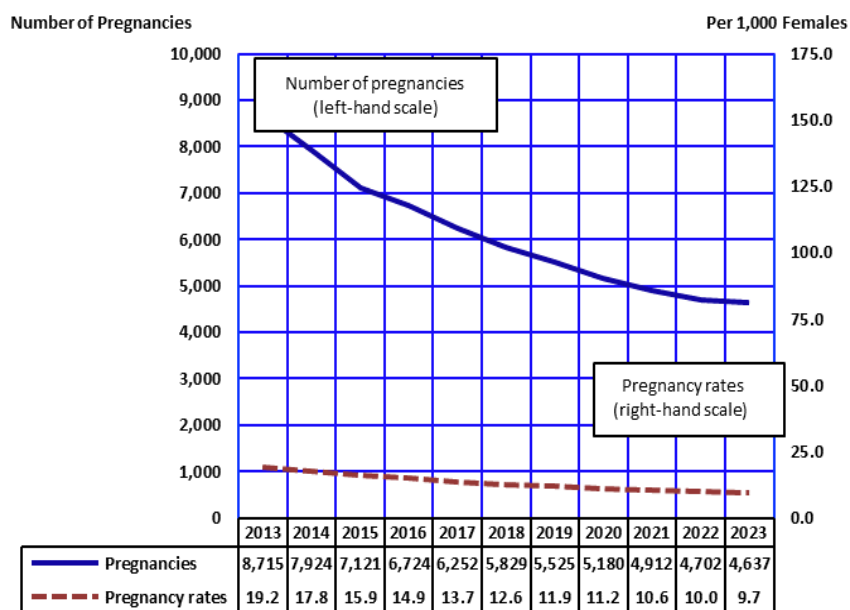
Between 2019 and 2023, while American Indian females (12.3 percent), White non-Hispanic (7.8 percent), Asian (1.9), and Black females (0.5 percent) experienced a decrease in number of pregnancies, Hispanic (5.9) witnessed an increase in their pregnancy counts (**Figure 1A-2, Table 1A-1**).

1A. PREGNANCIES BY PREGNANCY OUTCOME, ETHNICITY, AND AGE GROUP

There is a difference between pregnancy rates and the absolute number of pregnancies. The teen pregnancy rate measures the proportion of teenagers becoming pregnant in a given year; in other words, the relative “risk for pregnancy” in a population “at risk.” The number of pregnancies is also determined by the size of the population “at risk:” or in this case, by the number of teenage females in the population.

The number of teen pregnancies decreased by 46.8 percent from 8,715 in 2013 to 4,637 in 2023 (**Figure 1A-3**). The teen pregnancy rate declined even more, by 49.5 percent, from 19.2 pregnancies per 1,000 females 10-19 years in 2013 to 9.7 per 1,000 females in 2023. The number of teenage pregnancies and the teen pregnancy rate of 2023 were the lowest recorded since at least 1980.

Figure 1A-3
Trends in the Number of Pregnancies and Pregnancy Rates^a
among Females 19 or Younger, Arizona, 2013-2023

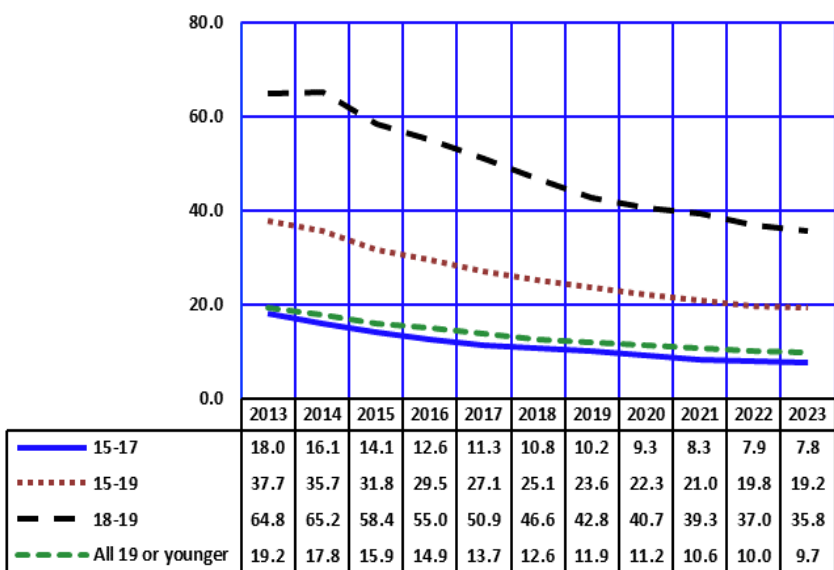


Note: ^a Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

The pregnancy rate for Arizona teenagers 15-19 years old in 2023 was 19.2 pregnancies per 1,000 females (**Figure 1A-4**, **Table 5A-2**), 3.0 percent lower than in 2022 and 49.1 percent lower than in 2013. The pregnancy rate for younger teenagers 15-17 years old declined by 56.7 percent (**Table 1A-3**) from 18.0/1,000 in 2013 to 7.8 /1,000 in 2023. The pregnancy rate for older teenagers 18-19 years old declined by 44.8 percent from 64.8/1,000 in 2013 to 35.8/1,000 in 2023 (**Table 1A-4**).

County-level information about teen pregnancies and pregnancy rates is provided in **Table 5A-2**, **Table 5A-3**, and **Table 5A-5**. Pregnancy statistics for Arizona are not available on a sub-county level.

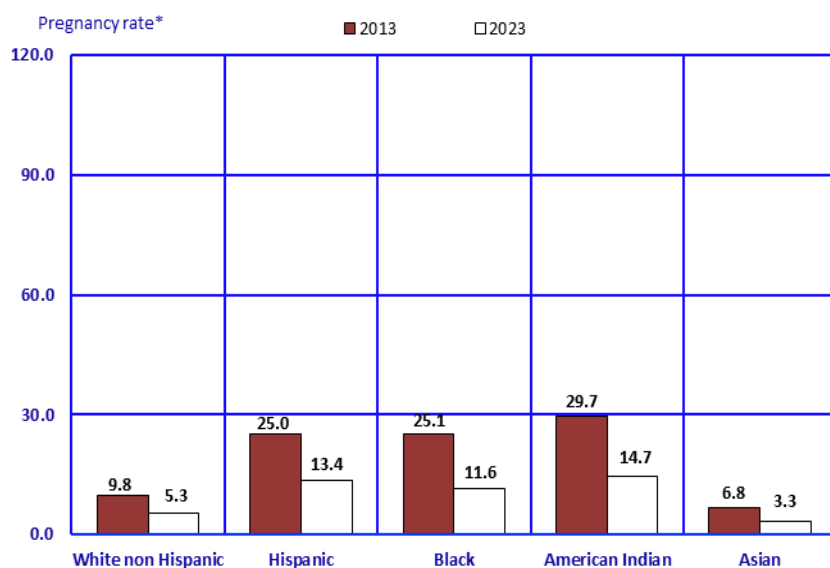
Figure 1A-4
Pregnancy Rates^a by Age Group and Year among Females
19 or Younger, Arizona, 2013-2023



Note: ^a All rates per 1,000 females in specified age group.

1A. PREGNANCIES BY PREGNANCY OUTCOME, ETHNICITY, AND AGE GROUP

Figure 1A-5
Comparison of Pregnancy Rates^a by Race/Ethnicity and Year among Females 19 or Younger in Arizona, 2013 and 2023



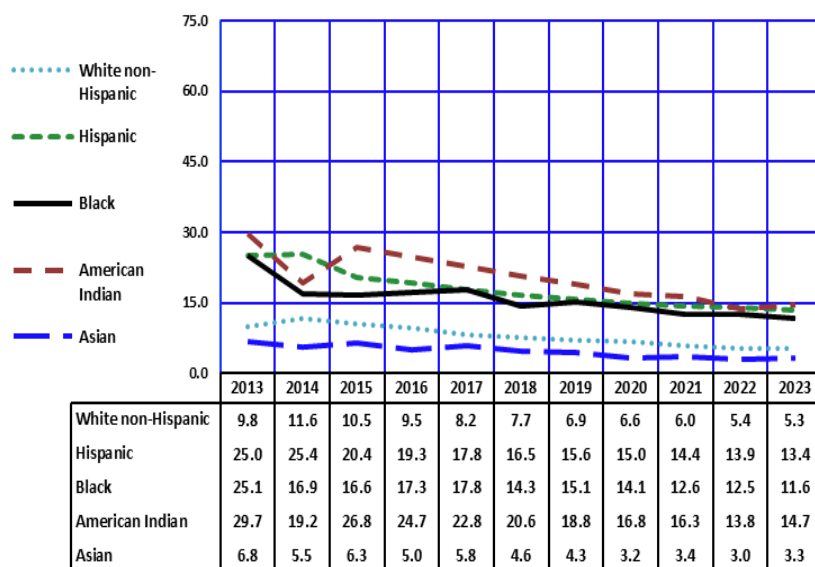
Note: ^a All rates per 1,000 females in specified age group.

Teen pregnancy rates differ by race/ethnicity.

Between 2013 and 2023, pregnancy rates among females aged 19 and younger declined for all racial/ethnic groups (**Figure 1A-5**). The steepest decline in teenage pregnancy rates was recorded for Black females, who experienced a 53.8 percent drop from 2013 to 2023. The Asian and American Indian teenage pregnancy rate also decreased greatly, by 51.5 percent for Asians and 50.5 percent for American Indians from 2013 to 2023.

The changes in annual teen pregnancy rates from 2013 to 2023 are shown in detail below.

Figure 1A-6
Pregnancy Rates^a by Race/Ethnicity and Year among Females 19 or Younger, Arizona, 2013-2023



Note: ^a All rates per 1,000 females in specified age group.

The teen pregnancy rates for all racial/ethnic groups were lower in 2023 than in 2013 (**Figure 1A-6**). Compared to 2013, the teen pregnancy rate declined substantially, to 51 percent when all racial/ethnic groups were combined (**Table 1A-5**).

From 2022 to 2023, teenage pregnancy rates decreased for White-non-Hispanic, Hispanic, and Black except for American Indian and Asians, who had an increase. The decline was greater among Black females (7.2 percent), Hispanic (3.6 percent), and White non-Hispanic (1.9 percent).

1A. PREGNANCIES BY PREGNANCY OUTCOME, ETHNICITY, AND AGE GROUP

Figure 1A-7
Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2023

In 2023, Hispanic females accounted for approximately 44.1 percent of all females 10-19 years old in Arizona. As in the past, they accounted for a large percentage of teen pregnancies (60.6 percent) and live births (62.7 percent; **Figure 1A-7**). In contrast, White non-Hispanic females made up 41.1 percent of all females 10-19 years old in Arizona, but had a lower proportional contribution to teen pregnancies (22.2 percent) and live births (20.7 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.

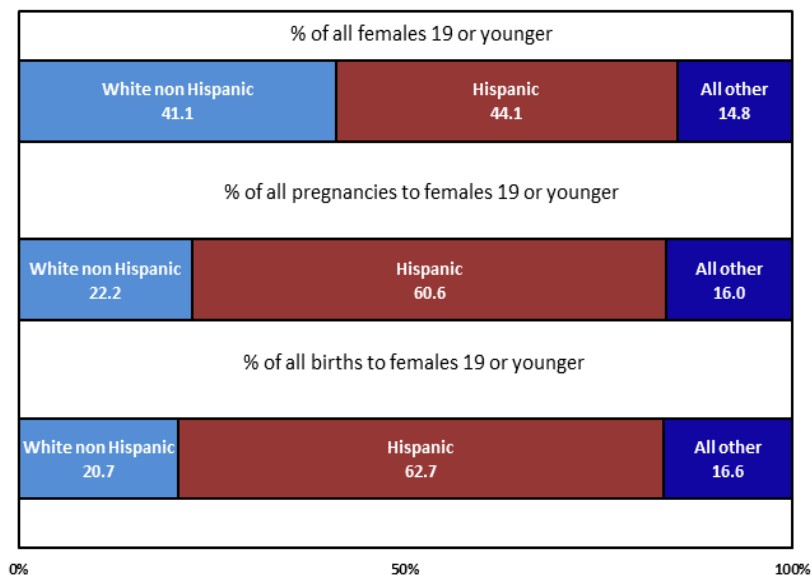
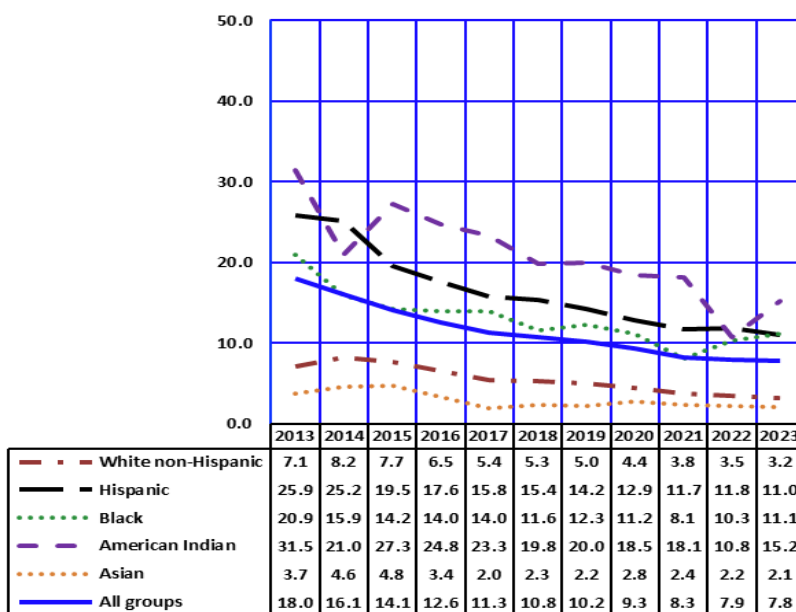


Figure 1A-8
Pregnancy Rates^a by Race/Ethnicity and Year among Females 15-17 Years: 2013-2023

The 2023 pregnancy rate among females 15-17 was the highest for American Indian females at 15.2 pregnancies per 1,000 females in the specified age group. The pregnancy rate among females 15-17 years in 2023 were lower than in 2022 for White non-Hispanic, Hispanic, and Asian females. Conversely, Black and American Indian females saw an increase from 2022 to 2023. Overall there is a significant declining trend seen since 2013 (**Figure 1A-8**).



Note: ^a All rates per 1,000 females in specified age group.

**TABLE 1A-1
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR WITH RATES^b, ARIZONA, 2013-2023**

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	40,982	45,864	43,758	43,287	40,654	39,921	39,103	37,971	38,710	36,758	36,043	53.7
Births	38,220	40,097	38,180	37,762	35,685	34,909	34,118	33,101	33,851	32,792	32,036	47.7
Abortions	2,515	5,562	5,378	5,321	4,762	4,807	4,798	4,684	4,645	3,761	3,834	5.7
Fetal deaths	247	205	200	204	207	205	187	186	214	205	173	0.3
HISPANIC OR LATINO, total:	37,469	38,396	38,841	38,892	38,001	37,848	37,864	37,385	38,570	38,873	40,087	72.6
Births	33,075	33,715	34,264	33,874	33,191	32,995	32,575	31,859	32,288	33,584	33,909	61.4
Abortions	4,189	4,499	4,350	4,823	4,639	4,679	5,093	5,349	6,080	5,103	6,011	10.9
Fetal deaths	205	182	227	195	171	174	196	177	202	186	167	0.3
BLACK OR AFRICAN AMERICAN, total:	4,955	5,551	5,485	5,688	5,838	5,926	6,295	6,410	6,521	6,213	6,265	74.0
Births	4,726	4,522	4,361	4,388	4,595	4,655	4,865	4,766	4,795	4,847	4,776	56.4
Abortions	189	981	1,074	1,253	1,196	1,229	1,372	1,594	1,662	1,314	1,428	16.9
Fetal deaths	40	48	50	47	47	42	58	50	64	52	61	0.7
AMERICAN INDIAN OR ALASKA NATIVE, total:	5,577	5,483	5,355	5,406	5,254	5,060	4,843	4,500	4,331	4,319	4,249	62.8
Births	5,476	5,145	4,984	5,030	4,866	4,709	4,462	4,087	3,906	4,010	3,902	57.7
Abortions	61	291	331	340	348	315	344	372	399	276	316	4.7
Fetal deaths	40	47	40	36	40	36	37	41	26	33	31	0.5
ASIAN OR PACIFIC ISLANDER, total:	3,589	3,720	3,774	3,960 [†]	3,941	3,838	3,786	3,541	3,568	3,553	3,714	52.2
Births	3,466	3,169	3,235	3,350	3,327	3,271	3,163	2,968	3,017	3,122	3,258	45.8
Abortions	110	534	532	608	598	552	612	550	530	413	429	6.0
Fetal deaths	13	17	7	*	16	15	11	23	21	18	27	0.4
ALL RACIAL/ETHNIC GROUPS^d, total:	98,762	99,914	98,027	98,060	94,481	93,373	92,675	90,444	92,280	90,256	91,074	62.9
Births	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881	53.8
Abortions	13,254	12,747	12,479	13,170	12,336	12,362	13,003	13,186	13,896	11,407	12,705	8.8
Fetal deaths	545	519	524	486	481	472	489	477	527	494	488	0.3
Pregnancy rate, total:	76.8	77.0	74.7	74.3	70.7	68.9	67.2	65.5	65.9	63.3	62.9	
Fertility rate^e	66.0	66.7	64.8	63.9	61.1	59.4	57.4	55.6	55.6	55.0	53.8	
Abortion rate	10.3	9.8	9.5	10.0	9.2	9.1	9.4	9.6	9.9	8.0	8.8	

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The sum of recorded live births, abortions and fetal deaths; beginning in 2003, fetal deaths are spontaneous terminations of pregnancy at 20 or more weeks of gestation (or, if the gestational period is unknown, these are the deaths of fetuses weighing 350 grams or more); ^b All rates per 1,000 females of childbearing age (15-44 years); ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females of childbearing age.

TABLE 1A-2
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES AGED 17 AND YOUNGER WITH RATES^b, ARIZONA, 2013-2023

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	448	496	462	401	327	325	298	252	228	207	196	1.3
Births	373	352	344	291	225	217	218	167	157	149	131	0.8
Abortions	72	140	117	107	100	104	79	83	69	56	65	0.4
HISPANIC OR LATINO, total:	1,443	1,292	1,144	1,055	976	953	882	802	737	750	721	4.3
Births	1,291	1,138	1,000	909	837	812	733	672	587	591	576	3.4
Abortions	142	141	131	139	136	139	144	125	148	155	140	0.8
BLACK OR AFRICAN AMERICAN, total:	140	145	106	111	111	94	100	91	72	88	95	4.1
Births	128	107	78	84	76	61	77	57	46	64	64	2.8
Abortions	9	36	27	27	34	31	22	32	25	22	31	1.3
AMERICAN INDIAN OR ALASKA NATIVE, total:	260†	217	204	191	180†	147	147	128	132	80†	108	5.6
Births	251	205	184	178	171	141	130	116	115	76	100	5.2
Abortions	*	7	17	13	*	6	14	9	16	*	8	0.4
ASIAN OR PACIFIC ISLANDER, total:	20†	25	20†	20†	10†	10†	10†	10†	15	10†	10†	0.8
Births	13	14	17	12	7	10	7	11	7	7	7	0.5
Abortions	*	11	*	*	*	*	*	*	8	*	*	**
ALL RACIAL/ETHNIC GROUPS^d, total:	2,476	2,193	1,953	1,792	1,619	1,548	1,452	1,306	1,194	1,146	1,146	3.0
Births	2,056	1,816	1,623	1,474	1,316	1,241	1,165	1,023	912	887	878	2.3
Abortions	402	352	312	308	296	299	280	271	276	250	263	0.7
Pregnancy rate, total:	6.9	6.1	5.4	5.0	4.4	4.2	3.9	3.6	3.3	3.1	3.0	
Fertility rate^e	5.8	5.1	4.5	4.1	3.6	3.4	3.1	2.8	2.5	2.4	2.3	
Abortion rate	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.7	0.7	

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total counts of pregnancies; ^b All rates per 1,000 females 10-17 years old; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 10-17 years old.

**TABLE 1A-3
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 15-17 YEARS OLD
WITH RATES^b, ARIZONA, 2013-2023**

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	434	481	451	382	319	310	290	246	213	202	188	3.2
Births	365	344	339	283	224	213	214	166	147	148	127	2.2
Abortions	66	133	111	96	93	93	75	78	64	52	61	1.0
HISPANIC OR LATINO, total:	1,390	1,262	1,103	1,015	936	925	852	767	707	723	689	11.0
Births	1,244	1,115	972	877	816	795	711	650	566	570	556	8.9
Abortions	136	134	118	131	117	128	136	113	140	149	129	2.1
BLACK OR AFRICAN AMERICAN, total:	133	138	103	104	105	90	96	88	65	84	92	11.1
Births	122	102	77	81	71	60	73	56	43	60	62	7.5
Abortions	8	34	25	23	33	28	22	31	21	22	30	3.6
AMERICAN INDIAN OR ALASKA NATIVE, total:	250†	210†	193	178	170†	140†	136	123	124	80†	107	15.2
Births	243	196	177	167	163	134	124	112	108	69	99	14.1
Abortions	*	*	13	11	*	*	12	8	15	*	8	1.1
ASIAN OR PACIFIC ISLANDER, total:	10†	23	20†	20†	10†	10†	10†	10†	10†	10†	10†	2.1
Births	11	13	17	12	6	10	7	11	*	7	7	1.3
Abortions	*	10	*	*	*	*	*	*	7	*	*	**
ALL RACIAL/ETHNIC GROUPS^d, total:	2,385	2,125	1,887	1,707	1,554	1,491	1,401	1,256	1,131	1,101	1,101	7.8
Births	1,985	1,770	1,582	1,420	1,280	1,212	1,129	995	869	854	851	6.0
Abortions	382	330	287	277	267	271	265	251	257	238	246	1.7
Pregnancy rate, total:	18.0	16.1	14.1	12.6	11.3	10.8	10.2	9.3	8.3	7.9	7.8	
Fertility rate^e	15.0	13.4	11.8	10.5	9.3	8.8	8.2	7.4	6.4	6.1	6.0	
Abortion rate	2.9	2.5	2.1	2.0	1.9	2.0	1.9	1.9	1.9	1.7	1.7	

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total counts of pregnancies; ^b All rates per 1,000 females 15-17 years old; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 15-17 years old.

TABLE 1A-4
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 18-19 YEARS OLD
WITH RATES^b, ARIZONA, 2013-2023

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	1,602	1,759	1,562	1,433	1,248	1,170	1,043	1,000	915	842	835	20.2
Births	1,408	1,405	1,187	1,056	939	872	781	724	659	617	587	14.2
Abortions	185	348	371	369	300	292	256	276	249	218	243	5.9
HISPANIC OR LATINO, total:	3,175	3,078	2,764	2,668	2,537	2,377	2,308	2,234	2,190	2,126	2,091	49.5
Births	2,789	2,675	2,409	2,227	2,137	1,982	1,861	1,741	1,596	1,636	1,603	38.0
Abortions	367	390	336	425	390	389	437	486	582	479	478	11.3
BLACK OR AFRICAN AMERICAN, total:	397	345	294	320	339	278	305	293	280	268	241	41.0
Births	379	287	234	232	253	210	203	200	171	193	167	28.4
Abortions	14	54	58	86	83	65	98	92	102	70	72	12.3
AMERICAN INDIAN OR ALASKA NATIVE, total:	530 [†]	417	423	388	369	347	309	263	246	243	242	53.8
Births	524	397	385	362	348	322	280	226	227	218	212	47.2
Abortions	*	18	34	25	18	25	24	30	18	23	28	6.2
ASIAN OR PACIFIC ISLANDER, total:	70 [†]	67	72	61	79	62	62	41	43	40	47	12.6
Births	66	43	46	39	48	32	33	20	15	25	26	7.0
Abortions	*	24	25	22	31	30	28	20	28	15	21	5.6
ALL RACIAL/ETHNIC GROUPS^d, total:	6,239	5,731	5,168	4,932	4,633	4,281	4,073	3,874	3,718	3,556	3,491	35.8
Births	5,166	4,807	4,261	3,916	3,725	3,418	3,158	2,911	2,668	2,689	2,595	26.6
Abortions	1,039	897	877	989	883	847	889	947	1,023	842	876	9.0
Pregnancy rate, total:	64.8	65.2	58.4	55.0	50.9	46.6	42.8	40.7	39.3	37.0	35.8	
Fertility rate^e	53.6	54.7	48.2	43.7	41.0	37.2	33.2	30.6	28.2	28.0	26.6	
Abortion rate	10.8	10.2	9.9	11.0	9.7	9.2	9.3	9.9	10.8	8.8	9.0	

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total count of pregnancies; ^b All rates per 1,000 females 18-19 years old; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 18-19 years old.

**TABLE 1A-5
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 19 AND YOUNGER,
WITH RATES^b, ARIZONA, 2013-2023**

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	2,050	2,255	2,024	1,834	1,575	1,495	1,341	1,252	1,143	1,049	1,031	5.3
Births	1,781	1,757	1,531	1,347	1,164	1,089	999	891	816	766	718	3.7
Abortions	257	488	488	476	400	396	335	359	318	274	308	1.6
HISPANIC OR LATINO, total:	4,618	4,370	3,908	3,723	3,513	3,330	3,190	3,036	2,927	2,876	2,812	13.4
Births	4,080	3,813	3,409	3,136	2,974	2,794	2,594	2,413	2,183	2,227	2,179	10.4
Abortions	509	531	467	564	526	528	581	611	730	634	618	2.9
BLACK OR AFRICAN AMERICAN, total:	537	490	400	431	450	372	405	384	352	356	336	11.6
Births	507	394	312	316	329	271	280	257	217	257	231	8.0
Abortions	23	90	85	113	117	96	120	124	127	92	103	3.6
AMERICAN INDIAN OR ALASKA NATIVE, total:	787	634	627	579	546	495	453	391	378	325	350	14.7
Births	775	602	569	540	519	463	410	342	342	294	312	13.1
Abortions	8	25	51	38	23	31	38	39	34	28	36	1.5
ASIAN OR PACIFIC ISLANDER, total:	80†	92	92	77	89	74	73	55	58	52	58	3.3
Births	79	57	63	51	55	42	40	31	22	32	33	1.9
Abortions	*	35	28	26	34	32	32	23	36	20	25	1.4
ALL RACIAL/ETHNIC GROUPS^d, total:	8,715	7,924	7,121	6,724	6,252	5,829	5,525	5,180	4,912	4,702	4,637	9.7
Births	7,222	6,623	5,884	5,390	5,041	4,659	4,323	3,934	3,580	3,576	3,473	7.3
Abortions	1,441	1,249	1,189	1,297	1,179	1,146	1,169	1,218	1,299	1,092	1,139	2.4
Pregnancy rate, total:	19.2	17.8	15.9	14.9	13.7	12.6	11.9	11.2	10.6	10.0	9.7	
Fertility rate^e	15.9	14.9	13.1	12.0	11.1	10.1	9.3	8.5	7.8	7.6	7.3	
Abortion rate	3.2	2.8	2.7	2.9	2.6	2.5	2.5	2.6	2.8	2.3	2.4	

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total counts of pregnancies; ^b All rates per 1,000 females 19 or younger; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 19 or younger.

TABLE 1A-6
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2023
PREGNANCIES BY OUTCOME:

	All ages	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un- known
All groups	Total pregnancies	91,074	50†	1,100†	3,491	18,841	26,846	24,895	12,704	2,957	190†
	Births	77,881	27	851	2,595	14,878	23,138	22,326	11,373	2,527	164
	Abortions^b	12,705	17	246	876	3,879	3,582	2,439	1,248	394	24
	Fetal deaths	490†	*	*	20	84	126	130	83	36	*
White non Hispanic	Total pregnancies	36,043	10†	188	840†	5,681	10,660	11,208	6,012	1,346	100†
	Births	32,040†	*	127	587	4,640	9,521	10,381	5,513	1,171	90
	Abortions^b	3,830†	*	61	243	1,022	1,086	781	466	160	11
	Fetal deaths	170†	0	0	*	19	53	46	33	15	*
Hispanic or Latino	Total pregnancies	40,087	30†	690†	2,091	10,311	12,272	9,352	4,251	1,031	60†
	Births	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51
	Abortions^b	6,011	11	129	478	2,122	1,689	979	461	136	6
	Fetal deaths	170†	*	*	10	36	38	39	24	14	*
Black or African American	Total pregnancies	6,270†	0†	92	240†	1,310	1,814	1,700	880	210†	10†
	Births	4,780†	*	62	167	925	1,372	1,313	744	183	8
	Abortions^b	1,430†	*	30	72	368	429	369	128	28	*
	Fetal deaths	60†	0	0	*	17	13	18	8	*	0
American Indian or Alaska Native	Total pregnancies	4,250†	0†	107	240†	1,055	1,099	1,068	570†	110†	0†
	Births	3,902	*	99	212	941	1,017	1,003	530	95	*
	Abortions^b	320†	0	8	28	108	74	57	30	11	0
	Fetal deaths	30†	0	0	*	6	8	8	*	*	0
Asian or Pacific Islander	Total pregnancies	3,714	0	10†	47	310	784	1,409	906	230†	10†
	Births	3,260†	0	7	26	219	683	1,295	820	197	11
	Abortions^b	429	0	*	21	91	93	105	78	34	*
	Fetal deaths	30†	0	0	0	0	8	9	8	*	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The sum of recorded live births, spontaneous fetal losses and abortions; ^b Abortions include unknown or multiple race.

**TABLE 1A-7
PREGNANCY RATES^a AND NUMBER OF LIVE BIRTHS, FETAL DEATHS, AND
ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2023**

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Abortions	Spontaneous fetal losses	Number	Rate
10	45,690	0	0	0	0	0.0
11	46,570	0	0	0	0	0.0
12	48,659	0	*	0	*	**
13	48,750	*	*	0	6	0.1
14	48,035	23	14	*	38	0.8
10-14	237,704	27	17	*	45	0.2
15	47,719	95	39	*	136	2.9
16	47,487	265	77	0	342	7.2
17	46,096	491	130	*	623	13.5
15-17	141,302	851	246	*	1,101	7.8
18	48,290	936	362	9	1,307	27.1
19	49,345	1,659	514	11	2,184	44.3
18-19	97,635	2,595	876	20	3,491	35.8
Total 10-19	476,641	3,470 [†]	1,140 [†]	30 [†]	4,640 [†]	9.7

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; [†] Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Rates per 1,000 female population in specific group.



1B.

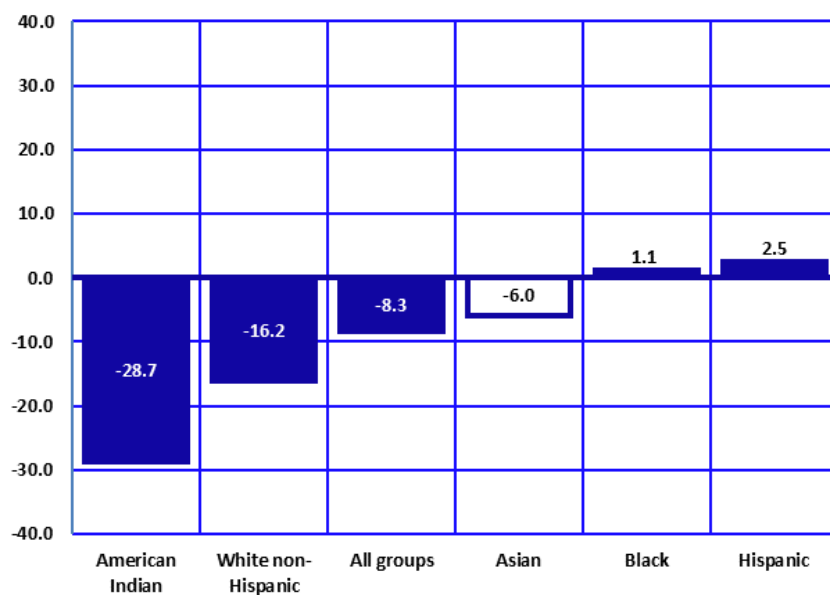
NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

From 2022 to 2023, the number of residents' births decreased by 0.6 percent from 78,355 (2022) to 77,881 (2023), representing a decrease of 474 births.

There were striking differences in how the number of births changed from 2013 to 2023 by mother's race/ethnicity. Compared to 2013, the number of births for all combined racial/ethnic groups was 8.3 percent lower in 2023. Taken separately, while the number of births rose by 1.1 percent for Black or African American mothers and 2.5 percent for Hispanic mothers between 2013 and 2023, the remaining racial/ethnic groups witnessed a decline in their birth counts, with American Indian women experiencing most of the decrease (28.7) during the period of time under consideration (**Figure 1B-1**).

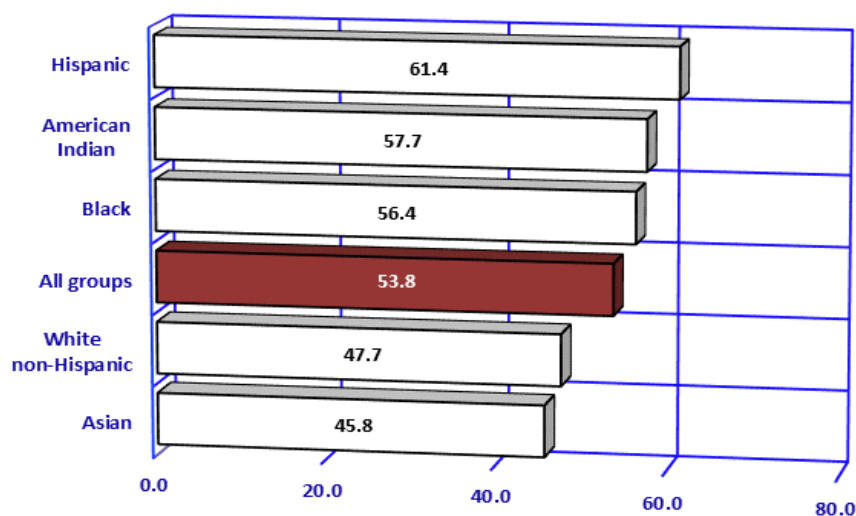
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-1
Percent Change from 2013 to 2023 in the Number of Resident Live Births by
Mother's Race/Ethnicity, Arizona



From 2013 to 2023, the number of resident live births declined by 8.3 percent (**Figure 1B-1**). Three of the five racial/ethnic groups experienced a decrease in the number of live births, with the exception of Blacks and Hispanics. The magnitude of the reduction in the number of births was the largest among American Indians (28.7 percent), White non-Hispanics (16.2 percent), and Asians (6.0 percent).

Figure 1B-2
General Fertility Rates^a by Race/Ethnicity among Females of all Ages,
Arizona, 2023



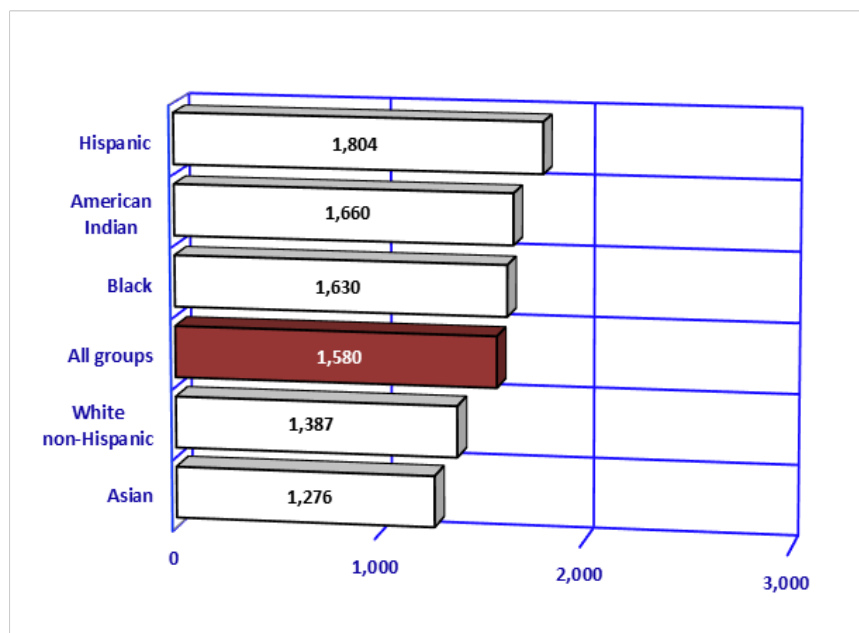
From among 1,446,984 women of childbearing age (15-44 years), 77,688 (99.8 percent) of 77,881 total births in 2023 were from mothers in this age group. The *general fertility rate* (the number of births per 1,000 women 15-44 years old GFR) was the highest for Hispanic females followed by American Indian and Black females. The GFR for Asian females was the lowest of all racial/ethnic groups.

A comparison of fertility rates by county in Arizona is provided in **Table 5A-1**.

Note: ^a Number of births per 1,000 females 15-44 years old in specified group.

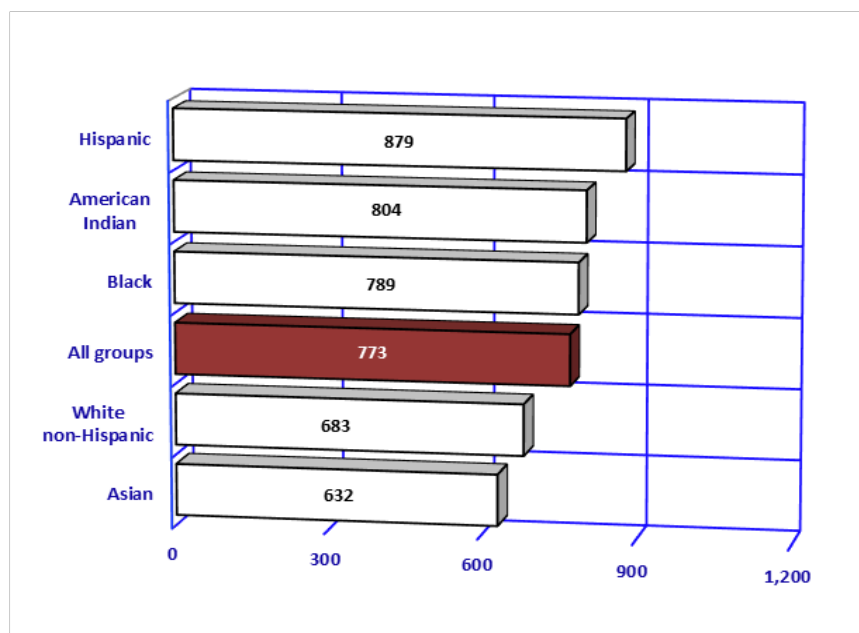
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-3
Total Fertility Rates^a by Race/Ethnicity, Arizona, 2023



Notes: ^a The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 1,580 above for example, means that if a hypothetical group of 1,000 women were to have the same birth rates in each age group that were observed in the actual childbearing population in 2023, they would have a total of 1,580 children (or 1.6 children each) by the time they reached the end of the reproductive period (taken here as age 50), assuming that all of the women survived to that age.

Figure 1B-4
Gross Reproduction Rates^a by Race/Ethnicity, Arizona, 2023



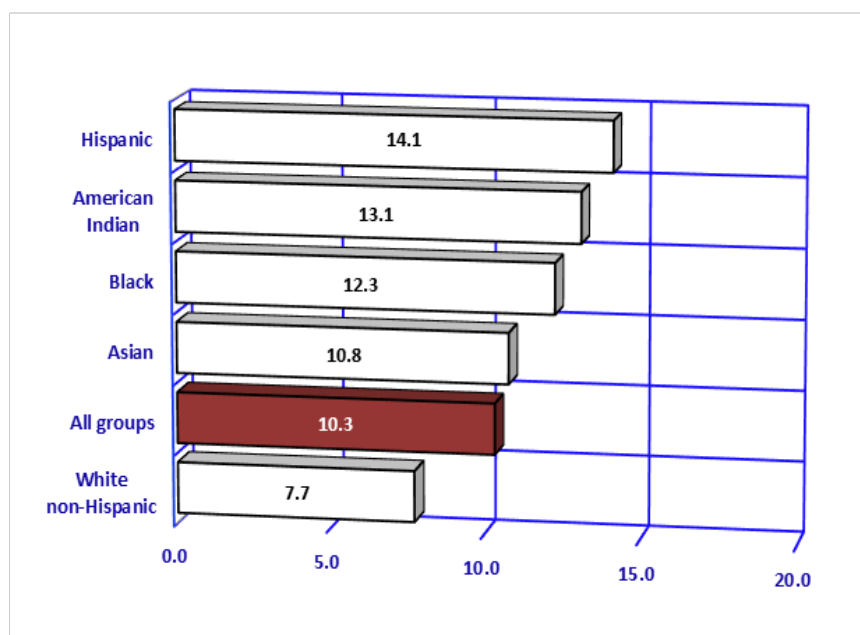
Notes: ^a The sum of birth rates by 5-year age groups multiplied by the proportion of births which were female. The gross reproduction rate represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years, and if none of the cohort was to die during their childbearing years.

The *total fertility rate* (TFR) indicates the average number of births to a hypothetical cohort of 1,000 women, if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. From 2003 to 2008, Arizona's TFRs always exceeded the rate of "replacement" (2,110 births per 1,000 women. The "replacement" rate is considered the value at which a given generation can exactly replace itself. The TFR was 1,981 births per 1,000 women of childbearing age in 2013, decreasing to 1,580 in 2023 (**Table 1B-1**). In 2023, The TFR for Hispanic women (1,804) was the highest of all racial/ethnic groups and was still 14.5 percent lower than the generation replacement rate. The rate for Asian women (1,276), the lowest of all groups, was 39.5 percent lower than the replacement rate.

Another measure used to summarize reproduction patterns is the *gross reproduction rate* (GRR). It represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. This measure is similar to the total fertility rate except that it measures only female births, since reproduction is largely dependent on the number of females in a given population. In 2023, the gross reproduction rates in Arizona ranged from 632 for Asian women to 879 for Hispanic women (**Figure 1B-4**, **Table 1B-1**).

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-5
Birth Rates^a by Race/Ethnicity, Arizona, 2023



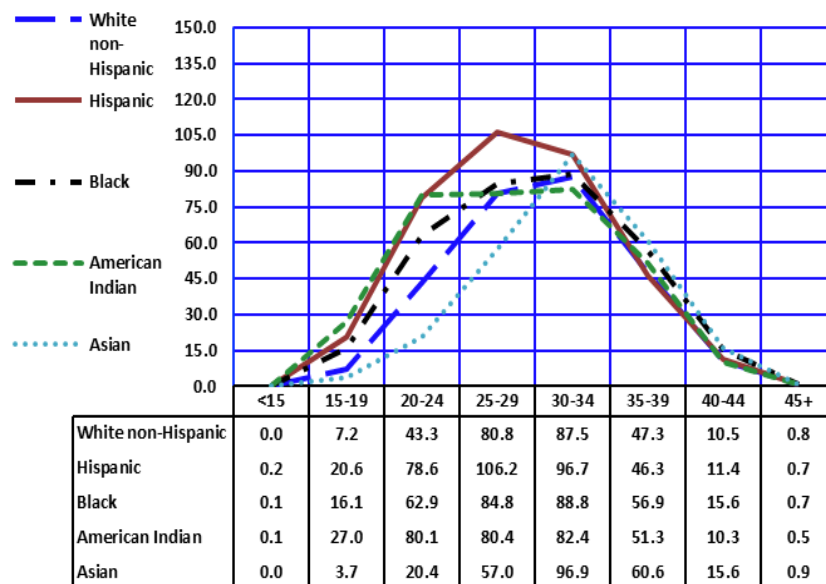
Note: ^a Number of births per 1,000 population in specified group.

The crude birth rate, often simply called the birth rate, relates the number of births to the total population in a specified group. The birth rate is expressed as the total number of births per 1,000 persons, without regard to the age or sex distribution of the population.

The birth rate for Arizona decreased from 10.6 in 2022 to 10.3 in 2023 (**Table 1B-1**).

In 2023, the crude birth rates by mother's race/ethnicity ranged from 7.7 births per 1,000 White non-Hispanics to 14.1 per 1,000 Hispanics (**Figure 1B-5**).

Figure 1B-6
Birth Rates^a by Mother's Age Group and Race/Ethnicity, Arizona, 2023



Note: ^a Number of births per 1,000 females in specified group.

The age-specific birth rates (the number of births to mothers in a particular age group per 1,000 women in that age group) differed substantially by race/ethnicity (**Figure 1B-6**).

In 2023, American Indian and Hispanic women had the highest birth rates for women under the age of 25 years. The birth rates for women between the ages of 30-34 were highest among Asian, Hispanic, and Black, women and those between ages 35-39 were the highest among Asian and Black women. In general, Hispanic, Black, and American Indian women tend to give birth at younger ages (less than 25 years of age) than Asian and non-Hispanic White women.

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Figure 1B-7
Percent of Births to Unmarried Mothers by Age Group, Arizona, 2023

Unmarried mothers have accounted for a large portion of births with more than 4 of every 10 births in Arizona (**Table 1B-2**). In 2023, 35,407 infants were born to unmarried mothers compared to 38,352 in 2013. It is important to note that beginning 2015, divorced mothers have been included in the proportion of unmarried mothers; therefore, caution should be exercised in comparing data for this year to those of the previous years.

In 2013, the proportion of births among unmarried women aged 20-24 years was 66.0 percent, while in 2023, approximately 72.0 percent of mothers 20-24 years old were unmarried (**Figure 1B-7**).

Births and birth ratios by mother's marital status, age group, and race/ethnicity are given in (**Table 1B-22**). County-level information is provided in (**Table 5B-14** and **5B-15**).

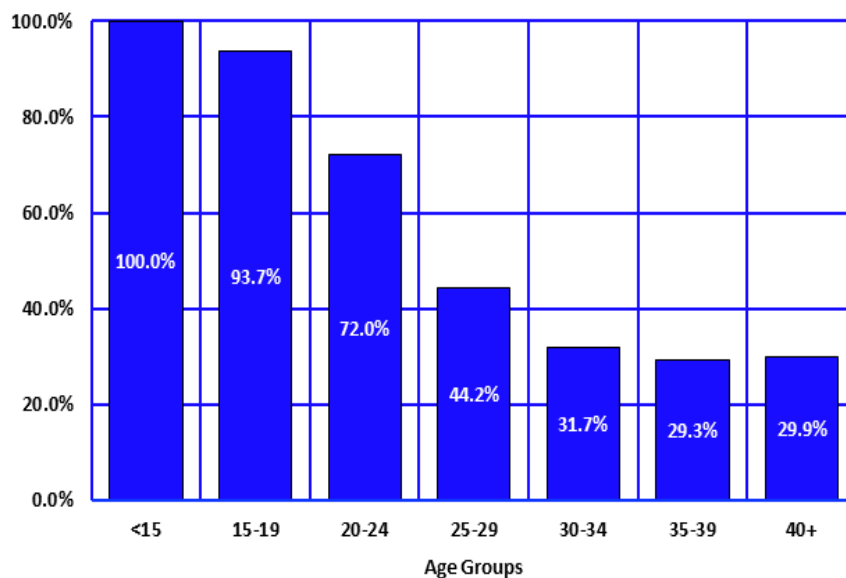
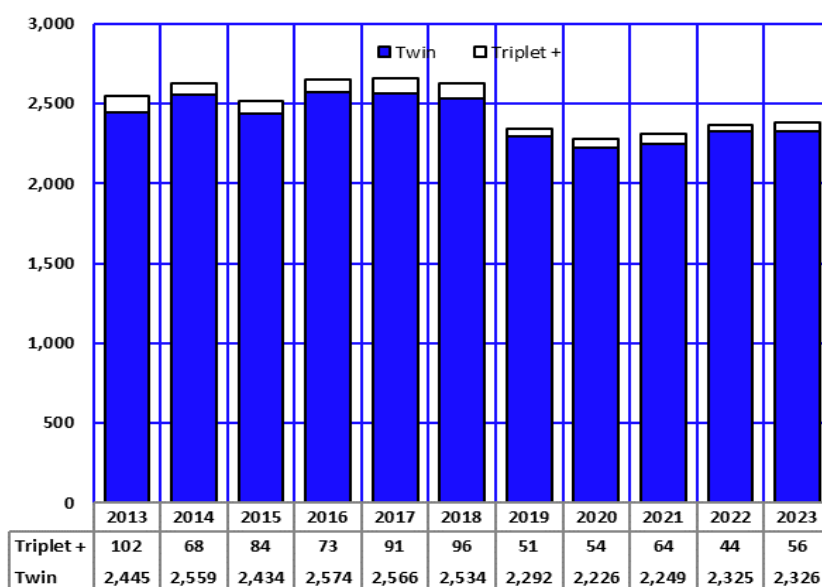


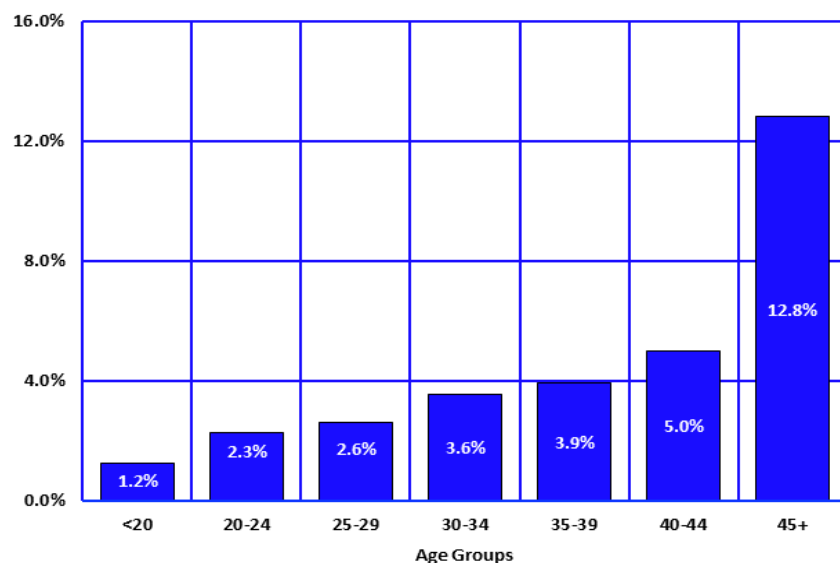
Figure 1B-8
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2013-2023

The number of multiple birth events in Arizona declined from 2,547 in 2013 to 2,382 in 2023 (**Figure 1B-8**). The number of babies born in twin deliveries decreased from 2,445 in 2013 to 2,326 in 2023 (**Figure 1B-8**). The number of triplets and higher order multiple birth events decreased by 45.1 percent from 102 in 2013 to 56 in 2023.



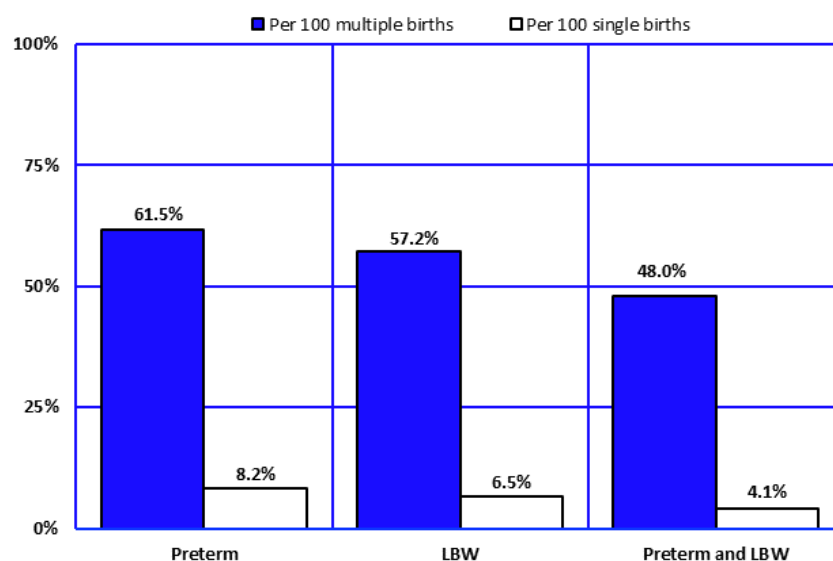
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-9
Multiple Births by Mother's Age Group, Arizona, 2023



In 2023, the proportion of multiple births gradually increased with maternal age among mothers below 40-44 years of age and then sharply increased among mothers age 45 years and older. Among women aged 45 years and older, 12.8 percent of all births were twins, triplets, or quadruplets (**Figure 1B-9**). The percent of all births that were multiple births to women age 45 and over increased from 2.6 percent in 2020, 5.1 percent in 2021 to 9.5 percent in 2022. Ongoing monitoring of multiple births among older mothers will help better understand the recent variation that has been found in this measure.

Figure 1B-10
Infants Born too Early (Preterm)^a and Infants Born too Small (LBW)^b among Multiple and Single Births, Arizona, 2023



Infants born in multiple deliveries tend to be born at shorter gestation age and with low birth weight than those born in singleton deliveries (**Figure 1B-10**). In 2023, infants born in multiple deliveries were 7.5 times more likely (61.5 vs. 8.2 percent) to be born earlier than expected (at less than 37 completed weeks of gestation) and smaller (at less than 2,500 grams) than singleton births.

Preterm birth is a leading cause of infant morbidity and mortality, accounting for about 61.5 percent of all infant deaths (only those with matching death records); (**Figure 2C-4** in section 2C). The weight of the newborn also is an important predictor of future morbidity and mortality. In 2023, infants born at very low birth weight (<1,500 grams) accounted for 46.1 percent of all infant deaths (**Figure 2C-3**).

Notes: ^a Preterm is < 37 weeks of gestation; ^b Low birthweight is less than 2,500 grams or 5 pounds 8 ounces.

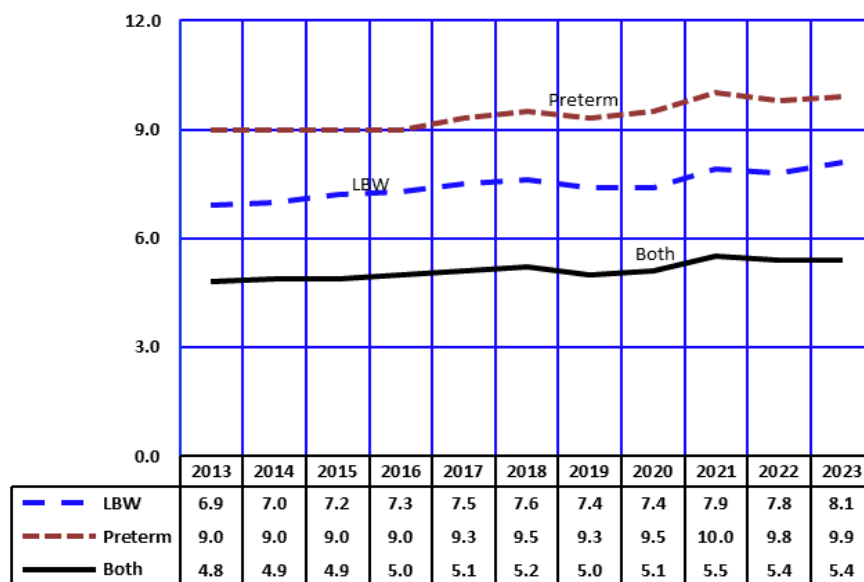
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-11
Preterm^a and Low Birthweight (LBW)^b Births by Year,
Arizona, 2013-2023

The proportion of preterm births reached 9.9 percent of all births in 2023, a slight increase from 9.8 percent in 2022.

The proportion of infants born prematurely and who were also low birth weight (LBW; at less than 2,500 grams) slightly decreased from 5.5/100 births in 2021 to 5.4/100 births in 2022 and 2023 (**Figure 1B-11**).

Detailed characteristics of births by birthweight and gestational age are provided in (**Table 1B-32**). Comparative data by county of residence are available in (**Table 5B-16** – **Table 5B-24**).

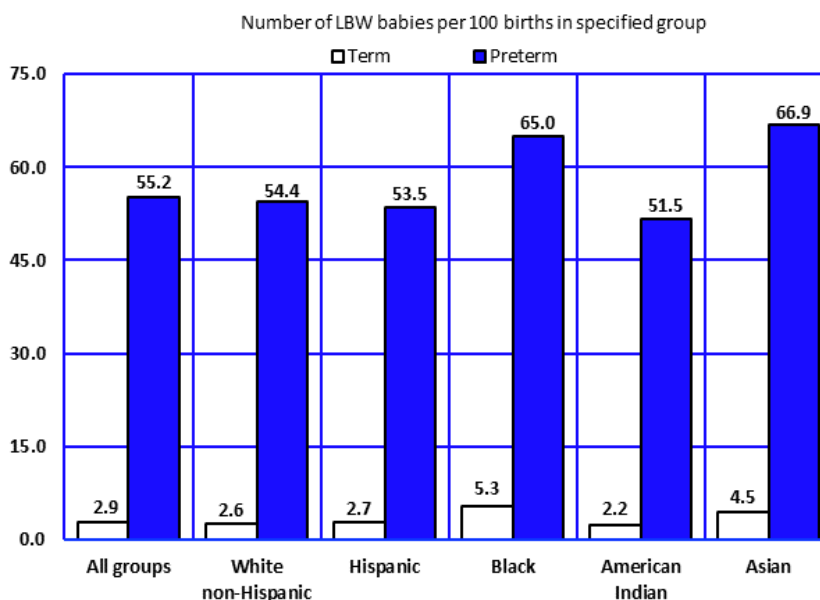


Notes: ^a Preterm: < 37 weeks of gestation; ^b Low birthweight (less than 2,500 grams or 5 pounds 8 ounces); In this report, the primary measure used to determine the gestational age is the clinical estimate of gestation as reported on the birth certificate.

Figure 1B-12
Low-Birthweight (LBW) Births by Length of Gestation and Mother's
Race/Ethnicity, Arizona, 2023

In 2023, 8.1 percent of all babies were born at low birthweight (LBW), (weight less than 2,500 grams or 5 pounds 8 ounces), representing a slight increase from the rate recorded in 2013 (6.9 percent) (**Table 1B-2**). Preterm delivery is the strongest risk factor for LBW. Infants born at less than 37 completed weeks of gestation were 19.0 times (55.2 vs. 2.9 percent) more likely to be LBW than infants born at term (**Figure 1B-12**). Approximately, seven out of ten (67.5 percent) LBW babies born in 2023 were preterm (**Table 1B-3**).

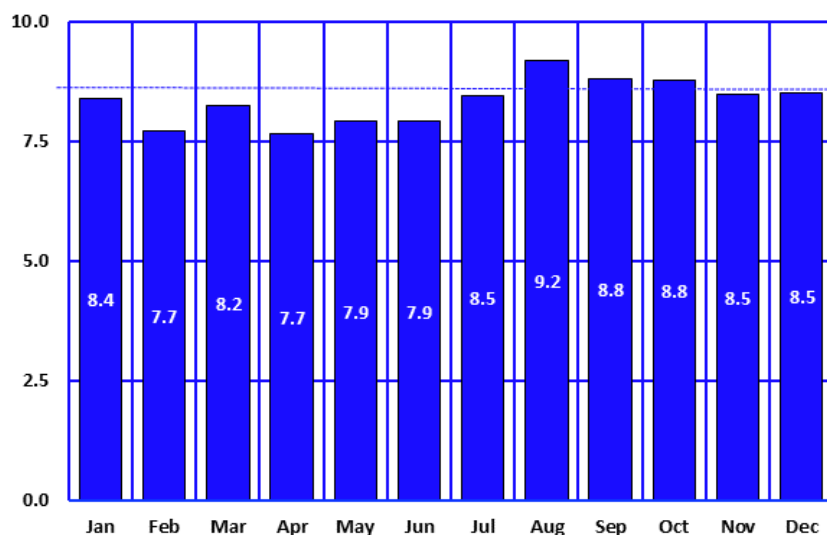
County-level data for LBW newborns are available in (**Tables 5B-16** – **5B-23**). Community level information is in (**Table 9A**).



Notes: Number of LBW babies per 100 births in specified group; Preterm: < 37 weeks of gestation; Low birthweight (less than 2,500 grams or 5 pounds 8 ounces).

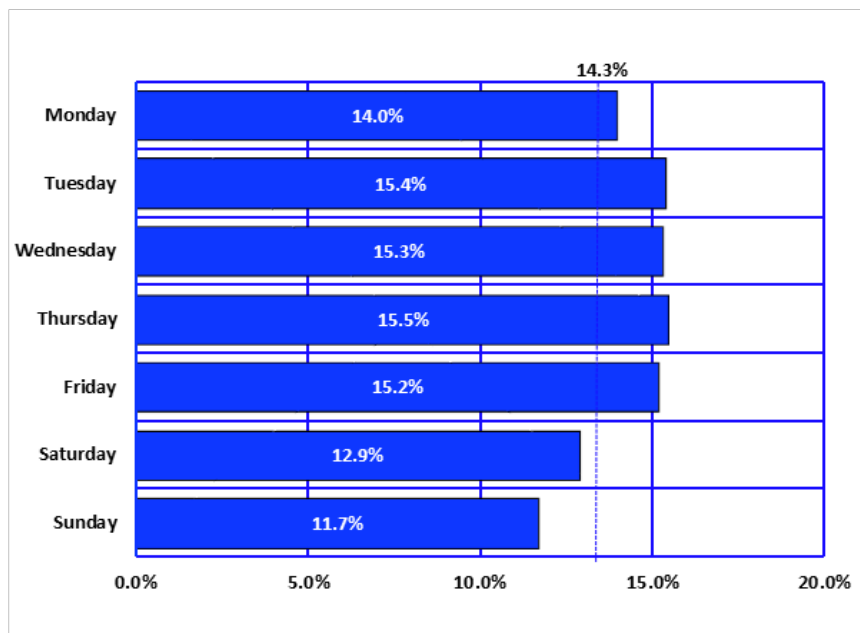
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-13
Percent of Resident Births by Month, Arizona, 2023



In 2023, monthly births in Arizona averaged around 8.3 percent. (**Figure 1B-13**). In 2023, the seasonal fluctuation of the frequency of births is marked by 2 raised peaks in August (9.2 percent), September and October (8.8 percent), compared to other months throughout the year.

Figure 1B-14
Percent of Resident Births by Day of the Week, Arizona, 2023



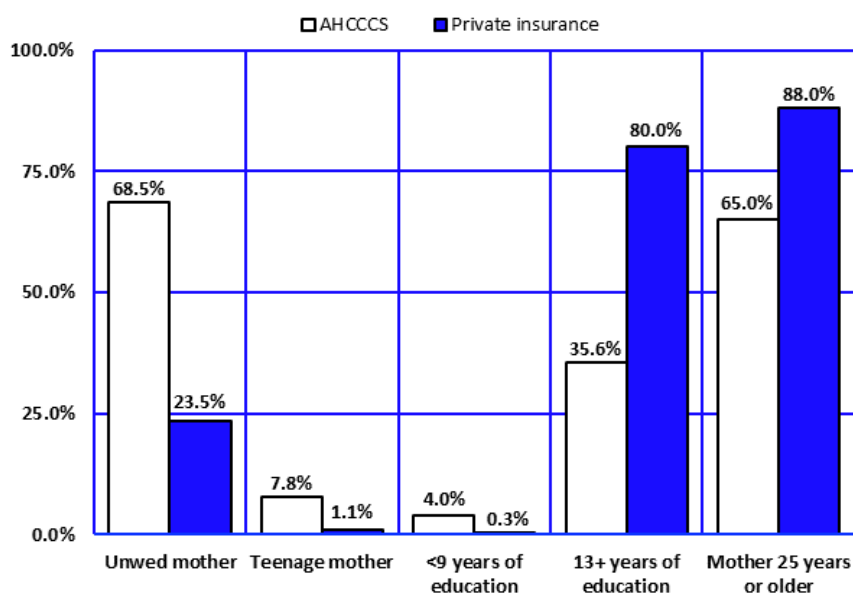
On average, 213 infants were born per day in 2023 to Arizona residents. The daily percent of resident live births in 2023 was substantially lower on weekends than on weekdays (**Figure 1B-14**). Many studies suggest that weekly, daily, and hourly variations observed in hospitals and clinics are not due to a biological rhythm of labor, but to increased frequency of obstetric interventions in the timing of delivery (induced labors and elective cesarean deliveries), making it more aligned with the work week schedule.

In 2023, only 8.7 percent of cesarean deliveries occurred on Sundays, compared to 15.7 percent on Mondays. The average rate of induction of labor was substantially lower on weekend days (12.7 percent) than it was on weekdays (14.9 percent).

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

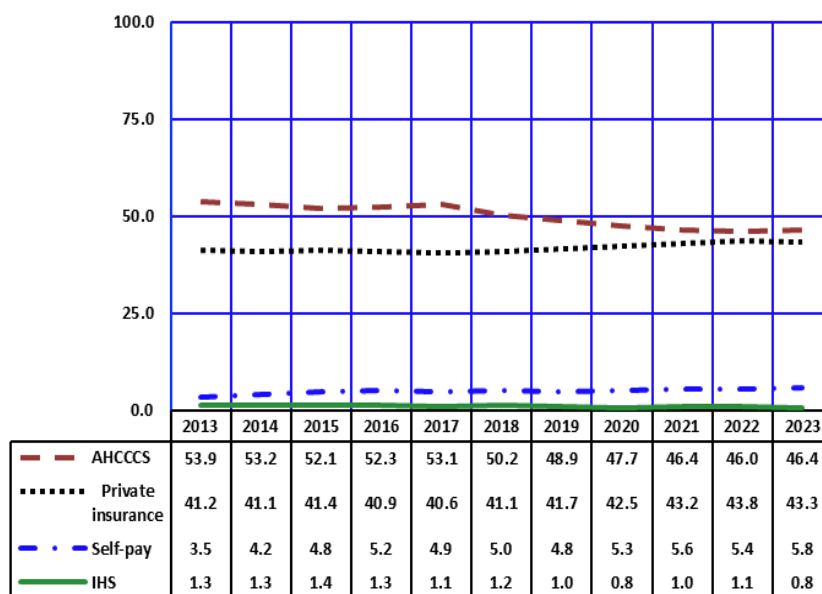
The number of years of maternal education was the only possible proxy of socioeconomic status (SES) on the birth certificate prior to 1989. Paying party for the delivery became another SES indicator in 1989. The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid Program) versus private health insurance (PHI) compares mothers of lower and higher SES respectively. PHI mothers were 2.2 times more likely to have some college education or higher (13+ years of education) than were AHCCCS mothers (80.0 and 35.6 percent respectively, **Figure 1B-15**). Mothers recipient AHCCCS were more likely to be unmarried (68.5%) than their counterparts with PHI. Nine out of ten mothers with PHI were at least 25 years old compared to 7 out of 10 AHCCCS mothers.

Figure 1B-15
Comparison of Selected Sociodemographic Characteristics by the Payer for Delivery, Arizona, 2023



Note: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

Figure 1B-16
Births by Payer and Year, Arizona, 2013-2023

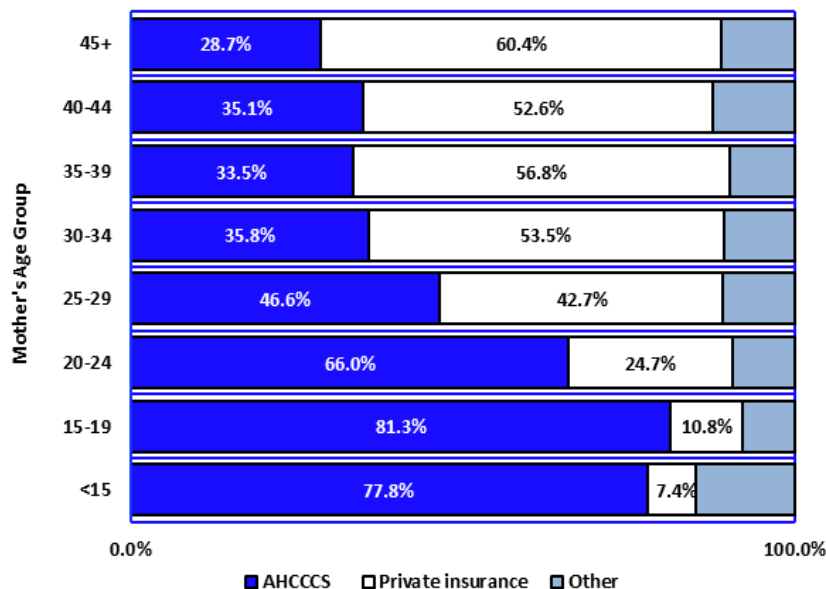


Since 2002, the share of resident births paid for by AHCCCS has exceeded the share paid by private health insurance (**Figure 1B-16**). In 2013, private insurance funded 41.2 percent of births and AHCCCS paid for 53.9 percent of births. The share of AHCCCS funded births varied little from 2013 to 2023. The share of private health insurance also remained stable during this time period. In 2023, the proportion of births paid by AHCCCS decreased 13.9 percent, while the percent of births paid by a private insurance increased 5.1 percent. In 2023, 5.8 percent of births were paid by mothers themselves and/or their families (i.e. self-pay). The Indian Health Service (IHS) paid for 0.8 percent of the births in 2023, a slight decrease from last year (**Table 1B-25 and Table 1B-27**).

Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; IHS is the Indian Health Service.

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

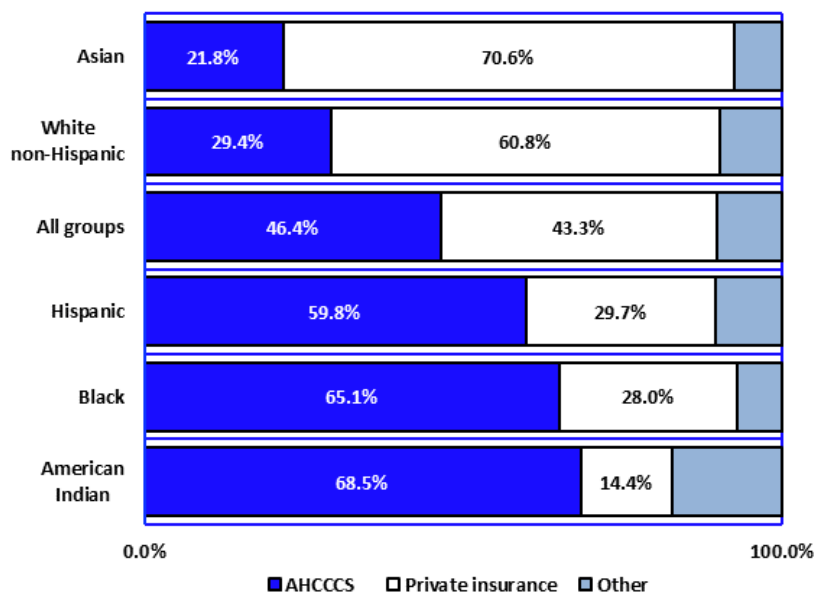
Figure 1B-17
Payer for Delivery by Mother's Age Group, Arizona, 2023



Note: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

In 2023, the Arizona Health Care Cost Containment System (AHCCCS) paid for the majority of the deliveries to mothers 29 years or younger (**Figure 1B-17**). In contrast, private insurance was the largest payer for the deliveries of women aged 30 years old or older in 2023 (based on data in **Table 1B-28**).

Figure 1B-18
Payer for Delivery by Mother's Race/Ethnicity, Arizona, 2023



Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; Other includes Indian Health Service, self-pay, or unknown.

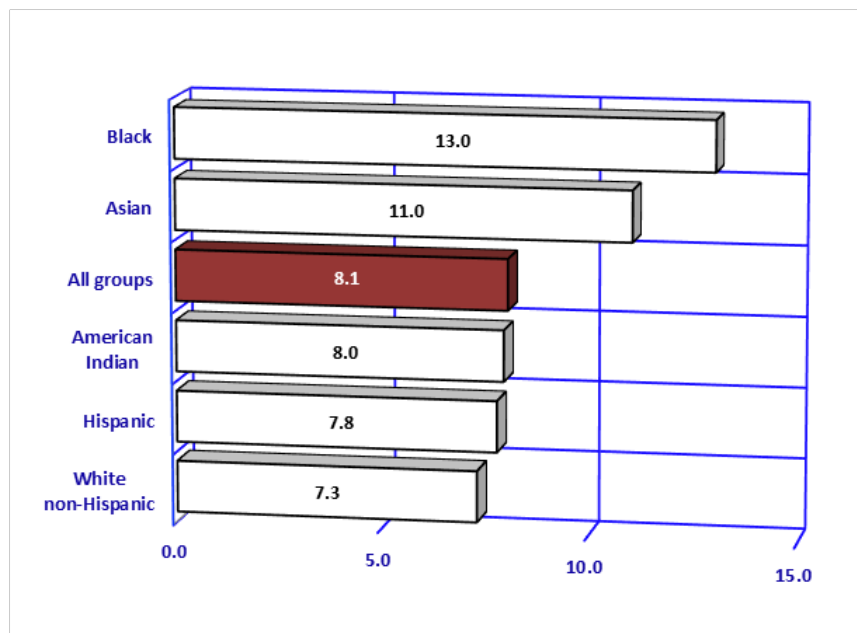
In 2023, private insurance was the largest payer for deliveries of Asian (70.6 percent) and White non-Hispanic infants (60.8 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of American Indian (68.5 percent), Black or African American (65.1 percent), and Hispanic or Latino infants (59.8 percent).

The Indian Health Service as a payer accounted for 14.8 percent of deliveries of American Indian or Alaska Native infants in the State (**Figure 1B-18**, based on data in **Table 1B-27**).

Hispanics or Latinos accounted for 56.0 percent of the 36,160 deliveries paid for by AHCCCS. About 26.0 percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-27**).

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-19
Percent of Low Birthweight^a by Mother's Race/Ethnicity,
Arizona Residents, 2023

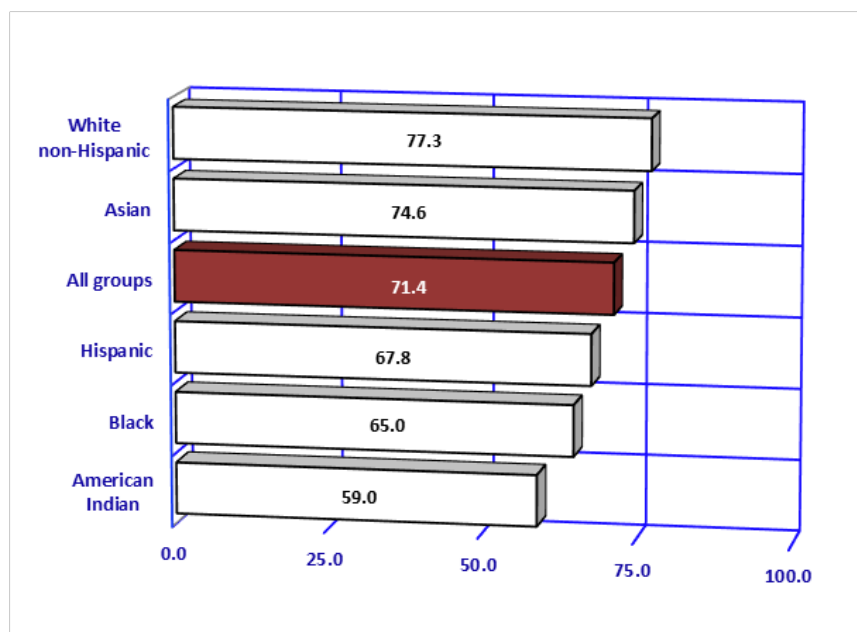


Note: ^a Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).

The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) has decreased from 2013 (81.3 percent) to 2023 (71.4 percent; **Table 1B-2**). It should be noted that with the adoption of the 2003 revised U.S. birth certificate in 2014, trend analysis of the timing of prenatal care is compromised by significant changes in reporting of prenatal care initiation. Hence, the low proportion of women with timely entry to prenatal care from 2014-2023 may be attributable for the most part to differences in reporting. Starting in 2014, prenatal care beginning in the first trimester has been minimally increasing from a low of 66.0 percent in 2014 to a high of 71.7 in 2021.

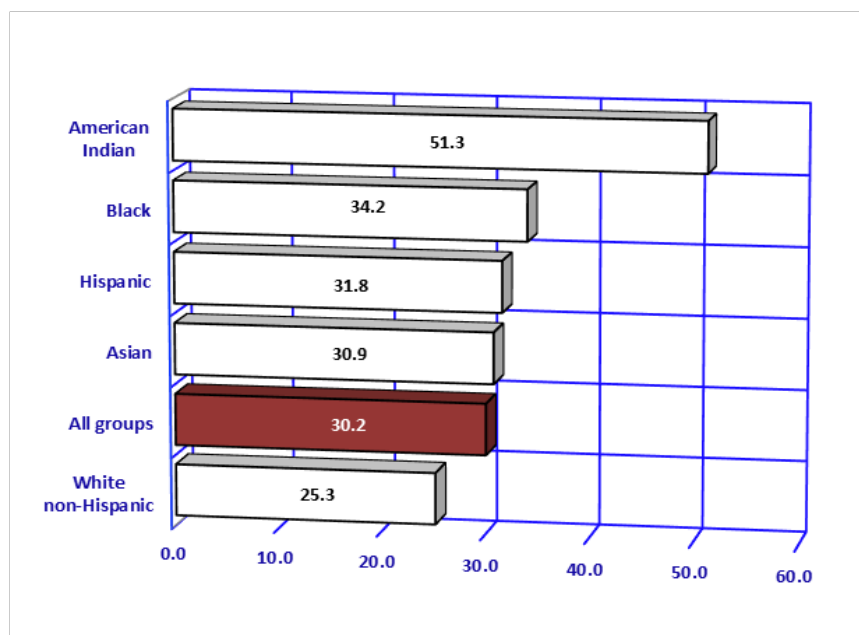
In Arizona, American Indian, Black or African American, and Hispanic or Latino mothers were least likely to begin prenatal care in the first trimester (**Figure 1B-20**). White non-Hispanic and Asian or Pacific Islander mothers were more likely to report timely entry to prenatal care than any other racial/ethnic groups (**Table 1B-25**).

Figure 1B-20
First Trimester Prenatal Care by Mother's Race/Ethnicity,
Arizona Residents, 2023



1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

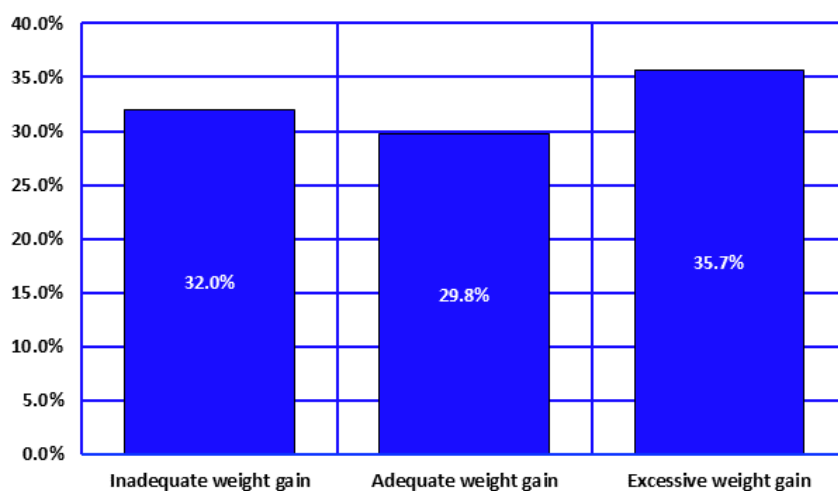
Figure 1B-21
Maternal Medical Risk Factors^a by Mother's Race/Ethnicity, Arizona, 2023



Note: ^a Births with medical risk factors reported per 100 births in specified group.

Maternal medical risk factors (such as, diabetes, hypertension, eclampsia, or sexually transmissible diseases) can contribute to serious pregnancy complications and infant deaths, if not treated properly. In 2023, with exception to White non-Hispanic mothers, all the mothers from the remaining race/ethnic groups recorded higher proportions of medical risk factors compared to all groups (**Figure 1B-21**).

Figure 1B-22
Low-Birthweight by Maternal Weight Gain during Pregnancy, Arizona, 2023



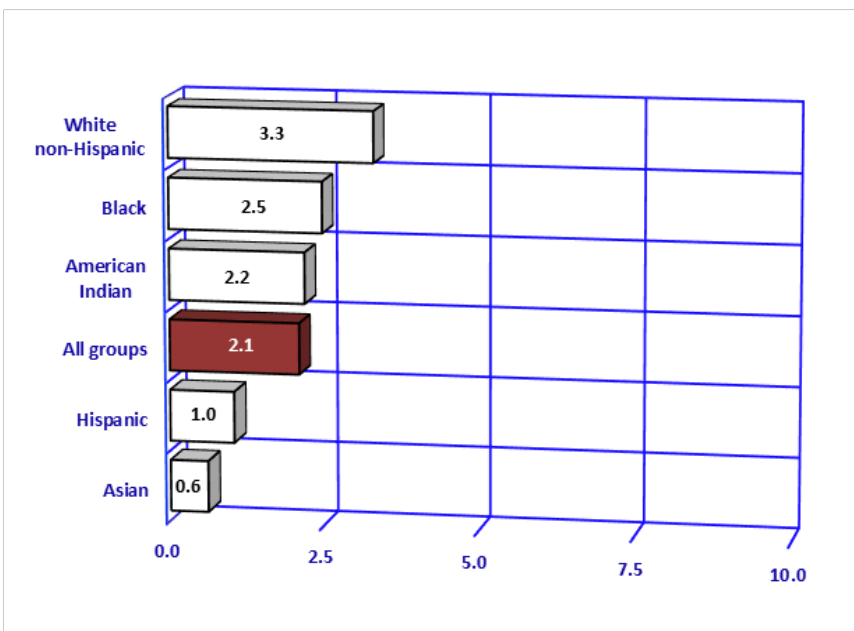
Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively influence outcomes of both mother and infant. Based on the [Maternal Infant Health](#) guidelines, women who are of normal weight (body mass index or BMI 18.5-24.9) should gain 25-35 pounds during pregnancy. Underweight women (BMI <18.5) should aim to gain 28-40 pounds, while overweight women (BMI 25.0-29.9), and obese women (BMI ≥30.0) should gain 15-25 pounds and 11-20 pounds, respectively. Prior to the adoption of the 2003 revised birth certificate in 2014, it was not possible to analyze gestational weight gain in relation to mother's pre-pregnancy BMI. The revised birth certificate includes new fields (mother's height, pre-pregnancy weight, and weight at delivery) providing the opportunity to assess whether pregnancy weight gain is within the recommended range for the mother's BMI.

In 2023, the proportion of newborns with low birthweight was the lowest among mothers who gained the recommended amount of weight during pregnancy (**Figure 1B-22**).

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-23
Self-reported Tobacco Use during Pregnancy^a by Race/Ethnicity, Arizona, 2023

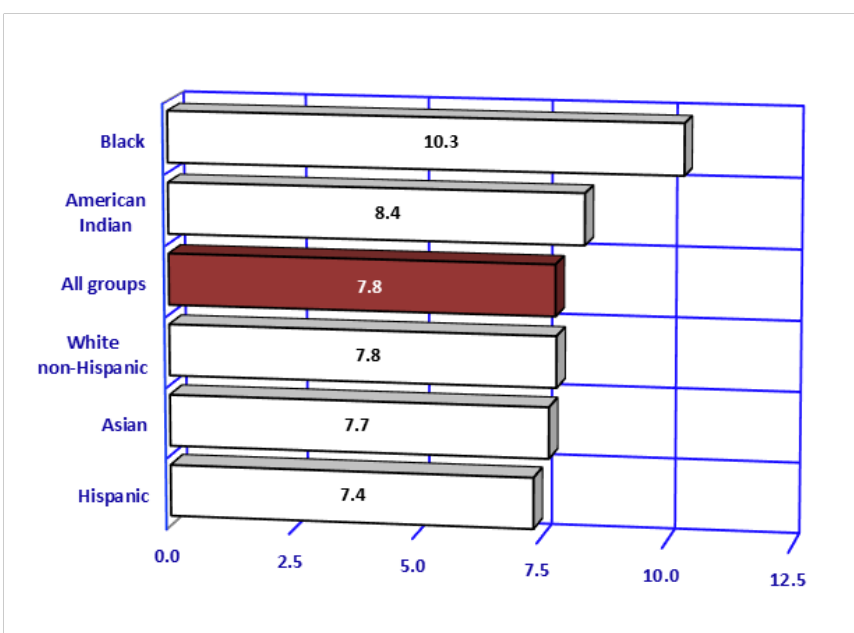
Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation, and preterm births. Smoking during pregnancy was reported by 2.1 percent of women giving birth in 2023 (**Table 1B-25, Table 5B-30**), compared to 10.5 percent in 1989, when this information was first reported on Arizona birth certificates. It is unclear whether this decline means that women giving birth in Arizona are less likely to use tobacco during pregnancy or, perhaps, less likely to report it if they use. White non-Hispanic, American Indian, and Black mothers continued to be more likely to report smoking than Hispanic and Asian mothers (**Figure 1B-23**).



Note: ^a Mothers giving birth who reported tobacco use per 100 births in specified group.

Figure 1B-24
Rates of Admission to Newborn Intensive Care Units^a by Mother's Race/Ethnicity, Arizona, 2023

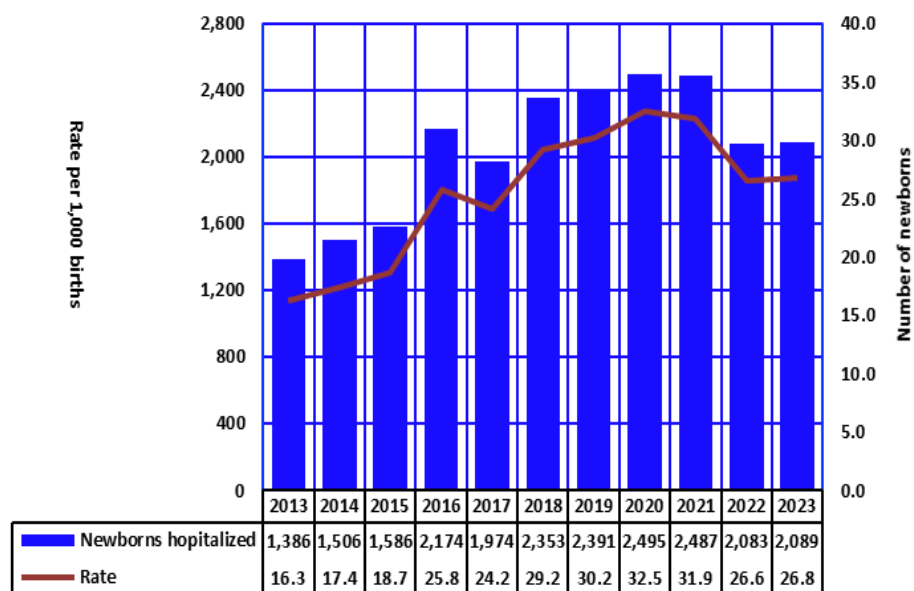
In 2023, 6,075 or 7.8 percent of newborns were admitted to newborn intensive care units (NICUs). The proportion of NICU admissions differed among racial/ethnic groups. Black or African American, and American Indian, newborns had the highest rates of NICU admissions compared to the other racial/ethnic groups (**Table 1B-25**). Prematurity, i.e., gestational age before 37 weeks lead to more NICU admissions (56.5 percent) than did LBW (47.6 percent) **Table 1B-32**.



Note: ^a The number of newborns admitted to Intensive Care Units per 100 births in specified group.

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

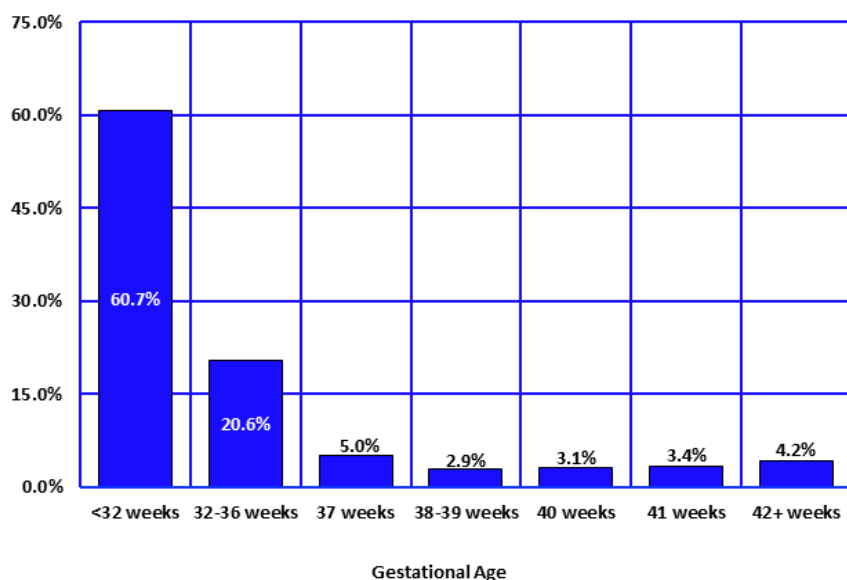
Figure 1B-25
Newborns Who Were Hospitalized after Birth because They Were Affected by Maternal Use of Drugs during Pregnancy, Arizona, 2013-2023



Information about maternal drug use during pregnancy is not reported on Arizona birth certificates. However, it can be obtained from the hospital discharge database. There are several diagnostic codes which identify exposure of fetus or newborn to specific noxious substances (such as narcotics, hallucinogenic agents, or cocaine) transmitted via placenta or breast milk. During the 11-year period under consideration, the newborn hospitalization rate due to maternal use of drugs during pregnancy increased from 16.3/1,000 in 2013 to 26.8/1,000 in 2023.

Note: Rate is the number of newborns admitted to Intensive Care Units per 1000 births in specified group.

Figure 1B-26
Abnormal Conditions of the Newborn by Gestational Age, Arizona, 2023



With the implementation of the revised birth certificate, three of the six specific abnormal conditions listed on the birth certificate have been reported most frequently: *assisted ventilation immediately after delivery*, *assisted ventilation for more than six hours*, and *suspected neonatal sepsis* (**Table 1B-32**). The rates of abnormal conditions are the highest among the very preterm (less than 32 weeks of gestation) and moderately preterm babies (32-36 weeks of gestation; **Figure 1B-26**).

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-27
The Incidence of Down Syndrome by Mother's Age Group, Arizona, 2023

Congenital anomalies (birth defects) are among the leading causes of infant death in Arizona and nationally. They are also the cause of physical defects and metabolic diseases.

For various anomalies, rates vary widely with maternal age. For example, in 2023 as in prior years, the rate of Down's Syndrome, the most frequently recognized cause of intellectual disability, was substantially higher for births to mothers aged 35 years and older (**Figure 1B-27, Table 1B-33**). The incidence rate of 234.6 cases of Down's Syndrome per 100,000 births to women 35 years or older was 8.6 times greater than the incidence rate of 27.2 for women aged 24 years or younger.

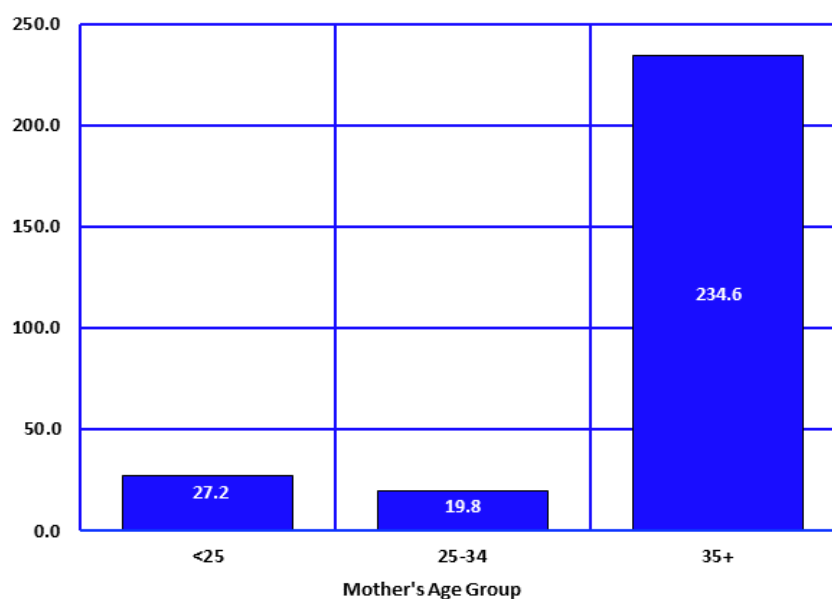


TABLE 1B-1
BIRTH RATE^a, GENERAL FERTILITY RATE^b, TOTAL FERTILITY RATE^c,
GROSS REPRODUCTION RATE^d, AND AGE-SPECIFIC BIRTH RATES^e BY YEAR,
ARIZONA AND UNITED STATES^f, 2013-2023

Year	Area	Birth rate	General fertility rate	Total fertility rate	Gross reproduction rate	Age specific birth rates:							
						Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
2013	AZ	12.9	66.0	1,981	963	0.3	31.3	96.7	118.4	93.0	46.4	9.8	0.1
	U.S.	12.4	62.5	1,858	NA	0.3	26.5	80.7	105.5	98.0	49.3	10.4	0.8
2014	AZ	13.0	66.7	1,986	968	0.2	29.9	90.7	117.6	98.1	49.7	10.1	0.9
	U.S.	12.5	62.9	1,863	NA	0.3	24.2	79.0	105.8	100.8	51.0	10.6	0.8
2015	AZ	12.6	64.8	1,924	938	0.2	26.3	86.6	115.4	95.9	48.9	10.5	0.9
	U.S.	12.4	62.5	1,844	NA	0.2	22.3	76.8	104.3	101.5	51.8	11.0	0.8
2016	AZ	12.3	63.9	1,895	930	0.2	23.7	84.2	112.9	98.2	48.7	10.2	0.8
	U.S.	12.2	62.0	1,821	NA	0.2	20.3	73.8	102.1	102.7	52.7	11.4	0.9
2017	AZ	11.7	61.1	1,805	888	0.2	21.9	78.9	105.6	94.9	47.8	10.6	1.1
	U.S.	11.8	60.3	1,766	NA	0.2	18.8	71.0	98.0	100.3	52.3	11.6	0.9
2018	AZ	11.4	59.4	1,750	854	0.1	20.1	76.0	100.3	93.6	48.0	11.1	0.9
	U.S.	11.6	59.1	1,730	NA	0.2	17.4	68.0	95.3	99.7	52.6	11.8	0.9
2019	AZ	11.0	57.4	1,688	823	0.2	18.5	71.2	97.5	92.3	46.4	10.7	0.7
	U.S.	11.4	58.3	1,706	NA	0.2	16.7	66.6	93.7	98.3	52.8	12.0	0.9
2020	AZ	10.7	55.6	1,634	802	0.1	17.0	67.9	92.9	91.6	45.9	10.7	0.6
	U.S.	10.9	55.7	1,642	NA	0.2	15.0	63.3	90.9	94.9	51.3	11.8	0.9
2021	AZ	10.7	55.6	1,629	795	0.2	15.3	65.2	94.6	91.9	47.0	10.8	0.8
	U.S.	11.0	56.3	1,664	NA	0.2	13.9	61.5	93.0	97.6	53.7	12.0	0.9
2022	AZ	10.6	55.0	1,613	791	0.1	15.1	62.7	92.8	92.7	47.0	11.2	0.8
	U.S.	11.0	56.0	1,657	N/A	0.2	13.6	57.5	93.5	97.5	55.3	12.6	1.1
2023	AZ	10.3	53.8	1,580	773	0.1	14.4	60.0	89.7	91.1	48.5	11.4	0.7
	U.S.	10.7	54.5	1,621	N/A	0.2	13.1	57.7	91.0	94.3	54.3	12.5	1.1

Notes: ^a The number of births per 1,000 population.

^b The number of births per 1,000 women of childbearing age (15-44 years old).

^c The total fertility rate (TFR) is the sum of age group specific birth rates multiplied by the number of years in the age group (five years in this case). This rate estimates the number of children a hypothetical cohort of 1,000 women would bear if they all went through their childbearing years experiencing the same age-specific birth rates for a specified time period. For example, the Arizona 2023 TFR of 1,580 can be interpreted at the individual level as the average number of children a female resident would have by age 50 (1,580/1000 = 2 live births) if she were subjected throughout her life to the age-specific birth rates observed in 2023.

^d The sums of birth rates by 5-year age groups multiplied by the proportion of births that were female. The gross reproduction rate represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years, and if none of the cohort was to die during her childbearing years. See Table 1B-2 for the annual proportions of births that were female in 2013-2023.

^e The number of births per 1,000 women in specified age group. For females under 15, the rate is calculated using the female population 10-14 years of age. For women over 44, the rate is calculated using the female population 45-49 years of age.

^f The U.S. rates are from the National Center for Health Statistics:

<https://www.cdc.gov/nchs/nvss/vsrr/nativity-dashboard.htm#>

TABLE 1B-2
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE
AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX,
BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(ALL RACE/ETHNIC GROUPS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881
Age of mother											
≤19 years	8.5	7.6	6.9	6.4	6.2	5.8	5.5	5.1	4.6	4.6	4.5
≥30 years	37.2	38.8	39.3	40.2	40.9	42.0	42.6	43.9	44.9	45.8	46.7
Marital status											
Unmarried	45.1	44.7	45.3	44.8	44.4	44.6	45.0	45.0	45.2	44.9	45.5
Mother's education											
<9 years	3.8	3.7	3.5	3.2	3.1	3.0	2.8	2.5	2.3	2.3	2.5
Mother's race/ethnicity											
White ^b	45.0	46.3	44.9	44.7	43.7	43.3	43.1	43.1	43.5	41.9	41.1
Hispanic	38.9	38.9	40.3	40.1	40.6	41.0	41.1	41.5	41.5	42.9	43.5
Black	5.6	5.2	5.1	5.2	5.6	5.8	6.1	6.2	6.2	6.2	6.1
American Indian	6.4	5.9	5.9	6.0	6.0	5.8	5.6	5.3	5.0	5.1	5.0
Asian	4.1	3.7	3.8	4.0	4.1	4.1	4.0	3.9	3.9	4.0	4.2
Prenatal care begin											
1 st Trimester	81.3	66.0	67.9	68.9	68.3	68.8	68.9	68.8	71.7	71.5	71.4
3 rd Trimester	3.6	5.3	5.5	5.8	5.7	6.2	6.8	6.7	6.1	5.7	6.0
No Care	1.4	2.1	2.2	2.4	2.9	2.8	2.6	2.5	2.5	2.3	2.4
Prenatal visits											
1-4	3.8	4.4	4.4	4.6	4.6	5.0	5.6	5.4	4.8	4.7	4.7
≥5	94.7	92.1	92.2	91.5	90.8	90.9	89.9	90.2	91.7	91.5	91.9
≥9	81.2	77.6	77.0	76.0	75.6	74.5	72.4	72.0	74.8	74.6	75.3
≥13	34.8	30.7	30.4	29.9	31.2	31.0	29.2	29.2	30.4	30.0	30.7
Medical risk/											
Complications^c	55.5	34.5	39.0	40.7	42.7	44.2	46.9	49.1	50.2	50.3	52.0
Gestational age^d											
Preterm (<37 weeks)	9.0	9.0	9.0	9.0	9.3	9.5	9.3	9.5	10.0	9.8	9.9
Birth weight											
<2,500 grams	6.9	7.0	7.2	7.3	7.5	7.6	7.4	7.4	7.9	7.8	8.1
<1,500 grams	1.1	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.3	1.2	1.3
Child's sex											
Male	51.4	51.3	51.3	50.9	50.8	51.2	51.2	50.9	51.2	51.0	51.1
Female	48.6	48.7	48.7	49.1	49.2	48.8	48.8	49.1	48.8	49.0	48.9
Plurality											
Multiple births	3.0	3.0	3.0	3.1	3.3	3.3	3.0	3.0	3.0	3.0	3.1
Caesarean delivery	27.8	27.7	27.5	27.5	26.8	27.5	27.8	28.4	28.7	28.6	29.0
Place of delivery											
Hospital ^e	98.7	98.5	98.5	98.3	98.3	98.2	98.3	97.9	97.5	97.4	97.4
Attendant at birth											
Midwife ^f	7.4	10.2	11.8	12.8	13.5	13.1	13.9	13.6	13.1	13.4	13.7
Previous live births											
1 or more	63.6	64.0	64.3	64.8	64.4	64.2	63.9	63.1	63.0	62.1	61.5

Notes: ^a Rates per 100 births.

^b Non-Hispanic.

^c Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^d Physician's estimate.

^e Hospital, clinic, medical center or maternity home.

^f Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-3
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL
CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX,
BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(ALL RACE/ETHNIC GROUPS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	5,849	6,069	6,093	6,186	6,109	6,106	5,829	5,650	6,140	6,113	6,284
Age of mother											
≤19 years	8.9	7.8	7.8	7.0	7.1	6.5	5.7	5.6	5.3	5.4	5.3
≥30 years	37.9	40.9	42.0	42.4	43.0	46.3	45.6	46.7	49.2	48.8	50.5
Marital status											
Unmarried	51.3	49.1	47.5	48.2	49.6	49.8	50.0	50.2	51.1	51.0	50.3
Mother's education											
<9 years	4.2	3.8	3.5	3.7	3.0	3.0	2.9	2.8	2.6	2.5	2.8
Mother's race/ethnicity											
White ^b	42.0	44.7	41.7	41.8	41.0	40.3	40.0	39.8	39.9	38.5	37.3
Hispanic	37.6	37.0	38.8	38.8	38.3	38.9	39.0	39.2	40.0	40.1	42.1
Black	8.9	8.8	8.8	8.5	9.4	9.4	10.2	10.8	10.6	10.3	9.9
American Indian	6.7	5.2	6.0	5.9	6.2	6.1	6.1	5.2	5.0	5.7	4.9
Asian	4.7	4.2	4.8	5.1	5.2	5.2	4.7	5.0	4.5	5.4	5.7
Prenatal care began											
1st Trimester	78.9	63.6	65.0	66.0	65.9	64.2	64.5	65.4	66.8	68.5	67.4
3rd Trimester	3.4	4.1	3.9	4.5	4.0	4.8	4.9	5.3	4.5	4.3	4.2
No Care	2.9	4.8	5.2	5.0	5.6	6.9	6.7	5.6	5.9	5.3	5.3
Prenatal visits											
1-4	8.2	8.6	9.4	9.5	9.4	10.2	11.4	11.5	10.0	10.1	9.9
≥5	88.5	84.8	83.1	82.6	82.3	79.6	78.9	80.0	82.2	82.3	83.0
≥9	66.4	60.4	58.1	57.4	56.1	52.1	51.9	51.7	53.5	53.8	54.7
≥13	27.7	22.1	20.2	20.1	21.3	20.1	19.1	18.4	19.8	19.1	19.6
Medical risks/ Complications^c	72.5	58.9	60.0	62.0	65.1	68.7	68.5	70.5	70.0	70.4	72.3
Gestational age^d											
Preterm (<37 weeks)	70.2	69.4	68.8	68.7	67.8	69.2	68.5	69.3	70.2	68.7	67.5
Birth weight											
<1,500 grams	15.8	16.8	16.0	16.3	15.8	16.1	15.5	15.6	16.0	15.3	15.7
<1,000 grams	7.4	8.4	7.4	8.0	7.7	7.8	7.2	7.8	7.7	7.2	7.6
Child's sex											
Male	49.3	47.7	47.4	48.0	46.9	47.2	48.0	47.9	46.8	47.1	46.8
Female	50.7	52.3	52.6	52.0	53.1	52.8	52.0	52.1	53.2	52.9	53.2
Plurality											
Multiple births	24.4	23.7	22.5	23.9	22.8	24.6	22.7	22.4	21.3	19.8	21.7
Caesarean delivery	47.6	47.4	48.6	48.4	47.0	49.1	50.1	50.1	51.8	49.8	51.6
Place of delivery											
Hospital ^e	99.7	99.7	99.5	99.4	99.3	99.6	99.4	99.3	99.5	99.2	99.1
Attendant at birth											
Midwife ^f	2.7	9.5	10.5	11.0	12.3	11.8	12.9	12.6	11.9	11.9	12.8
Previous live births											
1 or more	60.5	61.4	60.9	61.0	60.7	61.8	61.2	59.8	61.1	58.3	59.1

Notes: ^a Rates per 100 births.

^b Non-Hispanic.

^c Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^d Physician's estimate.

^e Hospital, clinic, medical center or maternity home.

^f Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-4
ALL LIVE BIRTHS AND LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED
MATERNAL, PRENATAL CARE, DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY,
CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(URBAN REGIONS)^b

Characteristic		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births		73,493	74,677	73,547	72,899	70,780	69,890	68,797	66,845	67,950	68,504	68,153
Age of mother	≤19 years	8.2	7.3	6.6	6.1	5.8	5.5	5.2	4.9	4.3	4.3	4.2
	≥30 years	38.4	40.0	40.6	41.2	42.0	43.1	43.5	44.8	45.9	46.6	47.6
Marital status	Unmarried	44.1	43.6	44.1	43.7	43.2	43.4	43.9	44.0	44.2	43.9	44.6
Mother's education	<9 years	4.0	3.9	3.7	3.5	3.2	3.1	3.0	2.6	2.5	2.4	2.6
Mother's race/ethnicity	White ^c	44.3	45.7	44.5	44.0	43.1	42.6	42.2	42.2	42.3	40.8	40.1
	Hispanic	41.3	41.3	42.5	42.5	43.0	43.2	43.4	43.7	43.7	44.9	45.5
	Black	6.2	5.9	5.8	5.9	6.3	6.5	6.9	6.9	6.9	6.9	6.9
	American Indian	3.7	3.1	3.1	3.2	3.1	3.2	3.1	3.0	2.8	3.0	3.0
Prenatal care began	Asian	4.5	4.0	4.2	4.4	4.5	4.4	4.4	4.2	4.2	4.3	4.6
	1st Trimester	82.1	66.6	68.3	69.4	68.7	69.5	69.9	69.4	72.5	72.1	72.0
	3rd Trimester	3.5	5.2	5.3	5.6	5.4	6.1	6.6	6.5	5.9	5.6	5.8
Prenatal visits	No care	1.3	2.1	2.1	2.3	2.8	2.6	2.3	2.3	2.4	2.2	2.3
	1-4	3.5	4.0	4.1	4.3	4.2	4.7	5.3	5.2	4.5	4.5	4.5
	≥5	95.1	92.4	92.6	91.9	91.2	91.5	90.5	90.7	92.3	91.7	92.3
	≥9	82.3	78.7	78.2	77.1	76.7	75.6	73.2	72.8	75.8	75.3	76.1
Medical risks/complications^d	≥13	35.3	31.1	31.0	30.1	31.7	31.7	29.8	29.8	31.2	30.6	31.4
		56.1	34.5	39.4	41.4	43.1	44.7	47.5	49.7	50.8	50.8	52.5
Gestational age^e	Preterm (<37 weeks)	9.1	9.1	9.0	9.0	9.2	9.5	9.3	9.4	10.0	9.8	9.9
Birth weight	<2,500 grams	6.8	7.0	7.1	7.2	7.4	7.6	7.3	7.3	7.8	7.7	8.1
	<1,500 grams	1.1	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.3	1.2	1.3
Child's sex	Male	51.4	51.3	51.3	51.0	50.7	51.1	51.3	50.8	51.1	51.0	51.1
	Female	48.6	48.7	48.7	49.0	49.3	48.9	48.7	49.2	48.9	49.0	48.9
Plurality	Multiple births	3.1	3.1	3.0	3.2	3.3	3.3	3.0	3.0	3.0	3.1	3.1
Caesarean delivery		28.1	28.1	27.9	27.7	27.2	27.7	28.0	28.8	29.0	29.0	29.4
Place of delivery	Hospital ^f	98.7	98.7	98.6	98.4	98.4	98.3	98.4	98.0	97.6	97.6	97.6
Attendant at birth	Midwife ^g	6.3	10.1	12.1	13.0	13.8	13.1	14.1	13.6	13.2	13.6	13.8
Previous live births	1 or more	63.4	63.7	64.0	64.6	64.0	63.9	63.6	62.7	62.5	61.7	61.1
Number of LBW births		5,013	5,232	5,199	5,270	5,224	5,277	5,030	4,886	5,326	5,291	5,535
Age of mother	≤19 years	8.8	7.3	7.4	6.3	6.9	6.1	5.8	5.4	5.2	5.1	5.3
	≥30 years	39.3	42.0	43.6	44.2	44.1	47.5	46.3	47.6	50.2	49.5	51.3
Marital status	Unmarried	50.8	48.3	49.5	47.1	48.4	48.1	49.0	49.1	50.3	50.1	50.2
Mother's education	<9 years	4.3	4.0	3.6	3.9	3.2	3.2	3.0	2.8	2.7	2.5	2.9
Mother's race/ethnicity	White ^c	40.9	43.3	40.4	41.1	40.2	39.9	38.9	38.5	38.4	37.2	35.9
	Hispanic	39.8	39.4	41.3	40.8	40.6	40.7	41.2	41.0	41.9	41.9	43.8
	Black	10.2	9.9	10.0	9.7	10.8	10.5	11.6	12.1	12.1	11.6	11.1
	American Indian	4.0	2.7	3.0	2.8	2.7	3.2	3.0	2.8	2.8	3.4	3.1
Prenatal care began	Asian	5.1	4.6	5.3	5.7	5.6	5.7	5.2	5.6	4.8	5.9	6.2
	1st Trimester	79.8	63.8	66.0	66.8	66.7	65.2	66.0	66.4	67.8	69.8	68.0
	3rd Trimester	3.3	4.1	3.8	4.3	3.8	4.7	4.8	5.1	4.3	4.1	4.0
Prenatal visits	No care	2.7	4.9	4.8	4.3	5.3	6.2	5.7	5.3	5.8	5.1	5.2
	1-4	7.8	8.4	8.9	8.6	8.7	9.7	11.0	11.6	9.6	9.9	9.6
	≥5	89.1	84.8	84.1	84.0	83.3	81.0	80.1	80.6	83.0	82.8	83.7
	≥9	67.7	60.8	59.6	58.6	57.7	53.7	52.7	52.4	54.2	54.9	55.2
Medical risks/complications^d	≥13	28.4	22.6	20.6	20.6	21.8	21.0	19.3	18.5	20.3	19.6	20.1
		73.7	59.0	60.0	61.7	65.3	68.3	68.6	70.2	70.0	70.8	72.3
Gestational age^e	Preterm (<37 weeks)	70.8	70.7	69.5	69.5	67.7	69.6	68.4	70.0	71.1	69.0	68.1
Birth weight	<1,500 grams	15.9	17.0	16.0	16.6	15.7	16.0	15.3	15.4	16.4	15.5	15.7
	<1,000 grams	7.6	8.6	7.7	8.2	7.9	7.7	7.3	7.7	7.9	7.4	7.6
Child's sex	Male	49.2	48.1	47.8	48.3	46.8	46.9	48.2	48.3	47.1	46.9	46.7
	Female	50.8	51.9	52.2	51.7	53.2	53.1	51.8	51.7	52.9	53.1	53.3
Plurality	Multiple births	25.2	24.3	23.4	24.6	23.9	25.4	23.0	22.7	21.6	20.2	22.1
Caesarean delivery		48.0	48.3	49.2	48.8	47.5	49.4	50.5	50.7	52.3	50.6	52.3
Place of delivery	Hospital ^f	99.8	99.8	99.7	99.6	99.5	99.8	99.4	99.4	99.5	99.3	99.2
Attendant at birth	Midwife ^g	2.2	9.5	10.6	11.0	12.3	11.9	13.2	12.4	11.9	12.3	12.8
Previous live births	1 or more	60.0	61.4	60.6	61.0	60.2	61.4	60.3	59.8	60.4	57.6	58.6

Notes: ^a Rates per 100 births.

^b Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas; see Technical Notes for more information.

^c Non-Hispanic.

^d Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^e Physician's estimate.

^f Hospital, clinic, medical center or maternity home.

^g Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-5
ALL LIVE BIRTHS AND LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED
MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY,
CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(RURAL REGIONS)^b

Characteristic		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births		11,470	11,955	11,467	11,502	10,873	10,640	10,368	9,881	9,810	9,798	9,708
Age of mother	≤19 years	10.6	9.8	9.0	8.5	8.3	7.5	6.9	6.7	6.5	6.2	6.2
	≥30 years	29.4	31.3	30.9	33.4	33.9	34.7	36.2	37.6	38.1	40.1	40.4
Marital status	Unmarried	52.0	51.7	53.0	51.8	52.8	52.3	52.2	51.6	52.5	51.9	51.6
Mother's education	<9 years	2.4	2.3	1.9	1.8	1.9	1.9	1.7	1.8	1.5	1.9	1.8
Mother's race/ethnicity	White ^c	49.1	49.8	47.7	49.3	47.5	47.9	48.7	49.3	51.2	49.0	48.6
	Hispanic	24.0	24.2	26.4	25.3	25.1	26.3	26.3	26.9	26.1	28.4	29.7
	Black	1.3	0.9	0.9	1.0	1.1	1.0	1.0	1.2	1.2	1.1	0.8
	American Indian	24.0	23.5	23.6	23.2	24.7	23.2	22.6	20.9	20.2	19.9	19.3
Prenatal care began	Asian	1.7	1.5	1.4	1.2	1.6	1.6	1.4	1.7	1.4	1.5	1.6
	1st Trimester	76.3	62.5	64.8	65.4	65.4	64.0	62.4	64.3	66.7	67.1	67.4
	3rd Trimester	4.1	6.3	6.7	7.3	7.3	7.1	8.0	7.6	7.1	6.6	6.9
Prenatal visits	No care	2.2	1.9	3.0	3.0	3.1	4.1	4.1	3.3	3.1	3.1	2.7
	1-4	5.6	6.6	6.2	7.0	7.4	7.0	7.3	6.9	6.7	5.6	6.4
	≥5	92.0	90.5	89.9	89.1	88.5	86.9	85.9	86.8	88.3	90.1	89.8
	≥9	73.8	71.1	69.5	69.1	68.4	67.3	66.6	66.4	68.3	69.5	69.7
Medical risks/complications^d	≥13	31.7	28.3	26.7	28.4	28.2	26.4	25.0	25.4	25.4	25.7	25.2
		51.8	34.1	36.7	37.8	39.8	41.3	43.1	45.2	46.2	47.4	48.8
Gestational age^e	Preterm (<37 weeks)	8.7	8.3	8.9	9.1	9.6	9.3	9.4	9.5	10.1	9.7	9.5
Birth weight	<2,500 grams	7.3	7.0	7.8	8.0	8.1	7.8	7.7	7.7	8.2	8.3	7.7
	<1,500 grams	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.1	1.2	1.2
Child's sex	Male	51.3	51.1	51.0	50.3	51.6	51.9	50.7	51.4	51.5	50.7	50.4
	Female	48.7	48.9	49.0	49.7	48.4	48.1	49.3	48.6	48.5	49.3	49.6
Plurality	Multiple births	2.4	2.5	2.6	2.9	2.9	2.7	2.7	2.8	2.7	2.6	2.5
Caesarean delivery		25.8	25.2	25.0	26.2	24.6	26.1	25.8	25.7	26.0	26.0	26.3
Place of delivery	Hospital ^f	98.2	97.7	97.6	97.3	97.1	97.4	97.6	97.1	96.7	96.2	96.2
Attendant at birth	Midwife ^g	14.2	10.7	10.2	11.3	11.2	13.1	12.8	13.9	13.0	12.1	12.8
Previous live births	1 or more	64.8	66.0	65.8	66.3	67.1	66.5	65.8	65.3	65.7	65.1	63.8
Number of LBW births		836	835	891	916	884	827	799	758	803	816	744
Age of mother	≤19 years	9.7	11.3	10.3	10.6	8.6	9.1	5.0	7.1	6.0	7.8	4.8
	≥30 years	29.9	34.5	32.8	32.3	36.5	38.8	40.7	40.6	42.8	44.6	45.0
Marital status	Unmarried	54.2	53.9	57.1	54.3	56.3	60.5	55.9	57.9	56.8	56.6	51.2
Mother's education	<9 years	3.0	2.3	2.5	2.3	1.9	1.6	2.3	3.0	1.7	2.3	2.2
Mother's race/ethnicity	White ^c	49.2	53.5	49.2	46.0	45.7	43.0	46.7	48.0	49.1	47.2	47.7
	Hispanic	24.4	22.0	24.2	27.4	24.5	27.7	25.3	27.7	27.4	28.3	29.8
	Black	1.4	2.2	1.5	1.6	0.9	2.2	1.6	2.0	1.4	1.7	1.2
	American Indian	22.8	20.7	23.2	23.5	26.6	24.8	25.2	21.0	19.7	20.7	18.7
Prenatal care began	Asian	2.2	1.6	1.9	1.5	2.3	2.3	1.3	1.3	2.5	2.1	2.6
	1st Trimester	74.0	62.5	59.5	61.6	61.4	58.2	55.3	59.4	61.0	60.3	63.0
	3rd Trimester	4.2	4.0	5.1	5.6	5.0	5.3	5.1	6.5	5.5	5.6	5.2
Prenatal visits	No care	4.1	4.0	7.3	8.7	7.2	11.2	12.4	7.4	6.2	6.4	5.6
	1-4	10.3	9.7	12.2	14.3	13.1	13.3	13.5	10.6	13.0	11.0	12.1
	≥5	84.7	84.9	77.6	74.7	77.0	70.9	71.1	76.8	77.5	79.8	78.5
	≥9	58.9	58.2	49.5	50.0	46.9	41.5	46.4	48.2	49.1	46.9	51.5
Medical risks/complications^d	≥13	23.3	19.2	17.8	17.6	18.8	14.1	17.8	17.4	17.1	15.6	16.1
		65.4	58.0	59.9	63.9	63.6	70.9	68.0	72.2	70.4	68.3	72.2
Gestational age^e	Preterm (<37 weeks)	66.6	61.0	65.2	63.6	67.9	66.5	68.8	64.2	64.4	66.1	63.7
Birth weight	<1,500 grams	15.7	15.3	10.0	14.7	16.4	17.0	16.3	16.5	13.6	14.2	15.3
	<1,000 grams	6.3	7.1	5.7	6.7	6.7	8.6	6.6	8.2	6.1	5.5	7.1
Child's sex	Male	50.0	45.0	44.6	46.4	47.9	49.0	47.1	45.6	45.2	48.8	47.0
	Female	50.0	55.0	55.4	53.6	52.1	51.0	52.9	54.4	54.8	51.2	53.0
Plurality	Multiple births	19.5	20.2	17.5	19.8	16.5	19.2	20.9	20.3	19.2	17.6	18.3
Caesarean delivery		45.5	42.3	45.2	46.0	44.3	47.2	47.6	46.0	48.4	44.7	46.8
Place of delivery	Hospital ^f	99.2	99.0	98.4	98.1	98.0	98.8	99.5	98.8	99.1	98.4	98.3
Attendant at birth	Midwife ^g	5.7	9.2	9.7	10.7	11.9	11.4	10.6	13.9	12.0	8.9	12.5
Previous live births	1 or more	63.3	61.1	62.3	61.0	63.7	64.1	66.8	59.9	65.5	62.7	63.0

Notes: ^a Rates per 100 births.

^b Rural = Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai counties; the remaining counties comprise Arizona's urban areas; see Technical Notes for more information.

^c Non-Hispanic.

^d Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^e Physician's estimate.

^f Hospital, clinic, medical center or maternity home.

^g Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-6
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	38,220	40,097	38,180	37,762	35,685	34,909	34,118	33,101	33,851	32,792	32,036
Age of mother											
≤19 Years	4.7	4.4	4.0	3.6	3.3	3.1	2.9	2.7	2.4	2.3	2.2
≥30 Years	43.2	45.1	45.6	47.0	48.0	49.2	49.3	51.1	52.2	52.7	53.5
Marital status											
Unmarried	30.3	31.1	31.5	31.3	30.7	31.1	31.3	31.1	30.5	30.2	30.5
Mother's education											
<9 years	0.8	0.7	0.8	0.6	0.8	0.7	0.7	0.7	0.7	0.8	0.8
Prenatal care began											
1st Trimester	87.4	71.7	73.2	74.7	74.6	75.7	75.8	75.1	77.3	76.9	77.3
3rd Trimester	2.0	3.5	3.7	3.9	4.2	4.3	4.8	4.7	4.5	4.1	4.4
No Care	0.7	1.1	1.3	1.4	1.6	1.6	1.5	1.5	1.7	1.7	1.6
Prenatal visits											
1-4	2.1	2.6	2.7	2.8	3.1	3.2	3.7	3.6	3.2	3.1	2.9
≥5	97.1	94.8	94.5	94.0	93.8	94.0	92.6	92.6	94.0	93.8	94.5
≥9	87.2	83.7	83.2	82.2	82.0	81.5	78.8	77.8	80.3	80.1	80.9
≥13	41.9	36.6	36.2	35.5	37.3	36.8	33.1	32.5	33.2	33.2	34.7
Medical risks/ Complications^b	55.1	32.8	35.4	37.9	39.7	40.3	43.3	45.4	46.4	46.9	49.2
Gestational Age^c											
Preterm (<37 weeks)	8.4	8.6	8.6	8.5	8.6	8.9	8.7	8.9	9.5	9.2	9.1
Birth weight											
<2,500 grams	6.4	6.8	6.6	6.8	7.0	7.1	6.8	6.8	7.2	7.2	7.3
<1,500 grams	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.0	1.1	1.0	1.1
Child's sex											
Male	51.3	51.3	51.6	50.9	50.7	51.5	51.7	50.6	51.5	50.9	50.8
Female	48.7	48.7	48.4	49.1	49.3	48.5	48.3	49.4	48.5	49.1	49.2
Plurality											
Multiple births	3.6	3.7	3.4	3.8	3.9	3.7	3.5	3.4	3.3	3.4	3.2
Caesarean delivery	28.4	28.8	28.1	28.0	27.2	27.4	27.8	28.3	28.5	28.2	28.2
Place of delivery											
Hospital ^d	97.6	97.4	97.2	96.9	96.9	96.8	97.0	96.4	95.8	95.5	95.3
Attendant at birth											
Midwife ^e	6.5	12.6	14.1	15.1	15.6	15.4	16.4	16.1	15.9	16.1	16.1
Previous live births											
1 or more	60.5	60.9	61.5	62.2	61.7	62.0	61.3	60.6	61.1	59.3	59.1

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-7
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	2,459	2,715	2,538	2,585	2,507	2,463	2,331	2,248	2,449	2,355	2,345
Age of mother											
≤19 years	5.2	4.8	5.5	4.3	4.4	3.7	3.3	2.9	3.2	3.7	3.0
≥30 years	42.5	47.5	47.8	49.5	49.9	54.1	50.6	52.7	55.0	53.6	54.8
Marital status											
Unmarried	36.9	37.9	39.9	35.8	37.5	37.0	39.3	37.6	37.8	38.2	37.4
Mother's education											
<9 years	1.6	1.1	0.9	0.8	0.7	1.0	0.9	1.0	1.3	0.8	1.2
Prenatal care began											
1st Trimester	83.9	69.4	71.1	70.9	71.5	70.8	69.5	71.6	70.7	73.4	72.2
3rd Trimester	2.2	3.2	3.0	3.8	3.7	3.8	3.9	4.3	3.3	3.4	3.6
No Care	1.6	3.4	3.9	3.6	3.8	5.0	4.4	4.4	5.5	4.4	4.2
Prenatal visits											
1-4	5.6	6.0	7.8	7.0	8.0	8.7	8.6	9.1	8.1	8.1	7.5
≥5	92.4	88.7	85.3	86.0	85.5	82.8	83.0	82.9	84.2	85.3	86.5
≥9	70.6	67.4	64.3	63.5	61.1	57.3	56.6	55.9	57.0	57.8	59.0
≥13	33.0	28.4	24.0	25.3	25.5	24.8	21.4	20.3	21.1	20.8	21.4
Medical risks/ Complications^b	75.2	60.4	58.6	62.3	64.5	67.5	64.8	69.1	68.1	67.8	69.5
Gestational age^c											
Preterm (<37 weeks)	70.7	68.7	70.0	69.4	66.5	70.8	67.8	70.2	71.6	69.9	67.3
Birth weight											
<1,500 grams	15.3	16.4	8.8	15.6	13.6	15.1	14.2	14.9	14.5	14.4	15.1
<1,000 grams	6.9	7.3	6.3	7.0	6.1	7.2	5.8	7.1	6.3	6.0	7.1
Child's sex											
Male	49.3	47.0	46.7	45.9	45.8	46.7	48.8	45.4	46.6	45.7	44.4
Female	50.7	53.0	53.3	54.1	54.2	53.3	51.2	54.6	53.4	54.3	55.6
Plurality											
Multiple births	29.7	30.3	27.2	30.6	27.3	30.1	27.5	27.4	24.5	24.5	24.2
Caesarean delivery	49.5	52.2	52.2	52.3	49.3	51.1	51.6	53.5	53.4	51.8	53.5
Place of delivery											
Hospital ^d	99.6	99.5	99.3	99.2	99.0	99.4	99.3	99.0	99.3	99.2	98.7
Attendant at birth											
Midwife ^e	1.7	11.4	11.9	12.8	13.3	14.0	14.5	16.1	14.8	13.9	15.1
Previous live births											
1 or more	56.8	58.8	56.5	59.1	57.1	59.9	57.4	57.3	58.4	54.8	57.4

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-8
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(HISPANIC OR LATINO MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	33,075	33,715	34,264	33,874	33,191	32,995	32,575	31,859	32,288	33,584	33,909
Age of mother											
≤19 years	12.3	11.3	9.9	9.3	9.0	8.5	8.0	7.6	6.8	6.6	6.4
≥30 years	30.6	31.9	32.3	32.5	33.3	33.6	34.5	35.7	36.1	37.4	38.4
Marital status											
Unmarried	57.1	56.1	56.2	55.8	55.1	54.7	55.0	55.0	56.2	55.5	56.2
Mother's education											
<9 years	7.6	7.5	6.7	6.2	5.5	5.3	5.0	4.5	4.0	3.8	4.1
Prenatal care began											
1st Trimester	76.2	60.5	63.6	63.9	63.4	63.8	64.2	64.4	68.1	68.3	67.8
3rd Trimester	5.0	6.9	6.9	7.4	6.8	7.7	8.4	8.1	7.2	6.9	7.0
No Care	2.1	3.2	3.0	3.4	4.1	3.7	3.4	3.2	3.1	2.7	3.0
Prenatal visits											
1-4	4.8	5.4	5.3	5.6	5.3	6.1	6.7	6.3	5.6	5.4	5.7
≥5	93.0	90.2	90.9	89.9	88.8	89.0	88.5	88.9	90.7	90.6	90.7
≥9	77.0	73.5	73.0	72.0	71.6	70.3	68.6	68.8	71.8	71.8	72.2
≥13	29.0	26.2	26.1	25.8	26.8	26.9	26.7	27.1	28.6	28.1	27.7
Medical risks/ Complications^b	54.6	34.2	40.0	41.6	43.0	45.2	47.6	50.4	51.6	51.0	52.2
Gestational age^c											
Preterm (<37 weeks)	9.3	9.2	9.0	9.2	9.3	9.5	9.2	9.3	9.6	9.6	10.0
Birth weight											
<2,500 grams	6.6	6.7	6.9	7.1	7.0	7.2	7.0	7.0	7.6	7.3	7.8
<1,500 grams	1.1	1.1	1.1	1.2	1.3	1.3	1.1	1.1	1.3	1.1	1.2
Child's sex											
Male	51.3	51.3	50.9	50.9	50.6	51.1	50.7	51.0	50.9	51.2	51.3
Female	48.7	48.7	49.1	49.1	49.4	48.9	49.3	49.0	49.1	48.8	48.7
Plurality											
Multiple births	2.4	2.2	2.4	2.5	2.6	2.8	2.2	2.5	2.6	2.7	2.9
Caesarean delivery	26.7	26.1	26.3	26.3	25.6	26.7	26.9	27.3	27.9	28.2	28.8
Place of delivery											
Hospital ^d	99.6	99.5	99.5	99.4	99.3	99.3	99.3	99.2	99.0	98.9	98.9
Attendant at birth											
Midwife ^e	5.9	7.4	9.8	10.9	11.8	11.4	12.1	11.5	10.7	11.4	11.6
Previous live births											
1 or more	67.0	67.4	67.1	67.7	66.8	65.9	65.7	64.8	64.0	63.5	62.8

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-9
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(HISPANIC OR LATINO MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	2,199	2,247	2,364	2,400	2,339	2,378	2,276	2,215	2,455	2,452	2,646
Age of mother											
≤19 years	12.9	11.7	10.9	9.9	10.0	9.3	8.1	8.2	7.2	7.3	7.4
≥30 years	31.7	33.0	35.4	35.0	34.7	37.2	39.9	39.9	41.8	41.4	43.5
Marital status											
Unmarried	61.5	58.1	58.5	58.4	58.4	58.8	56.0	58.1	59.7	58.7	58.7
Mother's education											
<9 years	7.2	7.4	6.4	7.0	5.6	5.1	5.1	5.1	3.7	4.1	4.5
Prenatal care began											
1st Trimester	74.8	59.3	60.3	62.2	61.9	60.6	62.6	61.8	65.3	65.6	64.9
3rd Trimester	3.8	4.9	4.4	5.0	4.9	5.6	6.1	5.6	5.1	5.1	4.5
No Care	4.2	5.8	5.6	6.1	7.1	7.4	7.3	7.1	6.2	5.3	5.5
Prenatal visits											
1-4	9.5	10.5	9.5	10.7	10.7	10.8	13.3	12.8	10.4	11.3	11.5
≥5	85.9	82.2	83.4	80.7	79.9	78.8	77.3	78.1	82.1	81.5	81.8
≥9	63.7	55.2	54.0	52.2	52.5	48.9	49.6	48.0	51.1	51.2	52.5
≥13	24.1	16.3	15.7	16.3	17.2	16.5	17.4	16.7	18.7	17.9	17.9
Medical risks											
Complications^b	70.3	57.1	61.1	61.0	65.2	69.2	70.7	71.2	70.4	70.8	72.9
Gestational age^c											
Preterm (<37 weeks)	71.5	72.0	69.4	68.6	69.9	70.0	69.7	69.4	69.5	69.5	68.3
Birth weight											
<1,500 grams	16.7	16.6	16.2	16.3	17.9	17.4	15.9	15.3	16.5	15.5	15.9
<1,000 grams	8.0	8.9	7.7	8.1	9.1	8.3	7.9	7.9	8.7	7.5	7.7
Child's sex											
Male	49.9	49.3	48.3	50.5	48.2	49.0	48.5	50.1	47.3	48.1	48.9
Female	50.1	50.7	51.7	49.5	51.8	51.0	51.5	49.9	52.7	51.9	51.1
Plurality											
Multiple births	21.3	18.0	18.4	19.5	20.9	21.6	19.1	19.4	19.4	18.0	20.9
Caesarean delivery	46.5	42.9	45.3	45.4	44.5	48.0	49.2	46.0	50.6	48.4	49.7
Place of delivery											
Hospital ^d	99.8	99.9	99.7	99.5	99.5	100.0	99.6	99.5	99.7	99.3	99.5
Attendant at birth											
Midwife ^e	2.5	7.0	9.1	9.6	11.3	10.3	11.6	10.1	9.2	10.5	10.3
Previous live births											
1 or more	63.4	63.7	64.0	63.1	63.1	62.8	63.4	60.3	62.3	59.3	60.5

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-10
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	4,726	4,522	4,361	4,388	4,595	4,655	4,865	4,766	4,795	4,847	4,776
Age of mother											
≤19 years	10.7	8.7	7.2	7.2	7.2	5.8	5.8	5.4	4.5	5.3	4.8
≥30 years	30.6	34.1	36.0	35.0	37.1	39.0	41.4	41.8	43.4	45.7	47.1
Marital status											
Unmarried	63.7	62.5	63.2	61.3	60.6	60.6	62.7	62.9	64.3	61.6	61.6
Mother's education											
<9 years	3.7	3.3	4.1	4.3	4.7	3.7	4.4	3.6	3.5	3.8	3.3
Prenatal care began											
1st Trimester	78.2	61.4	62.2	62.8	61.4	62.4	59.8	60.3	65.1	65.6	65.0
3rd Trimester	4.5	7.7	6.9	7.9	6.5	7.6	8.3	8.1	7.3	6.4	7.2
No Care	1.3	2.8	2.5	2.2	3.3	3.0	3.0	2.7	2.6	2.9	2.9
Prenatal visits											
1-4	4.7	6.2	6.4	6.3	5.6	6.4	7.2	7.3	6.1	6.5	6.9
≥5	93.8	89.7	89.9	89.6	88.2	88.8	87.7	87.5	90.5	89.1	89.4
≥9	79.1	72.1	71.5	70.2	69.2	68.2	64.5	65.0	69.2	68.5	69.1
≥13	31.0	24.7	25.4	25.7	26.3	28.3	25.8	27.3	29.3	27.7	27.9
Medical risks											
Complications^b	57.2	36.0	44.3	44.3	45.8	49.6	53.6	54.1	55.3	54.4	55.3
Gestational age^c											
Preterm (<37 weeks)	11.8	12.1	12.2	12.4	12.4	12.4	13.2	13.1	14.1	12.7	12.8
Birth weight											
<2,500 grams	11.1	11.9	12.3	12.0	12.4	12.3	12.3	12.8	13.6	12.9	13.0
<1,500 grams	2.0	2.5	2.3	2.4	2.3	2.1	2.4	2.6	2.6	2.4	2.4
Child's sex											
Male	51.8	51.9	51.5	50.7	51.8	49.0	51.7	50.7	50.0	50.8	51.6
Female	48.2	48.1	48.5	49.3	48.2	51.0	48.3	49.3	50.0	49.2	48.4
Plurality											
Multiple births	3.7	4.7	3.9	3.3	4.0	4.7	4.4	4.2	4.2	4.2	4.3
Caesarean delivery	31.4	33.0	32.8	32.4	30.8	33.7	34.1	34.6	34.2	32.3	34.2
Place of delivery											
Hospital ^d	99.3	99.5	99.6	99.1	99.0	99.1	98.8	98.0	97.7	97.5	97.9
Attendant at birth											
Midwife ^e	3.9	8.8	11.7	12.0	13.2	12.0	12.1	12.0	11.5	11.3	12.3
Previous live births											
1 or more	64.6	66.9	66.2	66.2	67.1	67.4	68.4	67.4	67.1	66.6	65.7

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-11
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	523	536	535	525	572	573	596	608	653	627	622
Age of mother											
≤19 years	12.8	9.0	6.9	9.1	7.9	7.5	7.6	7.1	7.5	6.7	5.9
≥30 years	33.8	35.8	38.7	33.9	38.6	40.1	40.4	42.6	45.2	47.7	49.2
Marital status											
Unmarried	72.8	67.0	64.9	64.0	64.2	64.9	67.6	68.4	69.8	70.2	69.0
Mother's education											
<9 years	3.1	2.4	3.0	4.6	3.0	2.8	3.4	1.8	4.0	2.6	1.9
Prenatal care began											
1st Trimester	77.8	59.1	63.9	62.5	61.0	60.0	57.2	60.7	63.4	64.3	62.9
3rd Trimester	3.3	4.7	4.5	5.1	2.8	5.4	4.0	6.3	4.9	4.5	5.3
No Care	3.4	6.2	5.0	4.6	6.5	7.2	7.7	4.9	5.7	6.5	7.2
Prenatal visits											
1-4	8.6	11.2	12.9	10.9	9.3	10.8	13.1	12.8	12.4	12.6	11.6
≥5	87.2	81.2	80.4	81.0	80.6	79.1	75.3	79.9	81.2	78.6	79.1
≥9	66.7	55.2	55.7	55.6	51.6	53.9	46.8	50.8	53.3	52.8	49.4
≥13	25.2	20.1	22.2	16.0	20.1	20.9	17.1	17.9	20.1	20.4	19.3
Medical risks											
Complications^b	70.0	56.7	57.9	59.4	61.0	68.1	67.8	69.9	70.6	71.5	75.7
Gestational age^c											
Preterm (<37 weeks)	66.9	68.3	65.0	68.2	65.2	62.8	68.3	67.3	69.8	62.4	63.8
Birth weight											
<1,500 grams	18.0	21.5	18.5	20.0	18.4	16.9	19.8	20.4	19.3	18.2	18.2
<1,000 grams	10.3	12.9	10.5	11.4	11.4	9.2	10.6	11.3	10.1	9.4	9.0
Child's sex											
Male	47.2	45.9	46.9	46.1	44.9	41.7	43.5	47.2	45.6	44.7	46.0
Female	52.8	54.1	53.1	53.9	55.1	58.3	56.5	52.8	54.4	55.3	54.0
Plurality											
Multiple births	21.4	22.2	22.8	15.6	20.6	22.7	24.0	19.9	21.9	17.9	20.9
Caesarean delivery	42.8	45.9	47.9	47.6	44.8	49.7	50.8	50.3	51.9	49.4	53.9
Place of delivery											
Hospital ^d	99.0	99.8	100.0	99.6	99.5	99.7	99.2	99.3	98.9	99.2	98.4
Attendant at birth											
Midwife ^e	1.9	8.6	10.3	11.2	12.2	12.0	12.4	11.0	11.3	12.0	13.8
Previous live births											
1 or more	61.8	66.6	64.9	60.6	68.9	64.6	65.4	67.3	66.2	63.5	61.7

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-12
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	5,476	5,145	4,984	5,030	4,866	4,709	4,462	4,087	3,906	4,010	3,902
Age of mother											
≤19 years	14.2	11.7	11.4	10.7	10.7	9.8	9.2	8.4	8.8	7.3	8.0
≥30 years	26.6	26.7	28.9	31.3	31.0	34.4	34.6	36.7	37.9	41.1	41.8
Marital status											
Unmarried	79.1	78.9	79.6	78.1	77.9	78.9	78.4	78.7	79.5	78.2	79.0
Mother's education											
<9 years	2.4	2.2	2.1	1.9	1.7	1.9	1.6	1.4	1.6	1.2	1.4
Prenatal care began											
1st Trimester	68.7	58.4	58.5	60.7	59.4	56.5	57.4	57.1	57.7	57.1	59.0
3rd Trimester	6.1	7.5	8.4	8.2	8.4	9.4	9.0	10.8	10.2	9.2	9.0
No Care	2.4	2.9	4.3	4.0	4.1	5.1	5.3	4.3	5.4	4.4	3.8
Prenatal visits											
1-4	9.5	10.5	10.4	11.0	11.5	11.2	12.0	12.1	11.4	9.7	10.2
≥5	87.7	85.0	84.2	83.9	83.0	81.5	80.1	80.8	80.4	81.4	82.7
≥9	63.7	59.3	60.0	59.9	58.8	55.5	55.7	54.0	55.7	56.9	60.1
≥13	21.3	18.2	18.7	19.0	19.9	18.4	18.6	19.6	20.4	19.9	23.5
Medical risks/ Complications^b	61.7	45.9	52.4	53.5	56.1	59.2	60.4	60.6	64.3	66.6	67.7
Gestational age^c											
Preterm (<37 weeks)	9.7	8.2	9.6	9.9	10.9	10.4	10.6	10.8	12.4	12.5	11.6
Birth weight											
<2,500 grams	7.2	6.1	7.3	7.2	7.7	7.9	7.9	7.2	7.8	8.7	8.0
<1,500 grams	1.0	0.9	1.3	1.3	1.3	1.4	1.3	1.2	1.3	1.6	1.4
Child's sex											
Male	51.6	49.7	50.8	50.4	51.6	52.0	51.3	51.8	51.0	50.4	51.6
Female	48.4	50.3	49.2	49.6	48.4	48.0	48.7	48.2	49.0	49.6	48.4
Plurality											
Multiple births	1.8	1.3	1.8	2.2	2.2	2.0	2.1	1.7	2.2	2.1	2.2
Caesarean delivery	24.0	22.7	22.6	23.5	24.4	25.2	24.6	26.8	26.2	27.1	27.0
Place of delivery											
Hospital ^d	99.7	99.7	99.4	99.5	99.5	99.2	99.5	99.4	99.5	99.4	99.5
Attendant at birth											
Midwife ^e	27.6	10.6	9.1	9.8	10.0	10.0	10.0	11.9	11.0	9.7	11.9
Previous live births											
1 or more	68.5	70.0	71.0	71.4	70.5	71.2	70.5	69.9	70.5	71.6	69.6

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-13
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	393	315	365	363	376	373	353	294	306	349	311
Age of mother											
≤19 years	10.2	10.8	10.1	8.5	10.4	9.4	6.2	8.5	5.9	6.0	8.4
≤30 years	29.5	30.8	34.5	35.5	38.0	42.9	41.6	38.8	51.6	50.4	47.6
Marital status											
Unmarried	82.2	78.4	81.9	75.2	79.8	80.7	79.9	83.0	79.1	79.1	80.1
Mother's education											
<9 years	5.1	2.9	3.6	1.1	2.9	2.4	2.3	2.0	2.3	2.9	2.6
Prenatal care began											
1st Trimester	66.9	46.7	48.5	54.0	54.0	45.0	47.3	50.0	47.1	55.3	54.3
3rd Trimester	8.4	5.1	6.6	6.3	4.3	5.9	4.2	9.2	10.5	5.4	4.2
No Care	4.3	8.6	13.7	9.9	10.1	17.2	19.3	8.2	9.8	10.0	10.9
Prenatal visits											
1-4	17.6	15.6	15.3	18.5	15.2	17.7	18.7	22.8	18.6	14.9	15.1
≥5	76.8	72.7	66.6	69.4	70.5	59.5	58.4	63.9	64.1	68.5	66.9
≥9	50.6	40.6	40.5	41.3	40.2	28.7	34.0	39.8	36.3	39.5	42.4
≥13	15.3	10.2	11.2	12.9	14.9	8.8	10.2	14.3	14.7	12.3	15.1
Medical risks/ Complications^b	71.2	65.7	68.5	70.8	71.3	77.2	85.0	80.6	85.3	85.1	84.6
Gestational age^c											
Preterm (<37 weeks)	70.7	65.1	69.9	71.1	72.1	68.1	70.3	69.4	72.9	75.1	74.9
Birth weight											
<1,500 grams	13.7	14.6	18.1	17.6	16.8	17.4	16.1	17.3	16.7	18.6	17.0
<1,000 grams	4.6	7.9	8.5	7.7	6.4	8.3	6.5	8.2	6.5	8.9	9.0
Child's sex											
Male	51.4	44.4	45.8	52.1	50.3	49.9	43.6	51.0	44.8	51.9	48.9
Female	48.6	55.6	54.2	47.9	49.7	50.1	56.4	49.0	55.2	48.1	51.1
Plurality											
Multiple births	12.7	9.8	13.4	17.4	10.6	13.1	13.9	12.9	14.4	10.9	15.1
Caesarean delivery	44.3	41.9	43.8	43.3	47.3	42.9	49.0	53.1	52.6	49.6	50.8
Place of delivery											
Hospital ^d	100.0	100.0	98.6	99.2	99.2	98.4	99.7	100.0	99.7	98.6	99.4
Attendant at birth											
Midwife ^e	11.5	10.2	7.9	8.5	11.4	8.6	8.8	7.5	8.8	7.4	9.3
Previous live births											
1 or more	68.7	69.8	70.4	69.7	68.4	71.3	72.5	66.7	70.6	73.4	64.3

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-14
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	3,466	3,169	3,235	3,350	3,327	3,271	3,163	2,968	3,017	3,122	3,258
Age of mother											
≤19 years	2.3	1.8	1.9	1.5	1.7	1.3	1.3	1.0	0.7	1.0	1.0
≥30 years	59.2	60.4	60.5	60.8	61.9	65.1	65.6	64.9	68.7	69.2	71.3
Marital status											
Unmarried	16.0	15.2	14.3	15.4	14.6	14.8	14.8	16.4	17.6	16.4	16.9
Mother's education											
<9 years	2.7	3.0	3.1	3.0	2.9	3.0	2.3	2.3	1.8	2.0	1.8
Prenatal care began											
1st Trimester	86.4	70.5	71.8	73.2	72.2	72.5	73.2	74.3	77.7	75.6	74.6
3rd Trimester	2.9	4.5	5.0	4.3	4.7	5.0	6.5	5.2	4.9	4.4	5.2
No Care	0.7	1.4	1.2	1.3	1.9	1.9	1.3	1.7	1.6	1.6	1.3
Prenatal visits											
1-4	2.6	2.6	3.6	3.1	2.8	3.3	3.9	3.3	3.3	3.6	3.6
≥5	96.6	94.5	93.9	93.7	93.9	93.6	93.2	93.6	94.2	93.7	94.7
≥9	85.6	82.3	80.6	79.8	81.2	79.0	77.3	77.0	79.2	79.3	78.7
≥13	39.2	33.7	31.6	29.9	34.7	33.5	32.2	31.7	33.4	32.5	33.6
Medical risks/ Complications^b	57.4	37.9	42.2	44.4	47.0	47.1	49.4	51.2	51.7	52.0	54.3
Gestational age^c											
Preterm (<37 weeks)	8.9	8.0	9.4	8.7	9.6	10.0	9.5	9.3	10.3	10.5	10.5
Birth weight											
<2,500 grams	7.9	8.1	9.0	9.3	9.5	9.8	8.6	9.6	9.2	10.6	11.0
<1,500 grams	1.1	1.2	1.2	1.4	1.1	1.2	1.0	1.1	1.4	1.3	1.4
Child's sex											
Male	51.4	51.5	51.5	51.7	51.3	51.2	51.9	51.2	52.3	50.5	50.5
Female	48.6	48.5	48.5	48.3	48.7	48.8	48.1	48.8	47.7	49.5	49.5
Plurality											
Multiple births	3.2	3.2	3.3	3.7	3.4	3.0	3.2	2.6	2.5	2.6	2.5
Caesarean delivery	33.2	32.4	34.0	32.5	32.3	30.9	31.0	33.6	32.8	34.3	33.5
Place of delivery											
Hospital ^d	99.1	99.3	99.4	99.3	99.3	99.1	98.8	98.9	98.6	98.9	98.6
Attendant at birth											
Midwife ^e	3.3	10.0	10.4	11.1	11.8	11.4	13.5	14.5	13.5	13.5	15.4
Previous live births											
1 or more	56.2	53.4	54.0	54.1	56.6	56.3	56.7	56.2	56.7	56.9	55.5

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-15
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2013-2023
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	275	256	291	313	315	319	273	285	277	330	360
Age of mother											
≤19 years	1.5	1.2	1.7	1.0	1.9	2.2	1.8	0.7	1.4	0.9	0.8
≤30 years	66.2	64.1	61.5	63.3	63.5	69.3	66.7	69.5	70.8	70.0	78.9
Marital status											
Unmarried	12.4	14.1	15.1	13.7	17.1	17.9	13.2	16.5	17.7	18.2	14.4
Mother's education											
<9 years	3.6	4.3	2.7	3.2	2.9	3.1	1.5	3.5	1.8	1.8	1.4
Prenatal care began											
1st Trimester	86.9	70.3	72.9	74.4	74.0	70.2	76.2	70.2	76.9	77.0	2.5
3rd Trimester	3.6	4.7	3.8	2.9	2.5	4.1	5.1	3.5	1.8	3.3	73.3
No Care	0.7	3.5	2.7	2.9	2.5	4.7	1.8	2.5	3.6	3.0	4.2
Prenatal visits											
1-4	6.2	4.7	8.6	7.0	4.4	7.2	5.9	6.0	7.9	6.1	6.7
≥5	93.1	88.7	86.9	87.2	92.1	85.9	91.2	89.5	87.4	89.4	90.3
≥9	73.5	66.8	64.6	67.7	70.5	58.9	64.8	61.8	62.8	61.8	62.2
≥13	31.6	25.4	29.6	22.0	28.3	22.3	29.7	21.1	23.1	19.7	25.3
Medical risks/ Complications^b	73.8	54.7	56.0	61.0	67.9	64.9	63.0	66.0	65.7	68.2	69.2
Gestational age^c											
Preterm (<37 weeks)	61.1	60.2	60.1	60.7	61.9	63.9	63.0	65.6	62.5	59.4	63.3
Birth weight											
<1,500 grams	13.5	15.2	13.1	15.3	11.7	11.9	11.7	11.2	14.8	12.4	12.2
<1,000 grams	6.2	6.6	6.5	8.6	6.0	5.3	6.2	4.9	6.9	6.7	5.8
Child's sex											
Male	46.5	49.2	48.8	45.4	46.0	44.2	53.5	49.5	49.1	49.1	46.1
Female	53.5	50.8	51.2	54.6	54.0	55.8	46.5	50.5	50.9	50.9	53.9
Plurality											
Multiple births	23.6	24.2	25.1	24.0	20.3	20.4	20.9	21.1	15.5	13.6	17.8
Caesarean delivery	53.1	47.7	51.5	47.0	50.8	48.3	44.7	51.2	46.6	46.4	50.8
Place of delivery											
Hospital ^d	100.0	100.0	100.0	99.7	99.7	99.7	98.5	99.6	99.6	99.7	99.2
Attendant at birth											
Midwife ^e	2.2	12.1	12.0	8.6	12.4	9.4	15.4	13.3	15.2	11.8	17.2
Previous live births											
1 or more	56.4	46.9	54.6	50.8	47.6	52.7	52.0	53.0	51.6	50.6	50.3

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to corrections.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-16
SINGLE AND PLURAL LIVE BIRTHS BY BIRTHWEIGHT, ARIZONA RESIDENTS, 2013-2023

Weight in grams	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Under 1,000, total	433	509	448	492	472	476	419	441	472	438	476
Single	332	384	358	380	375	383	319	341	383	374	364
Plural	101	125	90	112	97	93	100	100	89	64	112
1,000-1,499, total	494	509	523	519	492	509	483	438	508	500	509
Single	341	379	386	395	369	358	361	327	390	401	361
Plural	153	130	137	124	123	151	122	111	118	99	148
1,500-1,999, total	1,152	1,156	1,133	1,166	1,105	1,257	1,134	1,073	1,196	1,141	1,207
Single	830	803	793	808	784	837	795	758	848	820	847
Plural	322	353	340	358	321	420	339	315	348	321	360
2,000-2,499, total	3,770	3,895	3,988	4,009	4,040	3,864	3,793	3,698	3,964	4,034	4,092
Single	2,920	3,063	3,186	3,124	3,186	3,028	3,030	2,960	3,213	3,305	3,350
Plural	850	832	802	885	854	836	763	738	751	729	742
2,500-3,999, total	72,494	73,627	72,240	71,613	69,200	68,157	67,354	65,280	65,815	66,525	65,867
Single	71,377	72,449	71,109	70,450	67,940	67,032	66,337	64,270	64,809	65,373	64,848
Plural	1,117	1,178	1,131	1,163	1,260	1,125	1,017	1,010	1,006	1,152	1,019
4,000 and over, total	6,540†	6,900†	6,630†	6,570†	6,310†	6,240†	5,950†	5,790†	5,842	5,660†	5,680†
Single	6,537	6,900	6,633	6,569	6,310	6,234	5,951	5,787	5,842	5,658	5,680
Plural	*	*	*	*	*	*	*	*	0	*	*
All weights, total^a	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881
Single	82,415	84,014	82,501	81,752	79,005	77,909	76,837	74,501	75,543	75,985	75,497
Plural	2,550†	2,630†	2,518	2,647	2,657	2,630	2,343	2,280	2,313	2,369	2,382

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes records with unknown weight and/or plurality.

**TABLE 1B-17
RESIDENT BIRTHS BY MONTH OF OCCURRENCE, ARIZONA, 2013-2023**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2013	7,090	6,414	7,083	6,694	6,681	6,685	7,337	7,436	7,538	7,515	7,130	7,360	84,963
Percent	8.3	7.5	8.3	7.9	7.9	7.9	8.6	8.8	8.9	8.8	8.4	8.7	100.0
2014	7,313	6,593	7,068	6,672	6,893	6,856	7,731	7,718	7,651	7,554	6,994	7,605	86,648
Percent	8.4	7.6	8.2	7.7	8.0	7.9	8.9	8.9	8.8	8.7	8.1	8.8	100.0
2015	7,169	6,660	7,175	6,613	6,814	6,770	7,030	7,372	7,685	7,487	6,940	7,309	85,024
Percent	8.4	7.8	8.4	7.8	8.0	8.0	8.3	8.7	9.0	8.8	8.2	8.6	100.0
2016	7,053	6,729	6,830	6,558	6,724	6,754	7,045	7,711	7,687	7,192	6,898	7,223	84,404
Percent	8.4	8.0	8.1	7.8	8.0	8.0	8.3	9.1	9.1	8.5	8.2	8.6	100.0
2017	6,931	6,147	6,774	6,285	6,507	6,613	6,964	7,402	7,200	7,299	6,791	6,751	81,664
Percent	8.5	7.5	8.3	7.7	8.0	8.1	8.5	9.1	8.8	8.9	8.3	8.3	100.0
2018	6,706	6,177	6,614	6,129	6,409	6,473	6,835	7,294	7,108	7,144	6,815	6,835	80,539
Percent	8.3	7.7	8.2	7.6	8.0	8.0	8.5	9.1	8.8	8.9	8.5	8.5	100.0
2019	6,811	6,070	6,651	6,078	6,267	6,154	6,940	7,192	6,858	6,872	6,577	6,713	79,183
Percent	8.6	7.7	8.4	7.7	7.9	7.8	8.8	9.1	8.7	8.7	8.3	8.5	100.0
2020	6,671	6,247	6,347	5,954	6,030	6,068	6,763	6,690	6,732	6,637	6,197	6,445	76,781
Percent	8.7	8.1	8.3	7.8	7.9	7.9	8.8	8.7	8.8	8.6	8.1	8.4	100.0
2021	6,156	5,606	6,002	6,024	6,051	6,217	6,904	7,094	7,097	7,049	6,693	6,964	77,857
Percent	7.9	7.2	7.7	7.7	7.8	8.0	8.9	9.1	9.1	9.1	8.6	8.9	100.0
2022	6,564	5,992	6,470	5,951	5,998	6,245	6,720	7,078	6,834	6,639	6,821	7,043	78,355
Percent	8.4	7.6	8.3	7.6	7.7	8.0	8.6	9.0	8.7	8.5	8.7	9.0	100.0
2023	6,540	6,012	6,418	5,961	6,156	6,157	6,583	7,146	6,856	6,830	6,590	6,632	77,881
Percent	8.4	7.7	8.2	7.7	7.9	7.9	8.5	9.2	8.8	8.8	8.5	8.5	100.0

TABLE 1B-18
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2023

	TOTAL	Month of birth												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL	77,881	6,540	6,012	6,418	5,961	6,156	6,157	6,583	7,146	6,856	6,830	6,590	6,632	
Day of birth														
1	2,630	168	227	247	180	231	228	179	221	240	197	247	265	
2	2,530	187	219	240	150	203	235	168	232	214	223	250	209	
3	2,615	209	239	240	206	207	194	204	277	206	241	235	157	
4	2,563	240	222	179	231	220	154	198	252	182	245	202	238	
5	2,551	257	182	155	204	220	204	193	197	271	243	182	243	
6	2,634	233	218	202	214	189	232	229	171	275	249	219	203	
7	2,594	201	234	212	221	148	218	238	205	249	215	249	204	
8	2,580	175	235	237	187	196	205	200	256	260	168	243	218	
9	2,449	216	207	247	127	193	194	171	256	194	215	232	197	
10	2,609	220	229	235	201	219	191	206	261	188	239	232	188	
11	2,525	221	218	185	208	213	164	249	226	217	224	197	203	
12	2,546	228	167	162	205	201	234	228	203	247	237	170	264	
13	2,583	232	225	176	203	176	220	251	191	227	234	216	232	
14	2,675	194	240	221	222	169	216	248	222	264	186	238	255	
15	2,477	179	231	200	171	207	219	203	232	224	154	228	229	
16	2,546	218	226	208	159	204	203	177	258	193	236	270	194	
17	2,535	216	226	232	189	209	162	233	251	170	243	240	164	
18	2,559	188	177	192	235	209	166	237	252	216	238	213	236	
19	2,537	237	157	168	254	187	210	208	239	240	227	164	246	
20	2,626	242	206	212	216	180	234	217	188	228	219	239	245	
21	2,703	193	240	231	223	188	215	242	262	241	201	242	225	
22	2,529	193	239	213	165	187	215	196	241	265	171	210	234	
23	2,488	204	227	252	179	221	202	173	247	200	229	180	174	
24	2,504	213	225	203	190	232	206	229	234	193	229	192	158	
25	2,462	235	170	176	227	234	189	231	243	228	245	171	113	
26	2,567	226	171	180	232	222	217	240	198	279	248	159	195	
27	2,566	214	211	179	228	181	224	226	173	261	239	216	214	
28	2,600	214	244	215	185	161	205	210	214	246	197	244	265	
29	2,277	170		201	197	137	209	198	225	250	186	257	247	
30	2,282	211		199	152	206	192	183	264	188	219	253	215	
31	1,539	206		219		206		218	255		233		202	

**TABLE 1B-19
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2023**

Father's age group	Mother's age group										
	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known	TOTAL
<15	*	*	0	0	0	0	0	0	0	0	10†
15-17	*	187	95	13	*	0	0	0	0	0	300†
18-19	0	192	721	360	20	*	0	0	0	0	1,300†
20-24	0	59	970	6,629	1,278	171	50	*	0	0	9,160†
25-29	0	9	147	4,132	11,000	2,043	323	52	*	*	17,710†
30-34	0	6	44	943	6,485	10,852	1,664	170	*	0	20,170†
35-39	0	*	21	303	1,575	5,581	5,091	513	19	0	13,100†
40-44	0	0	8	104	432	1,411	2,397	932	34	0	5,318
45-49	0	0	*	34	143	329	619	411	47	0	1,590†
50-54	0	0	0	13	42	99	200	134	23	0	511
55+	0	0	*	16	29	71	88	70	14	0	290†
Unknown	21	394	585	2,331	2,133	1,765	941	240	19	*	8,430
TOTAL	30†	850†	2,600†	14,878	23,140†	22,330†	11,373	2,530†	160†	0†	77,881

**TABLE 1B-20
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2023**

Father's race/ethnicity	Mother's race/ethnicity					TOTAL
	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
White non-Hispanic	25,370	9,524	1,667	1,105	891	38,557
Hispanic or Latino	4,788	22,667	292	601	305	28,653
Black or African American	1,208	1,095	2,774	88	93	5,258
American Indian or Alaska Native	217	344	19	2,077	20	2,677
Asian or Pacific Islander	453	279	24	31	1,949	2,736
TOTAL	32,036	33,909	4,776	3,902	3,258	77,881

**TABLE 1B-21
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2023**

Father's education	Mother's education								TOTAL
	8th Grade or Less	Some High School	High School/ GED	Some College	Associate Degree	Bachelor's Degree	Post graduate Education	Un-known	
8th Grade or Less	768	440	518	189	130	92	28	10	2,175
Some High School	274	2,712	2,899	1,193	362	243	61	29	7,773
High School/ GED	293	2,192	10,413	4,370	1,657	1,886	515	64	21,390
Some College	69	592	2,918	5,411	1,529	2,658	858	39	14,074
Associate Degree	47	174	849	1,158	1,184	1,250	414	23	5,099
Bachelor's Degree	33	122	1,004	1,626	1,011	5,962	2,529	32	12,319
Postgraduate Education	13	43	273	412	358	2,301	2,654	18	6,072
Unknown	417	2,238	3,347	1,530	476	443	153	375	8,979
TOTAL	1,914	8,513	22,221	15,889	6,707	14,835	7,212	590	77,881

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; 590 cases were missing mother's education and 8,979 cases were missing father's education.

TABLE 1B-22
TOTAL BIRTHS AND RATIOS OF BIRTH BY MOTHER'S MARITAL STATUS^a, AGE GROUP,
AND RACE/ETHNICITY, ARIZONA, 2023

			TOTAL	Mother's age group									
				<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	Married	Count	41,796	0	13	198	4,111	12,723	15,051	7,873	1,708	119	0
		Percent	53.7%	0.0%	1.5%	7.6%	27.6%	55.0%	67.4%	69.2%	67.6%	72.6%	0.0%
	Unmarried	Count	35,410†	27	837	2,393	10,708	10,234	7,067	3,336	766	38	*
		Percent	45.5%	100.0%	98.4%	92.2%	72.0%	44.2%	31.7%	29.3%	30.3%	23.2%	**
	Unknown	Count	680†	0	*	*	59	181	208	164	53	7	*
		Percent	0.9%	0.0%	**	**	0.4%	0.8%	0.9%	1.4%	2.1%	4.3%	**
	TOTAL	Count	77,880†	27	851	2,595	14,878	23,138	22,326	11,373	2,527	164	*
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**
White non- Hispanic	Married	Count	21,980†	0	*	66	1,894	6,588	8,178	4,307	876	62	0
		Percent	68.6%	0.0%	**	11.2%	40.8%	69.2%	78.8%	78.1%	74.8%	68.9%	0.0%
	Unmarried	Count	9,760†	*	123	519	2,727	2,860	2,117	1,124	266	21	*
		Percent	30.5%	**	96.9%	88.4%	58.8%	30.0%	20.4%	20.4%	22.7%	23.3%	**
	Unknown	Count	300†	0	0	*	19	73	86	82	29	7	*
		Percent	0.9%	0.0%	0.0%	**	0.4%	0.8%	0.8%	1.5%	2.5%	7.8%	**
	TOTAL	Count	32,040†	*	127	587	4,640	9,521	10,381	5,513	1,171	90	*
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**
Hispanic or Latino	Married	Count	14,571	0	8	123	1,906	4,927	4,802	2,232	533	40	0
		Percent	43.0%	0.0%	1.4%	7.7%	23.4%	46.7%	57.6%	59.3%	60.5%	78.4%	0.0%
	Unmarried	Count	19,066	20	547	1,478	6,217	5,538	3,444	1,478	333	11	0
		Percent	56.2%	100.0%	98.4%	92.2%	76.3%	52.5%	41.3%	39.2%	37.8%	21.6%	0.0%
	Unknown	Count	270†	0	*	*	30	80	88	56	15	0	0
		Percent	0.8%	0.0%	**	**	0.4%	0.8%	1.1%	1.5%	1.7%	0.0%	0.0%
	TOTAL	Count	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51	0
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
Black or African American	Married	Count	1,780†	0	0	*	147	468	627	426	105	*	0
		Percent	37.3%	0.0%	0.0%	**	15.9%	34.1%	47.8%	57.3%	57.4%	**	0.0%
	Unmarried	Count	2,940†	*	62	164	772	889	670	306	75	*	0
		Percent	61.6%	**	100.0%	98.2%	83.5%	64.8%	51.0%	41.1%	41.0%	**	0.0%
	Unknown	Count	50†	0	0	0	6	15	16	12	*	0	0
		Percent	1.1%	0.0%	0.0%	0.0%	0.6%	1.1%	1.2%	1.6%	**	0.0%	0.0%
	TOTAL	Count	4,780†	*	62	167	925	1,372	1,313	744	183	8	0
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
American Indian or Alaska Native	Married	Count	770†	0	*	*	80	220	265	171	28	*	0
		Percent	19.8%	0.0%	**	**	8.5%	21.6%	26.4%	32.3%	29.5%	**	0.0%
	Unmarried	Count	3,080†	*	98	207	859	786	720	347	63	*	0
		Percent	79.0%	**	99.0%	97.6%	91.3%	77.3%	71.8%	65.5%	66.3%	**	0.0%
	Unknown	Count	50†	0	0	0	*	11	18	12	*	0	0
		Percent	1.2%	0.0%	0.0%	0.0%	**	1.1%	1.8%	2.3%	**	0.0%	0.0%
	TOTAL	Count	3,900†	*	99	212	941	1,017	1,003	530	95	*	0
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**	0.0%
Asian or Pacific Islander	Married	Count	2,700†	0	0	*	84	520	1,179	737	166	11	0
		Percent	82.8%	0.0%	0.0%	**	38.4%	76.1%	91.0%	89.9%	84.3%	100.0%	0.0%
	Unmarried	Count	552	0	7	25	133	161	116	81	29	0	0
		Percent	16.9%	0.0%	100.0%	96.2%	60.7%	23.6%	9.0%	9.9%	14.7%	0.0%	0.0%
	Unknown	Count	10†	0	0	0	*	*	0	*	*	0	0
		Percent	0.2%	0.0%	0.0%	0.0%	**	**	0.0%	**	**	0.0%	0.0%
	TOTAL	Count	3,258	0	7	26	219	683	1,295	820	197	11	0
		Percent	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced.

TABLE 1B-23
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF
PREVIOUS LIVE BIRTHS, ARIZONA, 2023

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	TOTAL	77,881	30†	850†	2,600†	14,878	23,138	22,326	11,373	2,527	164	0†
	None	29,983	26	800	2,189	8,625	8,995	6,419	2,449	455	25	0
	1	23,190†	*	47	367	4,418	7,484	6,997	3,228	608	39	0
	2	13,300†	0	*	34	1,414	4,213	4,670	2,424	503	34	*
	3	6,300†	0	0	*	328	1,615	2,410	1,561	369	14	0
	4 or more	5,092	0	0	0	93	826	1,827	1,705	589	52	0
	Unknown	20†	0	0	0	0	*	*	6	*	0	0
White non- Hispanic	TOTAL	32,040†	0†	127	587	4,640	9,521	10,381	5,513	1,171	90	0†
	None	13,080†	*	117	506	2,869	4,274	3,554	1,468	276	12	0
	1	9,992	0	10	74	1,309	3,067	3,443	1,739	322	28	0
	2	5,104	0	0	7	367	1,471	1,909	1,123	205	20	*
	3	2,211	0	0	0	76	485	916	587	139	8	0
	4 or more	1,635	0	0	0	19	220	558	590	226	22	0
	Unknown	10†	0	0	0	0	*	*	6	*	0	0
Hispanic or Latino	TOTAL	33,909	20†	560†	1,600†	8,153	10,545	8,334	3,766	881	50†	0
	None	12,627	19	523	1,353	4,618	3,614	1,823	571	100	6	0
	1	9,850†	*	30	227	2,492	3,532	2,495	894	174	8	0
	2	6,200†	0	*	18	801	2,166	2,076	919	202	12	0
	3	2,990†	0	0	*	191	833	1,116	685	160	*	0
	4 or more	2,237	0	0	0	51	400	823	697	245	21	0
	Unknown	0†	0	0	0	0	0	*	0	0	0	0
Black or African American	TOTAL	4,780†	0†	60†	170†	925	1,372	1,313	744	183	10†	0
	None	1,640†	*	59	136	537	448	308	117	28	*	0
	1	1,220†	0	*	29	254	417	328	151	37	0	0
	2	860†	0	0	*	94	251	317	160	37	0	0
	3	496	0	0	0	28	139	162	135	32	0	0
	4 or more	560†	0	0	0	12	117	197	181	49	*	0
	Unknown	0†	0	0	0	0	0	*	0	0	0	0
American Indian or Alaska Native	TOTAL	3,900†	0†	100†	212	941	1,017	1,003	530	100†	0†	0
	None	1,190†	*	94	169	466	256	150	48	*	0	0
	1	960†	0	*	36	305	298	224	85	6	0	0
	2	730†	0	*	7	128	248	239	92	17	0	0
	3	460†	0	0	0	31	134	170	109	19	*	0
	4 or more	560†	0	0	0	11	80	220	196	50	*	0
	Unknown	0†	0	0	0	0	*	0	0	0	0	0
Asian or Pacific Islander	TOTAL	3,258	0	7	30†	220†	683	1,295	820	197	10†	0
	None	1,450†	0	7	25	135	403	584	245	48	*	0
	1	1,170†	0	0	*	58	170	507	359	69	*	0
	2	400†	0	0	0	24	77	129	130	42	*	0
	3	140†	0	0	0	*	24	46	45	19	*	0
	4 or more	100†	0	0	0	0	9	29	41	19	*	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; totals include records with unknown number of previous live births.

**TABLE 1B-25
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2023**

		TOTAL	Urban ^a	Rural	Un- known	Mother's race/ethnicity				
						White non- Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
TOTAL		77,881	68,153	9,710 [†]	20 [†]	32,040 [†]	33,909	4,780 [†]	3,900 [†]	3,258
Mother's age group	<15	30 [†]	23	*	0	*	20	*	*	0
	15-17	851	703	148	0	127	556	62	99	7
	18-19	2,595	2,148	447	0	587	1,603	167	212	26
	20-24	14,878	12,571	2,305	*	4,640	8,153	925	941	219
	25-29	23,138	20,253	2,883	*	9,521	10,545	1,372	1,017	683
	30-34	22,326	19,917	2,406	*	10,381	8,334	1,313	1,003	1,295
	35-39	11,373	10,136	1,229	8	5,513	3,766	744	530	820
	40-44	2,527	2,256	267	*	1,171	881	183	95	197
	45+	160 [†]	146	18	0	90	51	8	*	11
	Unknown	0 [†]	0	*	*	*	0	0	0	0
Payer for birth	AHCCCS	36,160	30,741	5,407	12	9,404	20,267	3,107	2,671	711
	IHS	630 [†]	411	219	0	27	26	0	576	*
	Private insurance	33,758	30,727	3,026	*	19,476	10,087	1,335	560	2,300
	Self-pay	4,538	3,772	764	*	2,056	2,111	165	59	147
	Unknown	2,795	2,502	292	*	1,073	1,418	169	36	99
	8th Grade or Less	1,914	1,740	174	0	241	1,401	158	56	58
Mother's education	Some High School	8,513	7,261	1,251	*	1,702	5,349	510	830	122
	High School / GED	22,221	18,962	3,256	*	6,717	11,969	1,546	1,512	477
	Some College	15,889	13,591	2,295	*	6,635	6,895	1,085	922	352
	Associate Degree	6,707	5,727	980	0	2,882	2,910	422	308	185
	Bachelor's Degree	14,835	13,626	1,208	*	9,017	3,921	649	190	1,058
	Postgraduate Education	7,212	6,716	496	0	4,472	1,330	347	71	992
	Unknown	590	530	48	12	370	134	59	13	14
	Married	41,796	37,185	4,611	0	21,975	14,571	1,781	771	2,698
	Unmarried ^b	35,407	30,388	5,011	8	9,762	19,066	2,943	3,084	552
	Unknown	678	580	86	12	299	272	52	47	8
Weight gain	Inadequate	16,848	14,700	2,144	*	6,003	7,869	1,095	912	969
	Adequate	23,524	20,666	2,852	6	9,857	10,097	1,315	1,075	1,180
	Excessive	36,466	31,837	4,623	6	15,924	15,384	2,254	1,803	1,101
	Unknown	1,043	950	89	*	252	559	112	112	8
Smoking during pregnancy	Non-smoker	75,608	66,743	8,854	11	30,619	33,458	4,636	3,667	3,228
	Light smoker (less than 10 cigarettes per day)	958	713	243	*	548	253	82	62	13
	Heavy smoker (10 or more cigarettes per day)	687	500	185	*	517	102	37	24	7
	Unknown	628	197	426	*	352	96	21	149	10
Length of gestation	<37 weeks	7,684	6,763	919	*	2,902	3,378	611	452	341
	37-41 weeks	69,937	61,190	8,731	16	29,000	30,448	4,145	3,434	2,910
	42+ weeks	166	137	29	0	87	54	12	7	6
	Unknown	90 [†]	63	29	*	47	29	8	9	*
Weight at birth	<1,000 grams	476	423	53	0	166	205	56	28	21
	1,000-1,499	509	448	61	0	188	216	57	25	23
	1,500-2,499	5,299	4,664	630	*	1,991	2,225	509	258	316
	2,500-3,999	65,867	57,524	8,330	13	27,019	28,964	3,895	3,225	2,764
	4,000+ grams	5,681	5,061	619	*	2,642	2,288	255	364	132
	Unknown	50 [†]	33	15	*	30	11	*	*	*

TABLE 1B-25 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2023

		TOTAL	Urban ^a	Rural	Un- known	Mother's race/ethnicity				
						White non- Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Prenatal care	No care	1,841	1,570	266	*	505	1,004	139	150	43
	1st trimester	55,608	49,062	6,540	6	24,778	22,993	3,103	2,304	2,430
	2nd trimester	13,832	11,836	1,990	6	4,599	6,755	1,058	874	546
	3rd trimester	4,635	3,961	674	0	1,403	2,365	346	351	170
	Unknown	1,965	1,724	238	*	751	792	130	223	69
Prenatal visits	No visits	1,841	1,570	266	*	505	1,004	139	150	43
	1-4 visits	3,699	3,073	625	*	938	1,919	328	398	116
	5-8 visits	12,997	11,044	1,949	*	4,362	6,263	969	883	520
	9-12 visits	34,725	30,402	4,318	*	14,790	15,071	1,968	1,427	1,469
	13+ visits	23,882	21,430	2,450	*	11,131	9,406	1,332	918	1,095
Newborn intensive care	Unknown	737	634	100	*	310	246	40	126	15
	Yes	6,075	5,275	794	6	2,506	2,498	494	327	250
Method of delivery	No	71,806	62,878	8,914	14	29,530	31,411	4,282	3,575	3,008
	Vaginal	53,372	46,584	6,774	14	22,153	23,373	3,030	2,770	2,046
	C-Section	22,595	20,040	2,551	*	9,033	9,782	1,632	1,055	1,093
	Forceps	250	221	29	0	130	90	11	8	11
	Vacuum	1,657	1,304	352	*	715	664	103	67	108
Obstetric procedures ^c	Unknown	10†	*	*	*	*	0	0	*	0
	Total	40,883	35,845	5,031	7	16,316	18,354	2,338	2,207	1,668
	Induction of labor	25,027	21,788	3,236	*	10,399	10,792	1,474	1,409	953
	Augmentation of labor	22,495	20,214	2,277	*	8,666	10,566	1,213	1,076	974
	Cervical cerclage	159	142	17	0	54	72	19	6	8
	Tocolysis	272	178	94	0	118	99	20	23	12
	External cephalic version successful	90†	74	18	0	42	28	*	12	6
	External cephalic version failed	198	170	28	0	99	51	14	23	11
	Total	23,521	20,486	3,030	5	8,109	10,770	1,632	2,002	1,008
	Pre-existing diabetes	1,090	875	215	0	252	531	60	209	38
	Gestational diabetes	8,059	6,983	1,075	*	2,513	3,765	394	814	573
	Pre-existing hypertension	1,644	1,408	236	0	572	663	194	171	44
Births with medical risk factors ^c	Gestational hypertension	8,063	6,981	1,080	*	3,154	3,384	568	732	225
	Eclampsia	120†	103	14	0	39	54	16	6	*
	Previous preterm birth	3,516	3,057	459	0	1,250	1,598	296	264	108
	Other previous poor pregnancy outcome	4,493	4,128	365	0	1,574	2,133	401	229	156
	Gonorrhea	200†	165	30	*	44	89	23	37	*
	Syphilis	460†	359	100	*	84	208	40	123	*
	Chlamydia	1,867	1,598	268	*	309	1,145	142	237	34
	Hepatitis B	90†	85	9	0	28	16	21	*	27
Hepatitis C	190†	160	29	*	100	59	9	19	*	

TABLE 1B-25 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2023

		TOTAL	Urban ^a	Rural	Un- known	Mother's race/ethnicity				
						White non- Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Births with complications of labor and delivery ^c	Total	25,328	22,669	2,651	8	10,440	10,707	1,629	1,427	1,125
	Premature rupture of the membranes	4,357	3,829	527	*	1,610	2,000	259	312	176
	Precipitous labor	5,849	5,287	558	*	3,039	1,974	280	275	281
	Prolonged labor	2,147	1,823	324	0	889	922	118	130	88
	Breech presentation	3,249	2,842	407	0	1,484	1,245	188	185	147
	Chorioamnionitis	1,787	1,644	143	0	521	988	101	83	94
	Meconium staining of the amniotic fluid	5,395	4,906	486	*	1,948	2,524	381	300	242
	Fetal intolerance	8,490	7,775	715	0	2,952	3,906	741	524	367
	Maternal transfusion	577	466	111	0	155	286	27	80	29
	Third or fourth degree perineal laceration	369	326	43	0	184	116	12	22	35
	Ruptured uterus	30†	29	*	0	11	16	*	0	*
	Unplanned Hysterectomy	50†	35	12	0	12	22	*	7	*
	Admission to intensive care unit	132	112	20	0	45	54	12	14	7
Unplanned surgery following delivery	201	157	43	*	69	79	12	30	11	
Abnormal conditions of the newborn ^c	Total	4,297	3,512	782	3	1,813	1,738	325	261	160
	Assisted ventilation immediately after delivery	3,425	2,796	628	*	1,530	1,336	251	175	133
	Assisted ventilation for more than 6 hours	2,093	1,745	347	*	907	840	152	116	78
	Surfactant replacement therapy	365	316	49	0	145	149	36	26	9
	Suspected neonatal sepsis	1,631	1,369	260	*	573	745	142	117	54
	Seizure or serious neurologic dysfunction	30†	26	*	0	13	10	*	*	*
	Significant birth injury	100†	90	11	0	44	40	*	7	6
	Total	321	260	61	0	125	141	15	29	11
Congenital anomalies of the newborn ^c	Anencephalus	0†	*	0	0	0	*	0	0	0
	Spina bifida / Meningocele	20†	13	*	0	*	9	0	*	0
	Cyanotic congenital heart disease	70†	59	9	0	26	25	6	6	*
	Congenital diaphragmatic hernia	10†	9	*	0	*	8	*	0	0
	Omphalocele / Gastroschisis	20†	18	*	0	7	9	*	*	0
	Limb reduction defect	10†	12	0	0	*	*	*	*	0
	Cleft lip / palate	60†	48	10	0	23	25	*	*	*
	Down syndrome	50†	39	8	0	20	21	*	*	*
	Suspected chromosomal disorder	50†	41	6	0	19	21	*	*	*
	Hypospadias	10†	10	*	0	7	*	*	0	0
	Unknown congenital anomalies	50†	28	21	0	18	22	*	6	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see Technical Notes for more information; ^b Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^c Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

TABLE 1B-26
CHANGES FROM 2013 TO 2023 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH
WHICH DIFFER BY PAYER FOR THE DELIVERY

Characteristics	AHCCCS ^a			Indian Health Service			Private Health Insurance			Self-pay		
	2013	2023	% Change	2013	2023	% Change	2013	2023	% Change	2013	2023	% Change
Number of births^b	45,792	36,160	-21.0	1,081	630	-4.7	34,996	33,758	-3.5	2,954	4,538	53.6
Per 100 births:												
Teenage mother^c	13.3	7.8	-41.4	14.6	8.6	-41.1	2.2	1.1	-50.0	6.5	3.1	-52.3
Unwed mother^d	65.4	68.5	4.7	77.0	76.7	-0.4	18.6	23.5	26.3	32.7	29.7	-9.2
Early prenatal care^e	75.1	65.1	-13.3	63.8	57.1	-10.5	91.4	81.1	-11.3	64.4	57.2	-11.2
0-4 prenatal visits	6.8	9.8	44.1	16.5	14.8	-10.3	1.3	2.9	123.1	20.3	15.4	-24.1
C-Section^f	26.1	28.6	9.6	22.3	28.1	26.0	30.9	30.8	-0.3	19.9	20.1	1.0
LBW rate	7.3	8.9	21.9	5.3	5.6	5.7	6.4	7.5	17.2	5.8	6.2	6.9
Newborn intensive care	5.5	8.6	55.6	3.0	8.1	169.8	5.1	7.3	43.1	4.9	5.8	18.4
Preterm birth < 37 weeks	9.7	11.0	13.4	7.9	9.0	13.9	8.3	9.0	8.4	7.7	7.3	-5.2

Notes: ^a The Arizona Health Care Cost Containment System is the State's Medicaid program; ^b Per 100 live births; ^c Less than 20 years old; ^d Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^e Entered care in first trimester of pregnancy; ^f C-section includes primary and repeat.

**TABLE 1B-27
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2023**

	TOTAL	Payer for birth			
		AHCCCS ^a	IHS	Private Insurance	Self-pay Unknown
TOTAL	77,881	36,160	630†	33,760†	4,538
Mother's age group					
<15	30†	21	0	*	0
15-17	851	708	15	65	46
18-19	2,595	2,094	39	307	94
20-24	14,878	9,818	159	3,676	694
25-29	23,138	10,780	165	9,875	1,415
30-34	22,326	7,994	163	11,950	1,436
35-39	11,373	3,811	71	6,456	661
40-44	2,527	886	17	1,328	181
45+	160†	47	*	99	10
Unknown	0†	*	0	0	*
Mother's race/ethnicity					
White non-Hispanic	32,036	9,404	27	19,476	2,056
Hispanic or Latino	33,909	20,267	26	10,087	2,111
Black or African American	4,776	3,107	0	1,335	165
American Indian or Alaska Native	3,902	2,671	576	560	59
Asian or Pacific Islander	3,260†	711	*	2,300	147
Mother's education					
8th Grade or Less	1,914	1,444	15	103	137
Some High School	8,513	7,015	168	714	325
High School / GED	22,221	14,483	249	5,774	1,076
Some College	15,889	7,515	125	6,739	912
Associate Degree	6,707	2,633	35	3,360	434
Bachelor's Degree	14,835	2,213	24	10,900	1,166
Postgraduate Education	7,212	515	13	6,002	440
Unknown	590†	342	*	166	48
Marital status					
Married	41,796	10,893	141	25,708	3,165
Unmarried ^b	35,407	24,773	483	7,932	1,347
Unknown	678	494	6	118	26
Weight gain					
Inadequate	16,848	8,496	133	6,575	1,037
Adequate	23,524	10,330	179	10,711	1,452
Excessive	36,466	16,727	300	16,319	1,915
Unknown	1,043	607	18	153	134
Smoking during pregnancy					
Non-smoker	75,608	34,655	581	33,291	4,336
Light smoker (less than 10 cigarettes per day)	958	733	11	165	25
Heavy smoker (10 or more cigarettes per day)	687	552	7	95	23
Unknown	628	220	31	207	154
Length of gestation					
<37 weeks	7,684	3,982	57	3,043	330
37-41 weeks	69,937	32,064	572	30,640	4,149
42+ weeks	166	66	0	63	36
Unknown	90†	48	*	12	23
Weight at birth					
<1,000 grams	480†	248	*	190	23
1,000-1,499	509	260	6	200	23
1,500-2,499	5,299	2,728	27	2,157	237
2,500-3,999	65,867	30,563	519	28,612	3,768
4,000+ grams	5,681	2,347	75	2,595	465
Unknown	50†	14	*	*	22

TABLE 1B-27 (continued)
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2023

		TOTAL	Payer for birth				
			AHCCCS ^a	IHS	Private Insurance	Self-pay	Unknown
Prenatal care	No care	1,841	1,193	23	222	355	48
	1st trimester	55,608	23,548	360	27,368	2,596	1,736
	2nd trimester	13,832	7,724	132	4,372	964	640
	3rd trimester	4,635	2,687	76	1,198	423	251
	Unknown	1,965	1,008	39	598	200	120
Prenatal visits	No visits	1,841	1,193	23	222	355	48
	1-4 visits	3,699	2,361	70	762	345	161
	5-8 visits	12,997	7,359	152	4,164	826	496
	9-12 visits	34,725	15,401	207	16,057	1,853	1,207
	13+ visits	23,882	9,473	153	12,324	1,089	843
	Unknown	737	373	25	229	70	40
Newborn intensive care	Yes	6,075	3,095	51	2,466	265	198
	No	71,806	33,065	579	31,292	4,273	2,597
Method of delivery	Vaginal	53,372	24,982	437	22,517	3,509	1,927
	C-Section	22,595	10,333	177	10,389	912	784
	Forceps	250†	89	*	135	12	13
	Vacuum	1,657	755	15	717	105	65
	Unknown	10†	*	0	0	0	6
	Total	40,883	19,101	361	17,973	1,802	1,646
Obstetric procedures ^c	Induction of labor	25,027	11,524	248	11,278	1,019	958
	Augmentation of labor	22,495	10,528	167	9,896	1,040	864
	Cervical cerclage	159	60	0	87	7	*
	Tocolysis	270†	158	0	101	*	8
	External cephalic version successful	90†	38	*	37	7	9
	External cephalic version failed	200†	69	*	109	7	11
Births with medical risk factors ^c	Total	23,521	12,067	353	9,165	913	1,023
	Pre-existing diabetes	1,090	593	33	399	20	45
	Gestational diabetes	8,059	3,821	141	3,518	314	265
	Pre-existing hypertension	1,644	826	35	644	50	89
	Gestational hypertension	8,063	3,812	119	3,442	289	401
	Eclampsia	120†	62	*	45	8	*
	Previous preterm birth	3,516	1,999	50	1,133	153	181
	Other previous poor pregnancy outcome	4,493	2,397	56	1,665	157	218
	Gonorrhea	196	154	12	21	6	*
	Syphilis	460	385	30	17	13	15
	Chlamydia	1,867	1,409	53	252	67	86
	Hepatitis B	90†	52	0	34	*	*
	Hepatitis C	190†	154	*	17	6	8

TABLE 1B-27 (continued)
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2023

	TOTAL	Payer for birth					
		AHCCCS ^a	IHS	Private Insurance	Self-pay	Unknown	
Births with complications of labor and delivery ^c	Total	26,048	11,442	241	11,790	1,427	1,148
	Premature rupture of the membranes	4,357	1,917	65	1,821	297	257
	Precipitous labor	5,849	2,207	29	3,021	404	188
	Prolonged labor	2,147	866	24	1,025	130	102
	Breech presentation	3,249	1,378	30	1,578	150	113
	Chorioamnionitis	1,787	825	18	769	94	81
	Meconium staining of the amniotic fluid	5,395	2,605	71	2,279	245	195
	Fetal intolerance	8,490	3,962	63	3,511	399	555
	Maternal transfusion	577	315	16	196	32	18
	Third or fourth degree perineal laceration	369	104	6	208	26	25
	Ruptured uterus	30†	16	0	13	*	*
	Unplanned Hysterectomy	50†	31	0	12	*	*
	Admission to intensive care unit	130†	82	*	38	*	*
	Unplanned surgery following delivery	201	91	6	72	15	17
	Total	4,297	2,072	44	1,760	239	182
Abnormal conditions of the newborn ^c	Assisted ventilation immediately after delivery	3,425	1,588	28	1,470	196	143
	Assisted ventilation for more than 6 hours	2,093	1,006	24	865	111	87
	Surfactant replacement therapy	370†	172	*	149	20	20
	Suspected neonatal sepsis	1,631	868	19	586	91	67
	Seizure or serious neurologic dysfunction	30†	15	*	11	*	*
	Significant birth injury	101	38	0	42	9	12
	Total	320†	172	3	111	17	18
	Anencephalus	0†	*	0	0	0	0
	Spina bifida / Meningocele	20†	10	0	*	*	*
Congenital anomalies of the newborn ^c	Cyanotic congenital heart disease	70†	42	0	19	*	6
	Congenital diaphragmatic hernia	10†	9	0	*	0	*
	Omphalocele / Gastroschisis	20†	13	0	*	*	*
	Limb reduction defect	12	6	0	6	0	0
	Cleft lip / palate	60†	32	0	21	*	*
	Down syndrome	50†	15	*	23	*	*
	Suspected chromosomal disorder	50†	20	*	24	0	*
	Hypopspadias	10†	*	0	*	*	*
	Unknown congenital anomalies	50†	29	*	11	6	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; ^b Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^c Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

TABLE 1B-28
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND PARTY PAYING FOR THE DELIVERY,
ARIZONA, 2023

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	AHCCCS	36,160	21	708	2,094	9,818	10,780	7,994	3,811	886	47	*
	IHS	630†	0	15	39	159	165	163	71	17	*	0
	Private insurance	33,760†	*	65	307	3,676	9,875	11,950	6,456	1,328	99	0
	Self-pay	4,538	0	46	94	694	1,415	1,436	661	181	10	*
	Unknown	2,800†	*	17	61	531	903	783	374	115	7	0
	TOTAL	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
White non- Hispanic	AHCCCS	9,400†	*	98	419	2,352	2,882	2,247	1,132	249	20	*
	IHS	30†	0	0	0	6	8	11	*	*	0	0
	Private insurance	19,476	0	18	127	1,843	5,629	7,085	3,927	783	64	0
	Self-pay	2,060†	0	9	25	275	625	706	310	100	*	*
	Unknown	1,070†	0	*	16	164	377	332	143	38	*	0
	TOTAL	32,040†	0†	127	587	4,640	9,521	10,381	5,510†	1,170†	90†	0†
Hispanic or Latino	AHCCCS	20,267	15	480	1,350	5,943	6,063	4,133	1,807	454	22	0
	IHS	30†	0	0	0	7	8	8	*	*	0	0
	Private insurance	10,090†	*	31	148	1,502	3,353	3,239	1,491	301	20	0
	Self-pay	2,110†	0	31	63	376	680	613	281	63	*	0
	Unknown	1,420†	*	14	42	325	441	341	185	62	*	0
	TOTAL	33,909	20†	556	1,603	8,153	10,545	8,334	3,770†	880†	50†	0
Black or African American	AHCCCS	3,110†	*	51	148	719	917	760	413	94	*	0
	IHS	0	0	0	0	0	0	0	0	0	0	0
	Private insurance	1,340†	0	8	15	157	349	448	284	71	*	0
	Self-pay	170†	0	*	*	20	55	41	34	10	*	0
	Unknown	170†	*	*	*	29	51	64	13	8	0	0
	TOTAL	4,780†	0†	60†	170†	925	1,372	1,313	744	183	10†	0
American Indian or Alaska Native	AHCCCS	2,670†	*	76	157	680	691	662	349	55	0	0
	IHS	580†	0	15	39	146	149	144	68	14	*	0
	Private insurance	560†	0	7	14	97	146	172	96	25	*	0
	Self-pay	60†	0	*	*	11	23	14	7	*	0	0
	Unknown	36	0	0	0	7	8	11	10	0	0	0
	TOTAL	3,900†	0†	100†	210†	941	1,017	1,003	530	100†	0†	0
Asian or Pacific Islander	AHCCCS	710†	0	*	20	124	227	192	110	34	*	0
	IHS	0†	0	0	0	0	0	0	0	*	0	0
	Private insurance	2,300†	0	*	*	77	398	1,006	658	148	9	0
	Self-pay	150†	0	*	*	12	32	62	29	7	0	0
	Unknown	100†	0	0	*	6	26	35	23	7	*	0
	TOTAL	3,260†	0	10†	30†	219	683	1,295	820	200†	10†	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

TABLE 1B-29
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND TRIMESTER
OF PREGNANCY PRENATAL CARE BEGAN, ARIZONA, 2023

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ethnic groups	No care	1,840†	*	42	104	418	515	443	243	65	*	*
	1st trimester	55,608	10	396	1,521	9,900	16,784	16,712	8,437	1,733	115	0
	2nd trimester	13,830†	*	244	644	3,041	3,942	3,543	1,857	521	35	0
	3rd trimester	4,635	8	129	236	1,112	1,291	1,113	591	149	6	0
	Unknown	1,970†	0	40	90	407	606	515	245	59	*	0
	TOTAL	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
White non-Hispanic	No care	510†	*	*	12	84	150	145	82	23	*	*
	1st trimester	24,780†	*	75	397	3,349	7,365	8,295	4,373	860	63	0
	2nd trimester	4,599	0	31	118	816	1,351	1,330	727	210	16	0
	3rd trimester	1,400†	*	15	42	266	399	388	230	55	6	0
	Unknown	750†	0	*	18	125	256	223	101	23	*	0
	TOTAL	32,040†	0†	130†	587	4,640	9,521	10,381	5,513	1,171	90†	0†
Hispanic or Latino	No care	1,000†	*	26	74	278	281	202	113	28	0	0
	1st trimester	22,993	9	248	914	5,279	7,402	5,920	2,620	567	34	0
	2nd trimester	6,760†	*	172	411	1,725	1,957	1,554	716	199	16	0
	3rd trimester	2,370†	*	82	153	676	669	486	227	68	0	0
	Unknown	790†	0	28	51	195	236	172	90	19	*	0
	TOTAL	33,909	20†	556	1,603	8,153	10,545	8,334	3,766	881	51	0
Black or African American	No care	140†	*	*	11	24	43	41	12	6	0	0
	1st trimester	3,103	0	33	93	595	916	866	480	114	6	0
	2nd trimester	1,060†	0	13	43	215	289	272	177	48	*	0
	3rd trimester	350†	*	13	14	61	93	96	57	11	0	0
	Unknown	130†	0	*	6	30	31	38	18	*	*	0
	TOTAL	4,780†	0†	60†	167	925	1,372	1,313	744	183	10†	0
American Indian or Alaska Native	No care	150†	0	11	6	25	28	46	30	*	*	0
	1st trimester	2,300†	0	39	101	560	614	623	317	47	*	0
	2nd trimester	874	0	26	67	219	221	193	121	27	0	0
	3rd trimester	350†	*	17	25	86	90	84	40	8	0	0
	Unknown	223	0	6	13	51	64	57	22	10	0	0
	TOTAL	3,900†	0†	99	212	941	1,017	1,003	530	100†	0†	0
Asian or Pacific Islander	No care	40†	0	*	*	7	13	9	6	*	0	0
	1st trimester	2,430†	0	*	16	117	487	1,008	647	145	9	0
	2nd trimester	550†	0	*	*	66	124	194	116	37	*	0
	3rd trimester	170†	0	*	*	23	40	59	37	7	0	0
	Unknown	70†	0	0	*	6	19	25	14	*	0	0
	TOTAL	3,258	0	10†	30†	219	683	1,295	820	200†	10†	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

TABLE 1B-30
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF PRENATAL VISITS,
ARIZONA, 2023

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	No visits	1,840†	*	42	104	418	515	443	243	65	*	*
	1-4 visits	3,700†	*	91	202	886	1,055	904	438	114	6	0
	5-8 visits	12,997	6	232	592	2,859	3,756	3,393	1,746	391	22	0
	9-12 visits	34,725	7	331	1,077	6,540	10,315	10,267	5,051	1,064	73	0
	13+ visits	23,882	7	141	592	4,015	7,257	7,116	3,825	871	58	0
	Unknown	737	0	14	28	160	240	203	70	22	0	0
	TOTAL	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
White non- Hispanic	No visits	510†	*	*	12	84	150	145	82	23	*	*
	1-4 visits	940†	*	11	28	174	276	259	138	47	*	0
	5-8 visits	4,360†	*	24	108	765	1,274	1,294	732	152	12	0
	9-12 visits	14,790	0	61	265	2,105	4,327	4,910	2,563	516	43	0
	13+ visits	11,130†	*	26	169	1,461	3,384	3,675	1,965	423	27	0
	Unknown	310†	0	*	*	51	110	98	33	10	0	0
	TOTAL	32,040†	0†	130†	587	4,640	9,521	10,381	5,513	1,171	90†	0†
Hispanic or Latino	No visits	1,000†	*	26	74	278	281	202	113	28	0	0
	1-4 visits	1,920†	*	54	140	523	556	413	188	42	*	0
	5-8 visits	6,260†	*	170	368	1,602	1,846	1,469	634	163	8	0
	9-12 visits	15,071	7	212	649	3,618	4,747	3,819	1,639	356	24	0
	13+ visits	9,406	6	87	353	2,064	3,041	2,375	1,175	287	18	0
	Unknown	250†	0	7	19	68	74	56	17	*	0	0
	TOTAL	33,909	20†	556	1,603	8,153	10,545	8,334	3,766	881	50†	0
Black or African American	No visits	140†	*	*	11	24	43	41	12	6	0	0
	1-4 visits	328	0	10	14	74	85	84	46	15	0	0
	5-8 visits	970†	*	12	45	207	294	238	141	30	*	0
	9-12 visits	1,970†	0	25	60	381	559	556	312	73	*	0
	13+ visits	1,330†	0	14	36	228	380	385	225	59	*	0
	Unknown	40†	0	0	*	11	11	9	8	0	0	0
	TOTAL	4,780†	0†	60†	167	925	1,372	1,313	744	183	10†	0
American Indian or Alaska Native	No visits	150†	0	11	6	25	28	46	30	*	*	0
	1-4 visits	398	0	16	19	93	110	110	44	6	0	0
	5-8 visits	880†	*	22	61	228	224	214	110	23	0	0
	9-12 visits	1,430†	0	33	94	342	361	375	189	31	*	0
	13+ visits	920†	0	13	29	224	251	227	147	26	*	0
	Unknown	130†	0	*	*	29	43	31	10	6	0	0
	TOTAL	3,900†	0†	99	212	941	1,017	1,003	530	100†	0†	0
Asian or Pacific Islander	No visits	40†	0	*	*	7	13	9	6	*	0	0
	1-4 visits	120†	0	0	*	22	28	38	22	*	*	0
	5-8 visits	520†	0	*	10	57	118	178	129	23	*	0
	9-12 visits	1,470†	0	0	9	94	321	607	348	88	*	0
	13+ visits	1,100†	0	*	*	38	201	454	313	76	7	0
	Unknown	20†	0	0	0	*	*	9	*	*	0	0
	TOTAL	3,258	0	10†	30†	219	683	1,295	820	200†	10†	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 1B-31
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2023**

	TOTAL	Prenatal care					Visits		
		No care	1st trimester	2nd trimester	3rd trimester	Un- known	Less than 5	5 or more	Un- known
TOTAL	77,881	1,840†	55,608	13,830†	4,640†	1,970†	5,540	71,604	740†
Mother's age group									
<15	30†	*	10	*	8	0	7	20	0
15-17	851	42	396	244	129	40	133	704	14
18-19	2,595	104	1,521	644	236	90	306	2,261	28
20-24	14,878	418	9,900	3,041	1,112	407	1,304	13,414	160
25-29	23,138	515	16,784	3,942	1,291	606	1,570	21,328	240
30-34	22,326	443	16,712	3,543	1,113	515	1,347	20,776	203
35-39	11,373	243	8,437	1,857	591	245	681	10,622	70
40-44	2,527	65	1,733	521	149	59	179	2,326	22
45+	160†	*	115	35	6	*	11	153	0
Unknown	0†	*	0	0	0	0	*	0	0
Payer for birth									
AHCCCS	36,160	1,193	23,548	7,724	2,687	1,008	3,554	32,233	373
IHS	630	23	360	132	76	39	93	512	25
Private insurance	33,758	222	27,368	4,372	1,198	598	984	32,545	229
Self-pay	4,538	355	2,596	964	423	200	700	3,768	70
Unknown	2,795	48	1,736	640	251	120	209	2,546	40
Mother's education									
8th Grade or Less	1,914	144	895	583	227	65	354	1,543	17
Some High School	8,513	424	4,993	2,052	760	284	1,177	7,235	101
High School / GED	22,221	577	15,153	4,480	1,428	583	1,792	20,223	206
Some College	15,889	262	11,751	2,669	813	394	865	14,868	156
Associate Degree	6,707	110	5,033	1,060	346	158	349	6,296	62
Bachelor's Degree	14,835	143	11,673	2,017	706	296	576	14,147	112
Postgraduate Education	7,212	63	5,874	866	290	119	250	6,932	30
Unknown	590	118	236	105	65	66	177	360	53
Marital status									
Married	41,796	484	32,082	6,351	1,982	897	1,815	39,665	316
Unmarried ^a	35,407	1,274	23,186	7,335	2,586	1,026	3,573	31,437	397
Unknown	678	83	340	146	67	42	152	502	24
Weight gain									
Inadequate	16,848	581	11,076	3,253	1,457	481	1,780	14,898	170
Adequate	23,524	465	17,067	4,248	1,253	491	1,479	21,869	176
Excessive	36,466	595	27,209	6,136	1,769	757	1,905	34,297	264
Unknown	1,043	200	256	195	156	236	376	540	127
Smoking during pregnancy									
Non-smoker	75,608	1,585	54,436	13,337	4,429	1,821	5,037	69,928	643
Light smoker (less than 10 cigarettes per day)	958	102	490	224	101	41	216	725	17
Heavy smoker (10 or more cigarettes per day)	687	97	360	144	57	29	176	497	14
Unknown	628	57	322	127	48	74	111	454	63
Length of gestation									
<37 weeks	7,684	494	5,235	1,280	301	374	1,240	6,288	156
37-41 weeks	69,937	1,295	50,304	12,485	4,316	1,537	4,227	65,166	544
42+ weeks	166	20	67	52	17	10	31	133	*
Unknown	90†	32	*	15	*	44	42	17	35

TABLE B-31 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2023

	TOTAL	Prenatal care					Visits	
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more
Weight at birth	<1,000 grams	480†	316	82	*	28	194	273
	1,000-1,499	509	354	87	8	26	109	384
	1,500-2,499	5,299	3,564	1,024	253	208	652	4,561
	2,500-3,999	65,867	47,192	11,649	4,032	1,573	4,310	60,977
	4,000+ grams	5,681	4,173	978	337	113	262	5,383
	Unknown	50†	9	12	*	17	13	26
Newborn intensive care	Yes	6,075	4,026	1,100	307	247	947	5,015
	No	71,806	51,582	12,732	4,328	1,718	4,593	66,589
Method of delivery	Vaginal	53,372	37,855	9,605	3,204	1,386	3,776	49,060
	C-Section	22,595	16,400	3,891	1,315	526	1,613	20,807
	Forceps	250†	*	190	37	15	14	233
	Vacuum	1,657	52	1,163	299	101	136	1,504
	Unknown	10†	*	0	0	6	*	0
	Total	40,883	29,274	7,428	2,546	980	2,380	38,151
Obstetric procedures^b	Induction of labor	25,027	18,122	4,632	1,583	462	1,136	23,777
	Augmentation of labor	22,495	16,001	3,996	1,397	615	1,530	20,703
	Cervical cerclage	160†	*	117	27	7	13	142
	Tocolysis	272	7	202	50	6	22	247
	External cephalic version successful	90†	*	64	21	*	6	86
	External cephalic version failed	200†	*	145	34	12	12	186
Births with medical risk factors^b	Total	23,521	16,712	4,238	1,405	625	1,789	21,504
	Pre-existing diabetes	1,090	22	805	186	50	66	1,013
	Gestational diabetes	8,059	58	5,978	1,432	424	347	7,659
	Pre-existing hypertension	1,644	28	1,220	270	85	124	1,510
	Gestational hypertension	8,063	211	5,696	1,426	498	666	7,307
	Eclampsia	120†	6	94	11	*	14	102
	Previous preterm birth	3,516	135	2,397	653	209	412	3,055
	Other previous poor pregnancy outcome	4,493	94	3,288	792	232	315	4,148
	Gonorrhea	196	20	111	37	18	39	153
	Syphilis	460	50	226	119	46	118	335
	Chlamydia	1,867	58	1,108	447	185	235	1,600
	Hepatitis B	90†	*	52	26	10	13	81
	Hepatitis C	190	27	78	51	24	52	133

TABLE 1B-31 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2023

	TOTAL	Prenatal care				Visits		
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more
Births with complications of labor and delivery ^b	Total	25,328	731	17,945	4,445	1,454	753	22,945
	Premature rupture of the membranes	4,357	115	3,126	763	206	147	3,890
	Precipitous labor	5,849	232	4,145	999	336	137	5,272
	Prolonged labor	2,147	34	1,617	345	99	52	2,006
	Breech presentation	3,249	107	2,333	553	153	103	2,882
	Chorioamnionitis	1,787	40	1,258	345	100	44	1,643
	Meconium staining of the amniotic fluid	5,395	183	3,764	941	368	139	4,872
	Fetal intolerance	8,490	214	5,892	1,554	479	351	7,691
	Maternal transfusion	577	34	364	121	36	22	480
	Third or fourth degree perineal laceration	370 [†]	*	265	58	28	13	342
	Ruptured uterus	30 [†]	0	19	7	*	*	30
	Unplanned Hysterectomy	50 [†]	*	29	9	*	6	39
Abnormal conditions of the newborn ^b	Admission to intensive care unit	130 [†]	22	72	24	*	9	92
	Unplanned surgery following delivery	201	10	126	43	12	10	175
	Total	4,297	251	2,867	780	217	182	3,586
	Assisted ventilation immediately after delivery	3,425	194	2,325	614	164	128	2,876
	Assisted ventilation for more than 6 hours	2,093	138	1,401	370	82	102	1,692
	Surfactant replacement therapy	365	36	229	72	8	20	250
	Suspected neonatal sepsis	1,631	141	1,031	301	78	80	1,272
	Seizure or serious neurologic dysfunction	30 [†]	*	18	7	0	*	26
	Significant birth injury	100 [†]	*	67	21	6	*	91
	Total	321	12	189	82	22	16	272
	Anencephalus	0 [†]	*	*	0	0	*	*
Congenital anomalies of the newborn ^b	Spina bifida / Meningocele	15	0	9	6	0	0	15
	Cyanotic congenital heart disease	70 [†]	*	37	17	10	*	57
	Congenital diaphragmatic hernia	10 [†]	0	*	*	*	*	9
	Omphalocele / Gastroschisis	20 [†]	0	14	*	*	0	17
	Limb reduction defect	10 [†]	*	7	*	*	*	11
	Cleft lip / palate	60 [†]	*	38	14	*	0	49
	Down syndrome	50 [†]	*	28	15	*	0	43
	Suspected chromosomal disorder	50 [†]	*	32	13	0	0	41
	Hypospadias	10 [†]	0	6	*	*	*	12
	Unknown congenital anomalies	50 [†]	*	22	12	*	8	34
	Total	321	12	189	82	22	16	272

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^b Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-32
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2023**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
TOTAL	77,881	6,280†	71,548	50†	7,680†	69,937	170†	90†
Mother's age group	<15	*	25	0	*	23	0	0
	15-17	85	766	0	100	747	*	*
	18-19	2,600†	245	*	252	2,334	*	6
	20-24	14,878	1,129	13,739	10	1,309	13,529	27
	25-29	23,138	1,648	21,473	17	2,001	21,045	58
	30-34	22,326	1,769	20,545	12	2,231	20,036	40
	35-39	11,373	1,065	10,302	6	1,355	9,975	27
	40-44	2,527	306	2,219	*	393	2,122	9
	45+	164	35	129	0	38	126	0
	Unknown	0†	0	0	*	0	0	*
	AHCCCS	36,160	3,236	32,910	14	3,982	32,064	66
	IHS	630	35	594	*	57	572	0
Payer for birth	Private insurance	33,758	2,547	31,207	*	3,043	30,640	63
	Self-pay	4,538	283	4,233	22	330	4,149	36
	Unknown	2,800†	183	2,604	8	272	2,512	*
	8th Grade or Less	1,914	174	1,738	*	262	1,640	7
	Some High School	8,513	824	7,688	*	1,008	7,474	18
Mother's education	High School / GED	22,221	1,836	20,369	16	2,212	19,935	41
	Some College	15,889	1,221	14,653	15	1,531	14,320	26
	Associate Degree	6,707	538	6,168	*	668	6,023	13
	Bachelor's Degree	14,835	1,012	13,817	6	1,198	13,590	40
	Postgraduate Education	7,212	582	6,628	*	687	6,504	20
	Unknown	590†	97	487	6	118	451	*
	Married	41,796	3,019	38,754	23	3,794	37,867	100
	Unmarried ^a	35,407	3,161	32,225	21	3,768	31,525	63
Weight gain	Unknown	680†	104	569	*	122	545	*
	Inadequate	16,848	2,011	14,815	22	2,081	14,704	31
	Adequate	23,524	1,875	21,639	10	2,237	21,227	40
	Excessive	36,466	2,242	34,216	8	3,168	33,191	92
Smoking during pregnancy	Unknown	1,040†	156	878	9	198	815	*
	Non-smoker	75,608	5,924	69,643	41	7,264	68,112	160
	Light smoker (less than 10 cigarettes per day)	960†	138	816	*	150	800	*
	Heavy smoker (10 or more cigarettes per day)	690†	116	571	0	136	547	*
	Unknown	630†	106	518	*	134	478	*

TABLE 1B-32 continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2023

		TOTAL	Weight at birth			Length of gestation				
			<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown	
Prenatal care	No care	1,841	332	1,501	8	494	1,295	20	32	
	1st trimester	55,608	4,234	51,365	9	5,235	50,304	67	*	
	2nd trimester	13,832	1,193	12,627	12	1,280	12,485	52	15	
	3rd trimester	4,635	263	4,369	*	301	4,316	17	*	
	Unknown	1,965	262	1,686	17	374	1,537	10	44	
Prenatal visits	No visits	1,841	332	1,501	8	494	1,295	20	32	
	1-4 visits	3,699	623	3,071	*	746	2,932	11	10	
	5-8 visits	12,997	1,781	11,207	9	2,252	10,712	27	6	
	9-12 visits	34,725	2,203	32,514	8	2,658	32,012	47	8	
	13+ visits	23,882	1,234	22,639	9	1,378	22,442	59	*	
Newborn intensive care	Unknown	740†	111	616	10	156	544	*	35	
	Yes	6,075	2,892	3,178	*	3,434	2,613	9	19	
Method of delivery	No	71,806	3,392	68,370	44	4,250	67,324	157	75	
	Vaginal	53,372	2,959	50,368	45	3,615	49,567	114	76	
	C-Section	22,595	3,244	19,349	*	3,967	18,570	46	12	
	Forceps	250†	13	237	0	21	228	*	0	
	Vacuum	1,660†	66	1,591	0	81	1,571	*	0	
	Unknown	10†	*	*	*	0	*	0	6	
	Total	40,883	2,413	38,469	1	2,681	38,097	91	14	
Obstetric procedures ^b	Induction of labor	25,027	1,721	23,305	*	1,579	23,379	65	*	
	Augmentation of labor	22,495	1,013	21,481	*	1,374	21,068	42	11	
	Cervical cerclage	159	57	102	0	67	92	0	0	
	Tocolysis	272	89	183	0	115	157	0	0	
	External cephalic version successful	90†	*	87	0	*	87	0	0	
	External cephalic version failed	198	14	184	0	15	183	0	0	
	Total	23,521	3,062	20,454	5	3,970	19,523	17	11	
	Births with medical risk factors ^b	Pre-existing diabetes	1,090	139	951	0	290	800	0	0
		Gestational diabetes	8,060†	675	7,380	*	1,057	6,999	*	*
		Pre-existing hypertension	1,640†	323	1,321	0	390	1,252	*	*
		Gestational hypertension	8,063	1,419	6,644	0	1,768	6,286	8	*
		Eclampsia	117	40	77	0	52	65	0	0
		Previous preterm birth	3,520†	766	2,750	0	1,129	2,383	*	*
Other previous poor pregnancy outcome		4,490†	603	3,890	0	666	3,824	*	*	
Gonorrhea		196	23	173	0	31	163	0	*	
Syphilis		460	71	389	0	75	382	0	*	
Chlamydia		1,870†	173	1,693	*	218	1,646	*	*	
Hepatitis B		90†	*	91	0	6	87	*	0	
Hepatitis C		190	23	167	0	36	153	0	*	

TABLE 1B-32 continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2023

	TOTAL	Weight at birth			Length of gestation					
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown		
Births with complications of labor and delivery ^b	Total	25,328	2,955	22,359	14	3,498	21,729	65	36	
	Premature rupture of the membranes	4,360†	837	3,518	*	1,215	3,136	*	*	
	Precipitous labor	5,849	484	5,355	10	560	5,259	7	23	
	Prolonged labor	2,147	148	1,999	0	187	1,944	16	0	
	Breech presentation	3,250†	975	2,272	*	1,122	2,124	*	*	
	Chorioamnionitis	1,790†	134	1,653	0	164	1,620	*	*	
	Meconium staining of the amniotic fluid	5,395	264	5,130	*	297	5,054	32	12	
	Fetal intolerance	8,490	1,004	7,486	0	1,011	7,454	22	*	
	Maternal transfusion	580†	131	446	0	156	418	*	*	
	Third or fourth degree perineal laceration	370†	6	363	0	8	360	*	0	
	Ruptured uterus	32	7	25	0	7	25	0	0	
	Unplanned Hysterectomy	47	12	35	0	22	25	0	0	
Abnormal conditions of the newborn ^b	Admission to intensive care unit	132	51	81	0	60	72	0	0	
	Unplanned surgery following delivery	201	41	159	*	47	154	0	0	
	Total	4,297	1,707	2,586	4	2,027	2,251	7	12	
	Assisted ventilation immediately after delivery	3,425	1,332	2,090	*	1,589	1,822	6	8	
	Assisted ventilation for more than 6 hours	2,090†	1,094	998	*	1,296	787	*	*	
	Surfactant replacement therapy	365	298	67	0	331	34	0	0	
	Suspected neonatal sepsis	1,630†	853	776	*	996	623	*	8	
	Seizure or serious neurologic dysfunction	29	6	23	0	9	20	0	0	
	Significant birth injury	100†	9	91	*	14	86	*	0	
	Total	320†	98	222	1	99	219	1	2	
	Congenital anomalies of the newborn ^b	Anencephalus	0†	*	0	0	*	*	0	0
		Spina bifida / Meningocele	20†	*	11	0	*	10	0	0
Cyanotic congenital heart disease		68	18	50	0	19	49	0	0	
Congenital diaphragmatic hernia		10†	6	*	*	*	9	0	0	
Omphalocele / Gastroschisis		20	10	10	0	13	7	0	0	
Limb reduction defect		10†	*	9	0	*	8	0	0	
Cleft lip / palate		60†	13	45	0	14	43	*	0	
Down syndrome		47	10	37	0	12	35	0	0	
Suspected chromosomal disorder		47	18	29	0	15	32	0	0	
Hypospadias		10†	*	8	0	*	9	0	0	
Unknown congenital anomalies		49	17	32	0	19	28	0	*	

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^b Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-33
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2023**

	TOTAL	Mother's age group										Un- known
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+		
TOTAL	77,881	27	851	2,595	14,878	23,138	22,326	11,373	2,527	164	2	
Mother's race/ethnicity	White non-Hispanic	32,040†	*	127	587	4,640	9,521	10,381	5,513	1,171	90	*
	Hispanic or Latino	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51	0
	Black or African American	4,780†	*	62	167	925	1,372	1,313	744	183	8	0
	American Indian or Alaska Native	3,900†	*	99	212	941	1,017	1,003	530	95	*	0
	Asian or Pacific Islander	3,260†	0	7	26	219	683	1,295	820	197	11	0
	AHCCCS	36,160	21	708	2,094	9,818	10,780	7,994	3,811	886	47	*
Payer for birth	IHS	630†	0	15	39	159	165	163	71	17	*	0
	Private insurance	33,760†	*	65	307	3,676	9,875	11,950	6,456	1,328	99	0
	Self-pay	4,540†	0	46	94	694	1,415	1,436	661	181	10	*
	Unknown	2,800†	*	17	61	531	903	783	374	115	7	0
	8th Grade or Less	1,914	15	91	106	391	403	422	325	151	10	0
Mother's education	Some High School	8,513	12	672	1,060	2,561	1,918	1,318	768	193	11	0
	High School / GED	22,220†	0	82	1,175	6,875	7,180	4,541	1,929	416	23	0
	Some College	15,890†	0	*	208	3,234	5,337	4,624	2,042	412	31	0
	Associate Degree	6,710†	0	0	30	848	2,254	2,193	1,109	259	14	0
	Bachelor's Degree	14,840†	0	*	*	833	4,603	5,894	2,910	556	37	0
	Postgraduate Education	7,210†	0	0	0	61	1,302	3,159	2,170	489	31	0
	Unknown	590†	0	*	15	75	141	175	120	51	7	*
	Married	41,800†	0	13	198	4,111	12,723	15,051	7,873	1,708	119	0
Marital status	Unmarried ^a	35,407	27	837	2,393	10,708	10,234	7,067	3,336	766	38	*
	Unknown	680†	0	*	*	59	181	208	164	53	7	*
Weight gain	Inadequate	16,848	11	234	579	3,204	4,906	4,736	2,562	569	46	*
	Adequate	23,520†	*	244	733	4,155	6,937	7,067	3,517	812	55	0
	Excessive	36,466	12	346	1,249	7,293	10,981	10,271	5,141	1,112	61	0
Smoking during pregnancy	Unknown	1,040†	0	27	34	226	314	252	153	34	*	*
	Non-smoker	75,608	26	836	2,548	14,509	22,514	21,639	10,952	2,423	160	*
	Light smoker (less than 10 cigarettes per day)	960†	0	7	24	141	281	298	166	40	*	0
	Heavy smoker (10 or more cigarettes per day)	690†	*	*	*	85	179	237	147	33	*	0
	Unknown	630†	0	7	21	143	164	152	108	31	*	*
Length of gestation	<37 weeks	7,680†	*	100	252	1,309	2,001	2,231	1,355	393	38	*
	37-41 weeks	69,937	23	747	2,334	13,529	21,045	20,036	9,975	2,122	126	0
	42+ weeks	170†	0	*	*	27	58	40	27	9	0	0
	Unknown	90†	0	*	6	13	34	19	16	*	0	*
Weight at birth	<1,000 grams	480†	0	12	23	75	122	139	82	21	*	0
	1,000-1,499	510†	*	6	17	86	129	156	80	29	*	0
	1,500-2,499	5,300†	*	67	205	968	1,397	1,474	903	256	28	0
	2,500-3,999	65,867	25	741	2,237	12,812	19,767	18,709	9,418	2,032	124	*
	4,000+ grams	5,680†	0	25	111	927	1,706	1,836	884	187	*	0
	Unknown	50†	0	0	*	10	17	12	6	*	0	0

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2023

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un- known
Prenatal care	No care	1,840†	*	42	104	418	515	443	243	65	*	*
	1st trimester	55,608	10	396	1,521	9,900	16,784	16,712	8,437	1,733	115	0
	2nd trimester	13,830†	*	244	644	3,041	3,942	3,543	1,857	521	35	0
	3rd trimester	4,635	8	129	236	1,112	1,291	1,113	591	149	6	0
	Unknown	1,970†	0	40	90	407	606	515	245	59	*	0
Prenatal visits	No visits	1,840†	*	42	104	418	515	443	243	65	*	*
	1-4 visits	3,700†	*	91	202	886	1,055	904	438	114	6	0
	5-8 visits	12,997	6	232	592	2,859	3,756	3,393	1,746	391	22	0
	9-12 visits	34,725	7	331	1,077	6,540	10,315	10,267	5,051	1,064	73	0
	13+ visits	23,882	7	141	592	4,015	7,257	7,116	3,825	871	58	0
Newborn intensive care	Unknown	740†	0	14	28	160	240	203	70	22	0	0
	Yes	6,080†	*	61	204	1,042	1,600	1,751	1,071	304	39	*
Method of delivery	No	71,806	25	790	2,391	13,836	21,538	20,575	10,302	2,223	125	*
	Vaginal	53,372	21	695	2,057	11,140	16,513	14,724	6,839	1,319	63	*
	C-Section	22,600†	*	114	445	3,303	6,067	7,095	4,315	1,152	98	*
	Forceps	250†	0	*	7	42	70	75	39	14	0	0
	Vacuum	1,660†	*	39	86	393	485	431	179	40	*	0
Obstetric procedures ^b	Unknown	10†	0	0	0	*	*	*	*	*	0	0
	Total	40,883	10	526	1,631	8,680	12,448	10,915	5,411	1,197	65	0
	Induction of labor	25,027	6	268	853	5,012	7,551	6,695	3,692	900	50	0
	Augmentation of labor	22,495	6	330	1,012	5,016	6,901	6,011	2,671	518	30	0
	Cervical cerclage	160†	0	*	0	21	43	47	34	11	*	0
	Tocolysis	270†	0	*	19	50	84	76	32	7	0	0
	External cephalic version successful	90†	0	0	*	*	26	30	22	8	0	0
	External cephalic version failed	200†	0	*	*	39	45	53	46	9	0	0
	Total	23,520†	4	201	619	4,026	6,397	6,921	4,173	1,094	85	1
	Pre-existing diabetes	1,090†	0	*	6	119	232	331	294	102	*	0
Births with medical risk factors ^b	Gestational diabetes	8,060†	0	22	104	888	2,084	2,678	1,768	480	35	0
	Pre-existing hypertension	1,640†	0	*	17	197	369	513	398	137	9	0
	Gestational hypertension	8,060†	*	86	284	1,588	2,311	2,197	1,233	333	28	0
	Eclampsia	120†	0	*	*	19	35	30	25	*	*	0
	Previous preterm birth	3,520†	0	*	29	407	962	1,144	742	208	19	0
	Other previous poor pregnancy outcome	4,490†	0	8	53	621	1,285	1,441	842	226	17	0
	Gonorrhea	200†	*	13	15	70	41	38	15	*	0	*
	Syphilis	460†	0	10	20	122	112	128	58	9	0	*
	Chlamydia	1,870†	*	86	200	826	446	214	84	8	*	0
	Hepatitis B	90†	0	0	0	13	29	22	25	*	*	0
Hepatitis C	190†	0	*	*	14	50	80	33	7	0	*	

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2023

		TOTAL	Mother's age group										Un- known
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+		
Births with complications of labor and delivery ^b	Total	25,328	9	278	877	4,853	7,487	7,197	3,742	825	59	1	
	Premature rupture of the membranes	4,360†	*	61	177	1,023	1,267	1,140	554	125	9	0	
	Precipitous labor	5,850†	*	48	122	828	1,712	1,896	1,049	183	7	*	
	Prolonged labor	2,150†	0	21	90	485	661	578	267	42	*	0	
	Breech presentation	3,250†	*	30	73	435	853	1,007	662	164	23	0	
	Chorioamnionitis	1,790†	0	18	113	492	569	387	163	44	*	0	
	Meconium staining of the amniotic fluid	5,400†	*	60	211	1,174	1,697	1,452	657	140	*	0	
	Fetal intolerance	8,490†	*	100	355	1,856	2,532	2,233	1,096	286	29	0	
	Maternal transfusion	580†	0	11	30	116	151	151	89	26	*	0	
	Third or fourth degree perineal laceration	370†	0	11	18	70	114	108	41	7	0	0	
	Ruptured uterus	30†	0	0	0	*	10	15	*	*	0	0	
	Unplanned Hysterectomy	50†	0	0	0	*	*	22	10	7	*	0	
	Admission to intensive care unit	130†	0	0	*	19	34	39	29	7	*	0	
	Unplanned surgery following delivery	200†	0	*	*	33	43	61	43	15	*	0	
	Total	4,300†	2	45	146	807	1,154	1,212	701	209	21	0	
	Assisted ventilation immediately after delivery	3,430†	*	29	108	617	917	981	575	178	19	0	
	Assisted ventilation for more than 6 hours	2,090†	0	20	62	364	555	614	361	105	12	0	
	Surfactant replacement therapy	370†	0	6	12	63	97	104	63	19	*	0	
	Suspected neonatal sepsis	1,630†	*	26	71	343	412	450	247	77	*	0	
	Seizure or serious neurologic dysfunction	30†	0	0	*	7	8	6	*	*	0	0	
Congenital anomalies of the newborn ^b	Significant birth injury	100†	0	*	*	18	31	29	15	*	0	0	
	Total	320†	0	4	12	62	85	70	53	31	4	0	
	Anencephalus	0†	0	*	0	*	0	0	*	0	0	0	
	Spina bifida / Meningocele	20†	0	0	0	*	*	*	*	0	0	0	
	Cyanotic congenital heart disease	70†	0	*	*	12	22	21	*	*	0	0	
	Congenital diaphragmatic hernia	10†	0	*	*	*	*	*	*	0	0	0	
	Omphalocele / Gastroschisis	20†	0	*	*	*	6	*	*	0	0	0	
	Limb reduction defect	10†	0	*	0	*	*	*	*	0	0	0	
	Cleft lip / palate	60†	0	0	*	11	16	14	11	*	0	0	
	Down syndrome	50†	0	0	0	*	*	*	15	15	*	0	
	Suspected chromosomal disorder	50†	0	0	*	11	8	10	12	*	*	0	
	Hypospadias	10†	0	0	0	*	*	*	*	*	0	0	
	Unknown congenital anomalies	50†	0	0	*	6	21	9	*	*	0	0	

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^b Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-34
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY MOTHER'S RACE/ETHNICITY AND
CHILD'S GENDER, ARIZONA, 2023**

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	321	176	145	125	67	58	141	74	67	15	6	9	29	22	7	11	7	4
Anencephalus	0†	*	*	0	0	0	0†	*	*	0	0	0	0	0	0	0	0	0
Spina bifida / Meningocele	15	7	8	10†	*	*	10†	*	*	0	0	0	0†	0	*	0	0	0
Cyanotic congenital heart disease	68	35	33	26	11	15	25	13	12	10†	*	*	10†	*	*	10†	*	0
Congenital diaphragmatic hernia	10†	*	7	0†	*	*	10†	*	6	0†	*	0	0	0	0	0	0	0
Omphalocele / Gastroschisis	20	14	6	10†	*	*	10†	7	*	0†	*	0	0†	*	*	0	0	0
Limb reduction defect	12	6	6	0†	*	*	10†	*	*	0†	0	*	0†	*	0	0	0	0
Cleft lip / palate	58	32	26	23	11	12	25	16	9	0†	0	*	10†	*	*	0†	*	*
Down syndrome	47	27	20	20	11	9	21	12	9	0†	*	0	0†	*	*	0†	0	*
Suspected chromosomal disorder	47	22	25	19	10	9	21	9	12	0†	0	*	0†	*	0	0†	0	*
Hypospadias	12	12	0	7	7	0	0†	*	0	0	0	0	0†	*	0	0	0	0
Unknown congenital anomalies	49	29	20	18	12	6	22	10	12	0†	*	0	10†	*	*	0†	*	*
Ratio per 100 births^a	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.4	0.7	1.1	0.4	0.3	0.4	0.2

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a For denominators see Table 5B-8.



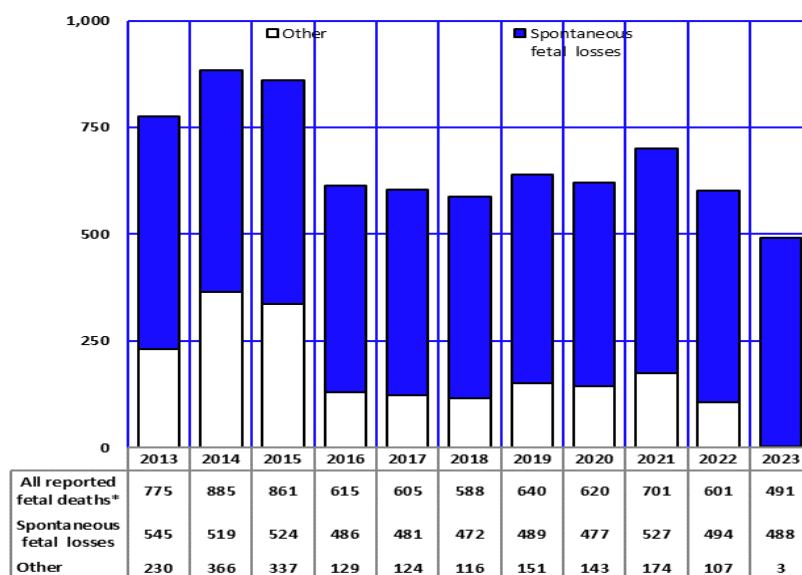
1C.

FETAL, PERINATAL, AND MATERNAL DEATHS

In Arizona, reportable fetal deaths are those after 20 completed weeks of gestation or if the fetus weighs more than 350 grams (*ARS 36-329; Arizona Administrative Code, R9-19-302*). In addition to spontaneous stillbirths, any induced termination of pregnancy at 20 or more weeks of gestation (or, if the gestation period is unknown, when the weight of the product of human conception is more than 350 grams) also requires the filing of a fetal death certificate.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

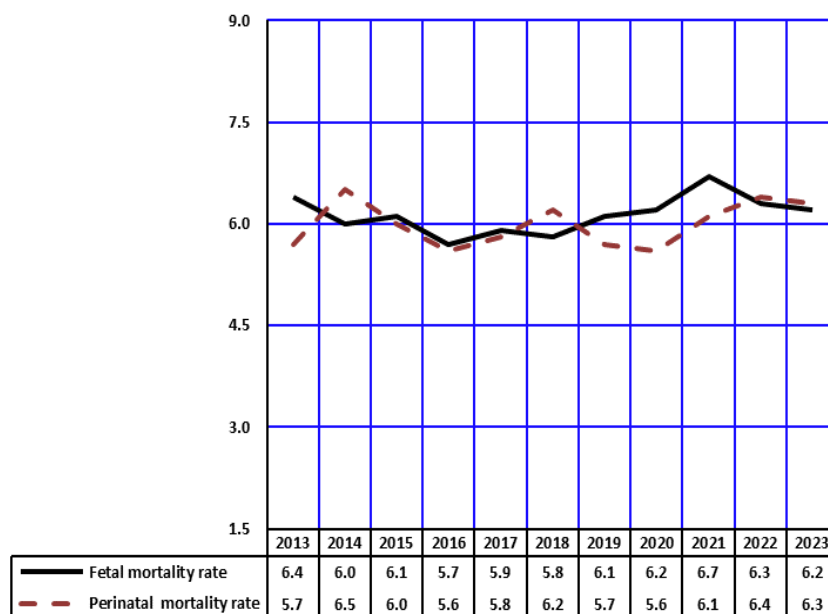
Figure 1C-1
Trends in Fetal Deaths, Arizona, 2013-2023



The number of all reported fetal deaths in Arizona (including late term abortions) in 2023 was 491, an 18.3 percent decrease from 2022 (**Figure 1C-1, Table 1C-3**). The annual number of reportable spontaneous fetal losses decreased 1.2 percent from 494 in 2022 to 488 in 2023. (**Figure 1C-1, Table 1C-3**).

Note: All reported includes spontaneous and induced termination of pregnancy at 20 or more weeks of gestation or 350 grams or more and some stillbirths prior to 20 weeks and of any weight.

Figure 1C-2
Fetal^a and Perinatal^b Mortality Rates, Arizona, 2013-2023



The fetal mortality rate decreased slightly from a rate of 6.3 deaths at 20 or more weeks of gestation per 1,000 live births in 2022 to a rate of 6.2 deaths in 2023.

Perinatal mortality refers here to death of a fetus of at least 28 weeks gestational age, or of an infant less than 7 days old. The perinatal mortality rate of 6.3 in 2023 was the third highest since 2013 after 6.5 in 2014 and 6.4 in 2022 (**Figure 1C-2, Table 1C-3**).

Early infant deaths accounted for 236 or 48.0 percent of the 492 perinatal deaths in 2023 (**Figure 1C-2, Table 1C-3**).

Notes: ^aRate is the number of events per 1,000 live births and fetal deaths. ^b Infant deaths of less than 7 days and fetal deaths with gestation of 28 weeks or more, per 1,000 live births and fetal deaths.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

Figure 1C-3
Percent of Death from Maternal Causes by Mother's Age Group, Arizona, 2013-2023

In 2023, 25 women giving birth were reported to have died from maternal causes (**Table 1C-1**). This represents a 3.8 percent decrease from the number of maternal deaths recorded in 2022. The number of maternal deaths does not include all deaths occurring to pregnant women, but only those deaths assigned to causes related to or aggravated by pregnancy or pregnancy management.

Based on the total number of 278 maternal deaths from 2013 to 2023, women age 35 and older had the highest proportional contribution to maternal mortality followed by women age 25 - 34, and women age 24 and younger (**Figure 1C-3**).

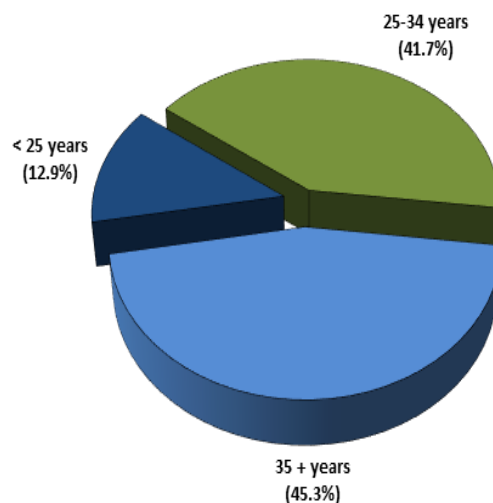
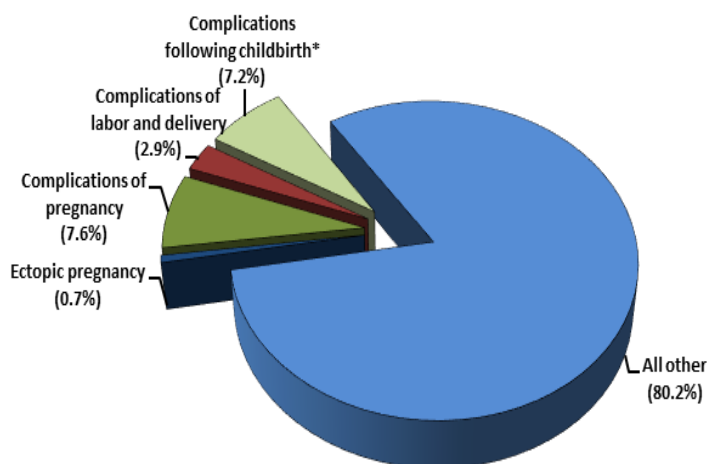


Figure 1C-4
Causes of Maternal Mortality^a, Arizona, 2013-2023

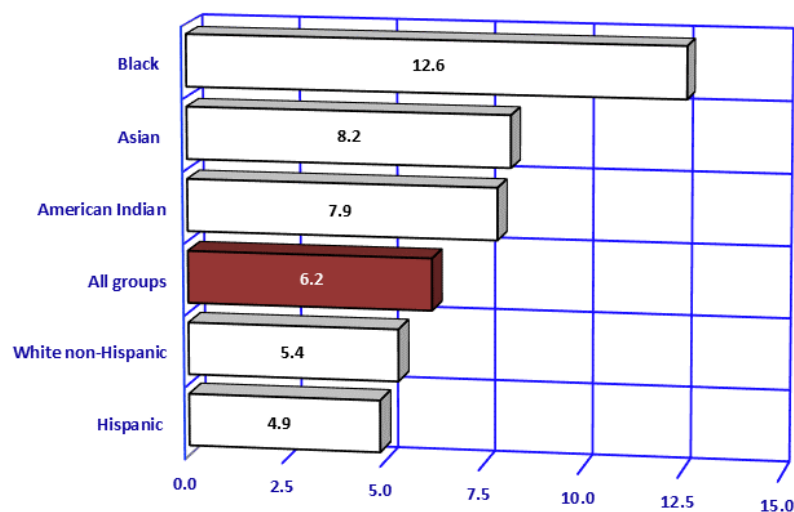
In the eleven-year period from 2013 to 2023, the major causes of maternal deaths in the state have included complications following childbirth (i.e. complications of the puerperium), complications mainly related to pregnancy, complications occurring in the course of labor and delivery, and ectopic pregnancy. All other possible causes of maternal death accounted for 80.2 percent of the maternal deaths from 2013 to 2023 (**Figure 1C-4, Table 1C-2**).



Notes: ^a Based on the total number of maternal deaths from 2011 to 2021; * Complications of the puerperium.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

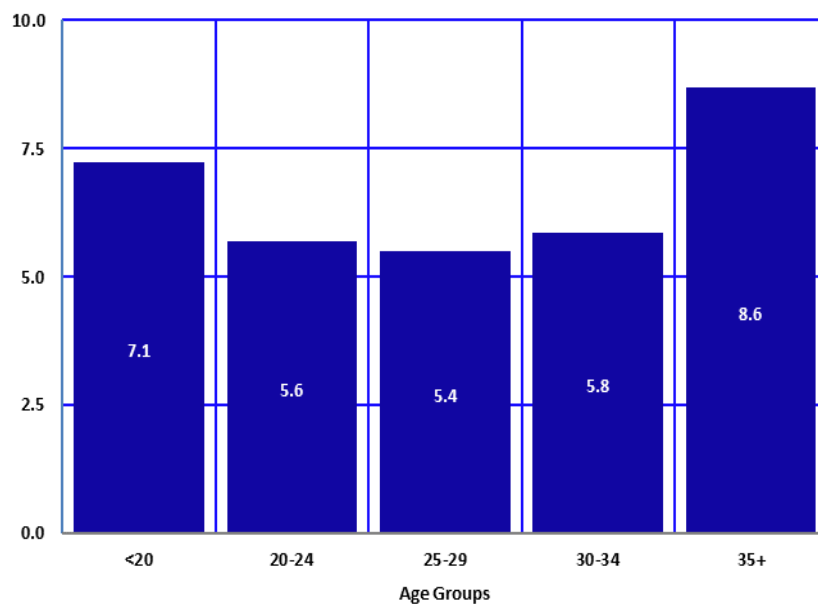
Figure 1C-5
Fetal Mortality Rates by Race/Ethnicity, Arizona, 2023



Fetal mortality rates vary by the race/ethnicity of the mother (**Figure 1C-5**). The fetal mortality rate for Black or African American women was 12.6 per 1,000 live births plus fetal deaths, the highest rate among the racial/ethnic groups. The fetal mortality rate was also higher than the state average for Asian or Pacific Islander women (8.2) and American Indian and Alaska Natives (7.9) while the rates of White non-Hispanic women (5.4) and Hispanic or Latino (4.9), were below the state average.

Note: ^a Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

Figure 1C-6
Fetal Mortality Rates by Mother's Age Group, Arizona, 2023



Fetal mortality rates vary by maternal age (**Figure 1C-6**). In 2023 fetal mortality rates were lowest for women aged 25-29 years and highest for women aged 35+ years. The fetal mortality rate for mothers aged 35 and older decreased slightly from 8.8 in 2022 to 8.6 in 2023.

Note: ^a Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

TABLE 1C-1
MATERNAL DEATHS^a BY AGE GROUP AND YEAR, ARIZONA, 2013-2023

Year	Total maternal deaths ^b	Under <15	15-19	20-24	25-29	30-34	35-39	40-44	45+
2013	10†	0	0	*	*	*	*	0	*
2014	10†	0	*	0	*	0	*	*	*
2015	10†	0	0	0	*	0	*	*	0
2016	30†	0	*	*	*	7	*	*	0
2017	20†	0	*	*	*	*	9	*	0
2018	30†	0	0	*	*	9	6	*	9
2019	40†	0	0	*	6	10	11	*	9
2020	40†	0	*	*	9	12	8	*	0
2021	40†	0	0	*	9	10	12	*	0
2022	30†	0	*	*	7	6	*	*	0
2023	30†	0	*	6	7	*	6	*	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Maternal deaths are those assigned to complications of pregnancy, childbirth, and puerperium, category codes O00-O99 of the Tenth Revision of the *International Classification of Diseases*; ^b May include cases with unknown age.

TABLE 1C-2
MATERNAL DEATHS BY CAUSE AND YEAR, ARIZONA, 2013-2023

Cause of death (ICD-9/ICD-10 codes)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PREGNANCY WITH ABORTIVE OUTCOME (O00-O07)	*	*	0	*	0	0	0	0	*	*	*
Ectopic pregnancy (O00)	0	*	0	0	0	0	0	0	*	0	0
COMPLICATIONS MAINLY RELATED TO PREGNANCY (O10-O16)	*	*	*	*	6	*	0	*	*	0	*
COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (O60-O75)	*	0	*	0	0	*	0	*	*	0	*
COMPLICATIONS OF THE PUERPERIUM^a (O85-O92)	0	0	*	*	6	*	*	*	0	*	*
ALL OTHER	*	7	*	20	11	30	40	35	33	22	18
TOTAL	10†	10†	10†	30†	23	30†	40†	40†	40†	30†	30†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Complications following childbirth are category codes from Tenth Revision of the *International Classification of Diseases*.

**TABLE 1C-3
FETAL AND PERINATAL DEATHS AND RATES BY YEAR, ARIZONA, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
NUMBER OF ALL REPORTED FETAL DEATHS Includes spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age unknown, the deaths of fetuses of at least 350 grams or more) and some stillbirths prior to 20 weeks and of any weight. Excludes fetal deaths occurring in Arizona to out-of-State residents.	775	885	861	615	605	588	640	620	701	601	491
NUMBER OF REPORTABLE FETAL DEATHS Includes spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight).	554	653	665	613	602	583	638	617	698	595	489
NUMBER OF REPORTABLE SPONTANEOUS FETAL LOSSES Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight). Excludes induced terminations of pregnancy.	545	519	524	486	481	472	489	477	527	494	488
RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES^a	6.4	6.0	6.1	5.7	5.9	5.8	6.1	6.2	6.7	6.3	6.2
NUMBER OF PERINATAL DEATHS	483	551	510	475	472	501	453	434	480	501	492
Spontaneous fetal losses of 28 or more weeks of gestation	262	265	275	236	238	247	247	223	242	240	256
Infant deaths of less than 7 days	221	286	235	239	234	254	206	211	238	261	236
PERINATAL DEATH RATE^b	5.7	6.5	6.0	5.6	5.8	6.2	5.7	5.6	6.1	6.4	6.3

Notes: ^a Per 1,000 live births + reportable spontaneous fetal losses of 20 or more weeks of gestation; ^b Per 1,000 live births + spontaneous fetal losses of 28 or more weeks of gestation.

**TABLE 1C-4
SELECTED CHARACTERISTICS OF REPORTABLE SPONTANEOUS^a FETAL LOSSES BY YEAR, ARIZONA, 2013-2023**

Characteristic	Year										
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total reportable spontaneous fetal losses	545	519	524	486	481	472	489	477	527	494	488
Gender											
Male	260	293	296	248	226	222	271	236	254	267	244
Female	256	222	225	227	234	246	215	219	223	221	236
Unknown	29	*	*	11	21	*	*	22	50	6	8
Mother's race/ethnicity											
White non-Hispanic	247	205	200	204	207	205	187	186	214	205	173
Hispanic or Latino	205	182	227	195	171	174	196	177	202	186	167
Black or African American	40	48	50	47	47	42	58	50	64	52	61
American Indian or Alaska Native	40	47	40	36	40	36	37	41	26	33	31
Asian or Pacific Islander	13	17	7	*	16	15	11	23	21	18	27
Refused/Unknown	0	20	0	0	0	0	0	0	0	0	29
Mother's age group											
<15	0	0	0	0	0	0	0	*	*	0	*
15-17	18	25	18	10	7	8	7	10	*	9	*
18-19	34	27	30	27	25	16	26	16	27	25	20
20-24	115	120	101	94	104	85	89	107	108	91	84
25-29	159	131	135	123	118	138	132	123	142	124	126
30-34	123	117	122	121	125	125	133	116	135	123	130
35-39	79	67	83	71	75	75	76	86	81	89	83
40-44	13	30	27	36	18	22	24	14	26	29	36
45+	*	0	*	*	*	*	0	*	*	*	*
Unknown	*	*	*	*	6	0	*	0	*	*	*
Gestational age^b											
20-27 weeks	282	250	248	239	241	223	242	254	283	248	232
28+ weeks	262	265	275	236	238	247	247	223	242	240	256
Unknown	*	*	*	11	*	*	0	0	*	6	0
Weight in grams											
<350 grams	108	99	117	97	99	93	120	103	113	109	107
350-499	73	74	75	77	75	60	61	73	90	66	65
500-2,499	229	236	216	217	199	216	202	210	240	232	234
2,500-3,999	103	85	85	77	81	91	95	71	69	74	72
4,000+	6	9	9	6	14	8	7	12	11	6	8
Unknown	26	16	22	12	13	*	*	8	*	7	*

Notes: * Cell suppressed due to non-zero count less than 6; ^a Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; ^b For statistical purposes, fetal deaths are classified according to gestational age; a death that occurs at 20 or more weeks of gestation constitutes a fetal death, and after 28 weeks it is considered a late fetal death.



1D.

ABORTIONS

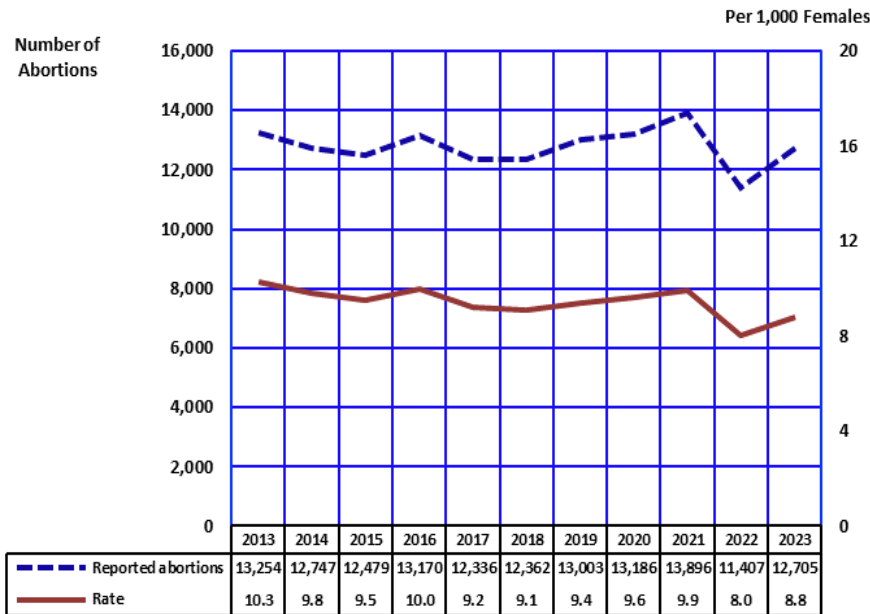
The Arizona Department of Health Services was authorized by Arizona Revised Statute §36-2161 to require healthcare facilities, providers, and physicians to submit abortion procedure reports to the department in order to develop statewide annual abortion statistics and demographic characteristics of women obtaining abortions in Arizona as required by the Arizona Revised Statute § 36-2163.

In 2010, SB1304 was passed by the legislature that statutorily required the reporting of abortions and treatment of complications associated with abortions. In addition, the Administrative Office of the Courts was required to report the number of petitions received by the court for authorization to perform abortions on unemancipated minors as prescribed in Arizona Revised Statutes §36-2152. The collection of this information began on July 29, 2010.

Based on the information collected on race/ethnicity in the abortion reporting system, the racial/ethnic groups described in this section differ from that of other sections. In 2023, 3.4 percent (436) of abortion records had race and ethnicity identified as unknown, and 2.0 percent (251) of abortion records had two or more racial/ethnic groups identified. Due to the proportion of information on race/ethnicity that could not be categorized by the five racial/ethnic groups used through this report, this section reports numbers for records with unknown or multiple race information as separate groups.

1D. ABORTIONS

Figure 1D-1
Number of Reported Abortions and Abortion Rates^a by Year,
Arizona Residents, 2013-2023



During calendar year 2023, the Arizona Department of Health Services received a total of 12,705 reports of abortions obtained by Arizona residents, 1,298 more than the 11,407 reported in 2022 (**Figure 1-D1, Table 1D-1**).

There were 12,682 abortions in non-hospital clinics (**Table 1D-1**). Hospitals accounted for 22 abortion procedures, with 1 procedure being performed outside of clinics or hospitals.

Ninety-six percent of all reported abortions occurred at or before 13 weeks of pregnancy. Few (3.7%) reported abortions occurred after 14 or more weeks of gestation (**Table 1D-3**).

Notes: ^a Number of abortions per 1,000 females 15-44 years old. The sharp increase in number of reported abortions and rates was due to enhanced surveillance as noted in the abortion report.

Figure 1D-2
Trends in the Number of Surgical and Non-Surgical Abortions by Year,
Arizona Residents, 2013-2023

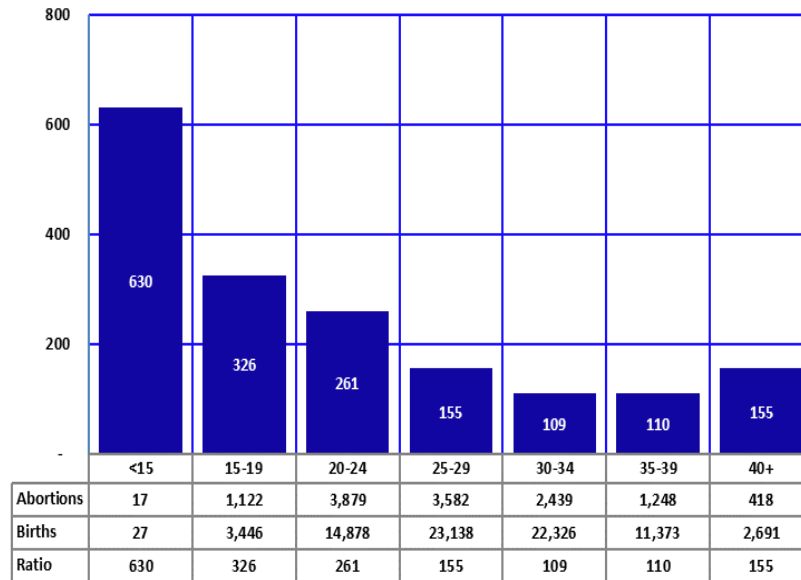


The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 increased from 8.0 in 2022 to 8.8 in 2023 (**Figure 1D-1**).

Trends in the percent of abortions conducted through surgical and non-surgical from 2013 to 2023 indicate shifting practices in methods used to complete abortions. In 2013, 71.9 percent of all abortion procedures were surgical procedures. Since then, the proportion of abortions conducted through surgical means has decreased, with 47.5 percent of all abortion procedures conducted in 2023 being surgical procedures.

1D. ABORTIONS

Figure 1D-3
Abortion Ratios^a by Age Group, Arizona Residents, 2023

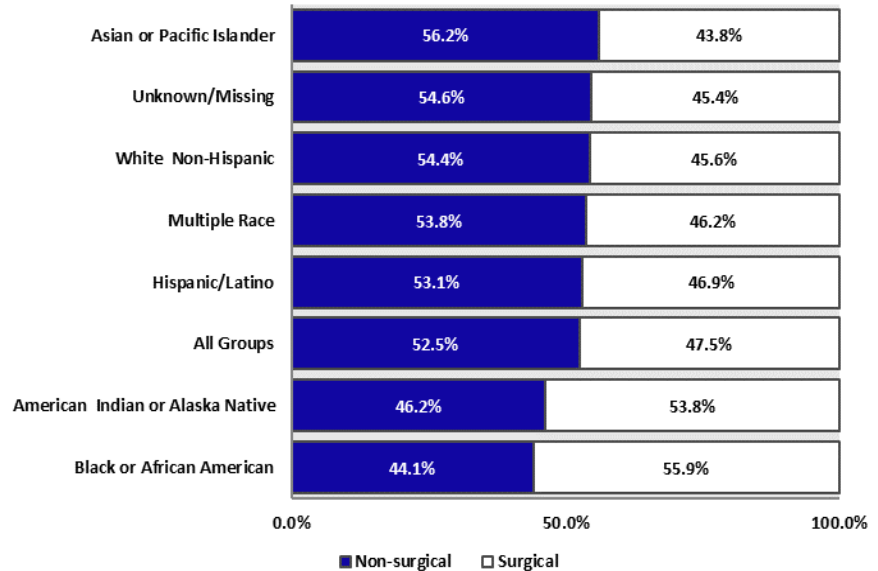


Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age at reported termination of pregnancy. Ratios were higher at the lower end of the age distribution of the childbearing period, i.e., among women under age <15, 15-19, and 20-24 years of age (**Figure-1D-3**).

A comparison of abortion ratios by race/ethnicity is provided in **Table 1D-2**.

Note: ^a Number of reported abortions per 1,000 live births in specified group.

Figure 1D-4
Proportional Contribution of Non-Surgical^a and Surgical Abortions by Race/Ethnicity, Arizona Residents, 2023



In 2023, non-surgical (also called "medical") abortions made up 52.5 percent of all procedures reported in Arizona. The proportion of non-surgical abortion was the highest among Asian or Pacific Islander, and exceeded the average for all groups (**Figure 1D-4**). The proportion of surgical abortions was highest among Black or African American women than women of other racial/ethnic groups.

Notes: ^a Non-surgical: Mifepristone, Methotrexate, Cytotec, etc.; Reporting changes related to race/ethnicity makes comparisons with previous years difficult.

**TABLE 1D-1
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2013-2023**

Characteristics	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ABORTIONS PERFORMED IN ARIZONA	13,401	12,900	12,655	13,332	12,533	12,438	13,097	13,273	13,998	11,530	12,888
RESIDENT ABORTIONS	13,254	12,747	12,479	13,170	12,336	12,362	13,003	13,186	13,896	11,407	12,705
RACE/ETHNICITY											
White non-Hispanic	2,515	5,562	5,378	5,321	4,762	4,807	4,798	4,684	4,645	3,761	3,834
Hispanic or Latino	4,189	4,499	4,350	4,823	4,639	4,679	5,093	5,349	6,080	5,103	6,011
Black or African American	189	981	1,074	1,253	1,196	1,229	1,372	1,594	1,662	1,314	1,428
American Indian	61	291	331	340	348	315	344	372	399	276	316
Asian or other Pacific Islander	110	534	532	608	598	552	612	550	530	413	429
Multiple race ^a	4,257	361	175	244	216	259	290	323	317	254	251
Refused/Unknown	1,933	519	639	581	577	521	494	314	263	286	436
AGE											
19 years and under	1,441	1,249	1,189	1,297	1,179	1,146	1,169	1,218	1,299	1,092	1,139
20-29 years	7,676	7,520	7,265	7,680	7,245	7,212	7,520	7,644	8,067	6,682	7,461
30 years and over	4,136	3,978	4,021	4,186	3,912	4,004	4,314	4,324	4,530	3,633	4,105
Not stated	*	0	*	7	0	0	0	0	0	0	0
YEARS OF EDUCATION											
Elementary/secondary (1-12)	2,400	1,372	2,561	3,234	3,228	3,457	3,971	3,820	4,659	3,563	4,683
College (1-4 or 5+)	2,522	2,706	3,203	3,801	3,365	2,966	3,355	3,045	3,864	2,896	3,723
None, not stated, or unknown	8,332	8,064	6,715	6,135	5,743	5,939	5,677	6,321	5,373	4,948	4,299
WEEKS OF GESTATION											
12 weeks or under	11,742	11,232	11,062	11,762	10,917	10,924	11,510	11,708	12,066	10,238	11,899
13 weeks or over	1,487	1,507	1,411	1,396	1,419	1,438	1,493	1,478	1,830	1,058	805
Not stated or unknown	25	8	6	12	0	0	0	0	0	111	*
FACILITY											
Clinic	13,023	12,671	12,065	13,139	12,301	12,308	12,957	13,140	13,838	11,373	12,682
Hospital	152	70	24	27	31	51	41	41	58	29	22
Other	79	6	390	*	*	*	*	*	0	*	*

TABLE 1D-1 (continued)
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2013-2023

Characteristics	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PREVIOUS LIVE BIRTHS											
None	5,810	5,201	5,267	5,586	5,326	5,430	5,656	5,705	6,159	5,351	5,775
One or more	7,387	7,337	7,187	7,542	6,972	6,856	7,212	7,365	7,596	5,874	6,622
PREVIOUS ABORTIONS											
None	8,450	7,872	7,843	8,177	7,900	7,893	8,406	8,503	9,148	7,410	8,037
One or more	4,672	4,616	4,549	4,913	4,365	4,346	4,424	4,533	4,553	3,775	4,201
PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY											
None	10,825	10,241	10,146	10,462	9,930	9,932	10,460	10,532	10,976	9,012	9,840
One or more	2,283	2,213	2,220	2,613	2,307	2,302	2,324	2,456	2,613	2,062	2,236
NONSURGICAL ABORTIONS											
	3,731	3,550	3,996	4,412	4,529	4,973	5,156	6,624	6,715	5,791	6,671
ABORTION RATIO^b											
	156.0	147.1	146.8	156.0	151.1	153.5	164.2	171.7	178.5	145.6	163.1
ABORTION RATE^c											
	10.3	9.8	9.5	10.0	9.2	9.1	9.4	9.6	9.9	8.0	8.8

Notes: * Cell suppressed due to count less than 6; ^a Multiple race data was not available for previous years (2007-2010); ^b Number of abortions per 1,000 women giving birth; ^c Number of abortions per 1,000 women of childbearing age (15 - 44 years old); ^d Outpatient Surgical Centers in 2010.

**TABLE 1D-2
PROPORTION, RATES, AND RATIOS^a OF ABORTIONS BY RACE/ETHNICITY PER YEAR, ARIZONA, 2013-2023**

Race and Ethnicity		Year										
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Percent of Abortions ^b												
White non-Hispanic		19.0	43.6	43.1	40.4	38.6	38.9	36.9	35.5	33.4	33.0	30.2
Hispanic or Latino		31.6	35.3	34.9	36.6	37.6	37.8	39.2	40.6	43.8	44.7	47.3
Black or African American		1.4	7.7	8.6	9.5	9.7	9.9	10.6	12.1	12.0	11.5	11.2
American Indian or Alaska Native		0.5	2.3	2.7	2.6	2.8	2.5	2.6	2.8	2.9	2.4	2.5
Asian or Pacific Islander		0.8	4.2	4.3	4.6	4.8	4.5	4.7	4.2	3.8	3.6	3.4
Multiple races		32.1	2.8	1.4	1.9	1.8	2.1	2.2	2.5	2.3	2.2	2.0
Refused/Unknown		14.6	4.1	5.1	4.4	4.7	4.2	3.8	2.4	1.9	2.5	3.4
Abortion Rates ^c												
White non-Hispanic		3.8	8.6	8.3	8.3	7.4	7.5	7.4	7.3	7.1	5.7	5.7
Hispanic or Latino		9.3	10.6	9.1	9.9	9.3	9.2	9.7	10.2	11.4	9.4	10.9
Black or African American		3.2	12.8	16.3	18.4	17.0	16.8	18.0	20.2	20.3	15.8	16.9
American Indian or Alaska Native		0.9	3.4	5.1	5.2	5.2	4.7	5.1	5.7	6.0	4.1	4.7
Asian or Pacific Islander		2.3	8.5	9.2	10.1	9.9	8.8	9.1	8.1	7.7	5.9	6.0
Multiple races		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Refused/Unknown		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Abortion Ratio ^d												
White non-Hispanic		66	139	141	141	133	138	141	142	137	115	120
Hispanic or Latino		127	133	127	142	140	142	156	168	188	152	177
Black or African American		40	217	246	286	260	264	282	334	347	271	299
American Indian or Alaska Native		11	57	66	68	72	67	77	91	102	69	81
Asian or Pacific Islander		32	169	164	181	180	169	194	185	176	132	132
Multiple races		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Refused/Unknown		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: ^a Number of resident abortions performed in Arizona per 1,000 resident live births in specified race/ethnicity group; ^b Proportion of total abortions by ethnicity and/or race represented as a percentage. Percentages are calculated using the total number of reported abortions as the denominator and the number of reported abortions for a specific ethnicity and/or race as the numerator. Percents do not add up to a 100 due to rounding errors, multiple race and unknown ethnicity/race categories; ^c Calculated using the number of abortions obtained by women, ages 15-44 in a given race and/or ethnic group per 1,000 women in the same group; ^d Calculated using the number of abortions per 1,000 live births; ^e Beginning 2011, rates and ratios should be interpreted with caution due to the addition of the Multiple Race and Unknown categories. Single race selections are the best estimates for rates and ratios.

**TABLE 1D-3
ABORTIONS BY WEEK OF GESTATION AND AGE GROUP, ARIZONA, 2023**

Age	Gestational Age ^a					
	≤13 weeks		14 to 20 weeks		≥21 or more weeks	
	Count	Percent	Count	Percent	Count	Percent
<15 yrs	17	100.0	0	0.0	0	0.0
15-19 yrs	1,059	94.4	63	5.6	0	0.0
20-24 yrs	3,762	97.0	116	3.0	*	**
25-29 yrs	3,454	96.4	127	3.5	0	0.0
30-34 yrs	2,338	95.9	98	4.0	*	**
35-39 yrs	1,197	95.9	48	3.8	*	**
≥40 yrs	405	96.9	13	3.1	0	0.0
Totals^a	12,232	96.3	465	3.7	10[†]	0.1

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [†] Sum rounded to nearest tens unit due to addend less than 6; ^a Total counts do not add to 12,705 due to (1) unknown weeks of gestation.

**TABLE 1D-4
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2023**

Week of gestation	Total	Race/ethnicity						Multiple race	Refused / Unknown race
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander			
Total	12,705	3,830†	6,010†	1,430†	320†	430†	250†	440†	
6 weeks or less	4,512	1,590	2,043	397	81	183	76	142	
7	2,665	817	1,259	299	59	85	49	97	
8	1,708	482	845	206	44	54	41	36	
9	1,297	324	643	164	42	30	34	60	
10	828	219	403	108	27	21	17	33	
11	469	109	234	68	7	17	9	25	
12	420	100	192	65	17	20	12	14	
13	333	83	156	48	16	8	9	13	
14	350†	79	184	48	19	*	*	9	
15	100†	23	49	19	*	*	*	6	
16	0	0	0	0	0	0	0	0	
17	10†	*	0	*	0	*	0	0	
18	0†	0	*	0	0	0	0	0	
19	0†	*	0	*	0	0	0	0	
20	10†	*	*	*	0	*	0	0	
21+	10†	*	0	0	0	*	0	*	
Unknown	0†	0	*	0	0	0	0	0	

Notes: * Cell suppressed due to count less than 6; ⁺ Sum rounded to nearest tens unit due to addend less than 6.