

CHAPTER 1

REPRODUCTIVE AND PERINATAL HEALTH, ARIZONA, 2003-2013

- 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.

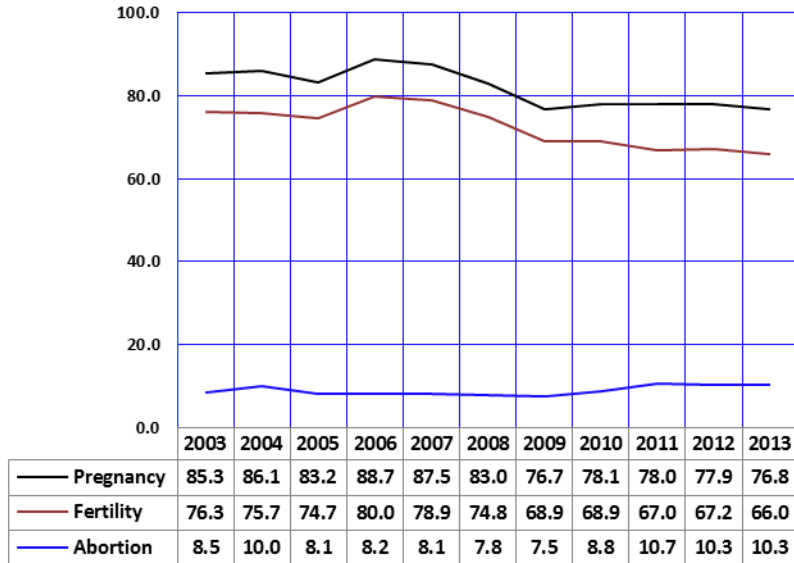
PREGNANCIES BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND AGE GROUP

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).

There were 98,762 pregnancies in Arizona in 2013 compared to 99,324 in 2012 and 110,155 in 2008. The number of resident live births decreased 0.9 percent from 85,725 in 2012 to 84,963 in 2013 (**Table 1A-1**). The number of reported abortions increased 1.0 percent from 13,129 in 2012 to 13,254 in 2013. The number of reportable spontaneous fetal losses increased 16.0 percent from 470 in 2012 to 545 in 2013.

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, 2003 - 2013



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

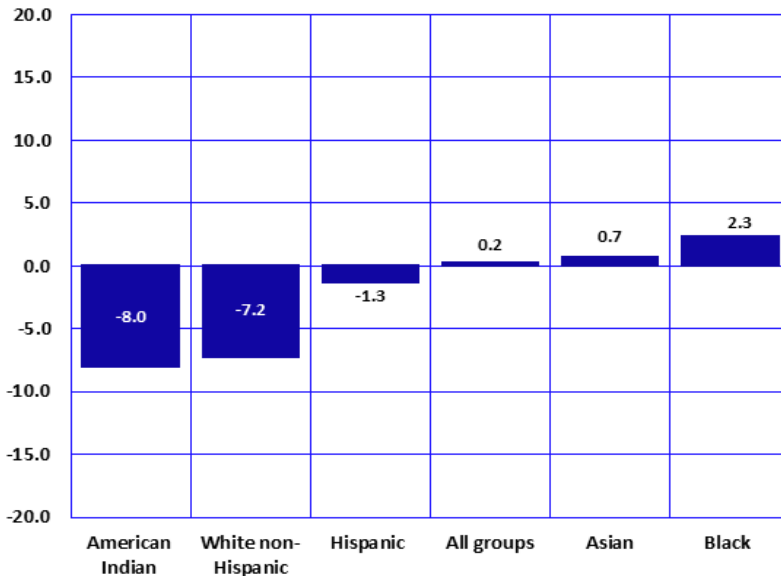
Rate is a measure of the frequency of some event (such as pregnancy, or live birth) in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. The pregnancy rate decreased from 77.9 pregnancies per 1,000 females of childbearing age in 2012 to 76.8/1,000 in 2013 (**Figure 1A-1, Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) also decreased from 67.2/1,000 in 2012 to 66.0/1,000 in 2013. The fertility rate in 2013 was 17.5 percent lower than the recent high of 2006.

The abortion rate (the number of abortions per 1,000 women of childbearing age) remained unchanged at 13.0 in 2012 and 2013. The stability in the abortion rate from 2011 through 2013 reflects consistent abortion reporting procedures maintained over the past three years.

It is important to note that the number of females aged 15-44 years estimated in 2013 (n = 1,286,456) was higher than in 2012 (n = 1,274,871).

Figure 1A-2
Percent Change from 2010 to 2013 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona



Overall, pregnancies in Arizona decreased 0.2 percent from 2010 to 2013. While the overall number of pregnancies remained stable over this period, the number of pregnancies across these years varied by race/ethnicity.

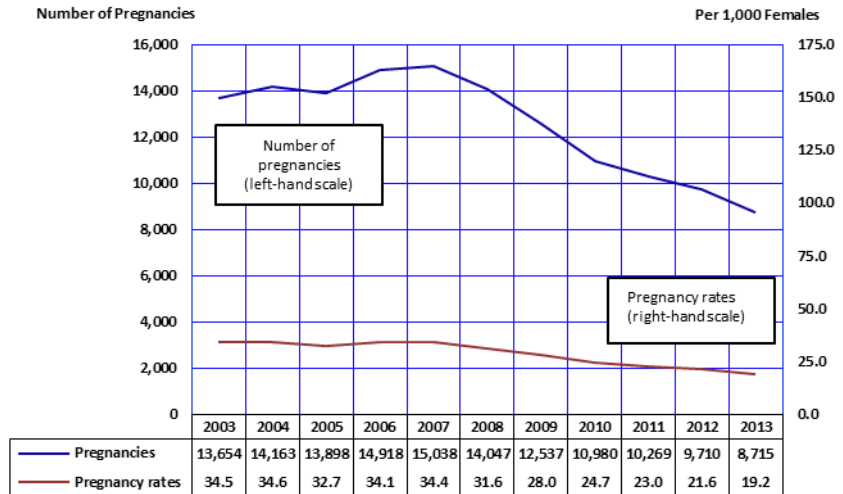
American Indian females (8.0 percent) and White non-Hispanic females (7.2 percent) experienced the greatest percent decrease in number of pregnancies from 2010 to 2013 (**Figure 1A-2, Table 1A-1**). Pregnancies among Hispanic females decreased 1.3 percent from 2010 to 2013, while the number of pregnancies for Asian females (0.7 percent) and Black females (2.3 percent) both increased over this period.

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

Figure 1A-3
Trends in the Number of Pregnancies and Pregnancy Rates^a among Females 19 or Younger, Arizona, 2003 - 2013

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 42.1 percent from 15,038 in 2007 to 8,715 in 2013 (**Figure 1A-3**). The teen pregnancy rate declined even more, by 44.2 percent, from 34.4 pregnancies per 1,000 females 10-19 years in 2007 to 19.2/1,000 in 2013. The number of teenage pregnancies and the teen pregnancy rate of 2013 were the lowest recorded since at least 1980.

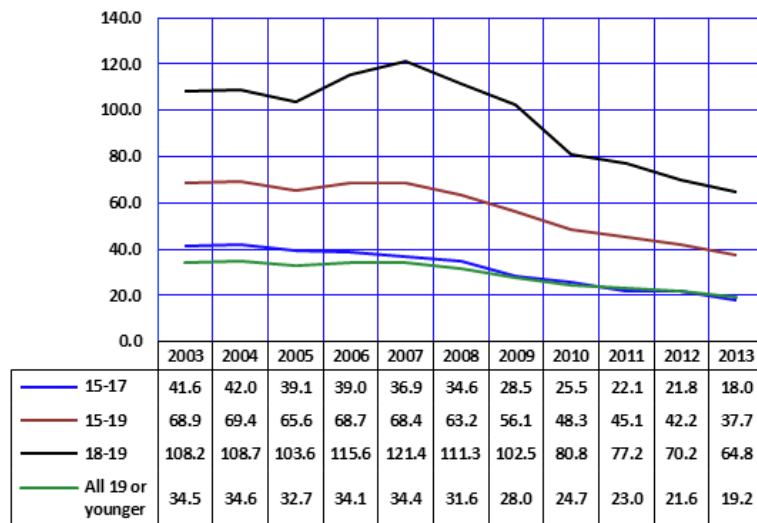


Note: ^a Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

Figure 1A-4
Pregnancy Rates^a by Age Group and Year among Females 19 or Younger, Arizona, 2003 - 2013

The pregnancy rate for Arizona teenagers 15-19 years old in 2013 was 37.7 pregnancies per 1,000 females (**Figure 1A-4, Table 5A-2**), 10.7 percent lower than 2012 and 44.9 percent lower than in 2007. The pregnancy rate for younger teenagers 15-17 years old declined by 51.2 percent (**Table 1A-3**) from 36.9/1,000 in 2007 to 18.0/1,000 in 2013. The pregnancy rate for older teenagers 18-19 years old declined by 46.6 percent from 121.4/1,000 in 2007 to 64.8/1,000 in 2013 (**Table 1A-4**).

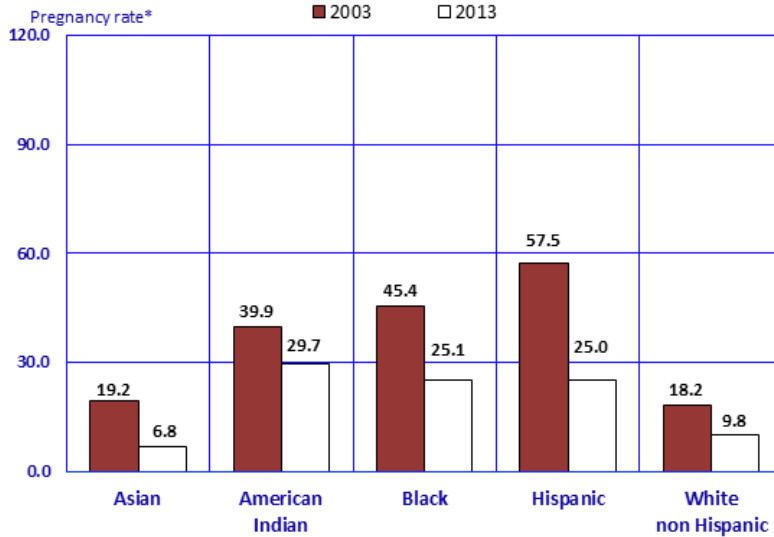
County-level information about teen pregnancies and pregnancy rates is provided in **Table 5A-2, Table 5A-3, and Table 5A-5**. Pregnancy statistics for Arizona are not available on a sub-county level.



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, 2003, and 2013



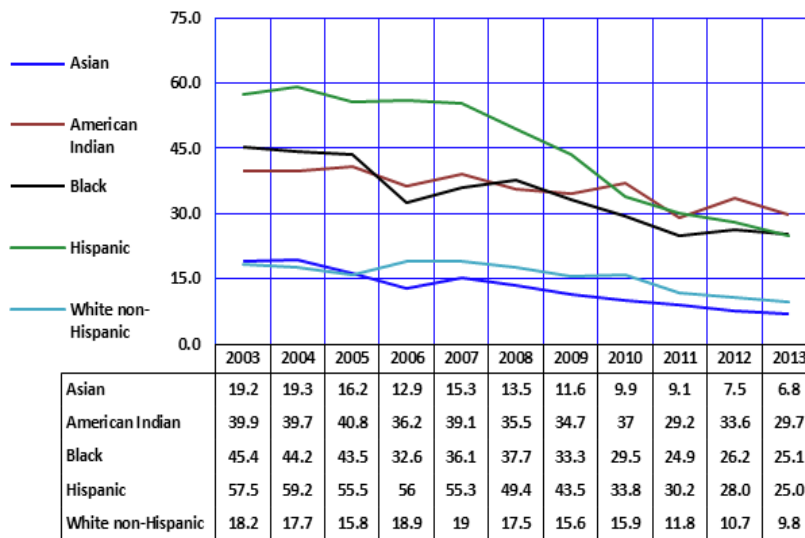
Note: ^a All rates per 1,000 females in specified age group.

Teen pregnancy rates differ by race/ethnicity.

Between 2003 and 2013, 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 Asian females, who experienced a 64.6 percent drop from 2003 to 2013. The Hispanic teenage pregnancy rate decreased 56.5 percent from 57.5 in 2003 to 25.0 in 2013, representing a much larger decline in the absolute number of pregnant teenage Hispanics compared to Asians.

The changes in annual teen pregnancy rates from 2003 to 2013 are shown in detail below.

Figure 1A-6
Pregnancy Rates^a by Race/Ethnicity and Year among Females
19 or Younger, Arizona, 2003 - 2013



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

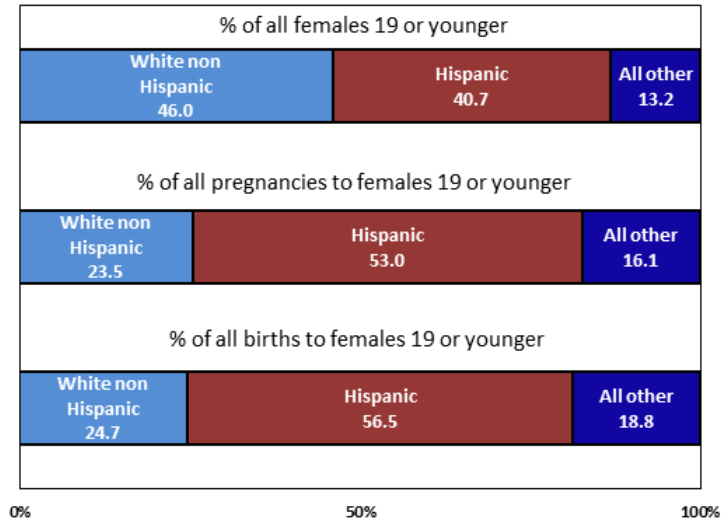
The teen pregnancy rates for all racial/ethnic groups were lower in 2013 than in 2003 (**Figure 1A-6**). Compared to 2012, the teen pregnancy rate decreased for all racial/ethnic groups.

From 2012 to 2013, teenage pregnancy rates decreased 11.6 percent for American Indian females, 10.7 percent for Hispanic or Latino females, 9.3 percent for Asian or Pacific Islander females, 8.4 percent among White non-Hispanic females, and 4.2 percent for Black or African American females.

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

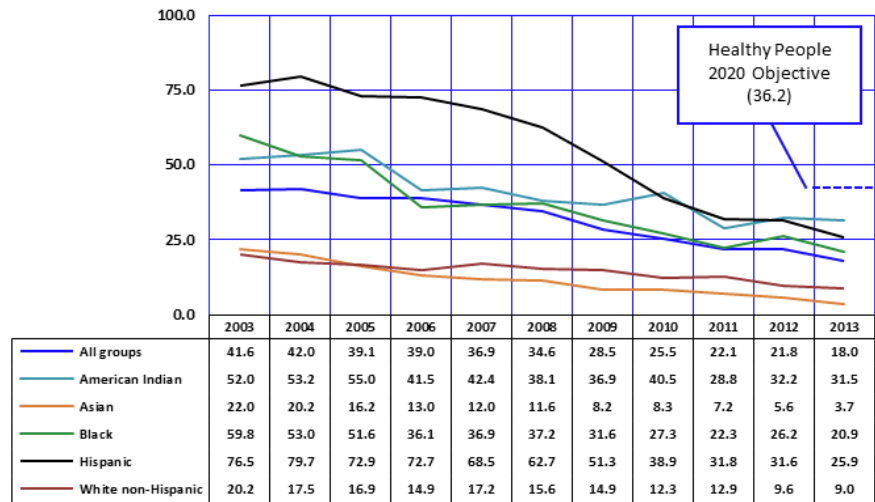
In 2013, Hispanic females accounted for approximately 40.7 percent of all females 10-19 years old in Arizona. As in the past, they accounted for a large percentage of teen pregnancies (53.0 percent) and live births (56.5 percent; **Figure 1A-7**). In contrast, White non-Hispanic females made up a larger proportion of all females 10-19 years old in Arizona, but had a lower proportional contribution to teen pregnancies (23.5 percent) and live births (24.7 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.

Figure 1A-7
Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2013



In 2013, the pregnancy rate of 18.0 pregnancies per 1,000 adolescent females 15-17 years old in Arizona was 49.7 percent lower than the **Healthy People 2020** objective of 36.2/1,000 (**Figure 1A-8, Table 1A-3**). For all racial/ethnic groups in Arizona, the pregnancy rates for females age 15-17 years were below the Healthy People 2020 objective. The 2013 pregnancy rate among Asians age 15-17 was 9.8 times lower than the objective and among White non-Hispanics 4.0 times lower than the objective. While lower than the 2020 objective, the pregnancy rates of American Indians, Hispanics, and Blacks were substantially higher than their White non-Hispanic and Asian counterparts.

Figure 1A-8
Pregnancy Rates by Race/Ethnicity and Year among Females 15-17 Years: 2003 - 2013 and the "Healthy Arizona 2020" Objective



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, 2003-2013**

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE^c NON-HISPANIC, total:	43,928	45,236	44,296	48,329	47,633	46,860	44,737	44,174	40,868	40,769	40,982	62.3
Births	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	38,220	58.1
Abortions	4,887	5,726	4,431	5,106	5,202	4,737	4,759	5,241	2,385	1,904	2,515	3.8
Fetal deaths	199	239	208	210	215	198	197	156	189	195	247	0.4
HISPANIC OR LATINO, total:	42,788	45,534	45,500	48,266	49,717	45,997	41,869	37,953	36,853	36,720	37,469	82.8
Births	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	33,075	73.1
Abortions	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	4,274	3,393	4,189	9.3
Fetal deaths	246	227	232	244	267	234	204	198	181	181	205	0.5
BLACK OR AFRICAN AMERICAN,^d total:	3,558	3,972	4,068	4,484	4,884	5,089	5,166	4,843	4,538	4,867	4,955	84.9
Births	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	4,726	81.0
Abortions	495	723	585	581	675	744	736	476	145	116	189	3.2
Fetal deaths	41	33	33	39	44	44	52	39	27	36	40	0.7
AMERICAN INDIAN OR ALASKA NATIVE,^e total:	6,279	6,497	6,691	6,744	6,757	6,706	6,516	6,063	5,921	5,650	5,577	80.7
Births	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	5,476	79.2
Abortions	357	341	353	342	310	297	300	218	48	38	61	0.9
Fetal deaths	41	36	45	38	39	47	46	30	43	43	40	0.6
ASIAN OR PACIFIC ISLANDER,^f total:	2,804	3,075	3,195	3,537	3,883	3,856	3,797	3,564	3,579	3,715	3,589	73.9
Births	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	3,466	71.4
Abortions	272	444	379	391	454	412	390	254	47	75	110	2.3
Fetal deaths	8	17	11	10	17	19	11	17	27	15	13	0.3
ALL RACE/ETHNIC GROUPS^g, total:	101,476	106,252	106,776	113,091	113,756	110,155	103,172	98,548	99,266	99,324	98,762	76.8
Births	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963	66.0
Abortions	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	13,254	10.3
Fetal deaths	539	e505	532	543	583	544	511	443	470	470	545	0.4
Pregnancy rate, total:	85.3	86.1	83.2	88.7	87.5	83.0	76.7	78.1	78.0	77.9	76.8	
Fertility rate^d	76.3	75.7	74.7	80.0	78.9	74.8	68.9	68.9	67.0	67.2	66.0	
Abortion rate	8.5	10.0	8.1	8.2	8.1	7.8	7.5	8.8	10.7	10.3	10.3	

Notes: ^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 Includes other and unspecified ethnicity; ^d Number of births per 1,000 females of childbearing age; ^e The total number of fetal deaths for 2004 was revised from 555 to 505; for the revised 2004 counts of fetal deaths by race/ethnicity see Table 1C-4; ^f A coding error in the abortion reporting document incorrectly specified a portion of those who self-identified as multiple race with all possible racial choices.

**TABLE 1A-2
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES AGED 17 AND YOUNGER
WITH RATES^b, ARIZONA, 2003-2013**

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE^c NON-HISPANIC, total:	1,131	1,129	1,028	1,204	1,165	1,074	894	770	600	564	448	2.8
Births	805	764	728	871	805	784	669	553	507	483	373	2.3
Abortions	322	360	293	324	353	287	218	214	90	71	72	0.4
HISPANIC OR LATINO, total:	2,993	3,198	3,043	3,281	3,286	3,057	2,496	2,106	1,731	1,728	1,443	9.7
Births	2,746	2,916	2,858	3,046	3,007	2,835	2,340	1,927	1,528	1,574	1,291	8.7
Abortions	224	267	172	217	254	207	144	167	196	150	142	1.0
BLACK OR AFRICAN AMERICAN, total:	256	241	247	255	268	266	221	189	170†	174	140	8.4
Births	207	192	207	194	207	215	187	161	162	164	128	7.7
Abortions	46	47	37	57	55	48	31	25	*	9	9	0.5
AMERICAN INDIAN OR ALASKA NATIVE, total:	501	495	530	477	504	452	436	361	310†	260†	260†	12.2
Births	471	473	499	449	471	430	411	345	307	258	251	11.9
Abortions	28	18	25	25	30	19	22	15	*	*	*	**
ASIAN OR PACIFIC ISLANDER, total:	47	46	39	43	43	41	30	30†	30†	20†	20†	1.6
Births	39	26	29	29	31	27	20	24	28	18	13	1.4
Abortions	8	20	10	14	12	14	9	*	*	*	*	**
ALL RACE/ETHNIC GROUPS^d, total:	5,027	5,188	5,029	5,347	5,300	4,970	4,101	3,513	3,089	2,976	2,476	6.9
Births	4,321	4,415	4,364	4,620	4,541	4,312	3,633	3,015	2,548	2,497	2,056	5.8
Abortions	674	747	636	693	718	634	442	479	527	463	402	1.1
Pregnancy rate, total:	15.9	15.9	14.8	15.1	14.8	13.7	11.2	10.0	8.7	8.4	6.9	
Fertility rate^e	13.7	13.5	12.9	13.0	12.7	11.9	9.9	8.6	7.2	7.1	5.8	
Abortion rate	2.1	2.3	1.9	2.0	2.0	1.7	1.2	1.4	1.5	1.3	1.1	

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, 2003-2013**

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE^c NON-HISPANIC, total:	1,090	1,093	996	1,157	1,067	1,038	863	742	577	549	434	7.1
Births	782	747	711	852	779	769	649	541	494	475	365	6.0
Abortions	304	341	278	296	282	266	207	198	80	65	66	1.1
HISPANIC OR LATINO, total:	2,819	3,040	2,885	3,131	3,126	2,911	2,401	2,021	1,653	1,670	1,390	25.9
Births	2,600	2,779	2,721	2,923	2,892	2,724	2,253	1,859	1,467	1,528	1,244	23.1
Abortions	197	247	151	193	210	173	136	151	179	138	136	2.5
BLACK OR AFRICAN AMERICAN, total:	247	228	234	239	242	248	212	178	160†	166	133	20.9
Births	204	180	199	187	195	203	181	151	152	159	122	19.2
Abortions	40	46	32	48	42	43	28	24	*	6	8	1.3
AMERICAN INDIAN OR ALASKA NATIVE, total:	461	473	505	457	470	428	419	345	300†	250†	250†	31.5
Births	434	452	478	430	445	408	394	331	293	251	243	30.8
Abortions	25	17	21	24	22	17	22	13	*	*	*	**
ASIAN OR PACIFIC ISLANDER, total:	45	44	38	39	39	38	30†	30†	26	20†	10†	3.7
Births	38	25	28	28	31	26	18	23	26	17	11	3.2
Abortions	7	19	10	11	8	12	*	*	0	*	*	**
ALL RACE/ETHNIC GROUPS^d, total:	4,755	4,955	4,790	5,105	4,975	4,740	3,945	3,363	2,939	2,860	2,385	18.0
Births	4,110	4,227	4,179	4,450	4,361	4,151	3,501	2,910	2,447	2,430	1,985	15.0
Abortions	614	703	582	624	576	567	418	435	478	414	382	2.9
Pregnancy rate, total:	41.6	42.0	39.1	39.0	36.9	34.6	28.5	25.5	22.1	21.8	18.0	
Fertility rate^e	35.9	35.8	34.1	34.0	32.3	30.3	25.3	22.1	18.4	18.5	15.0	
Abortion rate	5.4	6.0	4.8	4.8	4.3	4.1	3.0	3.3	3.6	3.1	2.9	

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, 2003-2013**

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE^c NON-HISPANIC, total:	2,772	2,795	2,603	2,944	2,936	2,778	2,560	2,316	1,792	1,675	1,602	34.0
Births	2,165	2,042	2,016	2,338	2,295	2,209	2,046	1,833	1,582	1,494	1,408	29.9
Abortions	592	735	574	593	629	554	502	480	199	167	185	3.9
HISPANIC OR LATINO, total:	4,483	4,767	4,705	5,115	5,259	4,707	4,400	3,812	3,566	3,357	3,175	87.4
Births	4,046	4,222	4,330	4,692	4,775	4,333	4,001	3,421	3,103	3,053	2,789	76.8
Abortions	406	517	350	392	456	354	381	365	442	291	367	10.1
BLACK OR AFRICAN AMERICAN, total:	408	430	441	476	498	546	501	446	413	390 [†]	397	82.8
Births	342	348	362	407	414	441	416	401	399	380	379	79.1
Abortions	61	78	77	67	81	95	79	42	13	*	14	2.9
AMERICAN INDIAN OR ALASKA NATIVE, total:	714	720	759	800	849	794	793	664	690 [†]	640 [†]	530 [†]	97.8
Births	670	669	705	767	814	755	759	643	680	632	524	96.7
Abortions	40	47	51	30	33	35	30	21	*	*	*	**
ASIAN OR PACIFIC ISLANDER, total:	87	102	93	89	124	108	99	88	90 [†]	68	70 [†]	25.5
Births	68	66	67	63	72	86	68	79	83	61	66	24.8
Abortions	19	36	25	26	51	22	31	9	*	7	*	**
ALL RACE/ETHNIC GROUPS^d, total:	8,627	8,975	8,869	9,571	9,738	9,077	8,436	7,467	7,180	6,734	6,239	64.8
Births	7,379	7,448	7,569	8,296	8,431	7,849	7,319	6,401	5,887	5,620	5,166	53.6
Abortions	1,193	1,473	1,256	1,226	1,261	1,179	1,077	1,033	1,258	1,077	1,039	10.8
Pregnancy rate, total:	108.2	108.7	103.6	115.6	121.4	111.3	102.5	80.8	77.2	70.2	64.8	
Fertility rate^e	92.5	90.2	88.4	100.2	105.1	96.3	89.0	69.2	63.3	58.6	53.6	
Abortion rate	15.0	17.8	14.7	14.8	15.7	14.5	13.1	11.2	13.5	11.2	10.8	

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 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, 2003-2013**

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE^c NON-HISPANIC, total:	3,903	3,924	3,631	4,148	4,101	3,852	3,454	3,086	2,392	2,239	2,050	9.8
Births	2,970	2,806	2,744	3,209	3,100	2,993	2,715	2,386	2,089	1,977	1,781	8.5
Abortions	914	1,095	867	917	982	841	720	694	289	238	257	1.2
HISPANIC OR LATINO, total:	7,476	7,965	7,748	8,396	8,545	7,764	6,896	5,918	5,297	5,085	4,618	25.0
Births	6,792	7,138	7,188	7,738	7,782	7,168	6,341	5,348	4,631	4,627	4,080	22.1
Abortions	630	784	522	609	710	561	525	532	638	441	509	2.8
BLACK OR AFRICAN AMERICAN, total:	664	671	688	731	766	812	722	635	580	562	537	25.1
Births	549	540	569	601	621	656	603	562	561	544	507	23.7
Abortions	107	125	114	124	136	143	110	67	17	14	23	1.1
AMERICAN INDIAN OR ALASKA NATIVE, total:	1,215	1,215	1,289	1,277	1,353	1,246	1,229	1,025	1,000 [†]	900 [†]	787	29.7
Births	1,141	1,142	1,204	1,216	1,285	1,185	1,170	988	987	890	775	29.3
Abortions	68	65	76	55	63	54	52	36	*	*	8	0.3
ASIAN OR PACIFIC ISLANDER, total:	134	148	132	132	167	149	129	117	120 [†]	88	80 [†]	6.8
Births	107	92	96	92	103	113	88	103	111	79	79	6.5
Abortions	27	56	35	40	63	36	40	14	*	9	*	**
ALL RACE/ETHNIC GROUPS^d, total:	13,654	14,163	13,898	14,918	15,038	14,047	12,537	10,980	10,269	9,710	8,715	19.2
Births	11,700	11,863	11,933	12,916	12,972	12,161	10,952	9,416	8,435	8,117	7,222	15.9
Abortions	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	1,785	1,539	1,441	3.2
Pregnancy rate, total:	34.5	34.6	32.7	34.1	34.4	31.6	28.0	24.7	23.0	21.6	19.2	
Fertility rate^e	29.5	29.0	28.1	29.6	29.7	27.4	24.4	21.2	18.9	18.0	15.9	
Abortion rate	4.7	5.4	4.5	4.4	4.5	4.1	3.4	3.4	4.0	3.4	3.2	

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 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, 2013
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	98,762	91	2,385	6,239	25,883	28,197	22,420	10,789	2,548	210†	0†
Births	84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	172	*
Abortions ^b	13,254	20	382	1,039	4,304	3,372	2,328	1,313	464	32	0
Fetal deaths	550†	0	18	34	115	159	123	79	13	*	*
White non-Hispanic											
Total pregnancies	40,982	14	430†	1,602	8,792	12,680	11,264	5,016	1,080†	100†	0†
Births	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	94	*
Abortions ^b	2,520†	6	66	185	809	643	457	257	88	*	0
Fetal deaths	250†	0	*	9	47	65	68	49	*	0	*
Hispanic or Latino											
Total pregnancies	37,469	53	1,390	3,175	11,465	10,040	6,864	3,584	837	60†	0†
Births	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*
Abortions ^b	4,189	6	136	367	1,468	1,056	668	371	105	12	0
Fetal deaths	210†	0	10	19	50	62	36	20	6	*	*
Black or African American											
Total pregnancies	4,955	10†	130†	400†	1,543	1,359	958	450†	100†	8	0
Births	4,726	6	122	379	1,464	1,307	918	425	97	8	0
Abortions ^b	190†	*	8	14	72	40	30	18	6	0	0
Fetal deaths	40†	0	*	*	7	12	10	*	*	0	0
American Indian or Alaska Native											
Total pregnancies	5,577	8	250†	530†	1,804	1,502	940†	430†	100†	10†	0
Births	5,476	8	243	524	1,778	1,469	924	420	99	11	0
Abortions ^b	60†	0	*	*	17	18	9	6	*	0	0
Fetal deaths	40†	0	*	*	9	15	*	*	*	*	0
Asian or Pacific Islander											
Total pregnancies	3,590†	0†	10†	70†	380†	1,020†	1,260†	660†	169	13	0
Births	3,470†	*	11	66	339	996	1,228	649	162	13	0
Abortions ^b	110†	0	*	*	37	21	29	12	7	0	0
Fetal deaths	10†	0	0	0	*	*	*	*	0	0	0

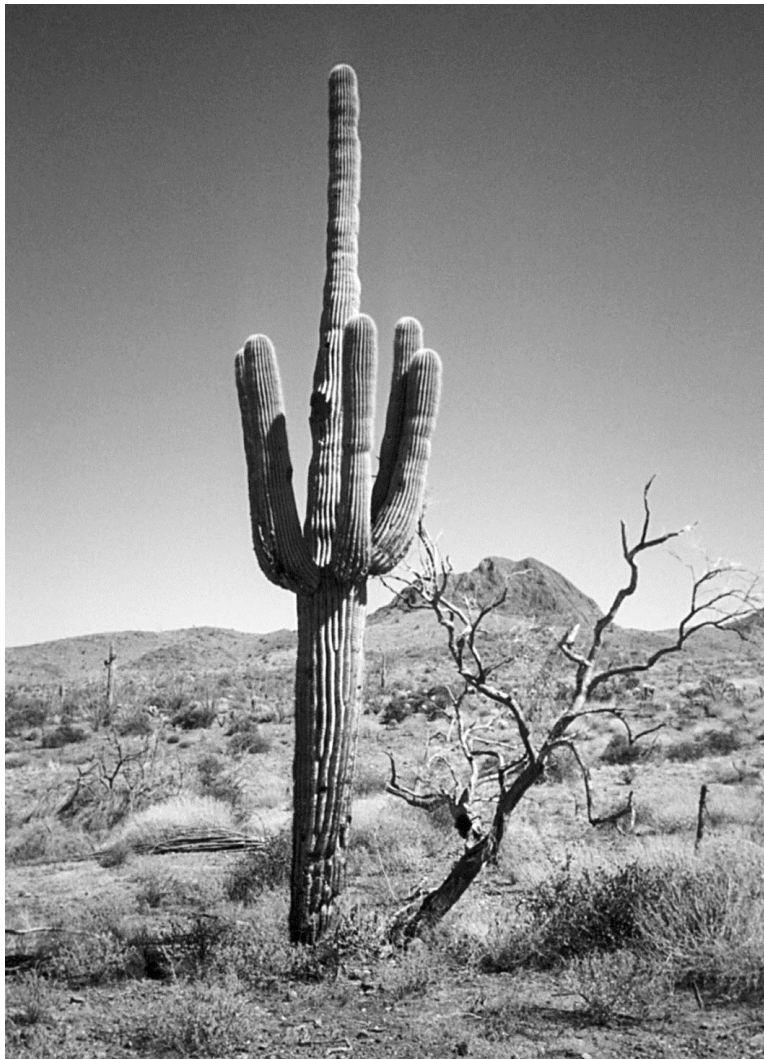
Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The sum of recorded live births, spontaneous fetal losses and abortions; ^b Abortions include unknown or multiple race.

**TABLE 1A-7
PREGNANCY RATES^a AND NUMBER OF LIVE BIRTHS, FETAL DEATHS, AND
ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2013**

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Abortions	Spontaneous fetal losses	Number	Rate
10	44,616	0	0	0	0	0.0
11	44,648	0	0	0	0	0.0
12	45,813	*	0	0	*	**
13	45,682	15	*	0	18	0.4
14	44,249	55	17	0	72	1.6
10-14	225,007	71	20	0	91	0.4
15	43,941	223	59	*	287	6.5
16	44,226	609	121	*	732	16.6
17	44,189	1,153	202	11	1,366	30.9
15-17	132,356	1,985	382	18	2,385	18.0
18	46,859	2,012	415	15	2,442	52.1
19	49,437	3,154	624	19	3,797	76.8
18-19	96,296	5,166	1,039	34	6,239	64.8
Total 10-19	453,659	7,220†	1,440†	50†	8,720†	19.2

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 Rates per 1,000 female population in specific group.



1B.

NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

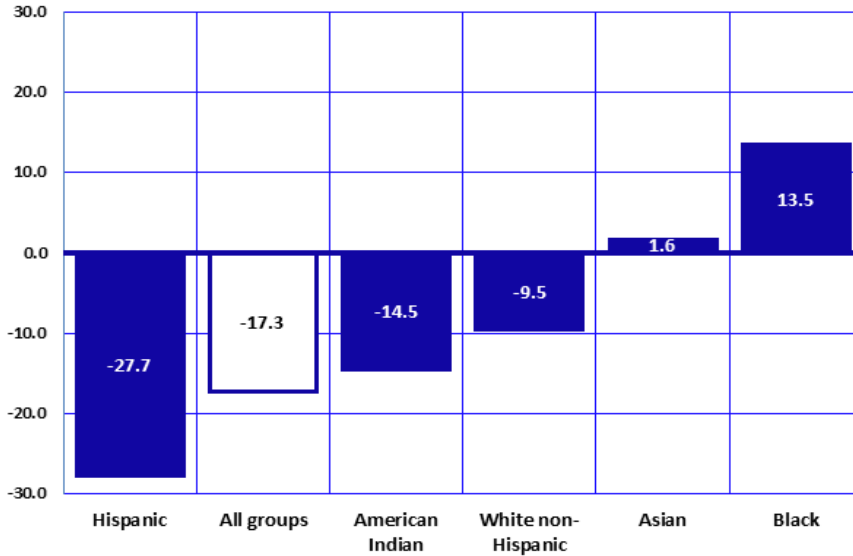
The number of resident births reached its recent peak in 2007 at 102,687 (**Table 1B-2**). In 2008, the number of resident births declined to 99,215; the first annual decline since 1991 (which, like 2008, also was an economic downturn year). Since 2008, the number of births declined until 2011, reaching a low of 85,190 births. In 2012, the number of resident births slightly increased to 85,725. The 84,963 resident births recorded in 2013 is the lowest number of births in Arizona since 1999 (n = 80,505).

There were striking differences in how the number of births changed from 2007 to 2013 by mother's race/ethnicity. Compared to 2007, the number of births for all combined racial/ethnic groups was 17.3 percent lower in 2013, although the number of births rose by 13.5 percent for Black or African American mothers. Hispanic or Latino women experienced a decrease of 27.7 percent during this period (**Figure 1B-1**).

Since the 2008 edition of this report, we have been pointing out that Hispanics, unlike any other racial/ethnic group in the State, faced not only the economic recession (shared by all), but also additional challenges such as the employer-sanction law (a penalty on employers hiring undocumented workers), and a widespread practice of e-verify (checking the legal-residence status of those seeking employment). Considering these factors, the decrease in births to Hispanic or Latino mothers is likely correlated with the social and economic conditions this particular group has been facing, especially considering the estimated number of Hispanic women of childbearing age (15 – 44 years) has increased from 405,306 in 2007 to 452,638 in 2013.

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

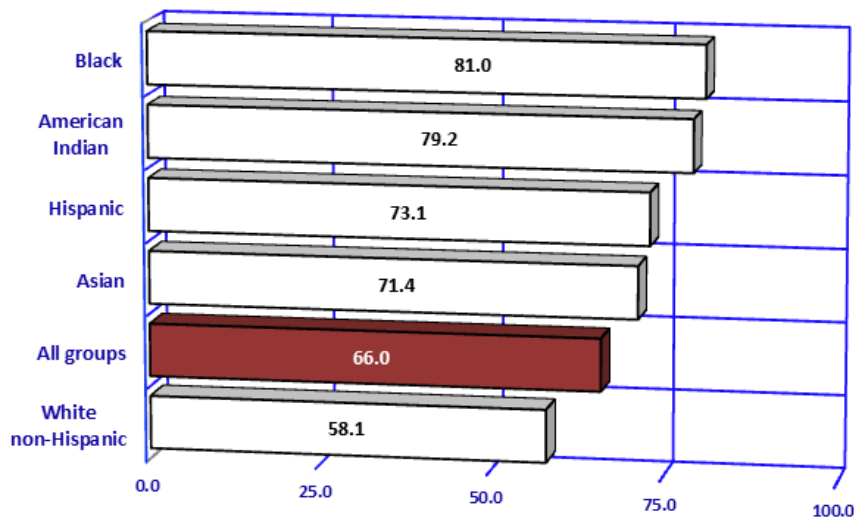
Figure 1B-1
Percent Change from 2007 to 2013 in the Number of Resident Live Births by
Mother's Race/Ethnicity, Arizona



From 2007 to 2013, the number of resident live births declined by 17.3 percent (**Figure 1B-1**). The magnitude of the reduction in the number of births was the largest among Hispanics or Latinos (-27.7 percent) and American Indians (-14.5 percent).

Racial/ethnic groups that represent a relatively small proportion of Arizona's population have seen increases in the number of live births from 2007 to 2013. Both Asian (1.6 percent) and Black (13.5 percent) resident mothers had a greater number of live births in 2013 than in 2007.

Figure 1B-2
General Fertility Rates^a by Race/Ethnicity among Females of all Ages,
Arizona, 2013



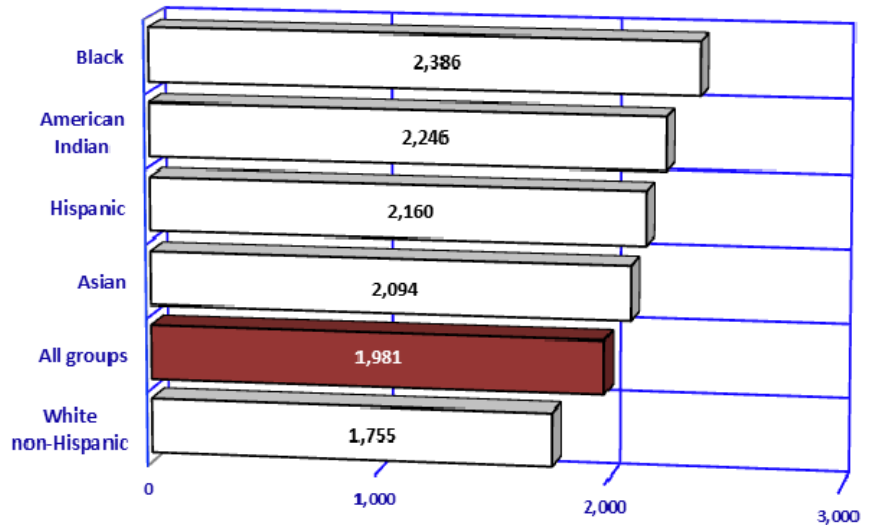
From among 1,286,456 women of childbearing age (15-44 years), 6.6 percent gave birth in 2013. The *general fertility rate* (the number of births per 1,000 women 15-44 years old; GFR) was the highest for Black or African American females, followed by American Indian, Hispanic, and Asian females. The GFR for White non-Hispanic 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

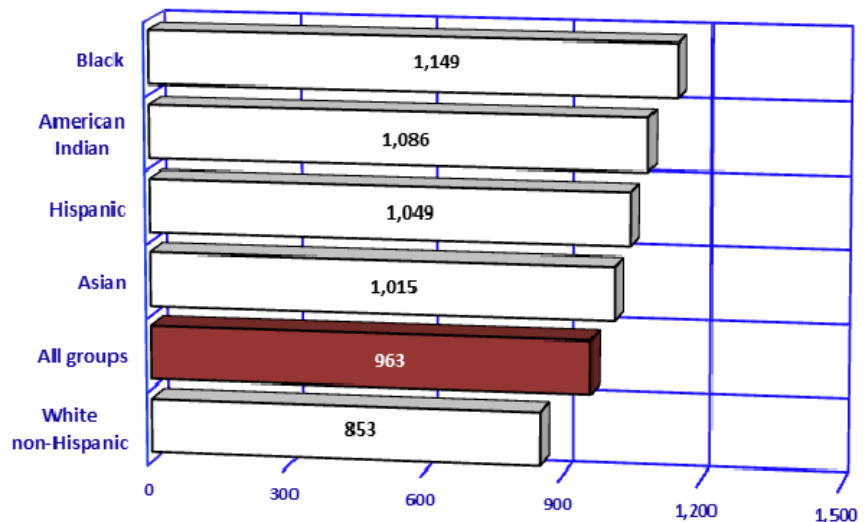
Figure 1B-3
Total Fertility Rates^a by Race/Ethnicity, Arizona, 2013



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 2000 to 2008, Arizona's TFRs always exceeded the rate of "replacement" (2,110 births per 1,000 women, **Table 1B-1**). The "replacement" rate is considered the value at which a given generation can exactly replace itself. The TFR was 2,058 births per 1,000 women of childbearing age in 2009 and 2010, decreasing to 1,981 in 2013. The 2013 TFR of 2,386 for Black or African American women exceeded the generation replacement rate by 13.1 percent. The rate for White non-Hispanic women (1,755) was 16.8 percent lower than the replacement rate.

Note: ^a The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 1,981 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 2013, they would have a total of 1,981 children (or 2.0 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, 2013

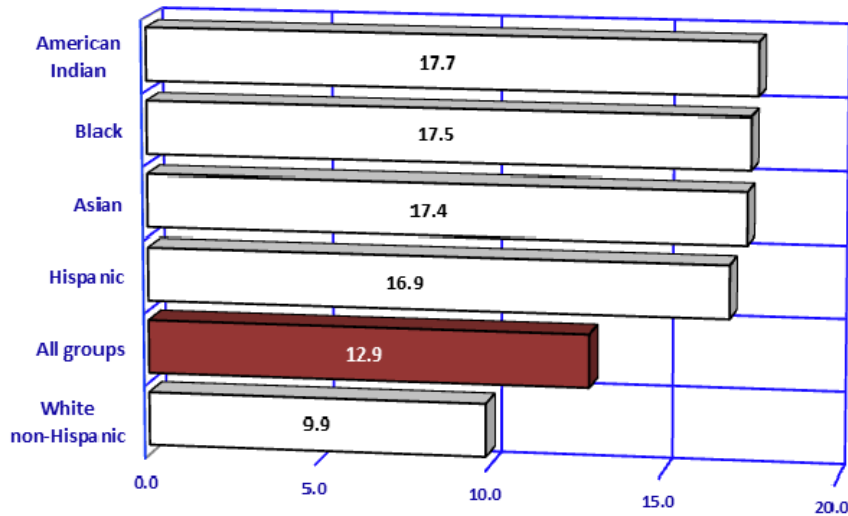


Another measure used to summarize reproduction patterns is the *gross reproduction rate* (GRR). It represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. This 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 2013, the gross reproduction rates in Arizona ranged from 853 for White non-Hispanic women to 1,149 for Black women (**Figure 1B-4, Table 1B-1**).

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.

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

Figure 1B-5
Birth Rates by Race/Ethnicity, Arizona, 2013



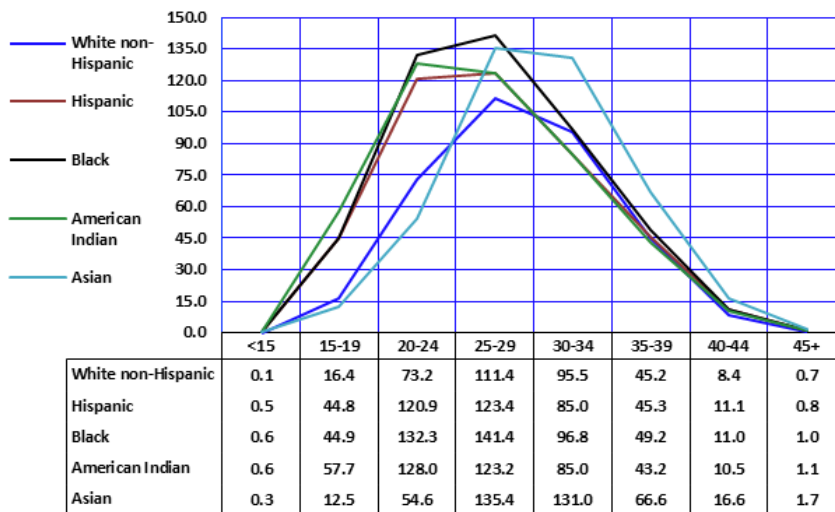
The crude birth rate, often simply called the birth rate, relates the number of births to the total population in a specified group. The birth rate is expressed as the total number of births per 1,000 persons, without regard to the age or sex distribution of the population.

The birth rate for Arizona decreased from 13.2/1,000 in both 2011 and 2012 to 12.9/1,000 in 2013.

In 2013 the crude birth rates by mother's race/ethnicity ranged from 9.9 births per 1,000 White non-Hispanics to 17.7 per 1,000 American Indians (**Figure 1B-5**).

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

Figure 1B-6
Birth Rates^a by Mother's Age Group and Race/Ethnicity, Arizona, 2013



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 2013, Black, American Indian, and Hispanic women had the highest birth rates for women in age groups up to 29 years. The birth rates for women aged 30 years or older were the highest among Asian women. In general, Hispanic, Black, and American Indian women tend to give birth at younger ages than Asian and non-Hispanic White women.

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

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

Unmarried mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s, with 45.1 percent in 2013 (Table 1B-2). In 2013, 38,352 infants were born to unmarried mothers compared to 37,394 in 2003 (Table 1B-26).

A decade ago, the proportion of births among unmarried women aged 20-24 years was 54.0 percent. This proportion has continued to rise from 2003 to 2013. In 2013, nearly 7 out of ten (66.0 percent) 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-23. County-level information is provided in Table 5B-14 and 5B-15.

Figure 1B-7
Percent Births to Unmarried Mothers by Age Group, Arizona, 2013

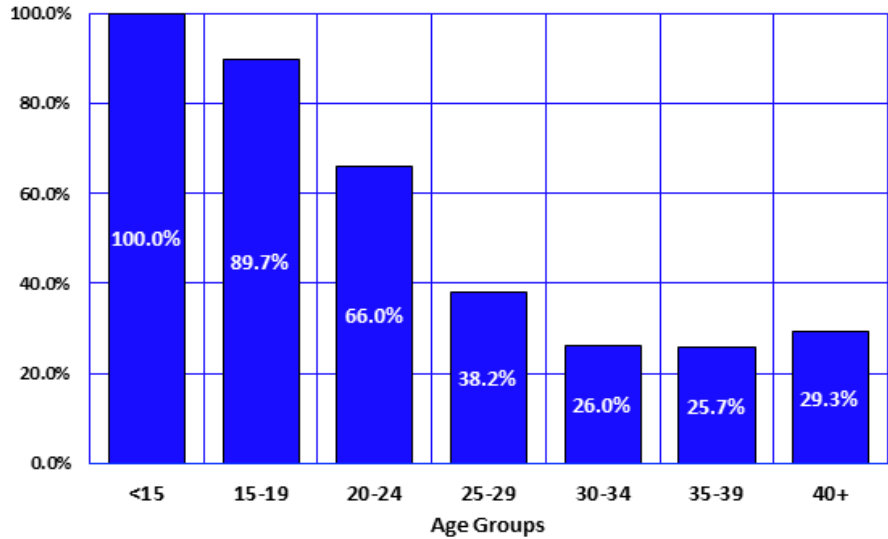
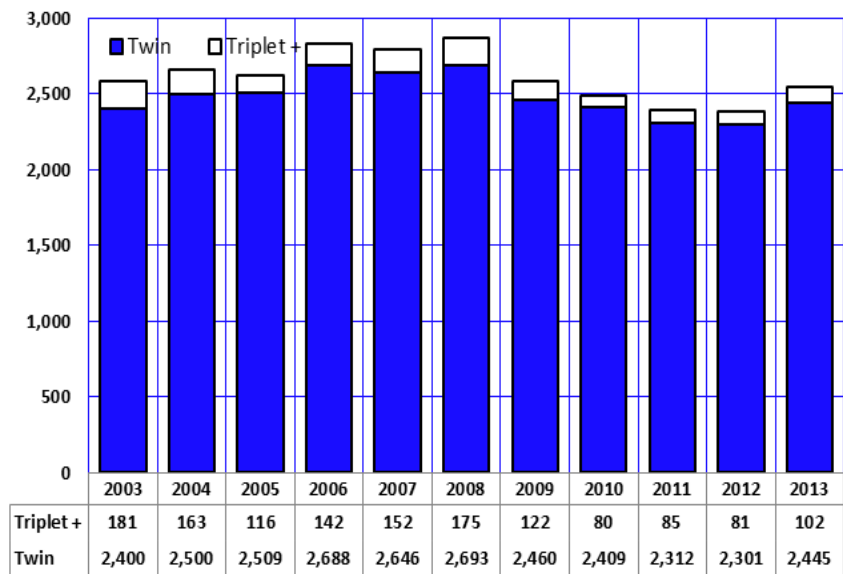


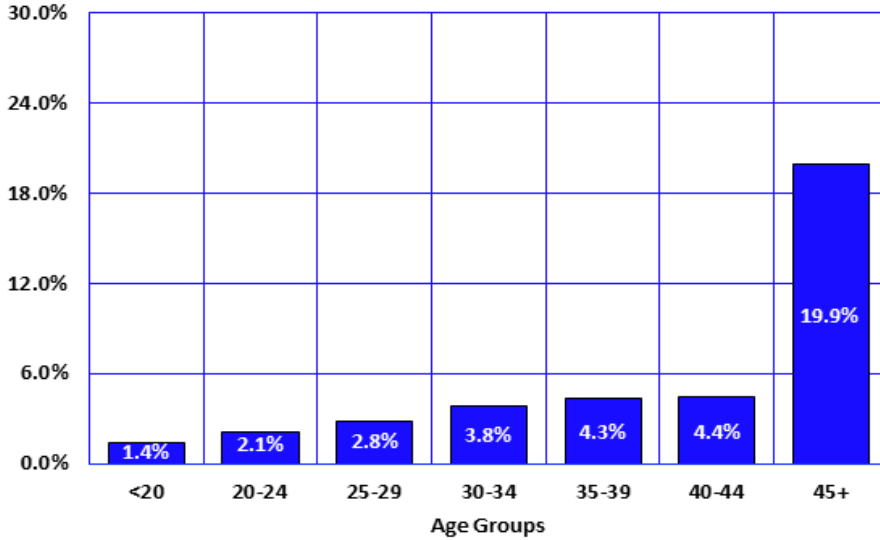
Figure 1B-8
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2003-2013

The number of multiple birth events in Arizona declined from 2,868 in 2008, (the highest number ever recorded) to 2,547 in 2013 (Figure 1B-8). The number of babies born in twin deliveries decreased from 2,693 in 2008 to 2,445 in 2013 (Figure 1B-8). The number of triplet and higher order multiple birth events decreased by 41.7 percent from 175 in 2008 to 102 in 2013.



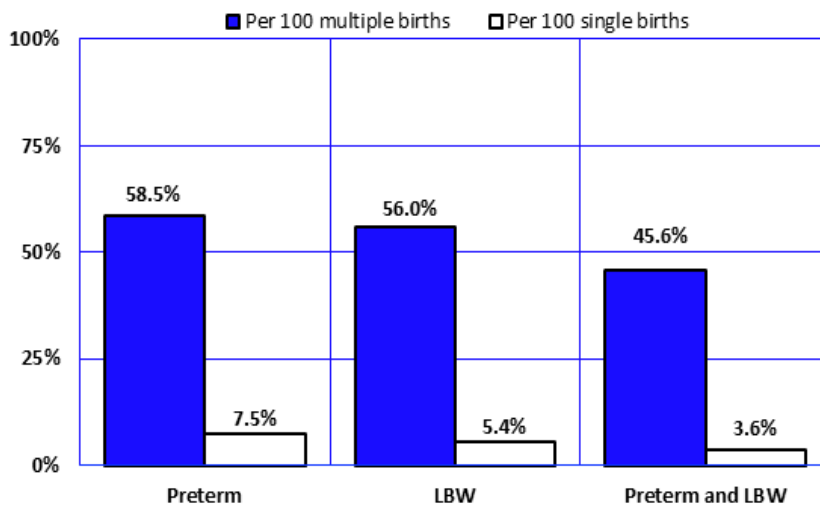
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-9
Risk for Multiple Births by Mother's Age Group, Arizona, 2013



In 2013, the proportion of multiple births gradually increased with maternal age among mothers below 45 years of age and sharply increased among mothers age 45 years and older. Among women aged 45 years and older, 19.9 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 decreased from 25 percent in 2010, to 16.8 percent in 2011, and dropped to 6.2 percent in 2012. Continued 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, 2013



Infants born in multiple deliveries tend to be born at shorter gestations and smaller than those born in singleton deliveries (**Figure 1B-10**). In 2013, infants born in multiple deliveries were 12.7 times more likely (45.6 vs. 3.6 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 almost two-thirds of infant deaths (59.0 percent; **Figure 2C-4** in section 2C on Age-Specific Mortality). The weight of the newborn also is an important predictor of future morbidity and mortality. Infants born at low birth weight (< 1,500 grams) account for 47.9 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.

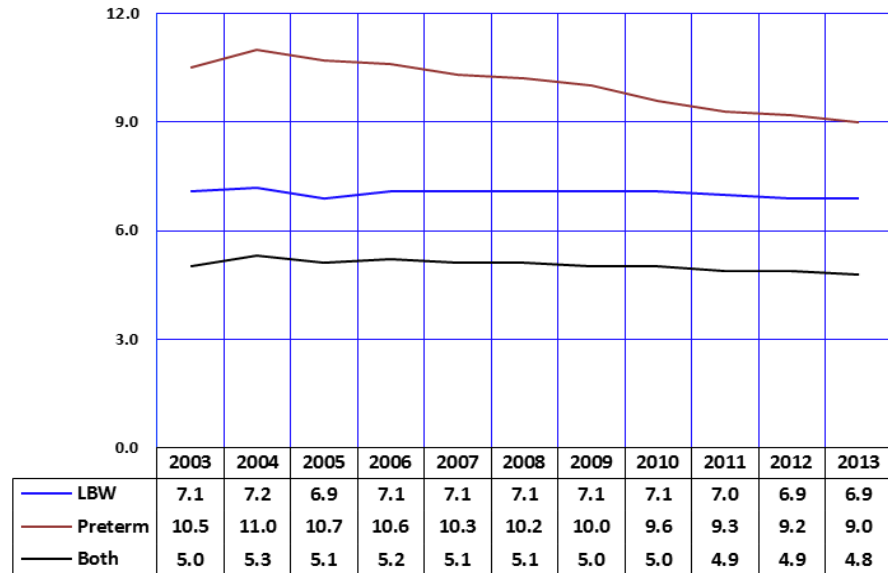
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

The proportion of preterm births decreased from 9.2 percent of all births in 2012 to 9.0 percent in 2013.

The proportion of infants born earlier than expected who were also low birth weight (LBW; at less than 2,500 grams) was 4.8/100 births in 2013 (Figure 1B-11).

Detailed characteristics of births by birthweight and gestational age are provided in Table 1B-33. Comparative data by county of residence are available in Table 5B-16 – Table 5B-24.

Figure 1B-11
Preterm^a and Low Birthweight (LBW)^b Births by Year, Arizona, 2003-2013

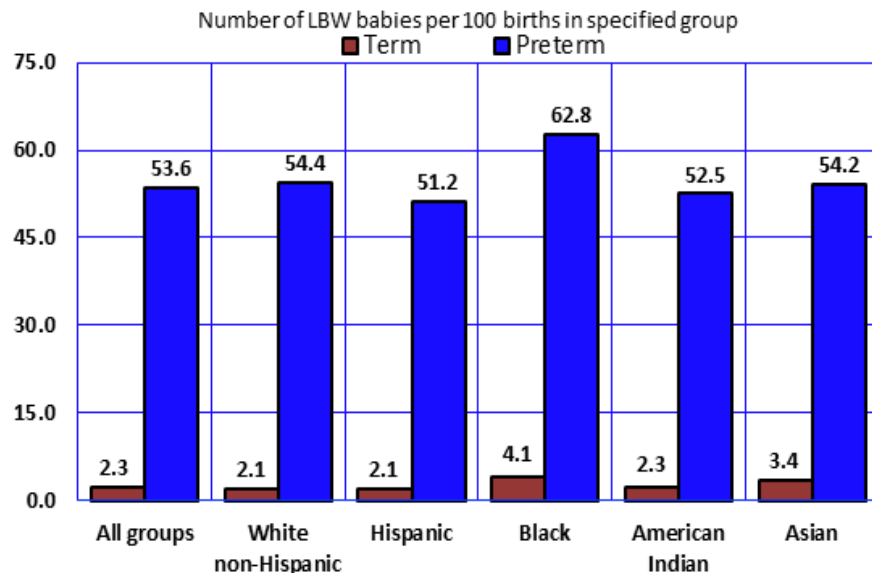


Notes: ^a Preterm: < 37 weeks of gestation; ^b Low birthweight (less than 2,500 grams or 5 pounds 8 ounces); In this report, the primary measure used to determine the gestational age is the clinical estimate of gestation as reported on the birth certificate.

Figure 1B-12
Low-Birthweight (LBW) Births by Length of Gestation and Mother's Race/Ethnicity, Arizona, 2013

From 2003 to 2013, between 6.8 and 7.2 percent of all babies were born at low birthweight (LBW), or at less than 2,500 grams (5 pounds 8 ounces). Preterm delivery is the strongest risk factor for LBW. Infants born at less than 37 completed weeks of gestation were 23.3 times (53.6 vs. 2.3 percent) more likely to be LBW than infants born at term (Figure 1B-12). Seven out of ten (70.2 percent) LBW babies born in 2013 were preterm (Table 1B-3).

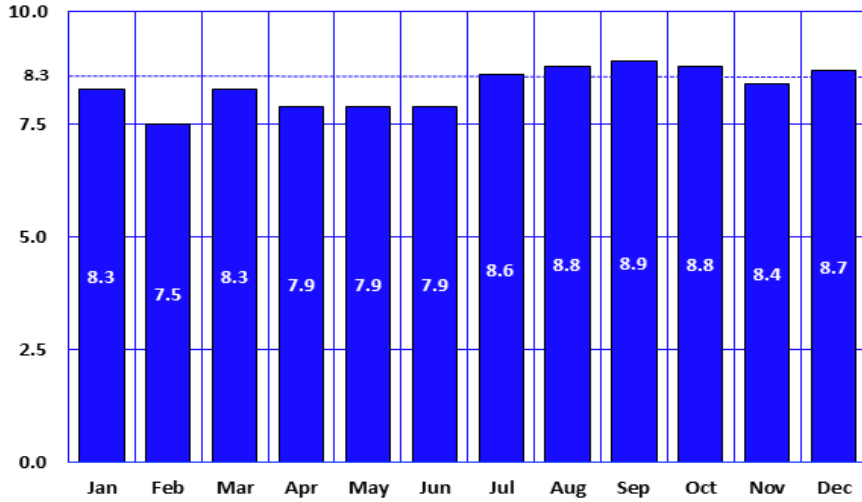
County-level data for LBW newborns are available in Tables 5B-16 – 5B-23. Community-level information is in Table 9A



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).

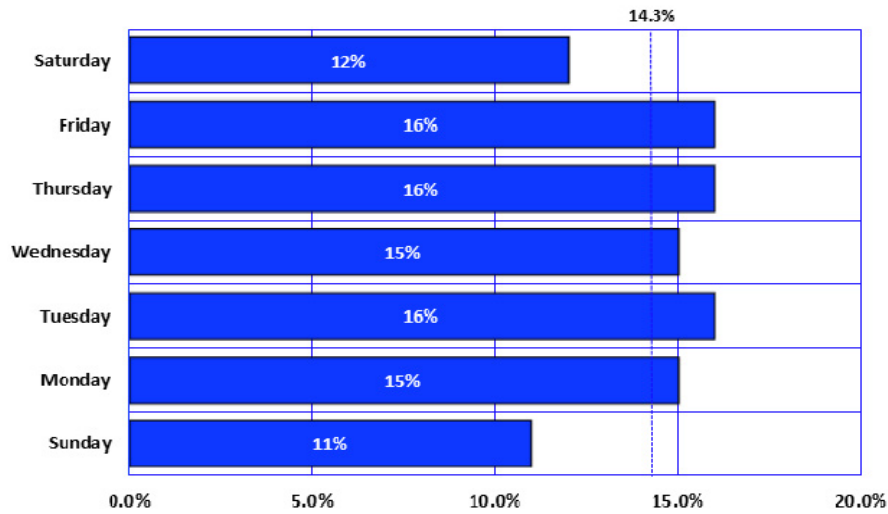
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-13
Percent of Resident Births by Month, Arizona, 2013



Historically, births in Arizona have peaked during August and September, with a monthly average around 8.3 percent. (Figure 1B-13).

Figure 1B-14
Percent of Resident Births by Day of the Week, Arizona, 2013



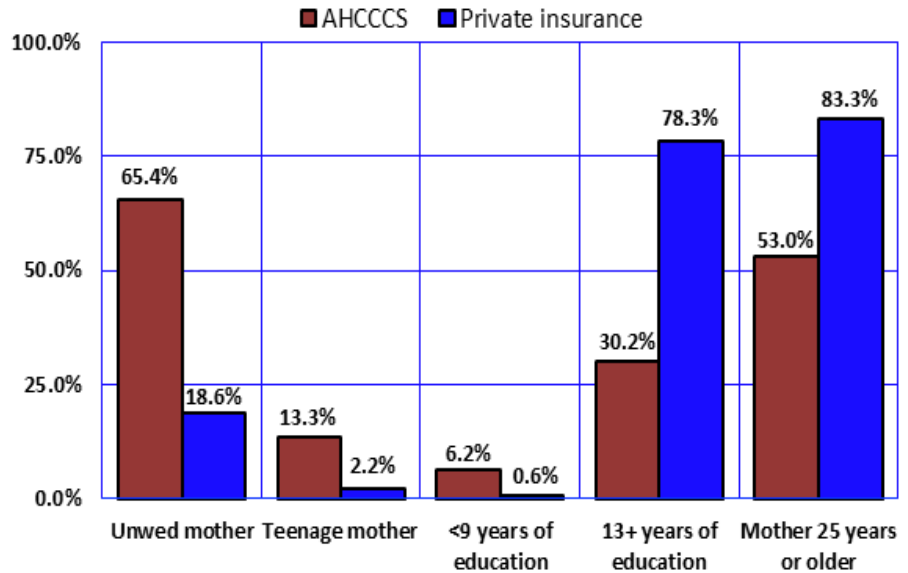
On average 233 infants were born per day in 2013 to Arizona residents. The daily average of resident live births in 2013 was substantially lower on weekends than on weekdays (Figure 1B-14). Many studies suggest that weekly, daily, and hourly variations observed in hospitals and clinics are not due to 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 2013, only 7.9 percent of repeat cesarean deliveries occurred on Sundays, compared to 16.7 percent on Mondays. The average rate of induction of labor was substantially lower on weekend days (10.9 percent) than it was on week days (15.7 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 2.6 times more likely to have some college education than were AHCCCS mothers (78.3 and 30.2 percent respectively, **Figure 1B-15**). Around 6 percent of AHCCCS mothers had 0-8 years of education, 10.3 times the proportion of PHI mothers. Only 18.6 percent of mothers with PHI were unmarried compared to 65.4 percent of AHCCCS mothers. Eight out of ten mothers with PHI were at least 25 years old compared to 5 out of 10 AHCCCS mothers.

Figure 1B-15
Comparison of Selected Sociodemographic Characteristics by the Payee for Delivery, Arizona, 2013

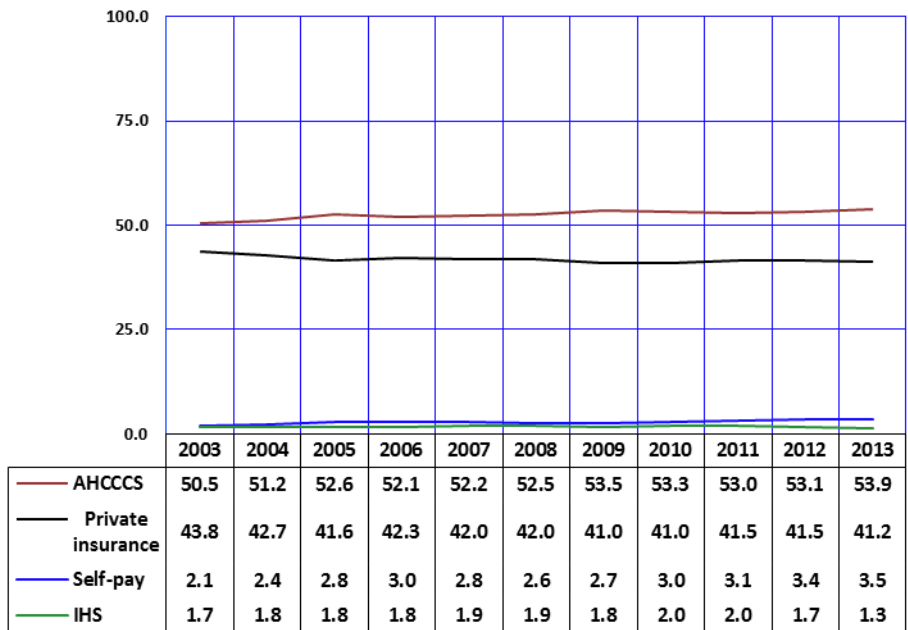


Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

Since 2002, the share of resident births paid for by AHCCCS has exceeded the share paid by private health insurance (**Figure 1B-16**). In 2003, private insurance funded 43.8 percent of births and AHCCCS paid for 50.5 percent of births. Compared to 2003, AHCCCS paid for 3.4 percent more births in 2013 and private insurance paid for 2.6 percent fewer births in 2013.

The share of AHCCCS funded births varied little from 2005 to 2013. The share of private health insurance also remained stable during this time period. In 2013, the payment source was the mothers themselves and/or their families (i.e., self-pay) in 3.5 percent of the deliveries. The Indian Health Service (IHS) paid for 1.3 percent of the births in 2013 (**Table 1B-28**; see also **Table 1B-25**).

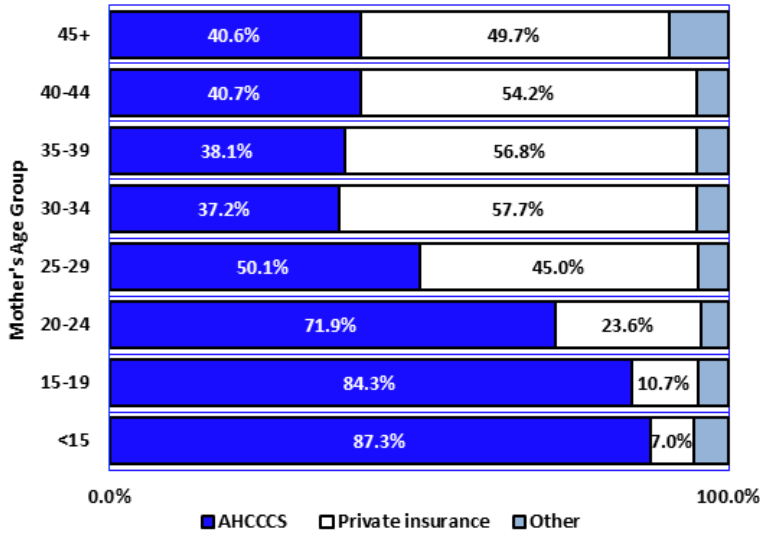
Figure 1B-16
Births by Payer and Year, Arizona, 2003-2013



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
Payee for Delivery by Mother's Age Group, Arizona, 2013



In 2013, 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 giving birth who were 30 years old or older in 2013 (based on data in **Table 1B-28**).

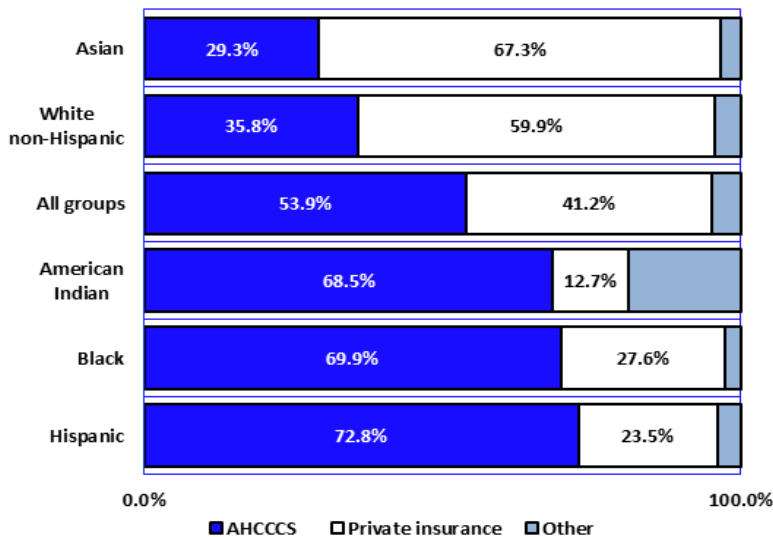
For each of the age groups the AHCCCS share substantially increased since 1989. Below are the proportions of deliveries paid for by AHCCCS in 1989:

- <15 years: 45.3 percent
- 15-19 years: 49.0 percent
- 20-24 years: 34.3 percent
- 25-29 years: 19.4 percent
- 30-34 years: 14.5 percent
- 35-39 years: 13.9 percent
- 40+ years: 14.2 percent.

From 1989 to 2013, the share of births paid for by AHCCCS more than doubled among mothers 20 years old or older.

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

Figure 1B-18
Payee for Delivery by Mother's Race/Ethnicity, Arizona, 2013



In 2013, private insurance was the largest payer for deliveries of Asian (at 67.3 percent) and White non-Hispanic infants (at 59.9 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of Hispanic or Latino (72.8 percent), Black or African American (69.9 percent) and American Indian women (68.5 percent).

The Indian Health Service as a payer accounted for 17.7 percent of deliveries of American Indian or Alaska Native infants in the State (**Figure 1B-18**, based on data in **Table 1B-28**).

Hispanics or Latinos accounted for 52.5 percent of the 45,792 deliveries paid for by AHCCCS. Thirty percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-28**).

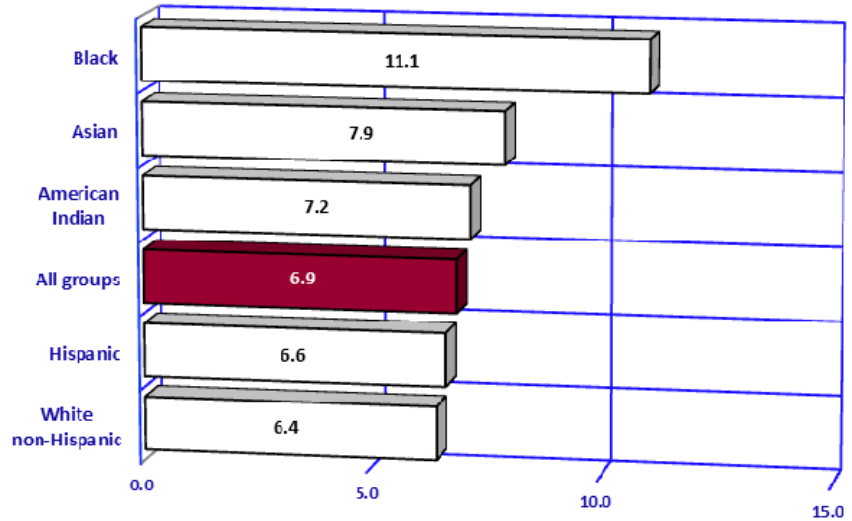
Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; Other includes Indian Health Service, self, or unknown.

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

Figure 1B-19
Percent Low Birthweight^a by Mother's Race/Ethnicity,
Arizona Residents, 2013

In 2013, 6.9 percent of all Arizona infants were born at a low birthweight (LBW), or at less than 2,500 grams (5 pounds 8 ounces).

In Arizona, LBW rates differed by mother's racial/ethnic group. LBW rates were highest for newborns of Black or African American mothers (11.1 percent), Asian or Pacific Islander mothers (7.9 percent), and American Indian mothers (7.2 percent). Newborns of Hispanic or Latino and White non-Hispanic mothers had the lowest LBW rates (6.6 and 6.4 percent respectively; based on data in **Table 1B-26**).

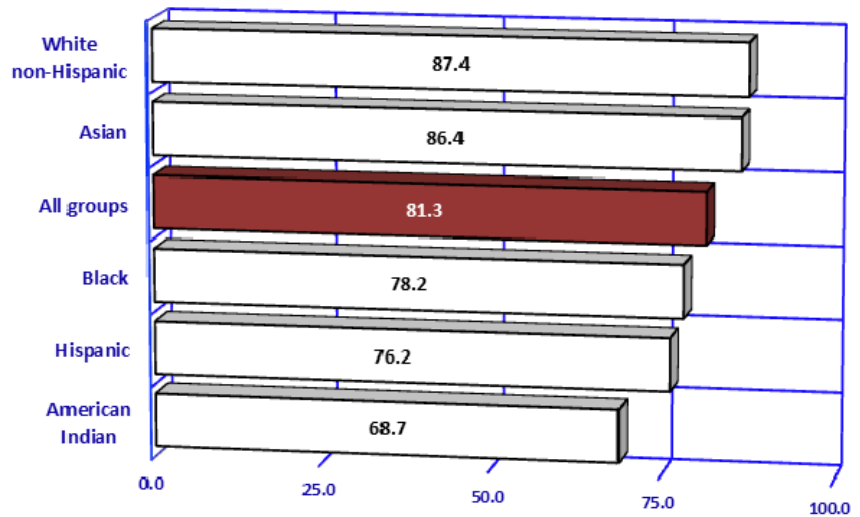


Notes: ^a Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).

Figure 1B-20
First Trimester Prenatal Care by Mother's Race/Ethnicity,
Arizona Residents, 2013

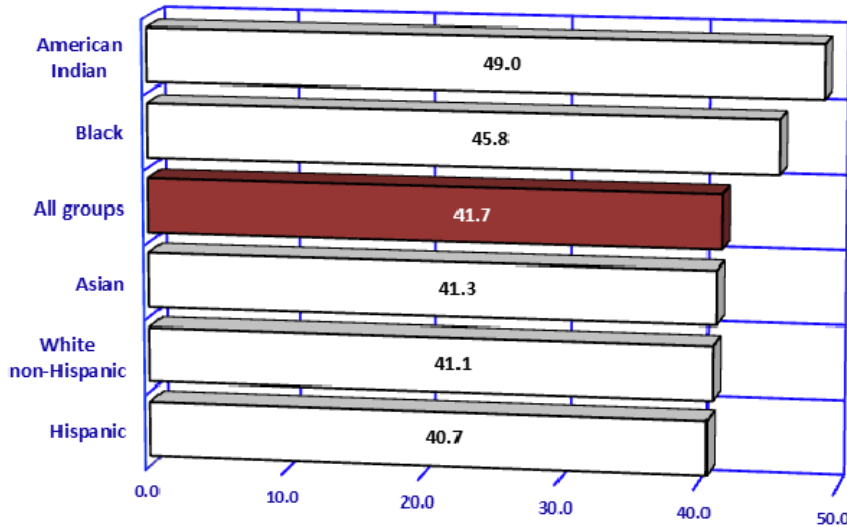
The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) has remained relatively stable from 2008 (79.4 percent) to 2013 (81.3 percent; **Table 1B-2**).

In Arizona, American Indian, Hispanic or Latino, and Black or African American mothers were least likely to begin prenatal care in the first trimester (**Figure 1B-20**). The highest utilization rates of early prenatal care were among White non-Hispanic and Asian or Pacific Islander mothers (based on data in **Table 1B-26**).



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

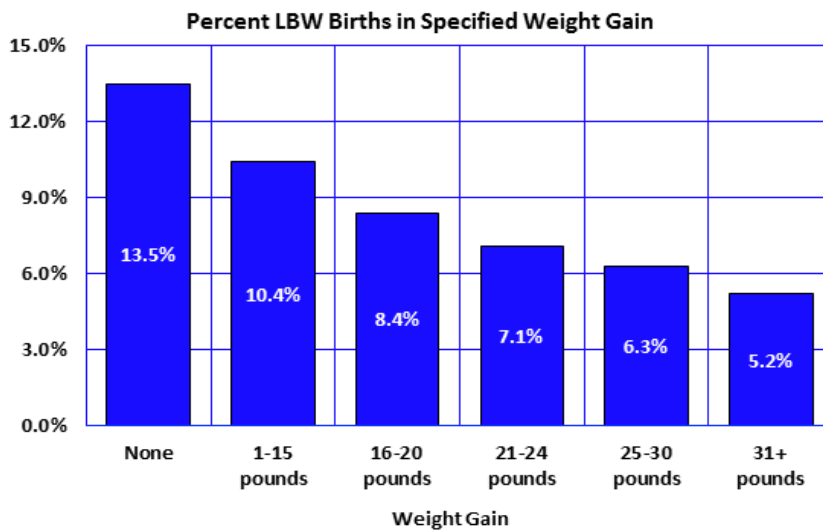
Figure 1B-21
Maternal Medical Risk Factors^a by Mother's Race/Ethnicity, Arizona, 2013



Maternal medical risk factors (such as anemia, diabetes, hypertension, or kidney disease) can contribute to serious pregnancy complications and infant deaths, if not treated properly. In 2013, American Indian or Alaskan Native and Black or African American women giving birth had the highest proportion of medical risk factors (49.0 and 45.8 percent respectively; **Figure 1B-21**).

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

Figure 1B-22
Risk for Low-Birthweight by Maternal Weight Gain during Pregnancy, Arizona, 2013



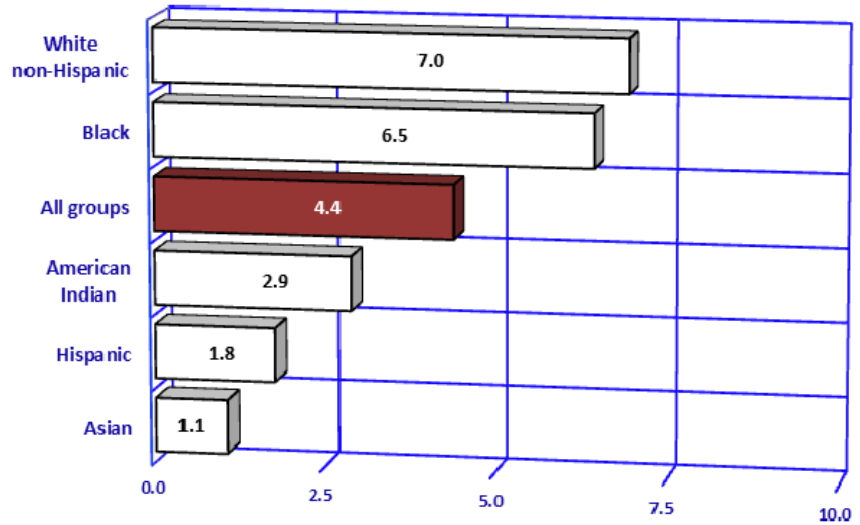
Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively influence outcomes of both mother and infant (see **Figure 2C-4.3**). Women who are of normal weight (average body mass index or BMI) should gain 21-35 pounds during pregnancy. Women who are underweight should gain more (28-40 pounds), and women who are overweight should gain less (15 to 25 pounds). Unfortunately, it is not possible to determine whether weight gain is within the recommendations for the mother's BMI because the mother's pre-pregnancy weight and height is not reported on the birth certificate.

Maternal weight gain has been shown to be correlated with infant birthweight. In 2013, as in previous years, the percent of infants with low birthweight decreased with increasing maternal weight gain (**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, 2013

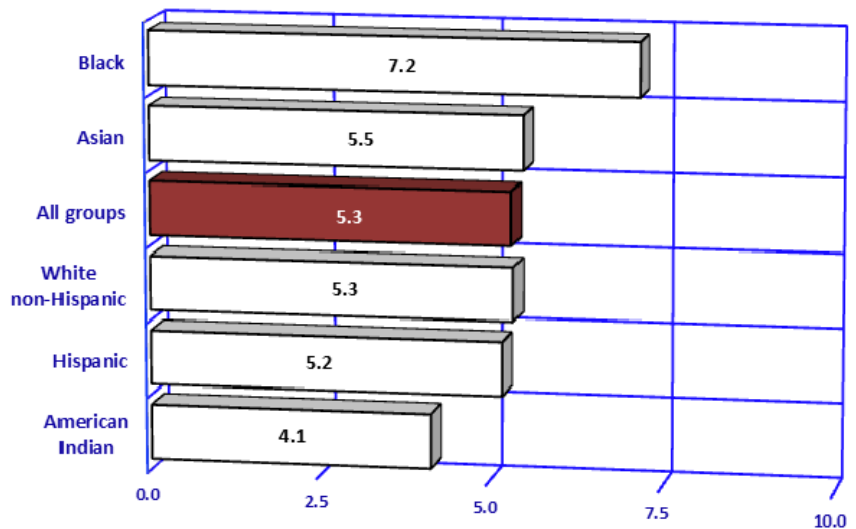
Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation, and preterm births. Smoking during pregnancy was reported by 4.4 percent of women giving birth in 2013 (**Table 1B-26, Table 5B-30**), compared to 10.5 percent in 1989, when this 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 and Black mothers continued to be more likely to report smoking than American Indian, Hispanic, and Asian mothers (**Figure 1B-23**).



Notes: ^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, 2013

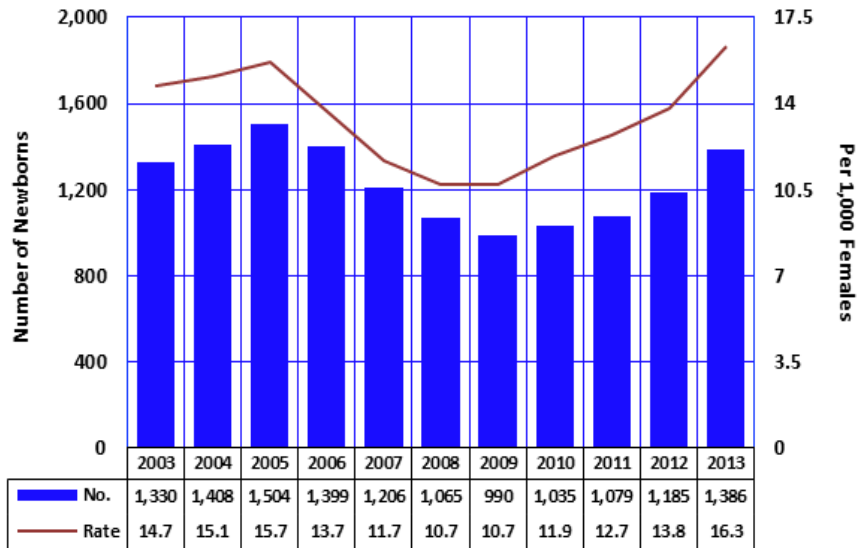
In 2013, 4,515, or 5.3 percent of newborns were admitted to newborn intensive care units (NICUs). Around 49 percent of the NICU admissions were low birthweight (LBW) babies. Prematurity, i.e., gestational age before 37 weeks captured more NICU admissions than did LBW, with 56.7 percent of NICU admissions being premature (based on data in **Table 1B-33**). The proportion of NICU admissions differed among racial/ethnic groups. In 2013, the rate of NICU admissions for Black or African American births was the highest among racial/ethnic groups (7.2 percent; **Table 1B-26**).



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

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

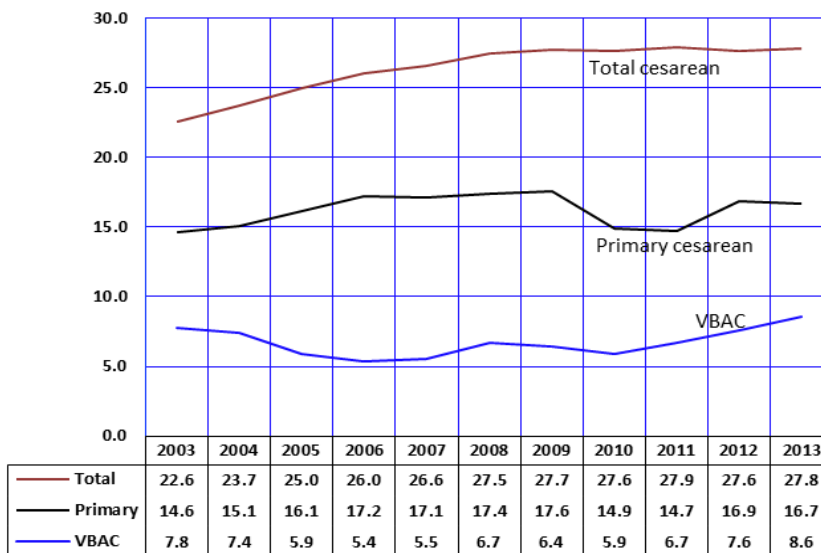
Figure 1B-25
Newborns Who Were Hospitalized after Birth because They Were Affected by Maternal Use of Drugs during Pregnancy, Arizona, 2003-2013



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. Following the four years of decline between 2005 and 2009 in the number of newborns hospitalized after birth due to maternal drug use during pregnancy, the rate increased from 10.7/1,000 in 2009 to 16.3/1,000 in 2013, representing a 52.3 percent increase.

Notes: ^a Rate is the number of newborns admitted to Intensive Care Units per 100 births in specified group.

Figure 1B-26
Total and Primary Cesarean Deliveries^a and Vaginal Births after Previous Cesarean (VBAC)^b, Arizona, 2003-2013



In 2013, 27.8 percent of all resident births were cesarean deliveries (**Figure 1B-26, Table 1B-2**).

The primary cesarean rate in 2013 (16.7 per 100 live births to women who had no previous cesarean) remained relatively unchanged from 2012 to 2013.

The rate of vaginal birth after previous cesarean delivery (VBAC) in 2013 was 45.8 percent greater than the 2010 rate.

Notes: ^a Primary cesarean rate per 100 births with no previous cesarean; ^b Vaginal birth after cesarean rate per 100 births after previous cesarean.

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

Figure 1B-27
Abnormal Conditions of the Newborn by Gestational Age, Arizona, 2013

Since the first year these data were collected, three of the eight specific abnormal conditions listed on the birth certificate have been reported most frequently: *assisted ventilation less than 30 minutes, assisted ventilation of 30 minutes or longer, and hyaline membrane disease/respiratory distress syndrome (RDS)*. *Hyaline membrane disease/RDS* is a common cause of morbidity in preterm infants. The rates of abnormal conditions are the highest among very preterm (less than 32 weeks of gestation) and moderately preterm (32-36 weeks of gestation); **Figure 1B-27**.

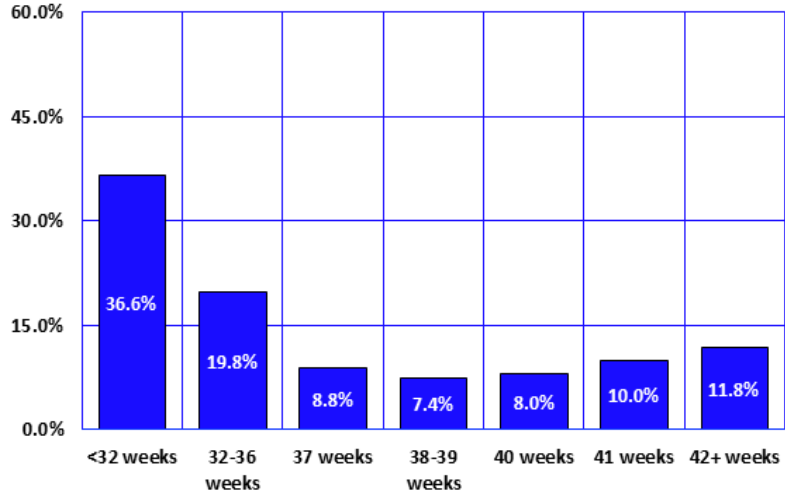
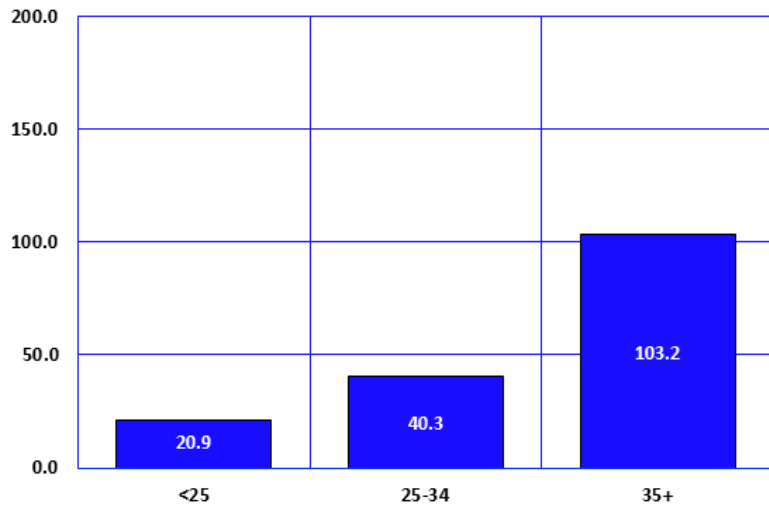


Figure 1B-28
The Incidence of Downs Syndrome by Mother's Age Group, Arizona, 2013

Congenital anomalies (birth defects) are the leading cause 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 2013 as in prior years, the rate of Down's Syndrome, the most frequently recognized cause of mental retardation, was substantially higher for births to mothers aged 35 years and over (**Figure 1B-28, Table 1B-34**). The incidence rate of 103.2 cases of Down's Syndrome per 100,000 births to women 35 years or older was 4.9 times greater than the incidence rate of 20.9 for women aged 24 years or younger.



**TABLE 1B-1
BIRTH RATE^a, GENERAL FERTILITY RATE^b, TOTAL FERTILITY RATE^c,
GROSS REPRODUCTION RATE, AND AGE-SPECIFIC BIRTH RATES^d BY YEAR,
ARIZONA AND UNITED STATES, 2003-2013**

Year	Area	Birth rate	General fertility rate	Total fertility rate ^e	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 years and over
2003	AZ	16.1	76.3	2,330	1,141	1.0	59.2	135.7	126.2	95.6	39.0	8.6	0.6
	U.S.	14.1	66.1	2,043	NA	0.6	41.6	102.6	115.6	95.1	43.8	8.7	0.5
2004	AZ	16.0	75.7	2,309	1,127	0.9	58.2	131.4	125.7	95.7	40.0	9.2	0.6
	U.S.	14.0	66.4	2,046	NA	0.7	41.1	101.7	115.5	95.3	45.4	9.0	0.6
2005	AZ	15.8	74.7	2,278	1,111	0.9	56.5	129.8	125.3	94.5	39.3	8.6	0.6
	U.S.	14.0	66.7	2,054	NA	0.7	40.5	102.2	115.6	95.9	46.3	9.1	0.6
2006	AZ	16.4	80.0	2,392	1,167	0.8	59.6	131.8	132.5	95.6	48.5	9.3	0.3
	U.S.	14.2	68.5	2,101	NA	0.6	41.9	105.9	116.8	97.7	47.3	9.4	0.6
2007	AZ	16.0	78.9	2,364	1,154	0.8	59.5	132.2	124.7	98.6	46.8	9.5	0.7
	U.S.	14.3	69.5	2,122	NA	0.6	42.5	106.3	117.5	99.9	47.5	9.5	0.6
2008	AZ	15.2	74.8	2,236	1,093	0.7	54.9	122.2	119.5	94.2	46.2	9.0	0.6
	U.S.	14.0	68.6	2,084	NA	0.6	41.5	103.0	115.1	99.3	46.9	9.8	0.7
2009	AZ	14.0	68.9	2,058	1,006	0.6	49.1	110.4	110.7	88.6	42.5	8.9	0.8
	U.S.	13.5	66.7	2,007	NA	0.5	39.1	96.3	110.5	97.7	46.5	10.1	0.7
2010	AZ	13.6	68.9	2,058	1,011	0.5	41.6	104.3	116.1	94.4	44.4	9.7	0.7
	U.S.	13.0	64.1	1,931	NA	0.4	34.2	90.0	108.3	96.5	45.9	10.2	0.7
2011	AZ	13.2	67.0	2,001	976	0.5	36.9	101.4	112.3	94.0	44.2	10.3	0.2
	U.S.	12.7	63.2	1,894	NA	0.4	31.3	85.3	107.2	96.5	47.2	10.3	0.7
2012	AZ	13.2	67.2	2,018	984	0.3	35.4	100.1	116.4	94.6	459.0	10.3	0.6
	U.S.	12.6	63.0	1,881	NA	0.4	29.4	83.1	106.5	97.3	48.3	10.4	0.7
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.	12.5	62.9	1,870	NA	0.3	26.6	81.2	106.2	98.7	49.6	10.5	0.8

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) and can be interpreted as the average number of children a group of 50 women are expected to have between the ages of 15 and 50 if they were to survive until age 50. At the individual level, the 2013 TFR of 1,981 indicates that a woman can expect to have around 2 children between the ages of 15 and 50, assuming they experience the same age-specific birth rates as were observed in 2013.

^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 2003-2013.

^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.

TABLE 1B-2
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE
AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX,
BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(ALL RACE/ETHNIC GROUPS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
Age of mother											
≤19 years	12.9	12.7	12.5	12.7	12.6	12.3	11.8	10.8	9.9	9.5	8.5
≥30 years	31.6	32.3	32.2	31.6	32.3	33.1	33.8	35.0	36.1	36.7	37.2
Marital status											
Unmarried	41.2	41.9	42.8	43.9	45.0	45.1	45.2	44.7	44.3	45.2	45.1
Mother's education											
<9 years	9.4	9.3	8.7	8.2	7.8	6.9	6.1	5.3	4.6	4.3	3.8
Mother's race/ethnicity											
White ^a	42.8	42.0	41.4	42.2	41.1	42.3	43.0	44.5	45.0	45.1	45.0
Hispanic	43.1	43.7	44.0	44.0	44.5	43.0	41.4	39.4	38.0	38.7	38.9
Black	3.3	3.4	3.6	3.8	4.1	4.3	4.7	5.0	5.1	5.5	5.6
American Indian	6.5	6.6	6.6	6.2	6.2	6.4	6.7	6.7	6.8	6.5	6.4
Asian or Pacific Islander	4.4	4.2	4.4	3.9	4.0	4.1	4.2	4.4	5.0	4.2	4.1
Prenatal care begin											
1 st Trimester	75.6	76.3	77.7	77.7	77.6	79.4	80.3	81.9	81.7	82.6	81.3
3 rd Trimester	4.3	4.4	3.8	3.7	3.7	3.6	3.4	3.2	3.1	3.2	3.6
No Care	2.9	2.8	2.3	2.4	2.2	1.8	1.8	1.6	1.6	1.2	1.4
Prenatal visits											
1-4	4.3	4.6	4.2	4.0	3.9	3.6	3.5	3.3	3.4	3.6	3.8
≥5	90.2	91.7	93.3	93.5	93.9	94.5	94.5	94.9	94.5	94.9	94.7
≥9	74.6	75.5	76.6	76.4	76.7	77.8	78.9	80.5	80.6	81.3	81.2
≥13	29.8	27.6	25.9	27.5	29.4	29.9	30.0	31.6	33.7	34.6	34.8
Medical risk/											
Complications^b	44.2	44.6	44.7	44.3	45.3	46.5	48.1	49.7	46.3	52.4	55.5
Gestational age^c											
Preterm (<37 weeks)	10.5	11.0	10.7	10.6	10.3	10.2	10.0	9.6	9.3	9.2	9.0
Birth weight											
<2,500 grams	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9
<1,500 grams	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.1
Child's sex											
Male	51.0	51.2	51.2	51.2	51.2	51.1	51.1	50.9	51.2	51.2	51.4
Female	49.0	48.8	48.8	48.8	48.8	48.9	48.9	49.1	48.8	48.8	48.6
Plurality											
Multiple births	2.8	2.9	2.7	2.8	2.7	2.9	2.8	2.9	2.8	2.8	3.0
Caesarean delivery	22.6	23.7	25.0	26.0	26.6	27.5	27.7	27.6	27.9	27.6	27.8
Place of delivery											
Hospital ^d	98.8	98.8	98.9	98.9	99.0	99.0	98.8	98.8	98.5	98.6	98.7
Attendant at birth											
Midwife ^e	6.5	6.7	6.1	5.6	5.7	6.1	6.5	6.6	6.4	7.2	7.4
Previous live births											
1 or more	62.2	62.9	63.0	62.5	63.1	63.3	63.1	63.0	62.6	62.7	63.6

Notes: ^a Non-Hispanic.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery.

^c Physician's estimate.

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

^e 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, ARIZONA, 2003-2013
(ALL RACE/ETHNIC GROUPS)**

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	6,427	6,704	6,640	7,266	7,285	7,026	6,573	6,155	5,949	5,946	5,849
Age of mother											
≤19 years	14.9	14.3	14.2	14.5	14.2	13.2	13.1	12.3	11.6	10.7	8.9
≥30 years	34.7	34.3	33.5	34.3	34.7	35.8	37.4	37.8	37.9	39.4	37.9
Marital status											
Unmarried	45.7	46.5	48.3	48.3	49.2	48.6	48.5	49.4	50.0	51.4	51.3
Mother's education											
<9 years	9.5	8.7	8.3	7.8	7.7	6.3	5.7	4.7	4.5	4.5	4.2
Mother's race/ethnicity											
White ^a	41.6	42.3	41.1	39.8	40.9	41.0	41.5	41.9	43.5	42.1	42.0
Hispanic	41.8	41.2	40.8	42.3	41.5	40.8	38.7	38.1	34.9	37.9	37.6
Black	5.5	5.6	6.6	6.7	7.3	7.2	8.5	8.0	9.2	9.3	8.9
American Indian	6.3	6.6	6.9	6.5	5.8	6.1	6.0	6.6	6.8	6.3	6.7
Asian or Pacific Islander	4.8	4.4	4.7	4.7	4.5	5.0	5.2	5.4	5.7	4.4	4.7
Prenatal care began											
1st Trimester	73.8	75.4	77.4	77.2	77.4	79.5	80.6	81.0	81.2	80.0	78.9
3rd Trimester	3.5	2.9	2.7	2.8	3.1	2.9	2.6	2.7	2.3	2.7	3.4
No Care	5.1	4.5	4.7	4.9	4.5	3.8	3.6	3.2	3.2	2.9	2.9
Prenatal visits											
1-4	8.0	9.3	9.4	8.5	8.2	7.7	7.6	7.5	7.3	8.6	8.2
≥5	82.9	84.7	85.6	86.3	87.1	88.2	88.3	88.8	88.5	87.9	88.5
≥9	58.7	59.8	60.3	60.1	61.2	63.0	64.1	65.2	65.0	65.5	66.4
≥13	26.5	23.9	22.1	21.9	25.1	25.6	25.7	27.1	28.5	26.7	27.7
Medical risks/ Complications^b	64.0	63.8	67.2	65.1	65.9	68.7	70.5	73.3	69.2	73.2	72.5
Gestational age^c											
Preterm (<37 weeks)	70.9	73.3	73.7	72.7	72.3	71.7	71.2	70.2	70.1	71.2	70.2
Birth weight											
<1,500 grams	15.9	16.4	16.9	16.9	16.8	16.5	16.7	15.3	16.8	16.6	15.8
<1,000 grams	7.9	7.9	8.7	7.7	8.1	7.7	8.0	7.1	8.3	8.1	7.4
Child's sex											
Male	48.6	48.0	47.1	47.5	47.9	48.1	47.8	46.5	46.8	48.7	49.3
Female	51.4	52.0	52.9	52.5	52.1	51.9	52.2	53.5	53.2	51.3	50.7
Plurality											
Multiple births	23.4	23.7	22.2	22.5	23.1	23.3	22.1	23.1	22.8	23.0	24.4
Caesarean delivery	41.2	40.8	42.5	43.2	44.2	46.7	46.4	46.5	46.8	47.7	47.6
Place of delivery											
Hospital ^d	99.6	99.6	99.6	99.7	99.6	99.7	99.8	99.6	99.4	99.7	99.7
Attendant at birth											
Midwife ^e	2.8	3.1	2.5	1.9	2.5	2.6	2.3	2.6	2.3	2.5	2.7
Previous live births											
1 or more	58.7	58.1	58.3	59.6	60.5	60.5	59.7	60.3	59.6	61.4	60.5

Notes: ^a Non-Hispanic.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery.

^c Physician's estimate.

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

^e 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, ARIZONA, 2003-2013
(URBAN REGIONS)^a**

Characteristic		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births		77,905	79,951	82,141	87,910	88,266	85,263	79,046	74,624	73,040	74,128	73,493
Age of mother	≤19 years	12.4	12.2	12.0	12.3	12.1	11.7	11.2	10.3	9.4	9.0	8.2
	≥30 years	32.2	33.1	32.9	32.5	33.3	34.1	35.1	36.2	37.4	37.9	38.4
Marital status	Unmarried	40.4	41.1	41.9	43.0	44.3	44.1	44.2	43.6	43.2	44.1	44.1
Mother's education	<9 years	10.1	9.9	9.3	8.8	8.3	7.4	6.5	5.6	4.9	4.7	4.0
Mother's race/ethnicity	White ^b	42.3	41.4	40.8	41.5	40.2	41.5	42.1	44.1	45.0	44.6	44.3
	Hispanic	46.0	46.7	46.9	46.7	47.5	45.8	44.4	42.0	40.5	40.9	41.3
	Black	3.7	3.8	4.0	4.2	4.5	4.8	5.3	5.6	5.7	6.1	6.2
	American Indian	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.7
	Asian or Pacific Islander	4.6	4.6	4.8	4.1	4.3	4.3	4.6	4.7	5.0	4.7	4.5
Prenatal care began	1st Trimester	76.5	77.1	78.4	78.4	78.2	80.4	81.5	83.1	82.5	83.4	82.1
	3rd Trimester	4.2	4.3	3.6	3.5	3.5	3.3	3.0	2.9	2.9	3.1	3.5
	No care	3.1	2.9	2.4	2.4	2.2	1.7	1.9	1.6	1.6	1.2	1.3
Prenatal visits	1-4	3.9	4.3	3.9	3.7	3.5	3.1	3.0	2.9	3.0	3.2	3.5
	≥5	90.5	92.0	93.7	93.7	94.2	95.1	94.9	95.4	94.8	95.3	95.1
	≥9	76.0	76.6	77.4	77.2	77.5	79.1	80.1	81.9	81.8	82.4	82.3
	≥13	30.5	27.7	25.5	27.5	29.6	30.1	30.6	32.1	34.1	35.1	35.3
Medical risks/complications^c		42.2	42.6	42.4	42.8	44.4	46.3	48.6	50.1	47.2	52.5	56.1
Gestational age^d	Preterm (<37 weeks)	10.6	11.0	10.8	10.7	10.3	10.2	10.1	9.7	9.4	9.2	9.1
Birth weight	<2,500 grams	7.0	7.1	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8
	<1,500 grams	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.1
Child's sex	Male	51.1	51.1	51.1	51.2	51.3	51.0	51.3	50.8	51.2	51.2	51.4
	Female	48.9	48.9	48.9	48.8	48.7	49.0	48.7	49.2	48.8	48.8	48.6
Plurality	Multiple births	2.9	3.0	2.8	2.8	2.8	3.0	2.8	3.0	2.9	2.9	3.1
Caesarean delivery		22.8	23.8	25.4	26.0	26.8	27.8	28.1	28.0	28.3	27.9	28.1
Place of delivery	Hospital ^e	99.1	99.1	99.2	99.2	99.3	99.3	99.1	99.0	98.8	98.7	98.7
Attendant at birth	Midwife ^f	5.5	5.7	5.0	4.5	4.6	5.1	5.5	5.4	5.2	6.3	6.3
Previous live births	1 or more	61.9	62.7	62.9	62.3	62.9	63.1	62.9	62.8	62.4	62.6	63.4
Number of LBW births		5,479	5,666	5,630	6,175	6,205	5,974	5,548	5,238	5,065	5,096	5013
Age of mother	≤19 years	14.9	13.6	13.7	14.3	13.7	12.6	12.7	12.1	10.9	10.2	8.8
	≥30 years	34.9	35.5	33.9	35.3	35.9	37.0	38.5	38.8	39.3	40.4	39.3
Marital status	Unmarried	45.0	45.5	47.2	47.2	48.6	47.4	48.1	48.4	49.0	50.1	50.8
Mother's education	<9 years	10.1	9.2	8.9	8.2	8.2	6.7	5.8	5.2	4.9	4.7	4.3
Mother's race/ethnicity	White ^b	40.9	42.0	40.5	39.1	39.6	39.8	40.5	41.1	42.8	41.1	40.9
	Hispanic	44.6	43.6	43.7	44.6	44.2	43.6	40.9	40.5	37.2	40.2	39.8
	Black	6.1	6.3	7.4	7.6	8.3	8.0	9.8	9.1	10.3	10.4	10.2
	American Indian	3.2	3.3	3.5	3.8	3.1	3.2	3.0	3.5	3.4	3.3	4.0
	Asian or Pacific Islander	5.2	4.9	4.9	4.9	4.8	5.5	5.7	5.7	6.3	4.9	5.1
Prenatal care began	1st Trimester	74.7	75.9	78.0	78.1	77.6	80.2	81.3	82.1	81.9	80.5	79.8
	3rd Trimester	3.4	2.9	2.4	2.6	2.9	2.6	2.2	2.4	2.0	2.6	3.3
	No care	5.4	4.7	4.7	4.9	4.5	3.9	3.8	3.0	3.0	2.8	2.7
Prenatal visits	1-4	7.7	9.1	9.3	8.4	8.1	7.3	7.2	7.1	7.0	7.8	7.8
	≥5	83.1	84.8	85.8	86.5	87.3	88.6	88.7	89.5	88.8	88.9	89.1
	≥9	59.3	60.5	60.9	60.6	61.7	63.7	65.0	66.6	65.8	66.5	67.7
	≥13	27.0	24.6	22.1	22.4	25.6	25.7	26.3	28.1	29.1	27.3	28.4
Medical risks/complications^c		62.8	62.7	65.7	64.4	66.0	69.6	71.8	74.6	70.8	74.2	73.7
Gestational age^d	Preterm (<37 weeks)	71.8	74.1	75.0	73.5	72.9	72.7	72.2	70.6	71.2	71.3	70.8
Birth weight	<1,500 grams	16.1	16.6	17.2	17.1	17.1	16.8	17.2	15.3	17.4	16.9	15.9
	<1,000 grams	8.0	8.1	9.0	8.0	8.3	8.0	8.3	7.3	8.7	8.4	7.6
Child's sex	Male	48.3	47.7	46.8	47.1	48.2	47.9	48.0	45.9	47.0	48.6	49.2
	Female	51.7	52.2	53.2	52.9	51.8	52.1	52.0	54.1	53.0	51.4	50.8
Plurality	Multiple births	24.4	25.3	22.9	23.2	24.4	23.9	22.8	24.0	23.3	23.9	25.2
Caesarean delivery		41.7	41.1	43.1	43.4	45.1	47.4	47.2	47.0	47.7	48.7	48.0
Place of delivery	Hospital ^e	99.7	99.7	99.7	99.8	99.7	99.8	99.8	99.7	99.5	99.8	99.8
Attendant at birth	Midwife ^f	2.2	2.4	1.8	1.4	1.9	2.2	1.9	2.1	1.6	2.0	2.2
Previous live births	1 or more	58.6	58.4	58.1	58.9	60.1	59.8	59.7	59.3	59.2	61.2	60.0

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

^b Non-Hispanic.

^c Reported medical risks for this pregnancy and/or complications of labor and delivery.

^d Physician's estimate.

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

^f 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, ARIZONA, 2003-2013
(RURAL REGIONS)^a**

Characteristic		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births		12,848	13,409	13,603	14,083	14,413	13,952	13,570	12,429	12,150	11,597	11,470
Age of mother	≤19 years	15.7	15.5	15.5	14.9	15.8	15.4	15.4	13.9	12.7	12.2	10.6
	≥30 years	27.9	27.3	27.9	26.6	26.2	26.8	26.7	27.9	28.2	29.3	29.4
Marital status	Unmarried	46.0	46.8	48.4	49.2	49.4	51.1	50.7	51.2	51.0	52.4	52.0
Mother's education	<9 years	5.2	5.6	5.4	4.9	4.5	4.0	4.0	3.1	2.5	2.2	2.4
Mother's race/ethnicity	White ^b	45.8	45.7	45.0	46.5	46.6	46.7	48.1	47.2	47.9	48.7	49.1
	Hispanic	25.5	26.1	26.3	26.7	26.6	25.7	24.3	24.4	23.0	24.1	24.0
	Black	1.2	1.1	1.0	1.1	1.1	1.3	1.2	1.2	1.4	1.5	1.3
	American Indian	25.0	25.2	25.4	23.5	23.2	24.4	24.4	25.0	25.7	24.2	24.0
	Asian or Pacific Islander	2.6	1.9	2.2	2.2	2.6	2.0	2.1	2.2	2.0	1.5	1.7
Prenatal care began	1st Trimester	70.0	71.4	73.9	73.5	73.7	72.7	73.3	74.8	77.1	77.7	76.3
	3rd Trimester	4.9	4.8	4.7	4.9	4.8	5.2	5.5	5.3	4.1	4.3	4.1
	No care	1.7	2.1	2.1	1.9	1.9	1.9	1.5	1.8	1.5	1.5	2.2
Prenatal visits	1-4	6.8	6.5	6.1	6.2	6.0	6.8	6.1	5.9	5.7	5.7	5.6
	≥5	88.0	90.1	91.5	91.7	91.9	91.1	92.0	91.8	92.3	92.4	92.0
	≥9	66.6	68.9	72.4	71.1	71.4	69.7	71.5	71.9	73.3	73.9	73.8
	≥13	25.5	26.7	28.0	27.6	27.9	28.8	26.5	28.7	31.2	31.0	31.7
Medical risks/complications^c		56.3	56.6	58.3	53.5	50.7	48.2	45.1	47.9	41.1	52.0	51.8
Gestational age^d	Preterm (<37 weeks)	10.0	10.9	10.0	10.0	10.0	9.7	9.7	9.4	8.8	9.1	8.7
Birth weight	<2,500 grams	7.3	7.7	7.4	7.7	7.5	7.5	7.6	7.4	7.3	7.3	7.3
	<1,500 grams	0.8	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Child's sex	Male	50.6	51.5	51.7	51.0	50.0	51.3	50.3	51.4	51.3	51.2	51.3
	Female	49.4	48.5	48.3	49.0	50.0	48.7	49.7	48.6	48.7	48.8	48.7
Plurality	Multiple births	2.3	2.0	2.3	2.4	2.2	2.4	2.5	2.3	2.6	2.2	2.4
Caesarean delivery		21.4	22.9	23.1	25.8	25.3	26.0	25.4	25.2	25.8	25.7	25.8
Place of delivery	Hospital ^e	97.2	96.8	96.9	97.2	97.3	97.1	96.9	97.2	97.0	98.0	98.2
Attendant at birth	Midwife ^f	12.4	12.6	12.9	12.4	12.5	12.7	12.6	13.4	14.0	13.4	14.2
Previous live births	1 or more	64.3	64.4	64.1	64.3	64.5	64.4	64.3	64.3	63.8	63.3	64.8
Number of LBW births		940	1,030	1,003	1,080	1,080	1,052	1,025	917	884	850	836
Age of mother	≤19 years	17.8	17.8	17.5	16.0	17.2	16.4	15.1	13.1	15.5	13.9	9.7
	≥30 years	33.9	27.6	31.5	28.8	28.1	29.4	31.1	31.7	30.1	32.8	29.9
Marital status	Unmarried	50.3	52.1	54.0	54.9	53.1	55.2	50.6	55.2	55.7	59.1	54.2
Mother's education	<9 years	6.4	6.2	5.4	5.4	4.8	3.9	4.9	2.3	2.3	3.1	3.0
Mother's race/ethnicity	White ^b	45.6	43.8	44.8	43.5	48.0	47.6	46.8	46.6	47.3	48.1	49.2
	Hispanic	26.0	28.2	24.7	29.5	25.8	24.9	26.9	24.1	21.6	24.2	24.4
	Black	2.0	1.7	1.8	1.8	1.8	2.6	1.3	1.4	2.6	2.2	1.4
	American Indian	23.8	24.5	26.2	21.9	21.4	22.7	22.2	24.1	26.2	24.0	22.8
	Asian or Pacific Islander	2.6	1.9	2.5	3.3	3.1	2.2	2.8	3.8	2.3	1.4	2.2
Prenatal care began	1st Trimester	68.7	72.5	74.1	72.0	76.0	75.7	76.7	74.3	77.3	76.5	74.0
	3rd Trimester	3.9	2.4	4.7	4.3	4.2	4.1	4.4	4.0	3.5	3.4	4.2
	No care	3.8	3.5	4.4	5.2	4.5	3.5	2.6	4.4	4.0	3.8	4.1
Prenatal visits	1-4	10.0	10.6	9.9	9.4	9.4	10.2	9.8	9.5	8.7	13.1	10.3
	≥5	81.6	83.7	85.0	84.9	85.9	85.8	86.4	85.1	86.2	82.0	84.7
	≥9	55.3	55.9	57.3	56.8	58.1	59.0	59.2	57.4	60.4	59.2	58.9
	≥13	23.6	20.1	22.1	19.3	22.0	24.9	22.6	21.3	25.2	22.9	23.3
Medical risks/complications^c		71.1	69.3	75.3	69.2	65.1	63.9	63.6	66.1	60.2	67.4	65.4
Gestational age^d	Preterm (<37 weeks)	65.0	69.5	66.1	68.0	68.9	65.9	65.7	67.8	64.0	70.5	66.6
Birth weight	<1,500 grams	14.7	15.2	14.8	15.7	15.3	14.5	14.4	15.3	13.5	14.5	15.7
	<1,000 grams	6.5	6.7	7.1	6.2	7.1	5.7	5.9	6.3	6.0	6.2	6.3
Child's sex	Male	49.8	49.2	48.5	49.8	46.1	49.1	47.0	50.2	45.9	49.2	50.0
	Female	50.1	50.8	51.5	50.2	53.9	50.8	53.0	49.8	54.1	50.8	50.0
Plurality	Multiple births	17.8	15.0	17.8	18.2	15.9	19.8	18.4	17.9	20.5	17.9	19.5
Caesarean delivery		38.2	39.0	38.6	41.6	39.2	42.7	42.0	43.2	41.4	41.8	45.5
Place of delivery	Hospital ^e	99.1	99.1	98.8	99.4	99.3	99.1	99.4	99.2	98.5	98.9	99.2
Attendant at birth	Midwife ^f	6.2	6.5	6.1	5.3	5.6	5.1	4.6	5.3	6.3	5.2	5.7
Previous live births	1 or more	59.3	56.6	59.5	63.1	62.2	64.6	59.8	65.6	62.2	62.4	63.3

Notes: ^a 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.

^b Non-Hispanic.

^c Reported medical risks for this pregnancy and/or complications of labor and delivery.

^d Physician's estimate.

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

^f 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, ARIZONA, 2003-2013
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	38,220
Age of mother											
≤19 Years	7.6	7.1	6.9	7.5	7.3	7.1	6.8	6.2	5.5	5.1	4.7
≥30 Years	39.9	40.3	39.3	37.9	38.5	38.7	39.3	40.4	41.5	42.9	43.2
Marital status											
Unmarried	25.1	24.8	26.1	27.7	28.4	29.5	29.7	29.9	29.5	30.4	30.3
Mother's education											
<9 years	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.1	1.2	1.0	0.8
Prenatal care began											
1st Trimester	86.8	87.3	87.7	86.9	86.5	87.3	87.9	88.2	88.0	88.4	87.4
3rd Trimester	1.9	1.9	1.8	2.0	2.1	1.9	1.9	2.1	1.8	1.8	2.0
No Care	0.6	0.7	0.8	0.9	0.9	0.7	0.7	0.6	0.6	0.6	0.7
Prenatal visits											
1-4	2.3	2.1	2.0	2.0	2.1	2.0	1.8	1.7	1.7	2.0	2.1
≥5	94.0	96.1	97.1	96.9	97.0	97.2	97.3	97.5	97.1	97.1	97.1
≥9	82.8	85.2	85.7	84.9	84.6	85.0	86.4	87.6	86.9	87.3	87.2
≥13	32.1	30.6	29.9	32.4	34.6	34.8	35.0	37.4	39.7	41.2	41.9
Medical risks/ Complications^a	49.2	58.7	48.1	45.4	47.5	47.7	48.1	49.5	46.1	50.6	55.1
Gestational Age^b											
Preterm (<37 weeks)	11.0	11.4	10.9	10.5	10.4	10.1	9.9	9.2	9.1	8.7	8.4
Birth weight											
<2,500 grams	6.9	7.2	6.9	6.7	7.1	6.9	6.9	6.7	6.7	6.5	6.4
<1,500 grams	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	1.0	1.0
Child's sex											
Male	51.2	51.0	51.5	51.3	50.8	51.1	51.2	51.4	51.1	51.3	51.3
Female	48.8	49.0	48.5	48.7	49.2	48.9	48.8	48.6	48.9	48.7	48.7
Plurality											
Multiple births	3.5	3.8	3.4	3.2	3.5	3.6	3.4	3.5	3.5	3.4	3.6
Caesarean delivery	24.2	25.9	27.1	27.9	28.6	29.5	29.5	29.1	29.4	28.7	28.4
Place of delivery											
Hospital ^c	97.9	97.6	97.8	97.9	97.9	97.9	97.6	97.7	97.4	97.4	97.6
Attendant at birth											
Midwife ^d	3.9	3.6	3.1	3.8	3.6	4.0	4.5	4.8	4.9	6.0	6.5
Previous live births											
1 or more	58.9	59.8	59.2	58.9	59.7	59.5	59.4	59.6	59.2	59.6	60.5

Notes: ^a Reported medical risks for this pregnancy and/or complications of la

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	2,672	2,836	2,729	2,891	2,978	2,878	2,727	2,579	2,586	2,505	2,459
Age of mother											
≤19 years	9.5	9.3	8.6	8.6	8.8	7.6	8.7	7.1	6.8	6.5	5.2
≥30 years	44.5	41.9	40.5	41.8	40.9	41.8	43.2	43.6	44.8	45.5	42.5
Marital status											
Unmarried	30.3	30.3	32.7	33.0	34.6	34.1	33.5	34.7	36.2	37.2	36.9
Mother's education											
<9 years	2.0	1.6	1.8	1.8	1.6	1.4	1.1	1.1	1.5	1.4	1.6
Prenatal care began											
1st Trimester	83.4	84.8	86.9	85.6	86.2	86.5	86.8	86.1	86.4	84.2	83.9
3rd Trimester	2.4	1.7	1.6	1.7	1.8	1.7	1.9	2.1	1.4	2.0	2.2
No Care	2.1	1.9	2.1	3.0	2.4	2.1	1.9	2.2	1.7	2.2	1.6
Prenatal visits											
1-4	5.2	5.7	5.8	5.2	5.5	4.7	5.3	4.5	4.5	6.1	5.6
≥5	87.9	90.4	92.0	91.6	92.0	92.9	92.4	92.9	92.5	91.1	92.4
≥9	66.8	69.6	69.7	68.6	70.1	69.8	70.6	74.4	71.5	71.4	70.6
≥13	31.8	29.4	28.1	27.1	31.0	29.9	30.5	34.3	34.6	31.7	33.0
Medical risks/ Complications^a	69.6	66.2	70.9	66.5	68.6	71.5	71.5	73.2	72.2	74.2	75.2
Gestational age^b											
Preterm (<37 weeks)	72.4	76.8	74.3	74.6	74.0	72.9	71.7	69.5	70.9	71.4	70.7
Birth weight											
<1,500 grams	16.5	14.9	15.8	16.1	15.0	15.7	15.5	13.3	16.7	16.1	15.3
<1,000 grams	7.7	7.1	8.4	7.1	6.2	6.8	6.9	5.7	7.6	7.6	6.9
Child's sex											
Male	49.5	47.2	46.2	47.4	46.9	47.0	46.3	45.4	47.1	46.7	49.3
Female	50.5	52.8	53.8	52.6	53.1	53.0	53.7	54.6	52.9	53.3	50.7
Plurality											
Multiple births	29.6	30.3	28.8	28.7	29.6	30.1	26.7	29.2	29.1	28.8	29.7
Caesarean delivery	48.1	46.8	47.9	48.4	49.6	53.2	50.5	51.1	50.9	52.5	49.5
Place of delivery											
Hospital ^c	99.5	99.5	99.6	99.5	99.5	99.4	99.7	99.5	99.2	99.4	99.6
Attendant at birth											
Midwife ^d	1.2	1.4	0.9	0.9	1.2	1.3	1.1	1.1	1.0	1.3	1.7
Previous live births											
1 or more	54.7	54.6	54.3	56.9	57.5	58.3	56.7	58.2	56.2	57.9	56.8

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(HISPANIC OR LATINO MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	33,075
Age of mother											
≤19 years	17.4	17.5	17.1	17.2	17.0	16.8	16.5	15.6	14.3	14.0	12.3
≥30 years	23.6	24.7	25.6	25.5	26.5	27.5	28.4	29.4	29.8	30.2	30.6
Marital status											
Unmarried	52.7	53.9	54.3	55.4	56.7	56.5	56.9	56.2	56.6	57.2	57.1
Mother's education											
<9 years	19.2	18.8	17.5	16.4	15.4	13.9	12.3	10.7	9.3	8.7	7.6
Prenatal care began											
1st Trimester	65.8	67.0	69.5	70.1	70.5	73.4	74.1	76.6	76.5	78.2	76.2
3rd Trimester	6.2	6.3	5.2	5.1	4.9	4.5	4.4	4.1	4.1	4.3	5.0
No Care	4.8	4.5	3.6	3.6	3.2	2.5	2.9	2.6	2.5	1.9	2.1
Prenatal visits											
1-4	5.7	6.4	5.5	5.2	4.9	4.4	4.5	4.2	4.4	4.5	4.8
≥5	87.4	88.4	90.8	91.0	91.8	93.0	92.4	93.0	92.7	93.3	93.0
≥9	68.5	67.9	70.0	70.3	71.2	73.3	73.4	75.0	76.3	77.0	77.0
≥13	28.9	25.8	22.9	23.9	25.7	26.7	26.3	27.2	28.8	29.1	29.0
Medical risks/ Complications^a	38.1	39.3	40.5	41.5	41.4	43.7	46.4	48.0	44.2	52.6	54.6
Gestational age^b											
Preterm (<37 weeks)	9.8	10.3	10.1	10.1	9.8	9.9	9.7	9.5	9.1	9.4	9.3
Birth weight											
<2,500 grams	6.9	6.8	6.4	6.9	6.6	6.7	6.6	6.8	6.4	6.8	6.6
<1,500 grams	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Child's sex											
Male	51.0	51.2	51.1	51.2	51.4	51.0	51.1	50.5	51.4	51.2	51.3
Female	49.0	48.8	48.9	48.8	48.6	49.0	48.9	49.5	48.6	48.8	48.7
Plurality											
Multiple births	2.3	2.2	2.3	2.4	2.2	2.2	2.2	2.3	2.1	2.1	2.4
Caesarean delivery	21.1	21.9	23.5	24.0	24.6	25.7	25.8	25.9	26.1	26.0	26.7
Place of delivery											
Hospital ^c	99.8	99.7	99.7	99.8	99.7	99.8	99.7	99.7	99.6	99.6	99.6
Attendant at birth											
Midwife ^d	5.6	5.9	5.2	4.6	4.9	5.6	6.0	5.7	5.3	6.1	5.9
Previous live births											
1 or more	65.5	65.9	66.7	66.0	66.4	67.4	67.2	66.9	66.6	66.2	67.0

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(HISPANIC OR LATINO MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	2,687	2,759	2,710	3,074	3,021	2,866	2,546	2,342	2,075	2,256	2,199
Age of mother											
≤19 years	21.1	18.9	19.6	20.5	19.4	18.7	18.1	17.1	16.6	15.0	12.9
≥30 years	24.4	26.7	26.6	27.0	28.5	29.0	31.7	32.6	29.3	32.3	31.7
Marital status											
Unmarried	57.0	58.0	59.2	58.6	60.2	58.6	58.7	60.6	61.7	61.9	61.5
Mother's education											
<9 years	19.1	18.2	16.8	15.0	15.7	12.2	12.2	9.5	9.3	8.5	7.2
Prenatal care began											
1st Trimester	65.8	67.2	69.5	71.1	69.7	74.8	75.9	76.7	77.2	76.5	74.8
3rd Trimester	4.0	3.9	3.4	3.6	4.0	3.2	2.7	3.2	2.7	3.2	3.8
No Care	7.5	6.5	6.7	6.4	6.0	4.7	5.2	3.9	4.3	3.7	4.2
Prenatal visits											
1-4	10.0	12.5	12.5	11.0	10.7	9.6	9.5	9.2	9.7	10.6	9.5
≥5	79.3	79.9	80.6	82.3	83.1	85.5	85.0	86.2	85.4	85.4	85.9
≥9	52.5	50.9	52.7	53.5	54.4	58.5	58.2	58.7	59.9	59.9	63.7
≥13	22.2	19.9	16.9	18.6	20.7	22.5	21.3	21.4	23.6	21.9	24.1
Medical risks											
Complications^a	58.5	61.1	63.5	62.4	62.2	67.1	69.0	72.8	66.4	73.8	70.3
Gestational age^b											
Preterm (<37 weeks)	69.7	71.7	74.3	71.5	71.6	72.0	71.1	70.9	71.4	72.0	71.5
Birth weight											
<1,500 grams	15.7	18.2	18.0	18.2	18.2	16.3	17.1	15.6	16.6	16.8	16.7
<1,000 grams	8.2	9.0	9.4	8.6	9.8	7.4	8.4	7.3	8.9	8.2	8.0
Child's sex											
Male	47.7	48.1	47.1	47.2	49.3	48.9	48.5	47.8	46.7	51.1	49.9
Female	52.3	51.9	52.9	52.8	50.7	51.1	51.5	52.2	53.3	48.9	50.1
Plurality											
Multiple births	18.7	19.5	18.9	19.1	19.5	18.3	18.6	18.8	18.1	18.5	21.3
Caesarean delivery	35.3	36.5	38.3	39.8	40.1	41.4	42.6	42.5	44.4	43.3	46.5
Place of delivery											
Hospital ^c	99.8	99.7	99.6	99.9	99.7	99.9	99.9	99.9	99.6	99.8	99.8
Attendant at birth											
Midwife ^d	2.7	2.8	2.5	1.5	2.4	2.9	2.6	3.0	2.4	3.0	2.5
Previous live births											
1 or more	61.4	60.7	60.8	61.2	63.8	62.2	63.0	63.0	62.8	63.9	63.4

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	4,726
Age of mother											
≤19 years	18.2	16.8	16.5	15.6	14.9	15.3	13.8	13.0	12.8	11.5	10.7
≥30 years	23.9	25.7	25.3	26.2	27.0	26.7	28.2	28.3	30.3	30.2	30.6
Marital status											
Unmarried	62.7	62.0	61.9	62.3	61.9	62.6	62.7	63.1	63.6	64.8	63.7
Mother's education											
<9 years	2.6	3.0	4.8	4.6	4.4	5.0	4.4	5.2	4.3	4.3	3.7
Prenatal care began											
1st Trimester	75.7	75.8	76.6	77.4	76.8	77.6	80.3	81.6	80.4	79.9	78.2
3rd Trimester	4.4	4.4	3.4	2.8	3.7	3.7	2.9	3.3	3.0	3.4	4.5
No Care	3.5	3.3	2.6	2.3	2.7	2.1	1.6	1.7	1.6	1.1	1.3
Prenatal visits											
1-4	4.1	4.6	4.5	4.1	4.4	3.7	3.6	4.1	4.0	4.5	4.7
≥5	89.3	91.0	92.7	93.3	92.8	93.9	94.5	94.0	93.4	94.1	93.8
≥9	74.7	75.2	74.4	74.6	75.0	75.4	78.6	78.4	79.1	78.5	79.1
≥13	31.7	28.5	24.6	26.9	28.2	28.5	29.5	30.4	33.6	32.7	31.0
Medical risks											
Complications^a	46.6	44.1	44.4	44.4	46.4	50.3	53.4	56.0	52.0	56.6	57.2
Gestational age^b											
Preterm (<37 weeks)	14.4	14.4	16.4	14.5	14.9	14.0	14.4	12.3	12.7	11.9	11.8
Birth weight											
<2,500 grams	11.7	11.6	12.6	12.7	12.8	11.7	12.8	11.4	12.5	11.7	11.1
<1,500 grams	2.2	2.5	2.5	2.3	2.6	2.6	2.8	2.6	2.5	2.3	2.0
Child's sex											
Male	51.8	51.3	50.5	50.8	51.8	52.4	52.0	50.8	50.5	50.5	51.8
Female	48.2	48.7	49.5	49.2	48.2	47.6	48.0	49.2	49.5	49.5	48.2
Plurality											
Multiple births	3.8	3.4	3.1	3.8	3.6	4.1	4.2	3.3	3.6	4.1	3.7
Caesarean delivery	25.5	25.8	27.4	29.1	30.3	30.5	30.9	30.7	31.1	31.9	31.4
Place of delivery											
Hospital ^c	99.2	99.3	99.5	99.3	99.6	99.4	99.6	99.5	99.3	99.6	99.3
Attendant at birth											
Midwife ^d	3.4	3.5	3.0	2.6	2.4	3.4	3.2	3.4	2.7	3.5	3.9
Previous live births											
1 or more	61.4	63.5	62.3	61.4	63.2	62.7	62.8	62.8	63.0	63.8	64.6

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(BLACK OR AFRICAN AMERICAN MOTHERS)**

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	354	373	435	489	532	503	559	492	546	551	523
Age of mother											
≤19 years	16.9	18.0	16.8	17.0	15.8	16.7	13.8	17.5	13.7	10.2	12.8
≥30 years	24.6	26.8	26.7	29.2	28.2	31.8	30.6	27.6	33.5	32.3	33.8
Marital status											
Unmarried	68.1	68.4	65.7	66.1	66.4	65.2	69.8	72.2	67.9	69.0	72.8
Mother's education											
<9 years	2.5	2.1	6.2	4.3	5.5	4.4	3.2	4.3	2.9	2.9	3.1
Prenatal care began											
1st Trimester	74.0	72.1	75.6	75.9	77.4	77.7	79.4	82.5	80.0	78.8	77.8
3rd Trimester	5.4	3.5	2.3	1.6	3.4	3.4	2.5	1.6	3.1	3.4	3.3
No Care	5.9	6.7	4.4	3.5	3.6	4.4	4.1	2.4	2.4	2.4	3.4
Prenatal visits											
1-4	9.3	9.4	9.0	9.4	9.0	6.8	7.3	9.3	9.5	10.3	8.6
≥5	79.7	82.3	85.5	86.7	87.4	88.5	88.0	87.8	86.3	86.0	87.2
≥9	56.8	59.5	57.7	60.9	60.0	62.0	64.0	60.4	64.1	64.4	66.7
≥13	28.8	24.1	23.4	21.3	22.9	21.3	23.8	26.6	29.3	27.6	25.2
Medical risks											
Complications^a	59.3	61.7	64.1	63.0	67.7	68.4	72.8	74.0	68.7	68.4	70.0
Gestational age^b											
Preterm (<37 weeks)	70.1	71.6	74.3	70.6	70.1	71.6	72.1	68.9	65.6	65.7	66.9
Birth weight											
<1,500 grams	18.4	21.7	20.0	18.2	20.3	22.1	22.2	23.0	20.0	20.0	18.0
<1,000 grams	11.6	10.5	11.0	9.8	10.2	13.1	10.9	12.6	10.8	10.3	10.3
Child's sex											
Male	49.4	47.5	47.1	45.2	47.9	49.7	49.7	42.3	46.0	45.7	47.2
Female	50.6	52.5	52.9	54.6	52.1	50.3	50.3	57.7	54.0	54.3	52.8
Plurality											
Multiple births	19.5	20.1	14.5	18.2	18.6	19.1	22.0	19.7	17.8	21.2	21.4
Caesarean delivery	34.7	36.2	39.3	37.4	43.0	44.9	45.6	43.9	43.4	45.6	42.8
Place of delivery											
Hospital ^c	99.7	98.7	100.0	99.6	100.0	99.8	99.6	99.4	99.8	100.0	99.0
Attendant at birth											
Midwife ^d	2.3	1.6	1.1	1.0	1.1	2.0	1.3	2.0	2.6	0.9	1.9
Previous live births											
1 or more	64.7	63.5	59.8	62.8	64.5	62.8	61.4	59.3	62.5	65.2	61.8

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)**

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	5,476
Age of mother											
≤19 years	19.4	18.7	19.1	19.1	20.1	18.6	19.0	17.0	16.9	16.0	14.2
≥30 years	23.8	24.9	25.4	23.6	24.0	24.0	23.8	24.1	25.0	25.2	26.6
Marital status											
Unmarried	72.4	73.1	72.9	74.8	75.9	75.8	76.9	77.7	77.1	78.5	79.2
Mother's education											
<9 years	3.8	3.9	3.5	3.5	3.0	3.2	2.8	2.8	2.5	2.5	2.4
Prenatal care began											
1st Trimester	68.8	69.0	67.9	65.9	65.9	65.1	66.0	69.4	68.6	68.2	68.7
3rd Trimester	6.0	5.6	6.6	7.0	6.6	7.8	7.4	6.2	6.1	7.0	6.1
No Care	2.4	3.0	3.0	3.5	3.2	3.1	2.1	2.3	2.5	2.0	2.4
Prenatal visits											
1-4	9.3	9.0	9.6	9.7	8.8	9.3	8.6	8.8	9.0	9.1	9.5
≥5	85.7	87.0	87.3	86.5	87.7	87.4	88.9	88.5	87.8	88.4	87.7
≥9	60.9	62.5	63.3	60.5	61.2	59.9	61.5	64.0	62.8	64.0	63.7
≥13	20.4	20.6	19.5	18.3	19.4	18.7	17.9	18.8	19.7	20.7	21.3
Medical risks/ Complications^a	51.4	55.7	55.1	56.5	57.2	54.8	54.3	55.3	53.8	60.4	61.7
Gestational age^b											
Preterm (<37 weeks)	9.8	10.9	10.6	11.7	10.4	9.8	9.6	10.6	9.0	9.7	9.7
Birth weight											
<2,500 grams	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0	6.9	6.7	7.2
<1,500 grams	0.9	0.9	1.1	1.1	1.0	1.1	0.9	1.2	1.3	1.1	1.0
Child's sex											
Male	49.5	51.2	50.9	50.0	50.2	50.1	50.4	50.4	50.7	50.5	51.6
Female	50.5	48.8	49.1	50.0	49.8	49.9	49.6	49.6	49.3	49.5	48.4
Plurality											
Multiple births	1.7	1.7	1.9	1.8	1.4	1.5	1.6	1.8	1.5	1.6	1.8
Caesarean delivery	19.2	19.4	20.6	22.4	22.9	23.1	23.2	22.9	23.1	23.8	24.0
Place of delivery											
Hospital ^c	99.5	99.6	99.5	99.6	99.7	99.7	99.7	99.6	99.6	99.7	99.7
Attendant at birth											
Midwife ^d	31.5	32.3	31.6	28.8	29.3	28.0	27.6	28.6	27.9	27.8	27.6
Previous live births											
1 or more	66.8	67.2	67.5	68.1	66.5	66.9	66.6	67.3	66.5	67.6	68.5

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)**

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	402	441	460	473	426	428	396	406	403	372	393
Age of mother											
≤19 years	15.2	18.6	19.6	19.2	22.8	16.8	18.2	15.3	18.9	18.0	10.2
≤30 years	31.6	28.3	29.8	28.5	28.4	26.6	28.8	29.6	26.8	33.1	29.5
Marital status											
Unmarried	72.9	74.6	73.3	76.5	75.8	80.1	79.3	75.4	81.1	80.9	82.2
Mother's education											
<9 years	6.0	4.5	3.9	4.2	2.1	4.4	2.5	3.0	2.0	3.2	5.1
Prenatal care began											
1st Trimester	65.2	67.1	67.0	63.0	67.4	66.8	65.2	69.7	70.0	69.1	66.9
3rd Trimester	5.7	3.2	4.8	7.0	5.4	6.8	5.8	4.2	4.0	4.3	8.4
No Care	7.5	5.9	8.5	9.5	8.5	7.5	4.3	6.7	6.7	5.9	4.3
Prenatal visits											
1-4	13.2	13.8	13.0	15.0	11.5	16.4	12.1	13.5	11.4	15.1	17.6
≥5	76.6	78.9	77.4	74.8	79.6	75.7	81.8	78.8	79.7	78.2	76.8
≥9	45.5	50.8	50.2	44.4	46.2	44.6	52.0	47.8	47.4	51.6	50.6
≥13	17.4	16.3	15.4	11.4	15.7	16.6	16.9	15.5	13.9	16.4	15.3
Medical risks/ Complications^a	72.9	71.7	72.8	74.8	69.7	66.1	69.4	74.4	65.5	70.2	71.2
Gestational age^b											
Preterm (<37 weeks)	69.7	68.5	70.2	74.2	71.8	71.7	69.7	74.9	69.0	79.0	70.7
Birth weight											
<1,500 grams	13.2	12.7	15.2	15.4	15.3	16.8	14.4	16.7	18.4	16.7	13.7
<1,000 grams	6.2	5.2	6.5	5.5	7.5	7.9	8.1	7.4	9.2	8.9	4.6
Child's sex											
Male	49.0	53.7	51.3	52.0	46.0	45.6	48.2	54.9	46.4	49.2	51.4
Female	51.0	46.3	48.7	48.0	54.0	54.4	51.8	45.1	53.6	50.8	48.6
Plurality											
Multiple births	15.2	13.2	11.7	13.5	11.3	13.3	13.1	15.5	11.7	15.6	12.7
Caesarean delivery	38.3	36.5	36.5	39.3	40.1	39.3	39.4	44.6	34.5	47.3	44.3
Place of delivery											
Hospital ^c	99.3	99.8	98.9	99.8	99.8	99.8	99.5	99.8	99.5	99.7	100.0
Attendant at birth											
Midwife ^d	15.9	16.1	13.3	11.8	14.3	10.7	11.1	11.1	10.7	8.9	11.5
Previous live births											
1 or more	64.4	62.4	66.5	68.1	59.9	66.4	64.1	67.2	64.3	69.6	68.7

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	3,466
Age of mother											
≤19 years	4.2	3.5	3.4	2.9	3.0	3.3	2.6	3.1	3.2	2.2	2.3
≥30 years	51.6	52.8	52.7	53.7	53.9	55.9	55.6	55.9	57.4	57.3	59.2
Marital status											
Unmarried	16.3	15.8	17.0	16.2	17.6	17.4	15.8	17.4	17.3	17.3	16.0
Mother's education											
<9 years	2.2	2.4	1.8	2.4	1.6	2.3	2.2	3.3	3.1	3.1	2.7
Prenatal care began											
1st Trimester	84.2	84.7	86.3	86.1	86.5	86.4	88.1	88.1	86.5	87.1	86.4
3rd Trimester	2.6	3.1	1.9	2.1	2.1	3.1	1.9	2.3	2.3	2.0	2.9
No Care	1.6	1.5	1.0	1.2	1.5	1.3	1.3	1.2	1.0	0.7	0.7
Prenatal visits											
1-4	2.9	2.9	2.5	2.0	1.8	2.4	2.1	1.9	2.3	2.4	2.6
≥5	92.5	94.9	96.4	96.5	96.6	96.2	96.4	96.7	96.2	96.8	96.6
≥9	80.5	82.3	84.1	82.7	83.9	83.2	85.6	86.7	84.2	86.2	85.6
≥13	26.2	24.6	25.8	30.3	35.3	33.5	35.6	36.0	37.9	37.2	39.2
Medical risks/ Complications^a	44.8	47.1	45.0	43.5	45.4	46.4	48.1	51.5	47.4	52.9	57.4
Gestational age^b											
Preterm (<37 weeks)	10.8	11.0	10.2	10.4	9.6	10.0	10.0	9.9	9.0	8.4	8.9
Birth weight											
<2,500 grams	8.5	8.0	8.0	8.5	8.0	9.1	8.8	8.5	8.3	7.2	7.9
<1,500 grams	1.5	1.1	1.2	1.1	1.0	1.5	1.5	1.4	1.1	0.8	1.1
Child's sex											
Male	50.8	52.5	50.7	52.2	53.2	51.3	51.7	50.7	52.4	52.1	51.4
Female	49.2	47.5	49.3	47.8	46.8	48.7	48.3	49.3	47.6	47.9	48.6
Plurality											
Multiple births	3.2	2.4	2.0	2.7	2.3	3.6	2.9	2.5	3.3	2.5	3.2
Caesarean delivery	25.6	26.5	28.1	30.5	30.0	32.0	32.6	32.8	33.0	32.1	33.2
Place of delivery											
Hospital ^c	99.2	99.3	99.5	99.4	99.5	99.4	99.4	99.6	99.3	99.2	99.1
Attendant at birth											
Midwife ^d	2.9	2.8	2.3	2.1	1.7	2.7	3.0	2.8	3.1	4.0	3.3
Previous live births											
1 or more	53.0	53.8	54.4	53.3	54.5	52.9	54.8	55.5	54.6	55.5	56.2

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d 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, ARIZONA, 2003-2013
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	215	210	223	268	272	311	299	280	292	262	275
Age of mother											
≤19 years	1.4	6.2	3.6	1.1	2.2	3.5	3.3	5.4	5.1	5.0	1.5
≤30 years	60.5	51.9	50.2	53.7	55.5	59.5	54.8	52.1	58.6	64.9	66.2
Marital status											
Unmarried	14.4	20.0	22.4	18.7	16.9	21.5	20.4	18.9	18.2	18.3	12.4
Mother's education											
<9 years	2.3	1.9	1.3	3.0	1.1	2.6	1.7	3.2	4.1	3.8	3.6
Prenatal care began											
1st Trimester	83.7	87.6	83.9	87.7	83.8	82.6	87.0	84.3	83.9	87.8	86.9
3rd Trimester	1.9	2.4	3.6	1.5	1.5	3.5	3.0	2.9	2.1	0.4	3.6
No Care	3.3	1.9	2.7	3.0	3.7	4.2	2.0	1.4	2.7	0.8	0.7
Prenatal visits											
1-4	5.6	6.7	7.2	3.7	4.0	7.7	7.4	6.8	4.8	2.3	6.2
≥5	87.0	90.0	89.7	92.9	92.3	88.1	90.0	91.4	92.5	96.9	93.1
≥9	66.5	67.1	67.3	68.7	67.6	69.8	72.6	70.7	72.9	78.6	73.5
≥13	31.2	19.0	22.4	22.8	29.4	34.1	34.4	27.1	30.8	32.8	31.6
Medical risks/ Complications^a	55.8	59.5	67.7	67.9	66.5	61.1	70.2	74.3	68.8	72.5	73.8
Gestational age^b											
Preterm (<37 weeks)	69.3	60.0	65.9	67.2	68.0	60.5	66.2	65.4	64.7	63.0	61.1
Birth weight											
<1,500 grams	18.1	13.8	15.7	13.4	12.9	16.1	17.4	16.4	12.7	11.5	13.5
<1,000 grams	7.4	9.0	5.8	5.2	4.8	9.3	8.7	7.9	6.2	5.3	6.2
Child's sex											
Male	46.0	45.7	47.1	49.3	47.4	51.8	50.2	45.0	46.9	52.7	46.5
Female	54.0	54.3	52.9	50.7	52.6	48.2	49.8	55.0	53.1	47.3	53.5
Plurality											
Multiple births	28.4	21.4	19.7	19.0	21.7	26.7	22.4	18.9	25.7	20.2	23.6
Caesarean delivery	47.9	38.1	46.6	44.4	40.4	49.8	51.5	45.4	51.4	44.3	53.1
Place of delivery											
Hospital ^c	100.0	100.0	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0
Attendant at birth											
Midwife ^d	0.5	1.4	0.4	1.9	1.1	2.6	1.7	1.1	0.3	2.7	2.2
Previous live births											
1 or more	47.9	51.4	55.6	50.0	47.1	51.8	48.8	49.6	55.5	53.1	56.4

Notes: ^a Reported medical risks for this pregnancy and/or complications of labor and delivery.

^b Physician's estimate.

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

^d Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-16
SINGLE AND PLURAL LIVE BIRTHS BY BIRTHWEIGHT, ARIZONA RESIDENTS, 2003-2013**

Weight in grams	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Under 1000, total	510	531	579	559	589	538	523	439	496	480	433
Single	393	434	452	413	450	419	431	346	379	383	332
Plural	117	97	127	146	139	119	92	93	117	97	101
1,000-1,499, total	514	569	540	670	634	618	577	505	505	506	494
Single	369	426	404	469	452	431	420	386	374	387	341
Plural	144	143	136	201	182	187	157	119	131	119	153
1,500-1,999, total	1,295	1,309	1,254	1,425	1,362	1,360	1,211	1,194	1,131	1,197	1,152
Single	913	882	909	979	935	944	835	823	794	814	830
Plural	382	427	345	446	427	416	376	371	337	383	322
2,000-2,499, total	4,108	4,295	4,267	4,612	4,700	4,510	4,262	4,017	3,817	3,763	3,770
Single	3,243	3,370	3,397	3,771	3,762	3,598	3,432	3,178	3,043	2,994	2,920
Plural	863	925	870	841	938	912	830	839	774	769	850
2,500-3,999, total	76,777	79,390	81,676	86,943	87,739	84,904	79,423	74,680	72,777	73,096	72,494
Single	75,685	78,324	80,530	85,755	86,631	83,674	78,297	73,596	71,741	72,085	71,377
Plural	1,063	1,066	1,146	1,188	1,108	1,230	1,126	1,084	1,036	1,011	1,117
4,000 and over, total	7,440†	7,270†	7,460†	7,820†	7,640†	7,270†	6,601	6,200†	6,450†	6,680†	6,540†
Single	7,434	7,266	7,462	7,817	7,634	7,267	6,601	6,194	6,450	6,674	6,537
Plural	*	*	*	*	*	*	0	*	*	*	*
All weights, total^a	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
Single	88,167	90,732	93,173	99,216	99,889	96,347	90,034	84,535	82,793	83,342	82,415
Plural	2,580†	2,660†	2,630†	2,830†	2,800†	2,870†	2,582	2,510†	2,400†	2,380†	2,550†

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, 2003-2013**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2003	7,526	6,842	7,285	7,105	7,375	7,096	7,932	8,209	8,207	8,068	7,221	7,917	90,783
Percent	8.3	7.5	8.0	7.8	8.1	7.8	8.7	9.0	9.0	8.9	8.0	8.7	100.0
2004	7,570	7,191	7,742	7,196	7,231	7,305	8,005	8,174	8,585	8,346	8,014	8,037	93,396
Percent	8.1	7.7	8.3	7.7	7.7	7.8	8.6	8.8	9.2	8.9	8.6	8.6	100.0
2005	7,700	7,146	7,946	7,515	7,583	7,802	8,286	8,746	8,712	8,058	7,926	8,378	95,798
Percent	8.0	7.5	8.3	7.8	7.9	8.1	8.6	9.1	9.1	8.4	8.3	8.7	100.0
2006	8,089	7,614	8,371	7,724	8,088	8,311	8,897	9,265	9,166	9,140	8,618	8,759	102,042
Percent	7.9	7.5	8.2	7.6	7.9	8.1	8.7	9.1	9.0	9.0	8.4	8.6	100.0
2007	8,659	7,721	8,324	7,885	8,207	8,341	9,011	9,396	9,077	9,101	8,388	8,577	102,687
Percent	8.4	7.5	8.1	7.7	8.0	8.1	8.8	9.2	8.8	8.9	8.2	8.4	100.0
2008	8,656	8,158	8,094	7,694	8,124	7,677	8,783	8,779	8,760	8,411	7,740	8,339	99,215
Percent	8.7	8.2	8.2	7.8	8.2	7.7	8.9	8.8	8.8	8.5	7.8	8.4	100.0
2009	7,784	7,333	8,069	7,371	7,464	7,377	8,060	8,194	8,097	7,872	7,267	7,728	92,616
Percent	8.4	7.9	8.7	8.0	8.1	8.0	8.7	8.8	8.7	8.5	7.8	8.3	100.0
2010	7,342	6,812	7,521	6,886	6,989	6,982	7,153	7,637	7,977	7,331	7,038	7,378	87,053 ^a
Percent	8.4	7.8	8.6	7.9	8.0	8.0	8.2	8.8	9.2	8.4	8.1	8.5	100.0
2011	7,127	6,500	7,254	6,498	6,678	7,086	7,222	7,688	7,750	7,361	6,987	7,039	85,190
Percent	8.4	7.6	8.5	7.6	7.8	8.3	8.5	9.0	9.1	8.6	8.2	8.3	100.0
2012	7,006	6,732	7,100	6,603	6,777	6,725	7,368	7,772	7,689	7,629	7,101	7,223	85,725
Percent	8.2	7.9	8.3	7.7	7.9	7.8	8.6	9.1	9.0	8.9	8.3	8.4	100.0
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

Note: ^a Includes 7 records where month of birth is missing.

**TABLE 1B-18
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2013**

	TOTAL	Month of birth											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	84,963	7,090	6,414	7,083	6,694	6,681	6,685	7,337	7,436	7,538	7,515	7,130	7,360
1	2,709	157	262	245	213	221	189	251	270	182	267	255	197
2	2,708	216	211	206	251	267	142	278	262	171	260	202	242
3	2,776	242	167	186	253	243	218	253	196	262	291	192	273
4	2,853	283	204	249	245	190	242	211	160	264	276	259	270
5	2,818	207	246	281	236	152	228	220	238	282	208	253	267
6	2,631	183	233	212	181	204	226	177	252	269	179	265	250
7	2,764	239	263	279	162	255	226	167	253	205	246	258	211
8	2,873	258	264	253	236	235	191	223	281	176	295	272	189
9	2,805	249	214	207	244	235	172	259	243	280	259	190	253
10	2,756	256	160	163	259	239	231	260	197	287	279	174	251
11	2,889	254	246	266	224	155	250	273	184	260	263	241	273
12	2,911	181	255	223	269	179	224	262	238	301	221	294	264
13	2,767	193	258	239	183	236	245	206	258	270	175	266	238
14	2,882	247	280	256	170	236	241	208	272	224	248	289	211
15	2,837	254	239	258	235	260	195	255	276	186	249	252	178
16	2,730	230	172	179	242	224	159	252	279	284	262	189	258
17	2,753	244	204	168	214	230	225	248	204	287	263	185	281
18	2,901	254	226	261	232	176	245	282	172	288	261	255	249
19	2,935	175	248	260	236	168	262	271	261	295	190	282	287
20	2,857	191	249	246	212	220	270	207	244	278	191	260	289
21	2,822	229	245	262	184	242	232	194	276	242	236	269	211
22	2,882	246	260	225	261	226	195	254	240	230	259	296	190
23	2,869	246	195	189	247	267	180	269	266	252	273	211	274
24	2,678	254	162	191	230	226	253	256	184	279	265	185	193
25	2,844	273	232	234	221	198	255	264	185	273	271	277	161
26	2,825	199	242	234	255	149	260	256	248	300	199	253	230
27	2,657	173	247	246	189	152	263	183	251	279	157	265	252
28	2,623	212	230	268	156	204	253	175	269	196	270	177	213
29	2,533	243		255	217	243	221	229	278	188	272	199	188
30	2,590	278		207	237	234	192	260	288	248	208	165	273
31	1,485	224		135		215		234	211		222		244

**TABLE 1B-19
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2013**

Father's age group	Mother's age group										TOTAL	
	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known		
<15	*	*	*	*	0	*	0	0	0	0	0	10†
15-17	16	401	185	34	0	*	*	0	0	0	0	640†
18-19	6	495	1,163	484	47	*	*	*	*	0	0	2,210†
20-24	*	284	2,001	8,739	1,491	269	67	*	0	0	0	12,860†
25-29	0	26	373	6,060	10,583	2,192	385	60	*	0	0	19,680†
30-34	0	6	81	1,667	7,402	9,136	1,640	170	*	0	0	20,110†
35-39	0	*	14	404	1,871	4,963	3,839	428	18	*	0	11,540†
40-44	0	0	10	151	594	1,464	1,988	745	33	*	0	4,986
45-49	0	0	7	59	188	406	541	305	39	0	0	1,545
50-54	0	0	*	20	57	126	170	104	30	*	0	510†
55+	0	*	*	10	20	28	71	44	17	0	0	190†
Unknown	47	765	1,328	3,833	2,413	1,378	691	209	22	*	0	10,691
TOTAL	70†	1,990†	5,170†	21,460†	24,666	19,970†	9,400†	2,070†	170†	10†	0	84,963

**TABLE 1B-20
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2013**

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	28,627	4,058	485	431	856	34,457
Hispanic or Latino	4,324	22,165	268	651	231	27,639
Black or African American	1,208	1,005	2,681	153	131	5,178
American Indian or Alaska Native	374	365	45	3,101	22	3,907
Asian or Pacific Islander	616	242	32	44	2,093	3,027
Unspecified other/unknown race	3,071	5,240	1,215	1,096	133	10,755
TOTAL	38,220	33,075	4,726	5,476	3,466	84,963

**TABLE 1B-21
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2013**

Father's education	Mother's education							TOTAL
	<8	8	9-11	12	13-16	17+	Unknown	
<8	771	145	529	393	176	35	*	2,051
8	95	191	257	383	165	11	*	1,104
9-11	337	252	3,646	2,957	1,331	77	9	8,609
12	245	257	3,156	12,992	7,625	695	32	25,002
13-16	119	68	873	4,684	18,913	3,604	22	28,283
17+	30	7	47	462	3,795	4,000	6	8,347
Unknown	298	420	3,183	4,355	2,679	203	429	11,567
TOTAL	1,895	1,340	11,691	26,226	34,684	8,625	502	84,963

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; (502) cases were missing mother's education, (11,567) cases were missing father's education.

**TABLE 1B-22
RESIDENT BIRTHS BY MOTHER'S RACE AND HISPANIC OR LATINO ORIGIN BY YEAR, ARIZONA, 2003-2013**

Mother's race/ethnicity	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total resident births, all groups	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
White non-Hispanic or Latino	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	38,220
Hispanic or Latino, total	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	33,075
Mexican	37,322	38,823	39,946	42,870	43,587	40,004	36,680	32,374	30,954	31,360	31,037
Puerto Rican	273	297	321	254	388	327	351	316	400	342	363
Cuban	63	53	66	65	93	80	81	87	104	96	124
Other Central or South American	784	875	1,013	1,212	1,204	1,124	981	971	940	1,003	1,139
Other Hispanic	659	774	810	461	459	1,104	269	585	0	345	412
Black or African American	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	4,726
American Indian or Alaska Native	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	5,476
Asian or Pacific Islander, total	2,524	85,725	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	3,466
Chinese	156	165	170	198	188	192	160	165	159	214	210
Japanese	71	50	68	75	65	52	51	48	52	39	51
Hawaiian	63	61	59	53	67	68	57	56	71	64	72
Filipino	327	318	348	354	429	372	368	383	351	345	381
Other Asian or Pacific Islander	1,907	2,020	2,160	2,456	2,663	2,741	2,760	2,641	2,872	2,963	2,752
Unknown (includes unspecified other)	1,413	1,353	1,437	803	755	563	529	507	797	NA	NA

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-23
TOTAL BIRTHS AND RATIOS OF BIRTH BY MOTHER'S MARITAL STATUS,
AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2013**

			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	45,605	0	62	658	7,076	14,928	14,543	6,834	1,390	110	*
		Percent	53.7%	0.0%	3.1%	12.7%	33.0%	60.5%	72.8%	72.7%	67.1%	66.7%	**
	Unmarried	Count	38,352	71	1,922	4,492	14,175	9,429	5,185	2,419	618	37	*
		Percent	45.1%	100.0%	96.8%	87.0%	66.0%	38.2%	26.0%	25.7%	29.8%	22.4%	**
	Other ^a	Count	1,010†	0	*	16	213	309	241	144	63	18	*
		Percent	1.2%	0.0%	**	0.3%	1.0%	1.3%	1.2%	1.5%	3.0%	10.9%	**
	TOTAL	Count	84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	165	9
		Percent	100.0%	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	26,156	0	11	201	3,458	8,849	8,933	3,909	734	57	*
		Percent	68.4%	0.0%	3.0%	14.3%	43.6%	73.9%	83.2%	83.0%	74.4%	65.5%	**
	Unmarried	Count	11,564	8	353	1,203	4,362	2,966	1,703	736	216	14	*
		Percent	30.3%	100.0%	96.7%	85.4%	55.0%	24.8%	15.9%	15.6%	21.9%	16.1%	**
	Other	Count	500†	0	*	*	116	157	103	65	37	16	*
		Percent	1.3%	0.0%	**	**	1.5%	1.3%	1.0%	1.4%	3.7%	18.4%	**
	TOTAL	Count	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	87	8
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hispanic or Latino	Married	Count	13,802	0	45	400	2,927	4,368	3,672	1,947	409	34	0
		Percent	41.7%	0.0%	3.6%	14.3%	29.4%	49.0%	59.6%	61.0%	56.3%	73.9%	0.0%
	Unmarried	Count	18,886	47	1,199	2,379	6,940	4,437	2,388	1,186	297	12	*
		Percent	57.1%	100.0%	96.4%	85.3%	69.8%	49.7%	38.8%	37.1%	40.9%	26.1%	**
	Other	Count	387	0	0	10	80	117	100	60	20	0	0
		Percent	1.2%	0.0%	0.0%	0.4%	0.8%	1.3%	1.6%	1.9%	2.8%	0.0%	0.0%
	TOTAL	Count	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**
Black or African American	Married	Count	1,680†	0	*	27	277	520	520	262	63	8	0
		Percent	35.5%	0.0%	**	7.1%	18.9%	39.8%	56.6%	61.6%	64.9%	100.0%	0.0%
	Unmarried	Count	3,010	6	120	352	1,181	776	388	156	31	0	0
		Percent	63.7%	100.0%	98.4%	92.9%	80.7%	59.4%	42.3%	36.7%	32.0%	0.0%	0.0%
	Other	Count	40†	0	0	0	6	11	10	7	*	0	0
		Percent	0.8%	0.0%	0.0%	0.0%	0.4%	0.8%	1.1%	1.6%	**	0.0%	0.0%
	TOTAL	Count	4,726	6	122	379	1,464	1,307	918	425	97	8	0
		Percent	100.0%	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	1,080†	0	*	15	225	348	305	143	37	*	0
		Percent	19.6%	0.0%	**	2.9%	12.7%	23.7%	33.0%	34.0%	37.4%	**	0.0%
	Unmarried	Count	4,336	8	242	508	1,544	1,102	598	268	59	7	0
		Percent	79.2%	100.0%	99.6%	96.9%	86.8%	75.0%	64.7%	63.8%	59.6%	63.6%	0.0%
	Other	Count	60†	0	0	*	9	19	21	9	*	*	0
		Percent	1.2%	0.0%	0.0%	**	0.5%	1.3%	2.3%	2.1%	**	**	0.0%
	TOTAL	Count	5,476	8	243	524	1,778	1,469	924	420	99	11	0
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
Asian or Pacific Islander	Married	Count	2,890†	0	*	15	189	843	1,113	573	147	9	0
		Percent	83.4%	0.0%	**	22.7%	55.8%	84.6%	90.6%	88.3%	90.7%	69.2%	0.0%
	Unmarried	Count	560†	*	8	50	148	148	108	73	15	*	0
		Percent	16.0%	**	72.7%	75.8%	43.7%	14.9%	8.8%	11.2%	9.3%	**	0.0%
	Other	Count	20†	0	0	*	*	*	7	*	0	0	0
		Percent	0.5%	0.0%	0.0%	**	**	**	0.6%	**	0.0%	0.0%	0.0%
	TOTAL	Count	3,470†	*	11	66	339	996	1,228	649	162	13	0
		Percent	100.0%	**	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 May include the following: "Refused", "Yes, divorced" and "Unknown".

**TABLE 1B-24
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF
PREVIOUS LIVE BIRTHS, ARIZONA, 2013**

	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	84,963	70†	1,990†	5,170†	21,464	24,666	19,969	9,397	2,071	165	10†
	None	30,902	68	1810	4034	10135	7817	4844	1779	373	38	*
	1	25,170†	*	158	951	7163	7935	5980	2442	489	46	*
	2	15,354	0	13	158	3000	5179	4419	2124	428	32	*
	3	7,627	0	0	18	874	2333	2632	1461	302	6	*
	4 or more	5,870†	0	*	*	280	1389	2087	1588	477	42	*
	Unknown	50†	0	*	*	12	13	7	*	*	*	*
White non- Hispanic	TOTAL	38,220	10†	365	1,410†	7,936	11,972	10,739	4,710	987	90†	10†
	None	15,079	7	351	1190	4328	4680	3132	1133	230	24	*
	1	11,950†	*	13	192	2496	3942	3554	1422	298	28	*
	2	6,353	0	0	21	866	2177	2093	989	188	18	*
	3	2,880†	0	0	*	186	823	1186	572	107	*	*
	4 or more	1,937	0	0	0	53	344	769	592	164	14	*
	Unknown	20†	0	*	0	7	6	*	*	0	*	0
Hispanic or Latino	TOTAL	33,075	50†	1,240†	2,790†	9,947	8,922	6,160	3,193	726	50†	1
	None	10,913	45	1121	2119	4244	1995	947	347	87	8	0
	1	9,310†	*	111	565	3516	2888	1530	583	109	9	0
	2	6,648	0	10	91	1548	2259	1736	841	154	9	0
	3	3,540†	0	0	11	493	1085	1096	706	140	*	0
	4 or more	2,650†	0	*	*	143	689	849	716	234	16	0
	Unknown	20†	0	*	*	*	6	*	0	*	0	*
Black or African American	TOTAL	4,726	6	120†	380†	1,464	1,307	918	425	97	10†	0
	None	1,670†	6	108	288	667	320	182	88	8	*	0
	1	1,330†	0	12	73	462	415	230	104	26	*	0
	2	840†	0	*	15	229	271	212	91	25	0	0
	3	430†	0	0	*	75	167	119	56	15	0	0
	4 or more	450†	0	0	0	30	134	175	85	23	*	0
	Unknown	10†	0	*	*	*	0	0	*	0	0	0
American Indian or Alaska Native	TOTAL	5,476	8	240†	520†	1,778	1,469	924	420	100†	10†	0
	None	1,720†	8	220	382	681	268	120	38	*	*	0
	1	1,360†	0	21	111	608	379	164	66	13	*	0
	2	1,070†	0	*	30	326	390	219	81	18	*	0
	3	600†	0	0	*	112	226	165	74	21	0	0
	4 or more	722	0	0	0	51	205	256	161	42	7	0
	Unknown	0†	0	0	0	0	*	0	0	0	0	0
Asian or Pacific Islander	TOTAL	3,470†	0†	10†	70†	340†	996	1,228	649	162	10†	0
	None	1,520†	*	10	55	215	554	463	173	43	*	0
	1	1,220†	0	*	10	81	311	502	267	43	*	0
	2	440†	0	0	*	31	82	159	122	43	*	0
	3	178	0	0	0	8	32	66	53	19	0	0
	4 or more	110†	0	0	0	*	17	38	34	14	*	0
	Unknown	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
CHANGES FROM 2003 TO 2013 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH
BY AREA AND RACE/ETHNICITY**

Characteristics ^a	Urban ^b		Rural		White non-Hispanic		Hispanic or Latino		Black or African American		American Indian or Alaska Native		Asian or Pacific Islander								
	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change						
Number of births	77,905	73,493	-5.7	12,848	11,470	-10.7	38,842	38,220	-1.6	39,101	33,075	-15.4	3,022	4,726	56.4	5,881	5,476	-6.9	2,524	3,466	37.3
Per 100 births:																					
Teenage mother^c	12.4	8.2	-34.0	15.7	10.6	-32.7	7.6	4.7	-38.7	17.4	12.3	-29.1	18.2	10.7	-41.1	19.4	14.2	-27.0	4.2	2.3	-45.7
Unwed mother	40.4	44.1	9.1	46.0	52.0	13.0	25.1	30.3	20.5	52.7	57.1	8.4	62.7	63.7	1.6	72.4	79.2	9.4	16.3	16.0	-1.6
Early prenatal care^d	76.5	82.1	7.3	70.0	76.3	9.0	86.8	87.4	0.7	65.8	76.2	15.8	75.7	78.2	3.3	68.8	68.7	-0.2	84.2	86.4	2.6
0-4 prenatal visits	7.0	4.7	-32.3	8.5	7.7	-9.0	2.9	2.8	-4.5	10.5	6.8	-34.8	7.6	6.0	-20.9	12.7	11.9	-6.5	4.5	3.3	-26.9
Births with risk factors reported	19.9	42.3	112.8	30.9	37.8	22.2	33.5	41.1	22.7	22.3	40.7	82.5	31.5	45.8	45.4	36.3	49.0	34.9	27.7	41.3	49.3
Births with complications reported	26.4	32.5	23.0	35.9	29.3	-18.5	30.0	31.5	5.0	25.4	32.4	27.5	27.5	31.8	15.6	29.7	32.6	9.8	29.6	34.1	15.1
Primary and repeat C-Section	22.8	28.1	23.4	21.4	25.8	20.5	24.2	28.4	17.3	21.1	26.7	26.5	25.5	31.4	23.3	19.2	24.0	25.0	25.6	33.2	29.8
Births with abnormal conditions reported	6.8	9.4	38.0	11.6	7.6	-34.2	8.4	9.4	11.5	6.8	8.9	30.9	8.5	10.3	21.2	5.8	7.2	23.4	6.8	10.6	56.1
LBW rate	7.0	6.8	-2.6	7.3	7.3	-0.1	6.9	6.4	-6.8	6.9	6.6	-3.6	11.7	11.1	-5.4	6.8	7.2	5.5	8.5	7.9	-6.7
Newborn intensive care	5.5	5.7	3.7	4.4	2.8	-35.8	6.2	5.3	-13.8	4.7	5.2	10.5	7.0	7.2	2.5	4.2	4.1	-1.7	5.6	5.5	-2.1
Births with congenital anomalies reported	0.8	0.7	-11.9	2.4	1.0	-58.2	1.0	0.7	-31.2	1.0	0.8	-19.9	1.0	0.9	-13.2	1.3	0.8	-35.4	1.0	0.5	-48.1
Preterm births (< 37 weeks)	10.6	9.1	-14.3	10.0	8.7	-13.2	11.0	8.4	-23.9	9.8	9.3	-5.1	14.4	11.8	-18.2	9.8	9.7	-1.1	10.8	8.9	-17.2
Births paid for by the AHCCCS^e	50.0	52.9	5.8	53.4	60.1	12.6	29.2	35.8	22.4	72.2	72.8	0.8	59.3	69.9	17.8	53.4	68.5	28.2	24.8	29.3	18.1

Notes: ^a Per 100 live births; ^b Urban = Maricopa, Pima, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; ^c Less than 20 years old; ^d Entered care in first trimester of pregnancy; ^e The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

**TABLE 1B-26
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2013**

	TOTAL	Urban ^a	Rural	Mother's race/ethnicity				
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
TOTAL	84,963	73,493	11,470	38,220	33,075	4,726	5,476	3,470 [†]
Mother's age group								
<15	70 [†]	58	13	8	47	6	8	*
15-17	1,985	1,667	318	365	1,244	122	243	11
18-19	5,166	4,286	880	1,408	2,789	379	524	66
20-24	21,464	17,902	3,562	7,936	9,947	1,464	1,778	339
25-29	24,666	21,342	3,324	11,972	8,922	1,307	1,469	996
30-34	19,969	17,769	2,200	10,739	6,160	918	924	1,228
35-39	9,397	8,440	957	4,710	3,193	425	420	649
40-44	2,071	1,871	200	987	726	97	99	162
45+	172	156	16	94	46	8	11	13
Unknown	0 [†]	*	0	*	*	0	0	0
Payee for birth								
AHCCCS	45,792	38,901	6,891	13,664	24,063	3,302	3,749	1,014
IHS	1,080 [†]	423	658	56	48	*	970	*
Private insurance	34,996	31,564	3,432	22,894	7,768	1,303	697	2,334
Self	2,954	2,493	461	1,531	1,148	111	50	114
Unknown	140 [†]	112	28	75	48	*	10	*
Mother's education								
<8	1,895	1,782	113	127	1,547	129	30	62
8	1,340	1,177	163	196	968	45	101	30
9-11	11,691	9,901	1,790	2,322	7,422	593	1,216	138
12	26,226	21,723	4,503	9,283	12,405	1,633	2,291	614
13-16	34,684	30,440	4,244	20,008	9,397	1,975	1,658	1,646
17+	8,625	8,013	612	5,948	1,232	327	153	965
Unknown	502	457	45	336	104	24	27	11
Marital status								
Married	45,605	40,263	5,342	26,156	13,802	1,679	1,076	2,892
Unmarried	38,352	32,391	5,961	11,564	18,886	3,010	4,336	556
Other/Unknown ^b	1,006	839	167	500	387	37	64	18
Weight gain								
None	1,344	1,176	168	477	600	122	118	27
1-15 pounds	11,592	9,771	1,821	3,797	5,540	799	1,070	386
16-20 pounds	10,504	9,064	1,440	3,621	5,087	579	801	416
21-24 pounds	7,126	6,225	901	2,978	2,997	343	451	357
25-30 pounds	18,439	16,031	2,408	8,375	7,163	953	1,127	821
31+ pounds	35,394	30,766	4,628	18,840	11,394	1,899	1,824	1,437
Unknown	564	460	104	132	294	31	85	22
Substance use								
Drinker, nonsmoker	196	169	27	97	37	18	37	7
Smoker, nondrinker	3,616	2,795	821	2,599	551	295	134	37
Smoker and drinker	132	104	28	63	34	10	25	0
Nonsmoker and nondrinker	81,019	70,425	10,594	35,461	32,453	4,403	5,280	3,422

TABLE 1B-26 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2013

	TOTAL	Urban ^a	Rural	Mother's race/ethnicity				
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Length of gestation	<37 weeks	6,677	995	3,199	3,075	557	531	310
	37-41 weeks	76,992	66,579	10,413	34,866	29,925	4,144	4,910
	42+ weeks	254	207	47	136	62	23	25
	Unknown	50†	30	15	19	13	*	10
Weight at birth	<1,000 grams	433	380	53	169	175	54	18
	1,000-1,499	494	416	78	206	192	40	36
	1,500-2,499	4,922	4,217	705	2,084	1,832	429	339
	2,500-3,999	72,494	62,617	9,877	32,426	28,498	3,956	4,592
	4000+ grams	6,538	5,800	738	3,306	2,332	246	485
Unknown	80†	63	19	29	46	*	6	
Prenatal care	No care	1,179	929	250	272	690	63	131
	1st trimester	69,076	60,324	8,752	33,416	25,209	3,695	3,761
	2nd trimester	11,511	9,532	1,979	3,716	5,472	746	1,232
	3rd trimester	3,067	2,601	466	758	1,660	213	336
	Unknown	130†	107	23	58	44	9	16
Prenatal visits	No visits	1,179	929	250	272	690	63	131
	1-4 visits	3,191	2,553	638	786	1,574	221	519
	5-8 visits	11,457	9,376	2,081	3,773	5,297	693	1,312
	9-12 visits	39,379	34,545	4,834	17,293	15,883	2,271	2,323
	13+ visits	29,601	25,967	3,634	16,032	9,580	1,467	1,165
	Unknown	160†	123	33	64	51	11	26
Newborn intensive care	Yes	4,515	4,191	324	2,043	1,717	339	226
	No	80,413	69,300	11,113	36,142	31,358	4,387	5,250
	Unknown	40†	*	33	35	0	0	0
	Amniocentesis	180	159	21	102	40	9	18
Obstetric procedures	Electronic fetal monitoring	77,633	67,569	10,064	34,495	30,570	4,344	5,074
	Induction of labor	17,656	15,040	2,616	9,161	6,004	890	975
	Stimulation of labor	13,682	11,855	1,827	5,506	6,076	776	818
	Tocolysis	264	217	47	102	110	17	28
	Ultrasound	56,490	49,486	7,004	24,827	22,893	3,122	3,333
	Other	7,129	6,295	834	3,076	2,895	361	443
	Vaginal	60,125	51,742	8,383	26,856	23,800	3,165	4,041
Method of delivery	Vaginal after C-Section	1,149	1,032	117	493	429	71	110
	Primary C-Section	12,167	10,737	1,430	5,857	4,260	780	631
	Repeat C-Section	11,462	9,935	1,527	4,992	4,568	706	683
	Forceps	376	313	63	182	136	19	18
	Vacuum	2,600	2,078	522	1,266	942	152	82

**TABLE 1B-26 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2013**

	TOTAL	Urban ^a	Rural	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 medical risk factors										
Total	35,447	31,115	4,332	15,707	13,461	2,165	2,681	1,433		
Anemia	4,021	3,769	252	1,577	1,521	381	386	156		
Cardiac disease	282	269	13	169	76	17	10	10		
Lung disease	871	791	80	503	186	82	56	44		
Diabetes	4,862	4,333	529	1,663	2,018	234	610	337		
Genital herpes	950	878	72	545	257	87	40	21		
Hydramnios	1,136	994	142	500	416	67	95	58		
Hemoglobinopathy	20†	15	0	9	*	0	0	*		
Chronic hypertension	947	847	100	407	350	86	76	28		
Pregnancy associated hypertension	4,742	4,177	565	2,254	1,608	304	406	170		
Eclampsia	601	517	84	222	251	49	60	19		
Previous infant 4000+g	293	249	44	172	67	12	34	8		
Previous SGA infant	1,151	974	177	595	356	88	79	33		
Renal disease	120†	116	*	58	44	*	6	6		
RH sensitization	110†	100	13	72	33	6	0	*		
Uterine bleeding	190	166	24	89	52	18	18	13		
Incompetent cervix	168	161	7	77	53	16	8	14		
Other	26,397	23,094	3,303	11,526	10,373	1,607	1,826	1,065		
Abnormal conditions of the newborn										
Total	7,772	6,897	875	3,581	2,944	487	392	368		
Anemia	50†	47	7	21	18	*	10	*		
Birth injury	70†	67	7	46	21	*	*	*		
Fetal alcohol syndrome	0	0	0	0	0	0	0	0		
Hyaline membrane disease/RDS	210†	192	16	98	83	15	8	*		
Meconium aspiration syndrome	60†	46	14	27	25	*	*	*		
Assisted ventilation <30 min	739	514	225	420	222	31	36	30		
Assisted ventilation >30 min	337	284	53	149	130	24	19	15		
Newborn seizures	10†	9	*	*	*	*	*	*		
Other	6,997	6,333	664	3,141	2,715	462	342	337		
Births with congenital anomalies										
Total	633	518	115	263	265	41	46	18		
Anencephalus	10†	10	*	7	*	*	0	0		
Spina bifida/meningocele	20†	11	*	8	*	0	*	0		
Hydrocephalus	20†	15	*	7	*	*	*	0		
Microcephalus	0†	*	0	*	*	0	0	0		
Other CNS anomaly	20†	12	8	12	7	0	0	0		
Heart malformations	80†	68	8	34	31	*	*	*		
Other respiratory/circulatory	130†	115	16	25	85	13	*	*		
Rectal atresia/stenosis	0†	*	0	*	*	0	0	0		
Fistula/esophageal atresia	10†	6	*	*	*	0	*	*		

TABLE 1B-26 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2013

	TOTAL	Urban ^a	Rural	Mother's race/ethnicity				
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Omphalocele/gastroschisis	20†	19	*	12	8	0	*	0
Other gastrointestinal	20†	15	*	9	7	0	*	0
Malformed genitalia	10†	*	*	*	*	*	*	0
Renal agenesis	10†	*	*	*	*	*	*	0
Other urogenital anomalies	50†	40	6	20	22	*	*	*
Cleft lip/palate	60†	43	16	21	21	*	12	*
Polydactyly/Syndactyly/Adactyly	30†	19	8	15	6	*	*	0
Club foot	50†	39	12	27	19	*	*	0
Diaphragmatic hernia	0†	*	*	*	0	0	*	0
Other musculoskeletal	20†	16	7	7	11	*	*	*
Down syndrome	40†	30	6	24	11	*	0	0
Other chromosomal	30†	27	*	11	13	*	*	*
Other	140†	110	28	65	45	14	9	*
Total	27,211	23,856	3,355	12,034	10,709	1,502	1,785	1,181
Births with complications of labor	1,582	1,522	60	626	664	84	91	117
Febrile	4,724	4,259	465	1,904	2,035	305	297	183
Meconium	1,841	1,594	247	833	624	108	184	92
Rupture of membrane	388	302	86	155	148	32	40	13
Abruption placenta	295	271	24	126	116	18	10	25
Placenta previa	308	213	95	110	98	16	76	8
Other bleeding	20†	15	*	7	7	*	*	*
Seizures	2,093	1,814	279	701	1,043	144	137	68
Precipitous labor	670	533	137	344	166	33	89	38
Prolonged labor	1,415	1,295	120	557	573	81	140	64
Dysfunctional labor	2,611	2,246	365	1,297	907	124	157	126
Breech malpresentation	200†	152	51	98	72	12	17	*
Cephalopelvic disproportion	70†	64	10	34	28	*	6	*
Cord prolapse	30†	22	6	14	9	*	*	*
Anesthetic complications	4,047	3,754	293	2,076	1,286	242	193	250
Fetal distress	14,933	13,082	1,851	6,321	6,352	816	877	567

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 "Refused", "yes, divorced", "unknown".

**TABLE 1B-27
CHANGES FROM 2003 TO 2013 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH
WHICH DIFFER BY PAYEE FOR THE DELIVERY**

Characteristics ^a	AHCCCS ^b			Indian Health Service			Private Health Insurance			Self		
	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change
Number of births	45,833	45,792	-0.1	1,587	1,081	-31.9	39,736	34,996	-11.9	1,916	2,954	54.2
Per 100 births:												
Teenage mother^c	20.3	13.3	-34.5	20.4	14.6	-28.4	4.2	2.2	-47.6	11.3	6.5	-42.5
Unwed mother	62.6	65.4	4.5	72.8	77.0	5.7	15.7	18.6	18.8	36.3	32.7	-9.8
Early prenatal care^d	64.3	75.1	16.8	65.0	63.8	-1.8	90.2	91.4	1.4	60.3	64.4	6.8
0-4 prenatal visits	10.7	6.8	-36.3	11.9	16.5	38.4	1.9	1.3	-32.9	22.2	20.3	-8.7
Births with risk factors reported	25.3	42.6	68.3	41.3	45.7	10.6	31.0	41.1	32.5	28.5	35.4	24.2
Births with complications reported	26.3	31.9	21.2	38.0	34.4	-9.4	29.0	32.3	11.3	24.3	30.7	26.2
Primary and repeat C-Section	20.5	26.1	27.5	18.1	22.3	23.2	25.5	30.9	21.0	15.6	19.9	27.8
Births with abnormal conditions reported	7.2	9.5	32.1	5.9	5.8	-1.2	7.7	8.7	13.4	8.2	9.7	18.1
LBW rate	7.4	7.3	-0.8	5.3	5.3	-0.5	6.6	6.4	-3.0	7.4	5.8	-22.2
Newborn intensive care	5.0	5.5	10.9	1.7	3.0	74.1	5.9	5.1	-13.7	5.9	4.9	-16.2
Births with congenital anomalies reported	1.0	0.8	-15.1	2.3	0.7	-67.8	1.0	0.6	-39.7	1.1	0.8	-23.1
Preterm birth < 37 weeks	10.5	9.7	-7.9	7.1	7.9	10.7	10.5	8.3	-20.9	11.2	7.7	-31.1

Notes: ^a Per 100 live births; ^b The Arizona Health Care Cost Containment System is the State's Medicaid program; ^c Less than 20 years old; ^d Entered care in first trimester of

**TABLE 1B-28
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013**

	TOTAL	Payee for birth				
		AHCCCS ^a	IHS	Private Insurance	Self	Unknown
TOTAL	84,963	45,792	1,080†	35,000†	2,950†	140†
Mother's age group						
<15	70†	62	*	*	*	0
15-17	1,985	1,658	60	189	73	*
18-19	5,166	4,369	95	576	118	8
20-24	21,464	15,437	340	5,058	595	34
25-29	24,666	12,347	304	11,106	864	45
30-34	19,969	7,427	184	11,521	813	24
35-39	9,397	3,577	67	5,336	397	20
40-44	2,071	842	23	1,122	82	*
45+	170†	67	*	82	10	*
Unknown	10†	6	0	*	*	*
Mother's race/ethnicity						
White non-Hispanic	38,220	13,664	56	22,894	1,531	75
Hispanic or Latino	33,075	24,063	48	7,768	1,148	48
Black or African American	4,730†	3,302	*	1,303	111	*
American Indian or Alaska Native	5,476	3,749	970	697	50	10
Asian or Pacific Islander	3,470†	1,014	*	2,334	114	*
Mother's education						
<8	1,895	1,705	18	113	56	*
8	1,340	1,153	21	85	78	*
9-11	11,691	10,258	280	782	359	12
12	26,226	18,545	438	6,474	722	47
13-16	34,684	12,913	290	20,095	1,344	42
17+	8,625	918	25	7,311	362	9
Unknown	502	300	9	136	33	24
Marital status						
Married	45,605	15,054	242	28,292	1,952	65
Unmarried	38,352	29,960	832	6,526	967	67
Other/Unknown ^b	1,006	778	7	178	35	8
Weight gain						
None	1,344	838	25	437	41	*
1-15 pounds	11,592	7,506	227	3,468	376	15
16-20 pounds	10,504	6,480	183	3,465	367	9
21-24 pounds	7,126	3,765	81	3,053	214	13
25-30 pounds	18,439	9,607	226	7,980	601	25
31+ pounds	35,394	17,283	309	16,536	1,211	55
Unknown	564	313	30	57	144	20
Substance use						
Drinker, nonsmoker	200†	93	8	90	*	*
Smoker, nondrinker	3,616	2,849	21	601	128	17
Smoker and drinker	132	92	7	24	8	*
Nonsmoker and nondrinker	81,019	42,758	1,045	34,281	2,815	120

**TABLE 1B-28 (continued)
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013**

	TOTAL	Payee for birth				
		AHCCCS ^a	IHS	Private Insurance	Self	Unknown
Length of gestation						
<37 weeks	7,672	4,428	85	2,906	228	25
37-41 weeks	76,992	41,230	982	31,977	2,696	107
42+ weeks	254	113	7	110	22	*
Unknown	50†	21	7	*	8	6
Weight at birth						
<1,000 grams	430†	239	*	175	15	*
1,000-1,499	490†	283	*	186	18	*
1,500-2,499	4,922	2,838	50	1,880	137	17
2,500-3,999	72,494	39,185	923	29,764	2,519	103
4000+ grams	6,538	3,199	96	2,974	258	11
Unknown	80†	48	*	17	7	*
Prenatal care						
No care	1,179	716	39	56	347	21
1st trimester	69,076	34,404	690	32,003	1,903	76
2nd trimester	11,511	8,339	253	2,459	443	17
3rd trimester	3,067	2,264	93	457	248	*
Unknown	130	69	6	21	13	21
Prenatal visits						
No visits	1,179	716	39	56	347	21
1-4 visits	3,191	2,404	139	390	252	6
5-8 visits	11,457	7,816	293	2,920	413	15
9-12 visits	39,379	21,434	406	16,393	1,093	53
13+ visits	29,601	13,336	199	15,211	833	22
Unknown	160†	86	*	26	16	23
Newborn intensive care						
Yes	4,515	2,540	32	1,781	146	16
No	80,413	43,237	1,048	33,206	2,799	123
Unknown	40†	15	*	9	9	*
Obstetric procedures						
Amniocentesis	180†	79	6	92	*	*
Electronic fetal monitoring	77,633	42,768	997	31,692	2,101	75
Induction of labor	17,656	8,988	176	8,084	396	12
Stimulation of labor	13,682	8,080	155	4,946	485	16
Tocolysis	264	138	6	104	16	0
Ultrasound	56,490	30,584	464	23,496	1,883	63
Other	7,129	3,559	90	3,304	165	11
Method of delivery						
Vaginal	60,125	33,137	813	23,758	2,310	107
Vaginal after C-Section	1,149	654	24	413	55	*
Primary C-Section	12,167	5,752	121	5,968	309	17
Repeat C-Section	11,462	6,216	120	4,834	280	12
Forceps	376	196	6	155	17	*
Vacuum	2,600	1,385	17	1,115	76	7

TABLE 1B-28 (continued)
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013

	TOTAL	Payee for birth				
		AHCCCS ^a	IHS	Private Insurance	Self	Unknown
Births with medical risk factors						
Total	35,447	19,498	494	14,371	1,046	38
Anemia	4,021	2,445	62	1,408	100	6
Cardiac disease	280†	141	*	133	6	*
Lung disease	870†	405	*	450	13	0
Diabetes	4,862	2,659	116	1,978	104	*
Genital herpes	950†	434	*	494	17	0
Hydramnios/oligohydramnios	1,136	570	14	508	44	0
Hemoglobinopathy	20†	*	0	10	*	0
Chronic hypertension	947	462	16	451	18	0
Pregnancy associated hypertension	4,742	2,424	64	2,143	109	*
Eclampsia	601	365	10	209	17	0
Previous infant 4000+g	293	124	13	139	13	*
Previous SGA infant	1,151	647	12	457	29	6
Renal disease	120†	70	*	45	*	0
RH sensitization	113	55	0	58	0	0
Uterine bleeding	190†	94	*	92	*	0
Incompetent cervix	170†	69	*	93	*	0
Other	26,397	15,039	299	10,212	825	22
Total	7,772	4,354	63	3,057	286	12
Abnormal conditions of the newborn						
Anemia	50†	39	*	11	*	0
Birth injury	70†	29	0	42	*	*
Fetal alcohol syndrome	0	0	0	0	0	0
Hyaline membrane disease/RDS	208	135	0	67	6	0
Meconium aspiration syndrome	60†	28	*	24	*	*
Assisted ventilation <30 min	739	358	12	322	46	*
Assisted ventilation >30 min	340†	189	*	127	19	*
Newborn seizures	10†	*	*	*	*	0
Other	6,997	3,984	50	2,712	243	8
Total	633	389	8	211	25	0
Births with congenital anomalies						
Anencephalus	10†	*	0	8	0	0
Spina bifida/meningocele	20†	12	0	*	0	0
Hydrocephalus	20†	9	0	6	*	0
Microcephalus	0†	*	0	*	0	0
Other CNS anomaly	20†	14	0	*	*	0
Heart malformations	80†	41	*	30	*	0
Other respiratory/circulatory	130†	114	*	8	8	0
Rectal atresia/stenosis	0†	0	0	*	0	0

**TABLE 1B-28 (continued)
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013**

	TOTAL	Payee for birth				
		AHCCCS ^a	IHS	Private Insurance	Self	Unknown
Fistula/esophageal atresia	10†	*	0	*	0	0
Omphalocele/gastroschisis	20†	14	0	7	*	0
Other gastrointestinal anomalies	20†	12	*	*	*	0
Malformed genitalia	10†	*	0	*	0	0
Renal agenesis	10†	*	0	*	0	0
Other urogenital	50†	24	0	19	*	0
Cleft lip/palate	60†	39	*	16	*	0
Polydactyly/Syndactyly/Adactyly	30†	13	*	11	*	0
Club foot	50†	30	0	19	*	0
Diaphragmatic hernia	0†	*	0	*	0	0
Other musculoskeletal	20†	11	0	11	*	0
Down syndrome	40†	21	0	14	*	0
Other chromosomal	30†	19	0	9	*	0
Other	140†	73	*	58	*	0
Total	27,211	14,596	372	11,295	906	42
Births with complications of labor and/or delivery	1,582	806	19	718	39	0
Meconium	4,724	2,667	55	1,816	181	*
Rupture of membrane	1,841	1,011	29	734	63	*
Abruptio placenta	388	223	7	136	21	*
Placenta previa	300†	141	*	148	*	0
Other bleeding	308	175	18	105	10	0
Seizures	20†	13	*	*	*	0
Precipitous labor	2,093	1,335	43	551	159	*
Prolonged labor	670	307	20	314	28	*
Dysfunctional labor	1,415	800	33	547	34	*
Breech malpresentation	2,611	1,230	33	1,264	74	10
Cephalopelvic disproportion	200†	114	*	76	8	0
Cord prolapse	70†	45	*	26	*	0
Anesthetic complications	30†	9	*	18	0	0
Fetal distress	4,047	1,643	34	2,255	114	*
Other	14,933	8,575	174	5,700	463	21

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 "Refused", "yes, divorced", "unknown".

**TABLE 1B-29
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND PARTY PAYING FOR THE DELIVERY,
ARIZONA, 2013**

		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	45,792	62	1,658	4,369	15,437	12,347	7,427	3,577	842	67	6
	IHS	1,080†	*	60	95	340	304	184	67	23	*	0
	Private insurance	35,000†	*	189	576	5,058	11,106	11,521	5,336	1,122	82	*
	Self	2,950†	*	73	118	595	864	813	397	82	10	*
	Unknown	140†	0	*	8	34	45	24	20	*	*	*
	TOTAL	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	170†	10†
White non- Hispanic	AHCCCS	13,664	7	276	1,084	4,727	4,079	2,305	920	232	28	6
	IHS	60†	0	0	*	20	20	7	*	0	*	0
	Private insurance	22,890†	*	76	294	2,941	7,368	7,919	3,535	708	51	*
	Self	1,531	0	11	19	231	481	495	241	46	6	*
	Unknown	80†	0	*	7	17	24	13	10	*	*	0
	TOTAL	38,220	10†	365	1,410†	7,936	11,972	10,739	4,710†	987	90†	10†
Hispanic or Latino	AHCCCS	24,063	45	1,104	2,487	8,045	6,073	3,763	2,053	465	28	0
	IHS	50†	0	*	*	13	12	10	*	*	*	0
	Private insurance	7,770†	*	77	209	1,564	2,532	2,133	1,009	230	13	0
	Self	1,150†	*	56	88	312	293	244	121	29	*	0
	Unknown	50†	0	*	*	13	12	10	8	*	0	*
	TOTAL	33,075	50†	1,240†	2,790†	9,947	8,922	6,160	3,190†	730†	50†	1
Black or African American	AHCCCS	3,300†	*	107	337	1,151	907	528	217	48	*	0
	IHS	10†	0	0	0	*	*	0	0	0	0	0
	Private insurance	1,300†	*	15	36	281	362	362	193	47	*	0
	Self	110†	0	0	6	27	33	28	15	*	0	0
	Unknown	10†	0	0	0	*	*	0	0	0	0	0
	TOTAL	4,730†	10†	122	379	1,460†	1,310†	918	425	100†	10†	0
American Indian or Alaska Native	AHCCCS	3,750†	*	164	411	1,312	989	559	251	55	*	0
	IHS	970†	*	55	87	303	269	167	61	22	*	0
	Private insurance	700†	*	20	23	146	190	189	102	22	*	0
	Self	50†	0	*	*	14	16	8	*	0	0	0
	Unknown	10†	0	0	0	*	*	*	*	0	0	0
	TOTAL	5,476	10†	240†	520†	1,778	1,469	924	420†	99	10†	0
Asian or Pacific Islander	AHCCCS	1,010†	*	7	50	202	299	272	136	42	*	0
	IHS	0†	0	0	0	0	*	0	0	0	0	0
	Private insurance	2,330†	0	*	14	126	654	918	497	115	9	0
	Self	110†	0	*	*	11	41	38	15	*	0	0
	Unknown	0†	0	*	0	0	0	0	*	0	0	0
	TOTAL	3,470†	0†	10†	70†	339	1,000†	1,228	649	160†	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 TRIMESTER
OF PREGNANCY PRENATAL CARE BEGAN, ARIZONA, 2013**

		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	1,180†	*	54	98	403	294	190	98	29	8	*
	1st trimester	69,076	29	1,245	3,714	16,506	20,601	17,183	7,968	1,704	123	*
	2nd trimester	11,511	20	520	1,054	3,591	2,937	2,037	1,060	262	26	*
	3rd trimester	3,067	18	163	285	933	797	539	255	70	7	0
	Unknown	130†	*	*	15	31	37	20	16	6	*	0
	TOTAL	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	165	10†
White non- Hispanic	No care	270†	0	7	7	80	70	57	33	13	*	*
	1st trimester	33,416	6	256	1,114	6,597	10,617	9,706	4,206	845	66	*
	2nd trimester	3,716	0	76	234	1,013	1,059	820	391	108	11	*
	3rd trimester	760†	*	25	47	234	212	143	70	20	*	0
	Unknown	60†	0	*	6	12	14	13	10	*	*	0
	TOTAL	38,220	10†	365	1,408	7,936	11,972	10,739	4,710	987	90†	10†
Hispanic or Latino	No care	690†	*	37	70	252	168	92	51	15	*	*
	1st trimester	25,209	19	774	1,951	7,340	7,063	4,926	2,531	569	36	0
	2nd trimester	5,472	14	328	590	1,831	1,275	853	470	105	6	0
	3rd trimester	1,660†	11	104	172	511	404	284	138	34	*	0
	Unknown	40†	*	*	6	13	12	*	*	*	0	0
	TOTAL	33,075	50†	1,244	2,789	9,947	8,922	6,160	3,193	726	50†	0†
Black or African American	No care	60†	0	*	9	20	16	12	*	0	0	0
	1st trimester	3,700†	*	80	272	1,117	1,018	766	354	82	*	0
	2nd trimester	750†	*	28	71	260	213	106	53	9	*	0
	3rd trimester	210†	*	12	26	66	56	33	13	*	0	0
	Unknown	10†	0	0	*	*	*	*	*	*	0	0
	TOTAL	4,726	10†	120†	379	1,464	1,307	918	430†	100†	10†	0
American Indian or Alaska Native	No care	130†	*	8	11	47	32	21	8	*	*	0
	1st trimester	3,760†	*	128	326	1,200	1,039	686	306	66	8	0
	2nd trimester	1,230†	*	85	150	424	290	173	81	25	*	0
	3rd trimester	340†	*	21	35	103	101	44	23	7	0	0
	Unknown	20†	0	*	*	*	7	0	*	0	0	0
	TOTAL	5,476	10†	243	524	1,778	1,469	924	420	100†	10†	0
Asian or Pacific Islander	No care	20†	0	0	*	*	8	8	*	0	0	0
	1st trimester	2,995	0	7	51	252	864	1,099	571	142	9	0
	2nd trimester	350†	*	*	9	63	100	85	65	15	*	0
	3rd trimester	100†	*	*	*	19	24	35	11	*	0	0
	Unknown	0†	0	0	0	*	0	*	0	*	0	0
	TOTAL	3,470†	0†	10†	70†	340†	996	1,228	650†	160†	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
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF PRENATAL VISITS,
ARIZONA, 2013**

	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	1,180†	*	54	98	403	294	190	98	29	8	*
	1-4 visits	3,190†	11	132	302	1,045	868	520	242	66	*	*
	5-8 visits	11,457	24	454	995	3,459	3,010	2,230	1,028	238	19	0
	9-12 visits	39,379	14	900	2,473	9,971	11,357	9,345	4,372	867	77	*
	13+ visits	29,601	18	441	1,283	6,544	9,096	7,658	3,637	865	56	*
	Unknown	160†	*	*	15	42	41	26	20	6	*	0
	TOTAL	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	170†	10†
White non- Hispanic	No visits	270†	0	7	7	80	70	57	33	13	*	*
	1-4 visits	790†	0	21	50	268	209	140	66	28	*	*
	5-8 visits	3,770†	*	66	221	973	1,106	904	395	96	7	0
	9-12 visits	17,290†	*	163	673	3,529	5,334	4,985	2,154	405	46	*
	13+ visits	16,030†	*	107	451	3,074	5,239	4,637	2,049	444	26	*
	Unknown	60†	0	*	6	12	14	16	13	*	*	0
	TOTAL	38,220	10†	365	1,408	7,936	11,972	10,739	4,710	987	90†	10†
Hispanic or Latino	No visits	690†	*	37	70	252	168	92	51	15	*	*
	1-4 visits	1,574	6	84	175	508	412	246	123	20	0	0
	5-8 visits	5,300†	15	261	546	1,765	1,293	884	442	88	*	0
	9-12 visits	15,883	9	589	1,363	4,799	4,289	2,972	1,526	315	21	0
	13+ visits	9,580	14	271	630	2,607	2,747	1,958	1,048	285	20	0
	Unknown	50†	*	*	*	16	13	8	*	*	0	0
	TOTAL	33,075	50†	1,244	2,789	9,947	8,922	6,160	3,193	726	50†	0†
Black or African American	No visits	60†	0	*	9	20	16	12	*	0	0	0
	1-4 visits	220†	*	6	29	75	62	31	13	*	0	0
	5-8 visits	690†	*	33	70	237	173	113	46	15	*	0
	9-12 visits	2,270†	*	51	177	736	639	423	198	43	*	0
	13+ visits	1,470†	*	30	93	394	412	338	163	35	*	0
	Unknown	10†	0	0	*	*	*	*	*	*	0	0
	TOTAL	4,726	10†	120†	379	1,464	1,307	918	430†	100†	10†	0
American Indian or Alaska Native	No visits	130†	*	8	11	47	32	21	8	*	*	0
	1-4 visits	520†	*	21	44	171	162	79	27	12	*	0
	5-8 visits	1,310†	*	91	149	431	345	198	72	21	*	0
	9-12 visits	2,320†	*	93	231	767	621	383	185	39	*	0
	13+ visits	1,170†	0	29	86	352	300	243	125	26	*	0
	Unknown	30†	0	*	*	10	9	0	*	0	0	0
	TOTAL	5,476	10†	243	524	1,778	1,469	924	420	100†	10†	0
Asian or Pacific Islander	No visits	20†	0	0	*	*	8	8	*	0	0	0
	1-4 visits	90†	*	0	*	23	23	24	13	*	0	0
	5-8 visits	380†	0	*	9	53	93	131	73	18	*	0
	9-12 visits	1,610†	0	*	29	140	474	582	309	65	6	0
	13+ visits	1,360†	*	*	23	117	398	482	252	75	*	0
	Unknown	0†	0	0	0	*	0	*	0	*	0	0
	TOTAL	3,470†	0†	10†	70†	340†	996	1,228	650†	160†	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-32
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
TOTAL	84,963	1,180†	69,076	11,511	3,070†	130†	4,370	80,437	160†
Mother's age group									
<15	70†	*	29	20	18	*	14	56	*
15-17	1,985	54	1,245	520	163	*	186	1,795	*
18-19	5,166	98	3,714	1,054	285	15	400	4,751	15
20-24	21,464	403	16,506	3,591	933	31	1,448	19,974	42
25-29	24,666	294	20,601	2,937	797	37	1,162	23,463	41
30-34	19,969	190	17,183	2,037	539	20	710	19,233	26
35-39	9,397	98	7,968	1,060	255	16	340	9,037	20
40-44	2,071	29	1,704	262	70	6	95	1,970	6
45+	165	8	123	26	7	*	12	152	*
Unknown	10†	*	*	*	0	0	*	6	0
Payee for birth									
AHCCCS	45,792	716	34,404	8,339	2,264	69	3,120	42,586	86
IHS	1,081	39	690	253	93	6	178	898	*
Private insurance	34,996	56	32,003	2,459	457	21	446	34,524	26
Self	2,954	347	1,903	443	248	13	599	2,339	16
Unknown	140†	21	76	17	*	21	27	90	23
Mother's education									
<8	1,895	61	1,281	429	120	*	165	1,727	*
8	1,340	66	855	292	123	*	212	1,120	8
9-11	11,691	362	8,019	2,489	801	20	1,285	10,383	23
12	26,226	419	20,511	4,205	1,055	36	1,586	24,598	42
13-16	34,684	185	30,250	3,470	753	26	880	33,765	39
17+	8,625	24	7,879	544	167	11	122	8,492	11
Unknown	502	62	281	82	48	29	120	352	30
Marital status									
Married	45,605	271	39,798	4,405	1,080	51	1,208	44,334	63
Unmarried	38,352	867	28,589	6,904	1,920	72	3,040	35,226	86
Other/Unknown ^a	1,006	41	689	202	67	7	122	877	7
Weight gain									
None	1,344	49	1,022	190	79	*	158	1,181	*
1-15 pounds	11,592	201	8,591	2,018	763	19	1,029	10,545	18
16-20 pounds	10,504	154	8,101	1,745	490	14	664	9,821	19
21-24 pounds	7,126	59	5,841	1,001	218	7	264	6,854	8
25-30 pounds	18,439	188	15,260	2,399	577	15	799	17,617	23
31+ pounds	35,394	271	30,101	4,102	888	32	1,132	34,222	40
Unknown	564	257	160	56	52	39	324	197	43
Substance use									
Drinker, nonsmoker	196	13	144	23	15	*	28	167	*
Smoker, nondrinker	3,616	169	2,525	708	193	21	490	3,104	22
Smoker and drinker	132	16	65	35	13	*	35	95	*
Nonsmoker and nondrinker	81,019	981	66,342	10,745	2,846	105	3,817	77,071	131

**TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013**

	TOTAL	Prenatal care					Visits		
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
Length of gestation									
<37 weeks	7,672	288	6,003	1,056	295	30	913	6,726	33
37-41 weeks	76,992	858	62,871	10,420	2,755	88	3,408	73,474	110
42+ weeks	254	15	190	33	16	0	28	226	0
Unknown	50†	18	12	*	*	12	21	11	13
Weight at birth									
<1,000 grams	430†	25	356	48	*	*	129	302	*
1,000-1,499	494	26	386	63	13	6	82	406	6
1,500-2,499	4,922	118	3,875	729	183	17	436	4,468	18
2,500-3,999	72,494	951	58,906	9,881	2,663	93	3,483	68,893	118
4000+ grams	6,538	52	5,499	778	201	8	224	6,306	8
Unknown	80†	7	54	12	*	*	16	62	*
Newborn intensive care									
Yes	4,515	175	3,485	657	178	20	500	3,993	22
No	80,413	976	65,591	10,854	2,885	107	3,842	76,438	133
Unknown	40†	28	0	0	*	*	28	6	*
Obstetric procedures									
Amniocentesis	180†	*	154	19	6	0	8	172	0
Electronic fetal monitoring	77,633	993	62,992	10,692	2,859	97	3,906	73,611	116
Induction of labor	17,656	70	14,614	2,402	555	15	514	17,127	15
Stimulation of labor	13,682	175	10,733	2,145	614	15	647	13,017	18
Tocolysis	264	8	211	34	11	0	26	238	0
Ultrasound	56,490	629	46,018	7,780	1,989	74	2,828	53,575	87
Other	7,129	75	5,760	1,031	255	8	342	6,776	11
Method of delivery									
Vaginal	60,125	914	48,474	8,432	2,219	86	3,187	56,829	109
Vaginal after C-Section	1,149	17	887	180	62	*	88	1,057	*
Primary C-Section	12,167	111	10,235	1,432	362	27	469	11,671	27
Repeat C-Section	11,462	137	9,433	1,457	424	11	626	10,821	15
Forceps	376	6	297	58	15	0	15	361	0
Vacuum	2,600	37	2,043	408	111	*	119	2,480	*
Total	35,447	772	27,077	5,683	1,867	48	2,654	32,739	54
Births with medical risk factors									
Anemia	4,021	64	3,042	669	241	*	257	3,759	*
Cardiac disease	280†	*	235	37	7	0	12	270	0
Lung disease	871	6	788	71	6	0	17	854	0
Diabetes	4,862	16	4,022	669	153	*	150	4,710	*
Genital herpes	950†	*	821	110	16	0	31	919	0
Hydramnios/oligohydramnios	1,136	17	892	161	64	*	68	1,066	*
Hemoglobinopathy	20†	0	14	*	0	0	*	14	0
Chronic hypertension	947	13	774	127	33	0	46	901	0
Pregnancy associated hypertension	4,742	70	3,868	646	155	*	248	4,490	*

**TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
Eclampsia	600†	*	449	107	41	0	41	560	0
Previous infant 4000+g	290†	*	232	45	12	*	15	277	*
Previous SGA infant	1,151	23	892	192	43	*	84	1,064	*
Renal disease	120†	*	99	14	*	0	9	110	0
RH sensitization	110†	*	90	15	*	0	9	104	0
Uterine bleeding	190†	*	165	15	7	0	18	171	*
Incompetent cervix	170†	6	144	16	*	0	20	148	0
Other	26,397	703	19,446	4,571	1,634	43	2,334	24,016	47
Total	7,772	195	6,096	1,114	350	17	595	7,157	20
Abnormal conditions of the newborn									
Anemia	50†	*	39	10	*	*	6	47	*
Birth injury	70†	*	62	8	*	*	*	71	*
Fetal alcohol syndrome	0	0	0	0	0	0	0	0	0
Hyaline membrane disease/RDS	210†	6	167	30	*	*	18	188	*
Meconium aspiration syndrome	60†	*	46	7	*	0	8	52	0
Assisted ventilation <30 min	739	17	573	108	40	*	50	688	*
Assisted ventilation >30 min	337	24	243	52	18	0	45	292	0
Newborn seizures	10†	0	7	*	0	0	0	10	0
Other	6,997	177	5,477	1,009	319	15	547	6,433	17
Total	633	19	443	131	37	3	58	571	4
Births with congenital anomalies									
Anencephalus	10†	0	11	0	0	0	*	10	0
Spina bifida/meningocele	20†	*	9	*	*	0	*	13	0
Hydrocephalus	20†	*	9	*	*	0	*	14	0
Microcephalus	0†	0	*	0	0	0	0	*	0
Other CNS anomaly	20†	0	16	*	*	*	*	17	*
Heart malformations	80†	*	54	16	*	0	*	72	0
Other respiratory/circulatory	131	6	69	40	14	*	21	108	*
Rectal atresia/stenosis	0†	0	*	*	0	0	0	*	0
Fistula/esophageal atresia	10†	0	6	*	0	0	*	8	0
Omphalocele/gastroschisis	20†	0	17	*	*	0	*	21	0
Other gastrointestinal	20†	0	16	*	*	*	*	17	*
Malformed genitalia	10†	0	*	*	0	0	*	*	0
Renal agenesis	6	0	6	0	0	0	0	6	0
Other urogenital	50†	*	27	10	6	*	6	39	*
Cleft lip/palate	60†	*	42	14	*	0	*	57	0
Polydactyly/Syndactyly/Adactyly	27	0	20	7	0	0	0	27	0
Club foot	50†	*	35	11	*	0	7	44	0

**TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
Diaphragmatic hernia	0†	*	*	0	0	0	*	*	0
Other muscoskeletal	20†	*	16	*	*	*	*	19	*
Down syndrome	40†	*	29	6	0	0	*	34	0
Other chromosomal	30†	*	18	7	0	0	*	24	*
Other	140†	*	102	22	8	*	10	127	*
Total	27,211	587	21,117	4,190	1,282	35	1,881	25,290	40
Births with complications									
Febrile	1,582	22	1,270	214	73	*	59	1,520	*
Meconium	4,724	162	3,540	761	254	7	408	4,310	6
Rupture of membrane	1,841	46	1,470	263	60	*	160	1,680	*
Abruption placenta	388	20	278	72	15	*	56	330	*
Placenta previa	300†	*	255	28	8	*	13	280	*
Other bleeding	308	12	231	50	13	*	30	276	*
Seizures	20†	*	11	*	*	0	*	15	0
Precipitous labor	2,093	116	1,349	418	205	*	275	1,811	7
Prolonged labor	670	9	555	83	21	*	29	639	*
Dysfunctional labor	1,415	20	1,144	194	57	0	65	1,350	0
Breech malpresentation	2,611	45	2,143	324	96	*	175	2,432	*
Cephalopelvic disproportion	200†	*	167	28	7	0	7	196	0
Cord prolapse	70†	*	58	13	*	0	*	72	0
Anesthetic complications	30†	0	24	*	*	0	*	26	0
Fetal distress	4,047	62	3,406	462	110	7	178	3,862	7
Other	14,933	325	11,286	2,509	796	17	1,120	13,792	21

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 "Refused", "yes, divorced", "unknown".

**TABLE 1B-33
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
TOTAL	84,963	5,849	79,032	80†	7,672	76,992	250†	50†
Mother's age group								
<15	71	7	64	0	10	61	0	0
15-17	1,985	136	1,846	*	179	1,799	7	0
18-19	5,166	380	4,780	6	465	4,685	10	6
20-24	21,464	1,543	19,894	27	1,868	19,524	60	12
25-29	24,666	1,562	23,080	24	2,102	22,476	73	15
30-34	19,969	1,271	18,688	10	1,734	18,166	62	7
35-39	9,397	717	8,673	7	993	8,365	36	*
40-44	2,071	199	1,869	*	273	1,792	6	0
45+	165	31	133	*	44	119	0	*
Unknown	10†	*	*	*	*	*	0	0
Payee for birth								
AHCCCS	45,792	3,360	42,384	48	4,428	41,230	113	21
IHS	1,081	57	1,019	*	85	982	7	7
Private insurance	34,996	2,241	32,738	17	2,906	31,977	110	*
Self	2,954	170	2,777	7	228	2,696	22	8
Unknown	140†	21	114	*	25	107	*	6
Mother's education								
<8	1,895	129	1,762	*	209	1,678	8	0
8	1,340	114	1,223	*	168	1,165	6	*
9-11	11,691	854	10,825	12	1,217	10,439	25	10
12	26,226	1,963	24,233	30	2,449	23,696	65	16
13-16	34,684	2,151	32,507	26	2,822	31,740	112	10
17+	8,625	565	8,057	*	698	7,891	36	0
Unknown	500†	73	425	*	109	383	*	8
Marital status								
Married	45,605	2,761	42,810	34	3,720	41,720	151	14
Unmarried	38,352	2,998	35,307	47	3,806	34,417	101	28
Other/Unknown ^a	1,010†	90	915	*	146	855	*	*
None	1,340†	182	1,158	*	222	1,119	*	*
1-15 pounds	11,592	1,207	10,369	16	1,450	10,108	29	*
16-20 pounds	10,504	881	9,613	10	1,144	9,321	35	*
21-24 pounds	7,126	503	6,620	*	651	6,454	18	*
25-30 pounds	18,439	1,159	17,265	15	1,539	16,833	58	9
31+ pounds	35,394	1,833	33,537	24	2,547	32,734	106	7
Unknown	564	84	470	10	119	423	6	16

**TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
Substance use								
Drinker, nonsmoker	200†	20	175	*	26	169	*	0
Smoker, nondrinker	3,620†	413	3,203	0	444	3,161	*	6
Smoker and drinker	130†	30	102	0	35	94	*	*
Prenatal care								
Nonsmoker and nondrinker	81,019	5,386	75,552	81	7,167	73,568	247	37
No care	1,179	169	1,003	7	288	858	15	18
1st trimester	69,076	4,617	64,405	54	6,003	62,871	190	12
2nd trimester	11,511	840	10,659	12	1,056	10,420	33	*
3rd trimester	3,067	198	2,864	*	295	2,755	16	*
Unknown	130	25	101	*	30	88	0	12
Prenatal visits								
No visits	1,179	169	1,003	7	288	858	15	18
1-4 visits	3,191	478	2,704	9	625	2,550	13	*
5-8 visits	11,457	1,291	10,153	13	1,706	9,724	25	*
9-12 visits	39,379	2,265	37,084	30	3,067	36,216	90	6
13+ visits	29,601	1,620	27,962	19	1,953	27,534	111	*
Unknown	156	26	126	*	33	110	0	13
Newborn intensive care								
Yes	4,515	2,203	2,308	*	2,558	1,946	7	*
No	80,413	3,646	76,692	75	5,114	75,012	247	40
Unknown	35	0	32	*	0	34	0	*
Obstetric procedures								
Amniocentesis	180†	22	158	0	36	143	*	0
Electronic fetal monitoring	77,633	5,444	72,127	62	7,138	70,283	191	21
Induction of labor	17,656	798	16,842	16	760	16,826	70	0
Stimulation of labor	13,682	643	13,028	11	1,006	12,633	41	*
Tocolysis	260†	60	204	0	71	191	*	*
Ultrasound	56,490	4,064	52,381	45	5,234	51,086	164	6
Other	7,129	494	6,629	6	669	6,434	23	*
Method of delivery								
Vaginal	60,125	2,976	57,094	55	4,172	55,738	184	31
Vaginal after C-Section	1,149	85	1,064	0	99	1,043	6	*
Primary C-Section	12,167	1,969	10,186	12	2,183	9,929	52	*
Repeat C-Section	11,462	816	10,634	12	1,216	10,226	11	9
Forceps	380†	24	352	0	26	349	*	0
Vacuum	2,600	75	2,523	*	123	2,468	9	0

**TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
Births with medical risk factors								
Total	35,447	3,432	31,987	28	4,446	30,886	93	22
Anemia	4,021	362	3,657	*	473	3,535	12	*
Cardiac disease	282	27	255	0	32	250	0	0
Lung disease	870†	73	798	0	89	778	*	0
Diabetes	4,862	373	4,487	*	637	4,213	11	*
Genital herpes	950†	58	891	*	77	872	*	0
Hydramnios/oligohydramnios	1,140†	224	910	*	213	920	*	0
Hemoglobinopathy	20†	*	13	0	*	11	0	0
Chronic hypertension	950†	153	793	*	200	744	*	0
Pregnancy associated hypertension	4,740†	739	4,003	0	882	3,853	*	*
Eclampsia	600†	172	429	0	214	386	*	0
Previous infant 4000+g	290†	9	284	0	15	275	*	0
Previous SGA infant	1,150†	225	926	0	288	861	*	*
Renal disease	119	15	104	0	22	97	0	0
RH sensitization	110†	9	104	0	12	100	*	0
Uterine bleeding	190†	40	149	*	54	134	*	0
Incompetent cervix	168	74	94	0	83	85	0	0
Other	26,397	2,685	23,690	22	3,443	22,863	72	19
Total	7,772	1,402	6,360	10	1,707	6,024	30	11
Abnormal conditions of the newborn								
Anemia	54	16	37	*	21	33	0	0
Birth injury	70†	*	72	0	6	66	*	*
Fetal alcohol syndrome	0	0	0	0	0	0	0	0
Hyaline membrane disease/RDS	208	105	103	0	134	74	0	0
Meconium aspiration syndrome	60†	*	55	0	*	54	*	0
Assisted ventilation <30 min	740†	113	625	*	156	578	*	*
Assisted ventilation >30 min	340†	166	170	*	194	138	*	*
Newborn seizures	10†	*	9	0	0	10	0	0
Other	6,997	1,267	5,722	8	1,526	5,442	22	7
Total	630†	160	469	4	188	441	3	1
Births with congenital anomalies								
Anencephalus	10†	*	7	0	*	7	0	0
Spina bifida/meningocele	20†	*	14	0	6	9	0	0
Hydrocephalus	20†	*	12	0	9	7	0	0
Microcephalus	0†	*	*	0	*	*	*	0

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
Other CNS anomaly	20†	*	14	*	*	14	0	*
Heart malformations	76	21	55	0	20	56	0	0
Other respiratory/circulatory	130†	52	77	*	67	62	*	*
Rectal atresia/stenosis	0†	0	*	0	*	*	0	0
Fistula/esophageal atresia	10†	*	*	0	*	*	0	0
Omphalocele/gastroschisis	22	8	14	0	9	13	0	0
Other gastrointestinal	19	9	10	0	9	9	0	*
Malformed genitalia	10†	*	*	0	*	*	*	0
Renal agenesis	6	0	6	0	0	6	0	0
Other urogenital	46	6	40	0	6	39	0	*
Cleft lip/palate	59	12	47	0	10	49	0	0
Polydactyly/Syndactyly/Adactyly	30†	*	24	0	*	23	0	0
Club foot	51	8	43	0	12	39	0	0
Diaphragmatic hernia	0†	*	*	*	*	*	0	0
Other musculoskeletal	20†	*	22	0	*	19	*	*
Down syndrome	36	9	27	0	14	22	0	0
Other chromosomal	29	13	16	0	10	18	0	*
Other	140†	30	108	0	30	107	*	0
Births with complications	27,211	2,894	24,287	30	3,688	23,414	95	14
Febrile	1,582	78	1,503	*	104	1,466	12	0
Meconium	4,724	173	4,550	*	187	4,506	28	*
Rupture of membrane	1,840†	606	1,232	*	908	931	*	0
Abruption placenta	388	140	248	0	160	228	0	0
Placenta previa	295	73	222	0	116	179	0	0
Other bleeding	310†	42	266	0	52	253	*	*
Seizures	20	6	14	0	10	10	0	0
Precipitous labor	2,093	193	1,888	12	269	1,815	7	*
Prolonged labor	670	36	633	*	43	619	8	0
Dysfunctional labor	1,420†	75	1,338	*	84	1,326	*	0
Breech malpresentation	2,610†	682	1,927	*	786	1,822	*	*
Cephalopelvic disproportion	203	6	197	0	9	194	0	0
Cord prolapse	70†	15	59	0	15	58	*	0
Anesthetic complications	30†	*	25	0	*	25	0	0
Fetal distress	4,047	455	3,591	*	483	3,549	15	0
Other	14,933	1,481	13,436	16	1,890	12,981	53	9

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 "Refused", ^b "Yes, divorced", "unknown".

**TABLE 1B-34
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013**

	TOTAL	Mother's age group										Un- known
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+		
TOTAL	84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	165	9	
Mother's race/ethnicity												
White non-Hispanic	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	87	8	
Hispanic or Latino	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*	
Black or African American	4,726	6	122	379	1,464	1,307	918	425	97	8	0	
American Indian or Alaska Native	5,476	8	243	524	1,778	1,469	924	420	99	11	0	
Asian or Pacific Islander	3,470†	*	11	66	339	996	1,228	649	162	13	0	
Payee for birth												
AHCCCS	45,792	62	1,658	4,369	15,437	12,347	7,427	3,577	842	67	6	
IHS	1,080†	*	60	95	340	304	184	67	23	*	0	
Private insurance	35,000†	*	189	576	5,058	11,106	11,521	5,336	1,122	82	*	
Self	2,950†	*	73	118	595	864	813	397	82	10	*	
Unknown	140†	0	*	8	34	45	24	20	*	*	*	
Mother's education												
<8	1,895	12	31	45	219	446	544	460	125	13	0	
8	1,340	33	109	97	308	318	284	139	46	6	0	
9-11	11,690†	25	1,494	1,617	3,604	2,488	1,500	782	178	*	0	
12	26,230†	0	320	2,781	9,639	7,213	4,070	1,765	410	28	0	
13-16	34,680†	0	17	612	7,375	11,849	9,694	4,213	869	53	*	
17+	8,630†	0	0	*	242	2,236	3,756	1,949	401	39	0	
Unknown	500†	*	14	12	77	116	121	89	42	23	7	
Marital status												
Married	45,610†	0	62	658	7,076	14,928	14,543	6,834	1,390	110	*	
Unmarried	38,352	71	1,922	4,492	14,175	9,429	5,185	2,419	618	37	*	
Other/Unknown ^a	1,010†	0	*	16	213	309	241	144	63	18	*	
Weight gain												
None	1,340†	0	15	62	347	407	287	182	42	*	*	
1-15 pounds	11,592	15	222	614	3,036	3,341	2,624	1,340	366	32	*	
16-20 pounds	10,504	10	275	631	2,731	2,981	2,378	1,211	263	22	*	
21-24 pounds	7,130†	*	145	396	1,743	2,129	1,686	841	174	8	0	
25-30 pounds	18,440†	*	400	1,110	4,503	5,369	4,451	2,093	464	44	0	
31+ pounds	35,394	36	898	2,309	8,932	10,292	8,447	3,677	745	55	*	
Unknown	560†	*	30	44	172	147	96	53	17	*	*	
Substance use												
Drinker, nonsmoker	200†	0	*	*	41	58	51	33	*	0	0	
Smoker, nondrinker	3,620†	0	41	230	1,261	1,060	693	249	74	6	*	
Smoker and drinker	130†	0	*	6	37	41	33	8	*	*	0	
Nonsmoker and nondrinker	81,019	71	1,937	4,926	20,125	23,507	19,192	9,107	1,989	158	7	
Length of gestation												
<37 weeks	7,672	10	179	465	1,868	2,102	1,734	993	273	44	*	
37-41 weeks	76,992	61	1,799	4,685	19,524	22,476	18,166	8,365	1,792	119	*	
42+ weeks	250†	0	7	10	60	73	62	36	6	0	0	
Unknown	50†	0	0	6	12	15	7	*	0	*	0	

**TABLE 1B-34 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013**

	TOTAL	Mother's age group										Un- known		
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+				
Weight at birth														
<1,000 grams	430†	*	11	26	121	119	90	47	18	0	0	0	0	0
1,000-1,499	490†	0	12	35	118	134	113	59	19	*	0	0	0	0
1,500-2,499	4,922	6	113	319	1,304	1,309	1,068	611	162	27	*	*	*	*
2,500-3,999	72,494	61	1,771	4,527	18,574	21,035	16,903	7,794	1,704	121	*	*	*	*
4000+ grams	6,540†	*	75	253	1,320	2,045	1,785	879	165	12	*	*	*	*
Unknown	80†	0	*	6	27	24	10	7	*	*	*	*	*	*
Prenatal care														
No care	1,180†	*	54	98	403	294	190	98	29	8	*	*	*	*
1st trimester	69,076	29	1,245	3,714	16,506	20,601	17,183	7,968	1,704	123	*	*	*	*
2nd trimester	11,511	20	520	1,054	3,591	2,937	2,037	1,060	262	26	*	*	*	*
3rd trimester	3,067	18	163	285	933	797	539	255	70	7	0	0	0	0
Unknown	130†	*	*	15	31	37	20	16	6	*	0	0	0	0
Prenatal visits														
No visits	1,180†	*	54	98	403	294	190	98	29	8	*	*	*	*
1-4 visits	3,190†	11	132	302	1,045	868	520	242	66	*	*	*	*	*
5-8 visits	11,457	24	454	995	3,459	3,010	2,230	1,028	238	19	0	0	0	0
9-12 visits	39,379	14	900	2,473	9,971	11,357	9,345	4,372	867	77	*	*	*	*
13+ visits	29,601	18	441	1,283	6,544	9,096	7,658	3,637	865	56	*	*	*	*
Unknown	160†	*	*	15	42	41	26	20	6	*	0	0	0	0
Newborn intensive care														
Yes	4,515	9	101	260	1,157	1,240	1,006	550	169	21	*	*	*	*
No	80,413	62	1,884	4,906	20,296	23,415	18,956	8,844	1,900	143	7	7	7	7
Unknown	40†	0	0	0	11	11	7	*	*	*	0	0	0	0
Obstetric procedures														
Amniocentesis	180†	0	*	9	38	49	45	24	11	0	0	0	0	0
Electronic fetal monitoring	77,633	64	1,853	4,813	19,851	22,460	18,038	8,497	1,897	152	8	8	8	8
Induction of labor	17,656	13	393	1,177	4,603	5,220	4,037	1,763	431	18	*	*	*	*
Stimulation of labor	13,682	20	451	1,121	3,773	3,914	2,775	1,322	275	31	0	0	0	0
Tocolysis	260†	0	8	12	76	73	57	27	11	0	0	0	0	0
Ultrasound	56,490	42	1,348	3,446	14,174	16,123	13,358	6,426	1,447	121	*	*	*	*
Other	7,129	7	185	475	1,792	1,957	1,755	779	166	10	*	*	*	*
Method of delivery														
Vaginal	60,125	63	1,731	4,213	16,332	17,604	13,293	5,671	1,132	80	6	6	6	6
Vaginal after C-Section	1,150†	0	*	20	183	358	376	174	35	*	0	0	0	0
Primary C-Section	12,167	8	239	790	2,908	3,275	2,851	1,585	464	44	*	*	*	*
Repeat C-Section	11,460†	0	13	138	2,027	3,408	3,433	1,965	439	39	0	0	0	0
Forceps	380†	*	6	31	86	124	87	36	*	0	0	0	0	0
Vacuum	2,600†	*	91	229	710	702	579	227	54	*	0	0	0	0
Total	35,447	49	976	2,116	8,456	9,562	8,096	4,898	1,190	99	5	5	5	5
Births with medical risk factors														
Anemia	4,020†	*	133	266	1,150	1,082	833	421	121	11	0	0	0	0
Cardiac disease	280†	0	*	13	67	82	74	37	*	*	0	0	0	0
Lung disease	870†	*	23	38	241	249	204	93	22	0	0	0	0	0
Diabetes	4,860†	*	22	113	728	1,287	1,422	982	286	20	0	0	0	0

**TABLE 1B-34 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013**

	TOTAL	Mother's age group										Un- known
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+		
Genital herpes	950†	*	*	20	214	272	256	141	39	*	0	
Hydramnios/oligohydramnios	1,140†	0	22	55	238	305	281	179	52	*	*	
Hemoglobinopathy	20†	0	0	0	*	6	*	*	*	0	0	
Chronic hypertension	950†	0	*	21	108	235	288	211	69	8	*	
Pregnancy associated hypertension	4,742	7	102	295	1,081	1,327	1,160	604	156	9	*	
Eclampsia	600†	*	13	37	134	152	144	82	33	*	0	
Previous infant 4000+g	290†	0	0	*	40	90	98	47	11	*	0	
Previous SGA infant	1,150†	*	*	35	236	350	319	169	37	*	0	
Renal disease	120†	0	*	6	24	36	33	15	*	0	0	
RH sensitization	110†	*	*	*	23	32	35	16	*	0	0	
Uterine bleeding	190†	*	10	12	32	57	48	20	8	*	0	
Incompetent cervix	170†	0	0	8	33	48	49	24	6	0	0	
Other	26,397	46	844	1,709	6,444	6,895	5,667	3,765	945	78	*	
Total	7,772	10	214	536	2,099	2,192	1,675	824	203	17	2	
Abnormal conditions of the newborn	50†	0	*	6	14	13	10	8	*	0	0	
Anemia	70†	0	0	*	11	21	29	8	*	0	0	
Birth injury	0†	0	0	0	0	0	0	0	0	0	0	
Fetal alcohol syndrome	210†	*	*	11	70	64	36	14	*	*	0	
Hyaline membrane disease/RDS	60†	0	*	6	15	16	15	6	*	0	0	
Meconium aspiration syndrome	740†	*	17	47	154	220	181	89	27	*	0	
Assisted ventilation <30 min	340†	0	7	18	98	101	63	38	12	0	0	
Assisted ventilation >30 min	10†	0	0	0	0	*	*	0	0	0	0	
Newborn seizures	6,997	9	193	499	1,927	1,947	1,488	739	178	15	*	
Other	630†	0	21	30	155	167	149	79	29	2	1	
Births with congenital anomalies	10†	0	*	0	0	6	*	0	*	0	0	
Anencephalus	20†	0	*	*	7	*	*	*	0	0	0	
Spina bifida/meningocele	20†	0	*	*	*	*	*	*	0	0	0	
Hydrocephalus	0†	0	0	0	*	*	*	*	0	0	0	
Microcephalus	20†	0	0	0	*	0	0	*	*	0	0	
Other CNS anomaly	80†	0	*	*	6	6	*	*	0	0	0	
Heart malformations	130†	0	*	*	21	19	17	13	*	0	0	
Other respiratory/circulatory	0†	0	0	0	0	*	*	0	0	0	0	
Rectal atresia/stenosis	10†	0	0	*	*	0	*	0	*	0	0	
Fistula/esophageal atresia	20†	0	*	*	11	*	*	0	0	0	0	
Omphalocele/gastroschisis	20†	0	0	*	7	*	*	*	0	0	0	
Other gastrointestinal	10†	0	*	*	*	*	*	0	0	0	0	
Malformed genitalia	10†	0	0	0	0	*	*	*	0	0	0	
Renal agenesis	50†	0	0	*	13	16	10	*	*	0	0	
Other urogenital												

**TABLE 1B-34 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013**

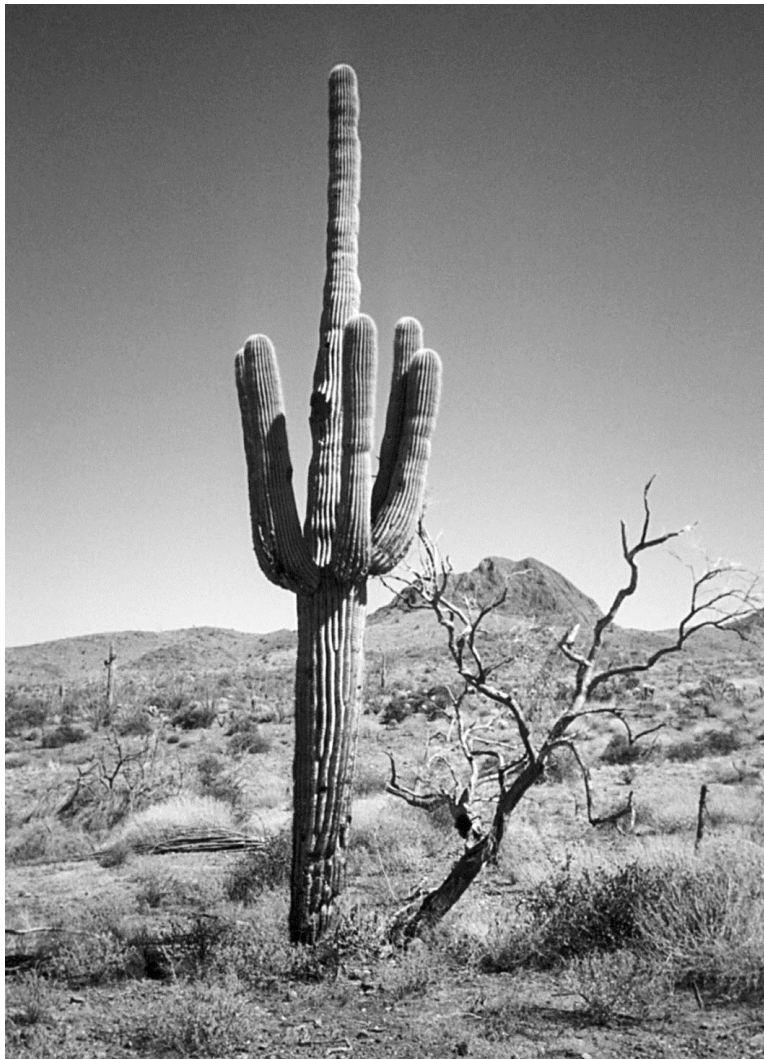
	TOTAL	Mother's age group										Un- known
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+		
Cleft lip/palate	60†	0	*	*	15	13	12	14	*	0	0	0
Polydactyly/Syndactyly/Adactyly	30†	0	*	*	6	*	6	6	0	0	0	0
Club foot	50†	0	0	*	12	14	15	7	*	0	0	0
Diaphragmatic hernia	0†	0	*	*	*	0	*	0	0	0	0	0
Other muscoskeletal	20†	0	0	0	6	10	*	*	0	0	0	0
Down syndrome	40†	0	0	0	6	9	9	8	*	0	0	0
Other chromosomal	30†	0	*	*	*	9	8	*	*	0	0	0
Other	140†	0	7	6	32	31	38	18	*	*	0	0
Total	27,211	27	726	1,774	7,117	7,603	6,195	2,996	718	52	3	3
Births with complications of labor	1,580†	*	74	161	503	399	292	119	30	*	0	0
Meconium	4,724	6	159	350	1,277	1,344	1,051	436	94	7	0	0
Rupture of membrane	1,840†	*	45	119	478	550	404	198	43	*	0	0
Abruption placenta	390†	0	11	25	99	99	97	41	16	0	0	0
Placenta previa	300†	0	*	*	33	72	91	65	22	*	0	0
Other bleeding	310†	*	8	26	85	84	56	41	*	*	0	0
Seizures	20†	*	*	*	6	*	*	*	*	*	0	0
Precipitous labor	2,090†	*	62	101	487	579	511	290	54	*	*	*
Prolonged labor	670†	0	19	55	182	186	152	58	18	0	0	0
Dysfunctional labor	1,420†	0	46	136	424	398	252	117	38	*	0	0
Breech malpresentation	2,610†	0	37	118	529	695	706	417	103	*	*	*
Cephalopelvic disproportion	200†	0	7	20	54	52	47	22	*	0	0	0
Cord prolapse	70†	0	*	*	19	18	18	10	*	0	0	0
Anesthetic complications	30†	0	0	*	6	7	6	*	*	0	0	0
Fetal distress	4,050†	*	91	247	923	1,136	981	517	144	6	0	0
Other	14,933	19	412	1,063	4,202	4,171	3,205	1,471	362	26	*	*

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a "Refused", "yes, divorced", "unknown".

**TABLE 1B-35
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY MOTHER'S RACE/ETHNICITY AND
CHILD'S GENDER, ARIZONA, 2013**

	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	84,963	43,638	41,325	38,220	19,605	18,615	33,075	16,981	16,094	4,726	2,447	2,279	5,476	2,824	2,652	3,466	1,781	1,685
Births with congenital anomalies	633	354	279	263	150	113	265	139	126	41	27	14	46	27	19	18	11	7
Anencephalus	10†	*	7	10†	*	*	0†	*	*	0†	0	*	0	0	0	0	0	0
Spina bifida/meningocele	15	6	9	10†	*	*	0†	*	*	0	0	0	0†	0	*	0	0	0
Hydrocephalus	16	9	7	10†	*	*	10†	*	*	0†	*	0	0†	0	*	0	0	0
Microcephalus	0†	*	*	0†	*	*	0†	*	0	0	0	0	0	0	0	0	0	0
Other CNS anomaly	20	9	11	12	6	6	10†	*	*	0	0	0	0	0	0	0†	0	*
Heart malformations	76	43	33	34	16	18	31	19	12	10†	*	0	0†	*	*	0†	*	*
Other respiratory/circulatory anomalies	131	74	57	25	15	10	85	46	39	13	7	6	10†	*	0	0†	*	*
Rectal atresia/stenosis	0†	*	0	0†	*	0	0†	*	0	0	0	0	0	0	0	0	0	0
Tracheo-esophageal fistula/esophageal atresia	10†	*	*	0†	*	*	0†	*	*	0	0	0	0†	0	*	0†	*	0
Omphalocele/gastroschisis	22	9	13	10†	7	*	10†	*	6	0	0	0	0†	0	*	0	0	0
Other gastrointestinal anomalies	19	8	11	10†	*	*	10†	*	*	0	0	0	0†	*	*	0	0	0
Malformed genitalia	10†	*	*	0†	*	0	0†	*	*	0†	*	0	0†	*	*	0	0	0
Renal agenesis	10†	*	*	0†	*	*	0†	*	*	0†	*	0	0	0	0	0	0	0
Other urogenital anomalies	46	37	9	20	14	6	20†	19	*	0†	*	0	0†	*	0	0†	*	0
Cleft lip/palate	59	36	23	21	15	6	21	11	10	0†	*	0	12	6	6	0†	*	*
Polydactyly/Syndactyly/Adactyly	27	18	9	15	9	6	10†	*	*	0†	*	0	10†	*	0	0	0	0
Club foot	51	31	20	27	16	11	19	12	7	0†	*	*	0†	*	*	0	0	0
Diaphragmatic hernia	0†	*	0	0†	*	0	0	0	0	0	0	0	0†	*	0	0	0	0
Other musculoskeletal/integumental anomalies	23	11	12	10†	*	*	10†	6	*	0†	*	*	0†	*	*	0†	0	*
Down syndrome	36	21	15	24	16	8	10†	*	6	0†	0	*	0	0	0	0	0	0
Other chromosomal anomalies	29	19	10	10†	7	*	10†	8	*	0†	*	0	0†	0	*	0†	*	0
Other congenital anomalies	138	68	70	65	33	32	45	19	26	10†	9	*	10†	*	*	10†	*	*
Ratio per 100 births^a	0.7	0.8	0.7	0.7	0.8	0.6	0.8	0.8	0.8	0.9	1.1	0.6	0.8	1.0	0.7	0.5	0.6	0.4

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 For denominators see Table 5B-8.



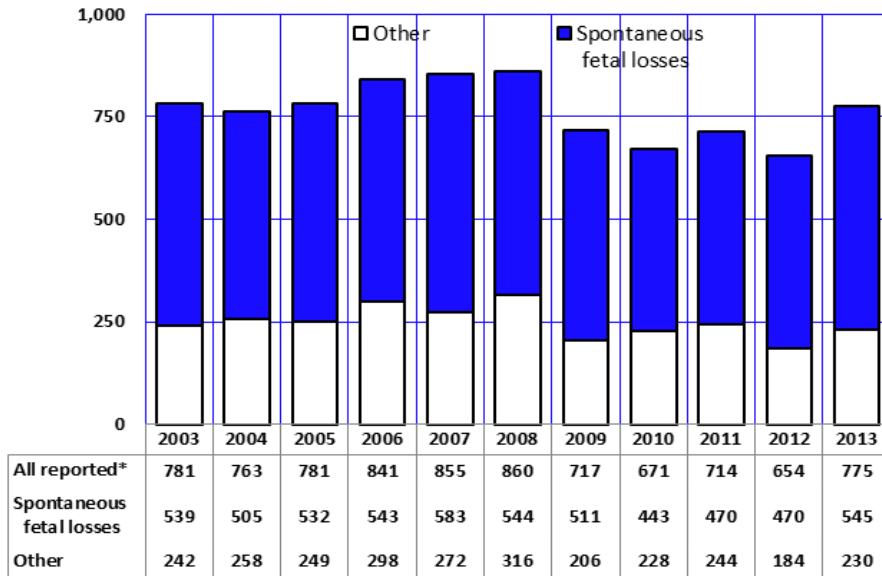
1C.

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

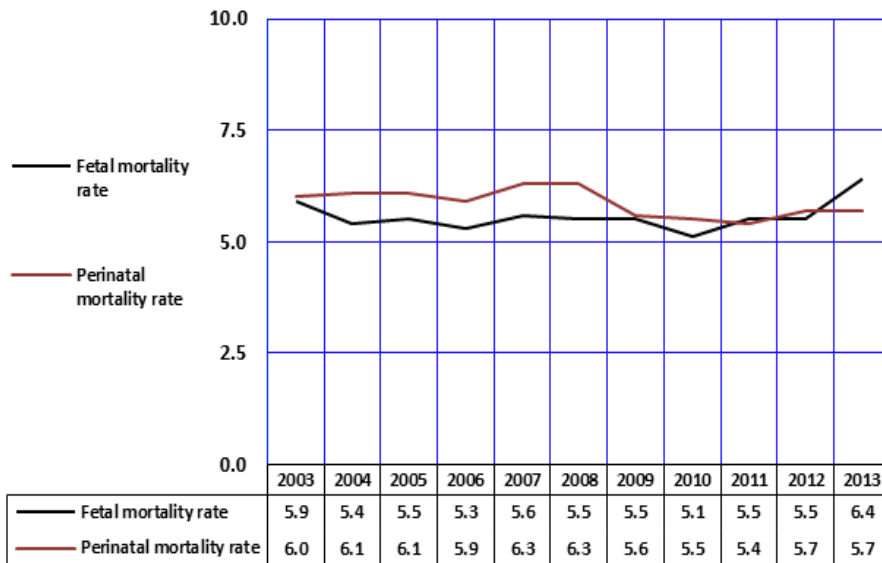
Figure 1C-1
Trends in Fetal Deaths, Arizona, 2003-2013



The number of all reported fetal deaths in Arizona (including late term abortions) in 2013 was 775, an 18.5 percent increase from 2012 (**Figure 1C-1, Table 1C-3**). In 2013, the annual number of reportable spontaneous fetal losses increased 16.0 percent from 2012, but remained lower than the recent high of 583 in 2007 (**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, 2003 – 2013



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 death rate per 1,000 live births and fetal deaths remained stable at 5.7/1,000 in 2012 and 2013 (**Figure 1C-2, Table 1C-3**).

Early infant deaths accounted for 221 or 45.8 percent of the 483 perinatal deaths in 2013 (**Figure 1C-2, Table 1C-3**).

The fetal mortality rate of 6.4 fetal deaths at 20 or more weeks of gestation per 1,000 live births in 2013 was the highest rate in the past decade, while the actual number of reportable spontaneous fetal losses was lower than the recent high of 583 reportable spontaneous fetal losses occurring in 2007. The number of spontaneous fetal losses in 2013 (n = 545) was 16.0 percent greater than the 470 spontaneous fetal losses reported in 2011 and 2012.

Notes: ^a Rate 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, 2003 - 2013

In 2013, 9 women giving birth were reported to have died from maternal causes (**Table 1C-1**). 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 94 maternal deaths from 2003 to 2013, women age 35 and greater had the highest proportional contribution to maternal mortality (43.6 percent), followed by women age 25 - 34 (39.4 percent), and women age 24 and younger (17.0 percent; **Figure 1C-3**).

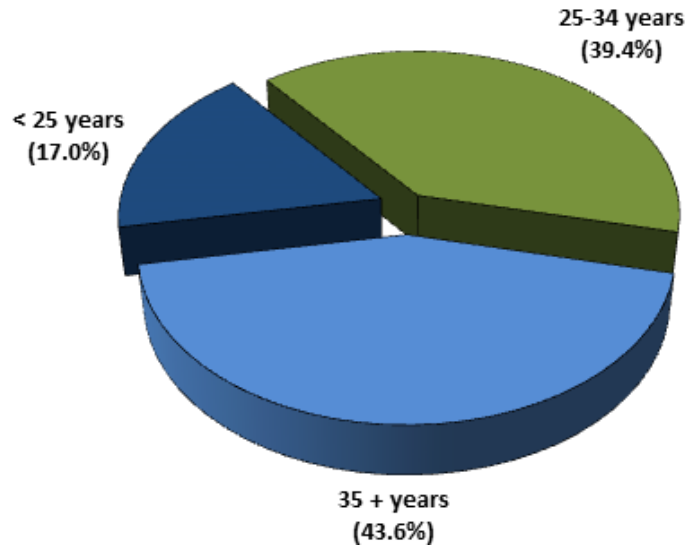
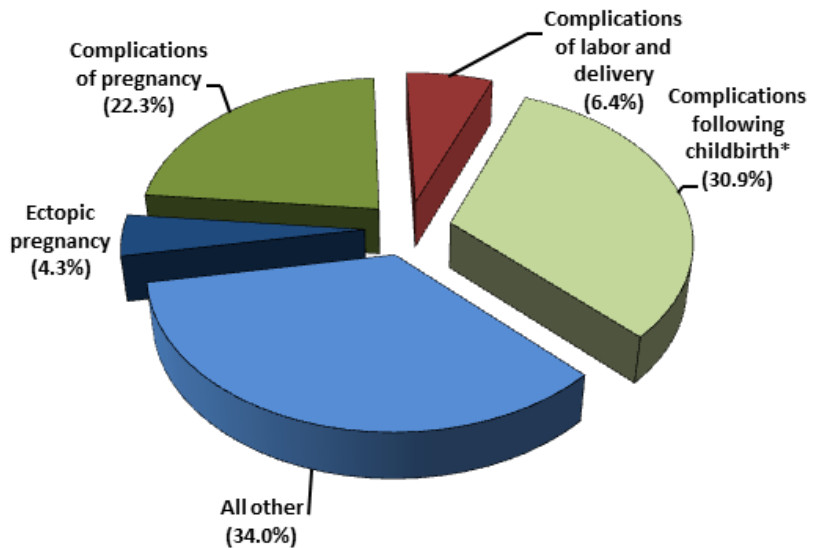


Figure 1C-4
Causes of Maternal Mortality^a, Arizona, 2003 - 2013

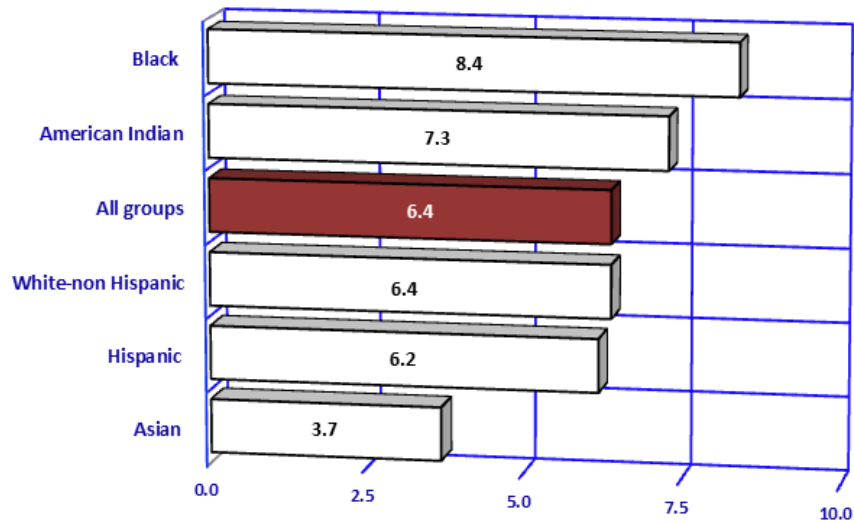
In the eleven-year period from 2003 to 2013, the major causes of maternal deaths in the State have included complications following childbirth (i.e. complications of the puerperium; 30.9 percent), complications mainly related to pregnancy (22.3 percent), complications occurring in the course of labor and delivery (6.4 percent), and ectopic pregnancy (4.3 percent). All other possible causes of maternal death accounted for 34.0 percent of the maternal deaths from 2003 to 2013 (**Figure 1C-4, Table 1C-2**).



Notes: ^a Based on the total number of maternal deaths from 2003 to 2013; * Complications of the puerperium.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

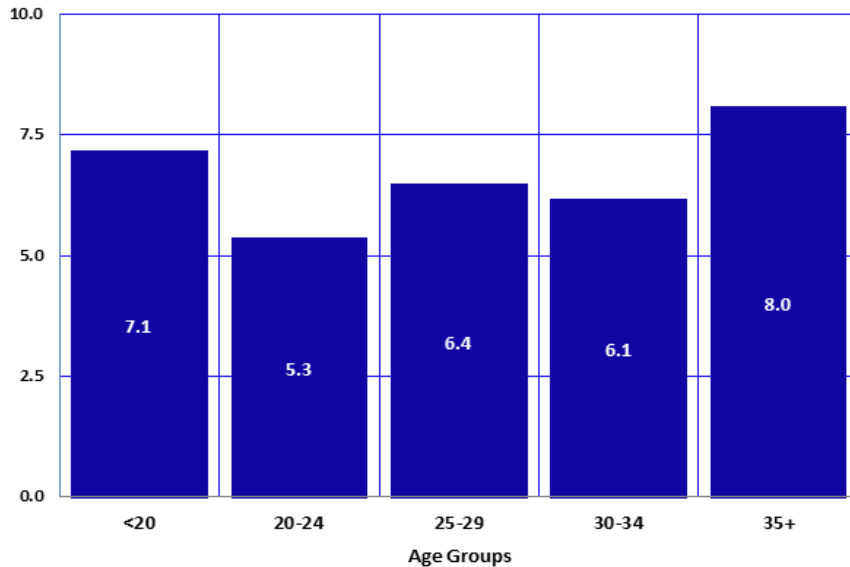
Figure 1C-5
Fetal Mortality Rates^a by Race/Ethnicity, Arizona, 2013



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 8.4/1,000 live births and fetal deaths, the highest rate among the racial/ethnic groups. The 2013 fetal mortality rate was 7.3 for American Indian women, 6.4 for White non-Hispanic women, 6.2 for Hispanic or Latino women, and 3.7 for Asian women.

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

Figure 1C-6
Fetal Mortality Rates^a by Mother's Age Group, Arizona, 2013



Fetal mortality rates also vary by maternal age (**Figure 1C-6**). In 2013, fetal mortality rates were lowest for women aged 20-24 years and highest for those aged 35 years and older. The fetal mortality rate for mothers age 35 and older increased by 6.7 percent from 2012.

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, 2003-2013**

Year	Total maternal deaths	Under <15	15-19	20-24	25-29	30-34	35-39	40-44	45+
2003	10†	0	0	0	*	*	*	0	0
2004	0†	0	0	*	*	0	0	0	0
2005	10†	0	0	*	*	0	*	*	0
2006	10†	0	*	*	*	*	*	*	0
2007	10†	0	*	0	0	*	*	*	0
2008	10†	0	0	*	*	*	*	0	0
2009	10†	0	0	0	*	*	*	0	0
2010	10†	0	*	*	*	*	*	*	*
2011	10†	0	0	*	*	0	*	*	0
2012	20†	0	0	0	*	*	*	*	*
2013	10†	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; ^a Maternal deaths are those assigned to complications of pregnancy, childbirth and puerperium, category numbers 630-676 of the Ninth Revision, *International Classification of Diseases*; beginning in 2000, these are category codes O00-O99 according to the Tenth Revision of the *International Classification of Diseases*.

**TABLE 1C-2
MATERNAL DEATHS BY CAUSE AND YEAR, ARIZONA, 2003-2013**

Cause of death (ICD-9/ICD-10 codes)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
PREGNANCY WITH ABORTIVE OUTCOME (630-636/O00-O07)	0	0	0	*	*	*	*	0	0	0	*
Ectopic pregnancy (633/O00)	0	0	*	*	*	*	0	0	0	0	0
COMPLICATIONS MAINLY RELATED TO PREGNANCY (640-648/O10-O16)	*	0	0	0	*	*	*	*	*	*	*
COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (660-669/O60-O75)	0	*	0	*	0	*	*	0	0	0	*
COMPLICATIONS OF THE PUERPERIUM^a (670-676/O85-O92)	*	0	*	*	*	*	*	*	*	7	0
ALL OTHER	*	*	*	*	*	*	0	*	*	8	*
TOTAL	10†	0†	10†	10†	10†	10†	10†	10†	10†	20†	10†

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; in parentheses are category codes from the Ninth Revision/Tenth Revision of the *International Classification of Diseases*.

**TABLE 1C-3
FETAL AND PERINATAL DEATHS AND RATES BY YEAR, ARIZONA, 2003-2013**

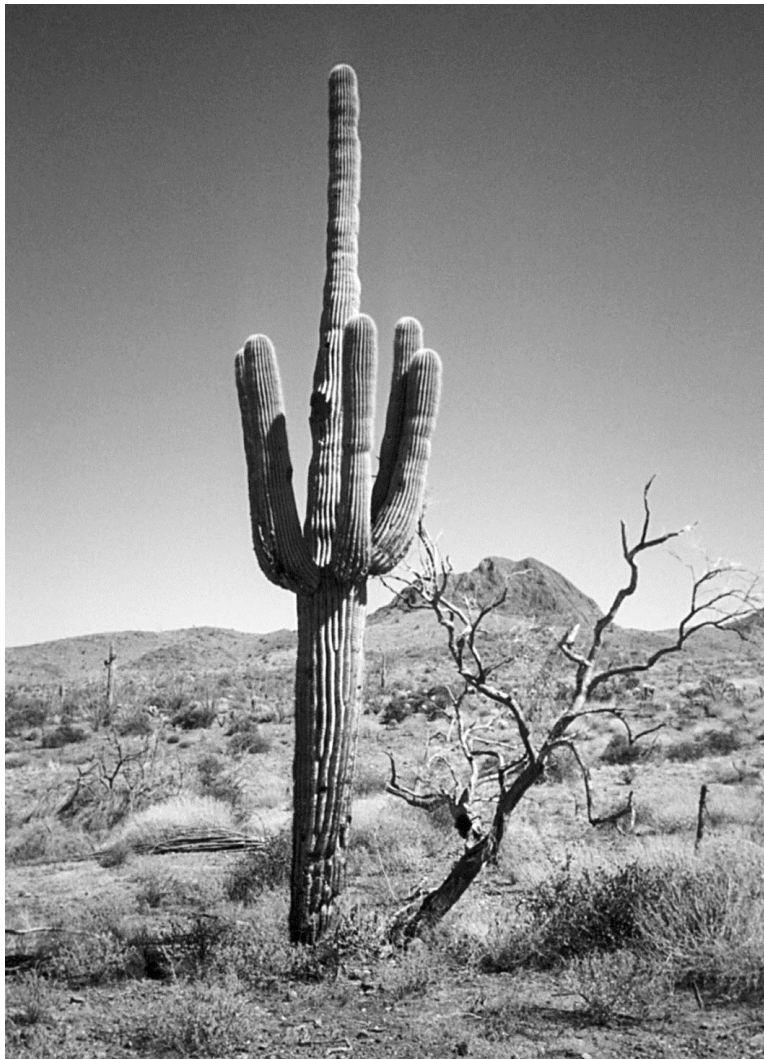
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
NUMBER OF ALL REPORTED FETAL DEATHS Include spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age unknown, the deaths of fetuses of at least 350 grams or more) and some stillbirths prior to 20 weeks and of any weight. Excludes fetal deaths occurring in Arizona to out-of-State residents.	781	763	781	841	855	860	717	671	714	654	775
NUMBER OF REPORTABLE FETAL DEATHS Include 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)	628	581	597	690	729	724	621	581	619	588	554
NUMBER OF REPORTABLE SPONTANEOUS FETAL LOSSES Include 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), exclude induced terminations of pregnancy	539	505	532	543	583	544	511	443	470	470	545
RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES^a	5.9	5.4	5.5	5.3	5.6	5.5	5.5	5.1	5.5	5.5	6.4
NUMBER OF PERINATAL DEATHS:	550	590	588	599	649	632	524	483	465	487	483
Spontaneous fetal losses of 28 or more weeks of gestation	252	271	266	259	290	293	243	214	216	221	262
Infant deaths of less than 7 days	298	319	322	340	359	339	281	269	249	266	221
PERINATAL DEATH RATE^b	6.0	6.1	6.1	5.9	6.3	6.3	5.6	5.5	5.4	5.7	5.7

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

**TABLE 1C-4
SELECTED CHARACTERISTICS OF REPORTABLE SPONTANEOUS^a FETAL LOSSES BY YEAR, ARIZONA, 2003-2013**

Characteristic	Year										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total reportable spontaneous fetal losses	539	505	532	543	583	544	511	443	470	470	545
Gender											
Male	296	231	262	286	300	295	262	229	218	239	260
Female	240	270	268	252	277	246	244	208	245	222	256
Unknown	*	*	*	*	*	*	*	*	6	7	29
Mother's race/ethnicity											
White non-Hispanic	199	210	208	210	215	198	197	156	192	195	247
Hispanic or Latino	246	214	232	244	267	234	204	198	181	181	205
Black or African American	41	30	33	39	44	44	52	39	27	36	40
Native	41	31	45	38	39	47	46	30	43	43	40
Asian or Pacific Islander	8	17	11	10	17	19	11	17	27	15	13
Unknown	*	*	*	*	*	*	*	*	0	0	0
Mother's age group											
<15	*	*	0	*	*	*	0	*	0	*	0
15-17	31	25	29	31	38	22	26	18	14	16	18
18-19	55	50	44	49	46	49	40	33	35	37	34
20-24	134	130	141	117	152	132	111	104	117	130	115
25-29	140	106	125	138	144	141	126	114	111	100	159
30-34	93	105	112	98	99	113	105	74	114	98	123
35-39	62	67	58	73	81	63	76	75	56	58	79
40-44	17	17	17	26	15	18	24	20	22	27	13
45+	*	*	*	*	*	*	*	*	*	*	*
Unknown	*	*	*	*	*	*	*	*	0	*	*
Gestational age^b											
20-27 weeks	285	254	263	284	292	250	264	227	255	248	282
28+ weeks	252	249	266	259	290	293	243	214	215	221	262
Unknown	*	*	*	0	*	*	*	*	0	*	*
Weight in grams											
<350 grams	90	83	95	101	96	63	110	105	96	119	108
350-499	95	83	79	106	83	54	69	66	80	68	73
500-2,500	243	219	225	223	264	253	219	173	193	179	229
2,501-3,999	86	84	102	88	108	103	89	74	80	87	103
4,000+	12	21	13	13	19	9	13	20	11	14	6
Unknown	13	15	18	12	13	62	11	*	10	*	26

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

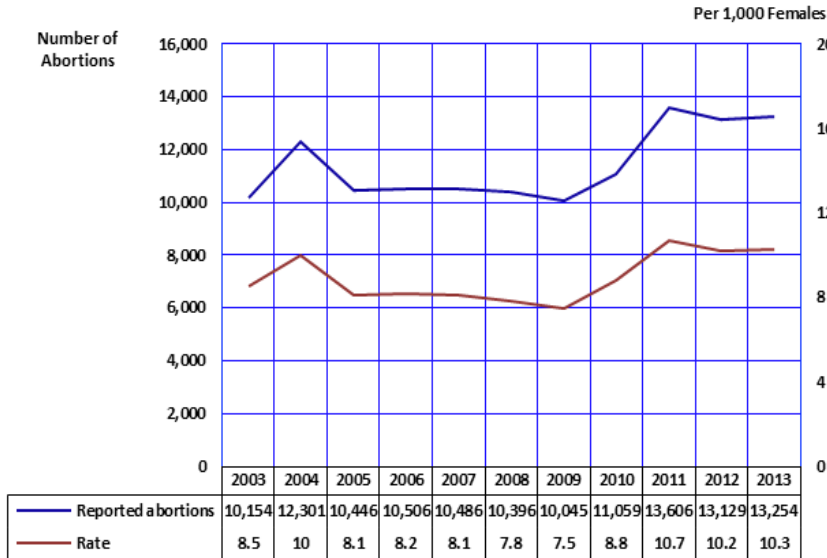
In July 1976, the Arizona Department of Health Services (ADHS) began an Abortion Surveillance Program (*Arizona Administrative Code, R9-19-302D*, as authorized by the *Arizona Revised Statute 36-344*). The program required the reporting of induced terminations of pregnancy performed in hospitals, outpatient treatment centers, and physicians' offices throughout the State.

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 office of the Courts were 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 was begun 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 2013, 14.6 percent (n = 1,933) of abortion records had race and ethnicity identified as unknown, and 32.1 percent (n = 4,257) of abortion records had two or more racial/ethnic group identified. Due to the large 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, 2003-2013



In calendar year 2013, the Arizona Department of Health Services received 13,254 reports of abortions obtained by Arizona residents, 125 more than the 13,129 reported in 2012 (**Figure 1-D1, Table 1D-1**).

There were 13,023 abortions in non-hospital clinics (**Table 1D-1**). Hospitals accounted for 152 abortion procedures, with 79 procedures being performed outside of clinics and hospitals.

Ninety-one percent of all reported abortions occurred at or before 13 weeks of pregnancy. Few reported abortions occurred after 14 or more weeks of gestation: 8.9 percent at 14 weeks or more (percentages based on data in **Table 1D-3**).

^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, 2003-2013

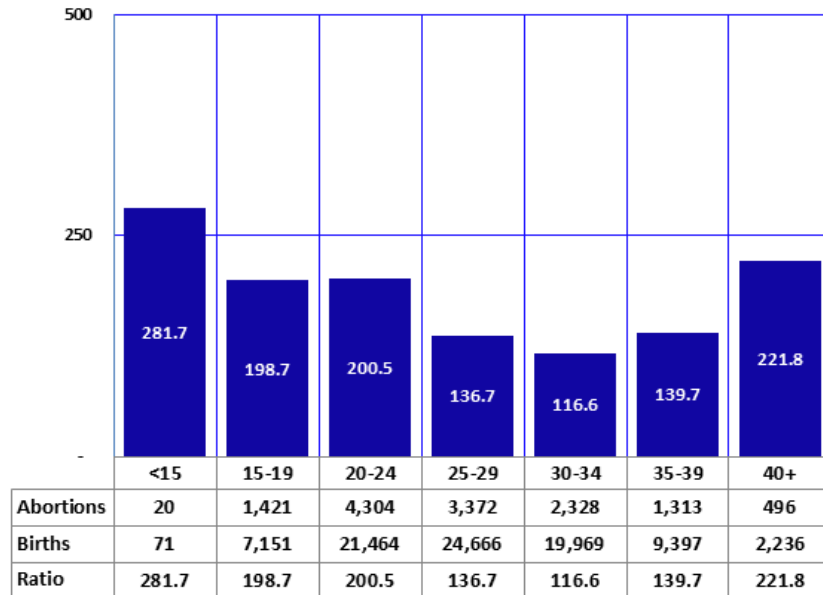


The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 increased slightly from 10.2 in 2012 to 10.3 in 2013 (**Table 1D-1**). The relative stability in the abortion ratios and rates from 2011 through 2013, when compared to the variability observed from 2010 to 2011, reflects the new reporting abortion requirements implemented mid-year in 2010.

Trends in the percent of abortions conducted through surgical and non-surgical means from 2003 to 2013 indicate shifting practices in methods used to complete abortions. In 2003, 76.0 percent of all abortion procedures were surgical procedures. By 2009, the number of abortions performed by surgical versus non-surgical means was nearly equal. Since then, the proportion of abortions conducted through surgical means has again increased, with 71.9 percent of all abortion procedures conducted in 2013 being surgical procedures.

1D. ABORTIONS

Figure 1D-3
Abortion Ratios^a by Age Group, Arizona Residents, 2013

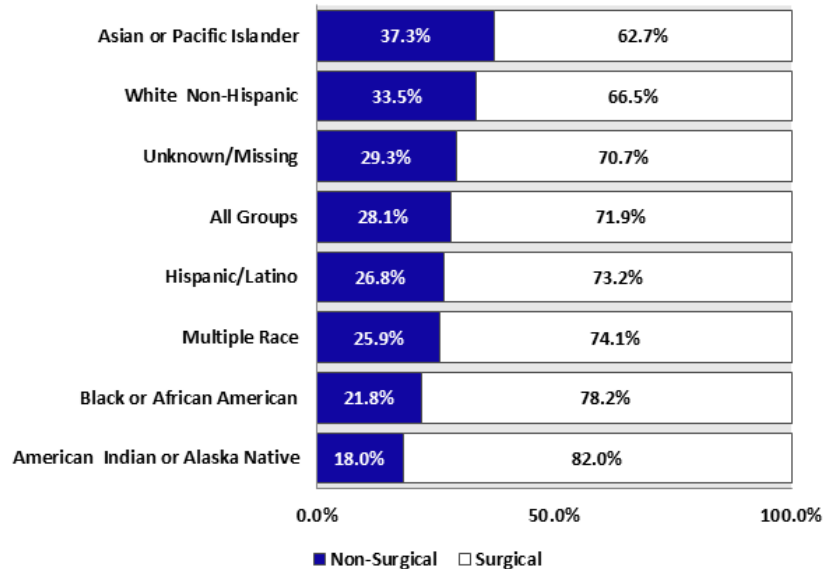


Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age at reported termination of pregnancy. Ratios tend to be higher at the extremes of the age distribution of the childbearing period, i.e. among women under age 15 and those aged 40 years or older (**Figure 1D-3**).

A comparison of age-specific abortion ratios by race/ethnicity is provided in **Table 1D-5**.

Notes: ^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, 2013



In 2013, non-surgical (also called “medical”) abortions made up 28.1 percent of all procedures reported in Arizona. Among Asians, White non-Hispanics, and cases with unknown or missing race/ethnicity, the proportion of non-surgical abortions exceeded the average for all groups (**Figure 1D-4**). The ratios of non-surgical abortions among American Indian women, Black or African American women, women reporting 2 or more racial/ethnic categories, and Hispanic or Latino women were the lowest among racial/ethnic groups.

Notes: ^a Non-surgical: Mifepristone, Methotrexate, RU486, etc.; Reporting changes related to race/ethnicity makes comparisons with previous years difficult.

**TABLE 1D-1
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2003-2013**

Characteristics	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ABORTIONS PERFORMED IN ARIZONA	10,316	12,690	10,723	10,836	10,721	10,660	10,271	11,438	14,401	13,340	13,401
RESIDENT ABORTIONS	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	13,254
RACE/ETHNICITY											
White non-Hispanic	4,887	5,276	4,431	5,106	5,202	4,737	4,759	5,241	2,385	1,904	2,515
Hispanic or Latino	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	4,274	3,393	4,189
Black or African American	495	723	585	581	675	744	736	476	145	116	189
American Indian or Alaska Native	357	341	353	342	310	297	300	218	48	38	61
Asian or Pacific Islander	272	444	379	391	454	412	390	254	47	75	110
Multiple race ^a	NA	NA	NA	NA	NA	NA	NA	NA	4,442	2,985	4,257
Unknown	702	1,032	1,586	926	126	1,082	557	1,448	2,265	4,618	1,933
AGE											
19 years and under	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	1,785	1,539	1,441
20-29 years	5,531	6,800	5,684	5,770	5,839	5,854	5,753	6,278	7,814	7,602	7,676
30 years and over	2,431	2,939	2,436	2,702	2,652	2,403	2,532	3,113	4,007	3,987	4,136
Not stated	325	342	434	115	16	326	241	156	NA	NA	*
YEARS OF EDUCATION											
Elementary/secondary (1-12)	2,444	3,321	1,435	6,226	9,293	6,964	5,244	4,316	4,757	3,615	2,400
College (1-4 or 5+)	1,889	2,726	1,330	1,415	1,193	2,565	3,372	3,199	2,252	2,518	2,522
Not stated or unknown	5,821	6,254	7,681	2,865	0	867	1,429	3,544	6,597	6,996	8,332
WEEKS OF GESTATION											
12 weeks or under	8,093	10,678	8,558	9,470	9,498	9,175	9,238	9,967	12,156	11,677	11,767
13 weeks or over	998	1,224	1,068	948	974	916	597	948	1,427	1,432	1,487
Not stated or unknown	1,063	399	820	88	14	305	210	144	23	20	0
FACILITY											
Clinic	9,158	12,281	10,442	10,560	10,486	10,391	9,362	9,689	14,358	13,072	13,023
Hospital	*	0	0	0	0	0	0	16	42	54	152
Other	995	20	*	0	0	*	683	^d 1354	0	*	79

**TABLE 1D-1 (continued)
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2003-2013**

Characteristics	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
PREVIOUS LIVE BIRTHS											
None	4,446	5,215	4,593	4,798	4,517	4,441	4,377	4,867	5,820	5,829	5,810
One or more	5,708	7,086	5,853	5,708	5,969	5,955	5,668	6,178	7,772	7,280	7,387
PREVIOUS ABORTIONS											
None	6,606	7,778	6,453	6,390	6,453	6,338	5,874	6,746	8,382	8,445	8,450
One or more	3,548	4,523	3,993	4,116	4,033	4,058	4,171	4,282	5,183	4,616	4,672
PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY											
None	8,780	10,454	8,916	8,864	8,807	8,756	8,424	9,300	11,257	10,941	10,825
One or more	1,374	1,847	1,530	1,642	1,679	1,640	1,621	1,643	2,301	2,108	2,283
NONSURGICAL ABORTIONS											
	2,435	3,572	3,078	3,088	3,761	3,993	5,018	4,983	5,108	4,198	3,720
ABORTION RATIO^b											
	111.9	131.7	109.0	103.0	102.1	104.8	108.5	127.0	159.7	153.0	156.0
ABORTION RATE^c											
	8.5	10.0	8.1	8.2	8.1	7.8	7.5	8.8	10.7	10.2	10.3

Notes: *Cell suppressed due to count less than 6; ^a Multiple race data was not available for previous years (2001-2010); ^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 RATIOS³ OF ABORTIONS BY RACE/ETHNICITY PER YEAR, ARIZONA, 2003-2013**

Race and Ethnicity	Year										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ^e
Percent of Abortions^b											
White non-Hispanic	48.1	42.9	42.4	48.6	49.6	45.6	47.4	47.4	17.5	14.5	19.0
Hispanic or Latino	33.9	36.5	29.8	30.1	35.5	30.1	32.9	30.9	31.4	25.9	31.6
Black or African American	4.9	5.9	5.6	5.5	6.4	7.2	7.3	4.3	1.1	0.9	1.4
American Indian Alaska Native	3.5	2.8	3.4	3.3	3.0	2.9	3.0	2.0	0.4	0.3	0.5
Asian or Pacific Islander	2.7	3.6	3.6	3.7	4.3	4.0	3.9	2.3	0.4	0.6	0.8
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.7	22.7	32.1
Unknown	6.9	8.4	15.2	8.8	1.2	10.4	5.6	13.1	16.7	35.2	14.6
Abortion Rates^c											
White non-Hispanic	6.9	7.7	5.7	7.2	7.3	6.5	6.4	8.2	3.7	2.9	3.8
Hispanic or Latino	10.2	12.9	8.6	8.1	9.2	7.6	8.0	8.1	10.0	7.6	9.2
Black or African American	11.8	17.7	13.0	10.3	12.7	13.8	13.3	8.5	2.5	2.0	3.2
American Indian Alaska Native	5.1	5.1	5.1	4.4	3.8	3.6	3.6	3.2	0.6	0.6	0.9
Asian or Pacific Islander	8.3	14.7	11.3	9.3	10.4	9.3	8.7	5.2	0.9	1.6	2.3
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA
Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA
Abortion Ratio^d											
White non-Hispanic	126	134	112	119	123	113	115	135	62	49	66
Hispanic or Latino	88	110	74	70	81	73	86	100	129	102	126
Black or African American	164	225	170	150	162	173	168	110	33	24	40
American Indian Alaska Native	61	56	56	54	48	47	49	38	44	7	11
Asian or Pacific Islander	108	170	135	125	133	120	115	77	8	21	32
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA
Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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 obtained by women, ages 15-44 in a given race and/or ethnic group per 1,000 live births to women in the same group; ^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, 2013**

Age	Gestational Age ^a					
	≤13 weeks		14 to 20 weeks		≥21 or more weeks	
	Count	Percent	Count	Percent	Count	Percent
<15 yrs	18	90.0	*	**	0	0.0
15-19 yrs	1,245	87.7	158	11.1	17	1.2
20-24 yrs	3,926	91.4	340	7.9	31	0.7
25-29 yrs	3,093	91.9	239	7.1	35	1.0
30-34 yrs	2,135	91.9	164	7.1	23	1.0
35-39 yrs	1,189	91.0	93	7.1	25	1.9
≥40 yrs	439	88.5	51	10.3	6	1.2
Totals	12,045	91.0	1,050[†]	7.9	137	1.0

Notes: * Cell suppressed due to count less than 6; [†] Sum rounded to nearest tens unit due to addend less than 6; ^a Totals do not add to 13,254 due to 25 unknown gestational age.

**TABLE 1D-4
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2013**

Week of gestation	Total	Race/ethnicity							
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Multiple race	Unknown race	
Total	13,254	2,515	4,189	190†	60†	110†	4,257	1,933	
6 weeks or less	3,639	725	1,061	30	13	36	1,118	656	
7	2,865	598	914	30	8	33	908	374	
8	2,062	424	673	34	8	12	663	248	
9	1,160†	198	371	21	9	*	402	155	
10	910†	148	308	15	*	6	305	125	
11	720†	109	250	13	*	*	255	89	
12	380†	71	131	6	*	*	105	63	
13	300†	43	118	*	*	*	103	32	
14	270†	40	86	14	*	*	92	40	
15	260†	29	77	7	*	*	91	50	
16	150†	28	46	*	*	0	45	26	
17	130†	16	37	*	*	*	52	21	
18	90†	19	29	*	*	*	26	10	
19	90†	18	26	0	*	0	29	15	
20	50†	11	15	*	0	0	19	7	
21+	140†	27	41	*	*	*	44	18	
Unknown	30†	11	6	*	0	0	0	*	

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

**TABLE 1D-5
ABORTIONS DUE TO FETAL OR MATERNAL MEDICAL CONDITION, ARIZONA RESIDENTS, 2013**

Maternal characteristics	Count (n = 141)	Percent	Maternal characteristics	Count (n = 76)	Percent
Age					
≤15-19 yrs	4	2.8	≤15-19 yrs	5	6.6
20-24 yrs	23	16.3	20-24 yrs	12	15.8
25-29 yrs	33	23.4	25-29 yrs	14	18.4
30-34 yrs	32	22.7	30-34 yrs	21	27.6
35-44 yrs	49	34.8	35-44 yrs	24	31.6
Gestational age					
≤ 13 weeks	40	28.4	≤13 weeks	40	52.6
14 to 20 weeks	72	51.1	14 to 20 weeks	15	19.7
≥ 21 weeks	26	18.4	21 weeks	5	6.6
Unknown	0	0.0	Unknown	16	21.1
Procedure Type					
Surgical	125	88.7	Surgical	69	90.8
Non-Surgical/Medication	16	11.3	Non-Surgical	7	9.2
Facility Type					
Hospital	53	37.6	Hospital	74	97.4
Clinic	87	61.7	Clinic	2	2.6
Fetal Medical Conditions					
Birth Defects	48	34.0	Anatomical Abnormality	1	1.3
Fetal Demise	14	9.9	Chorioamnionitis	4	5.3
Fetal-related Spontaneous Abortion	8	5.7	Ectopic Pregnancy	19	25.0
Hydrops	3	2.1	HELLP or Preeclampsia	4	5.3
Lethal Anomalies	2	1.4	Retained Product of Conception/ Incomplete Abortion/Blighted Ovum	33	43.4
Multiple Anomalies	3	2.1	Molar/Partial Pregnancy	2	2.6
Twin Abnormality	2	1.4	Premature rupture of Membranes	4	5.3
Other/Unspecified	8	5.7	Other/Unspecified	5	6.6

Note: * Cell suppressed due to count less than 6.