

# **CHAPTER 1**

## **REPRODUCTIVE AND PERINATAL HEALTH, ARIZONA, 2002-2012**

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- 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**

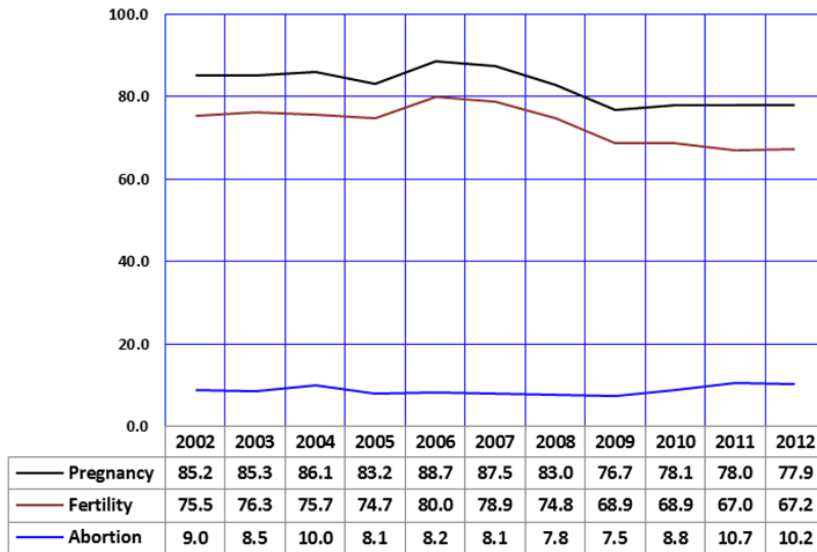
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The expression “reproductive and perinatal health” refers to a variety of health and sociodemographic characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. In this report, 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 99,324 pregnancies in Arizona in 2012 compared to 99,266 in 2011 and 113,756 in 2007. Among the three pregnancy outcomes, the number of resident live births decreased by 16.5 percent from 102,687 in 2007 to 85,725 in 2012 (**Table 1A-1**). The number of reported abortions decreased 3.5 percent from 13,606 in 2011 to 13,129 in 2012. The number of reportable spontaneous fetal losses remained the same in 2011 and 2012 (n = 470).

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

**Figure 1A-1**  
**Pregnancy, Fertility, and Abortion Rates<sup>a</sup> by Outcome and Year among Females of Childbearing Ages (15 – 44 years), Arizona, 2002 - 2012**



Note: <sup>a</sup> All rates per 1,000 females in specified age group.

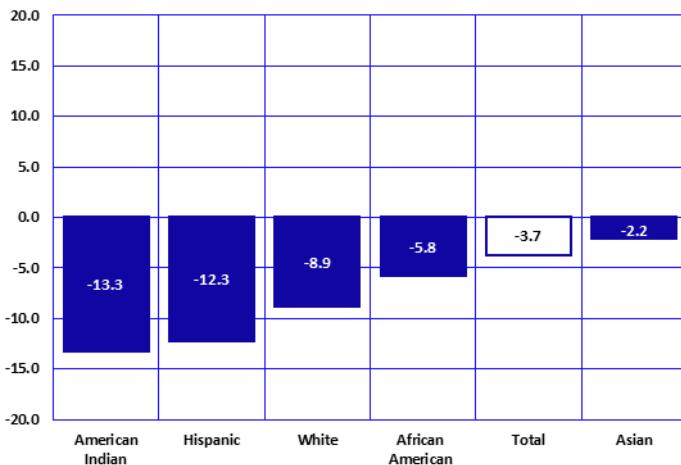
Rate is a measure of the frequency of some event (such as pregnancy, or live birth) in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. The pregnancy rate slightly increased from 76.7 pregnancies per 1,000 females of childbearing age in 2009 to 77.9/1,000 in 2012 (**Figure 1A-1, Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) changed slightly from 2011 at 67.0/1,000 to 67.2/1,000 in 2012. The fertility rate in 2012 was 16 percent lower than the recent high of 2006.

The abortion rate (the number of abortions per 1,000 women of childbearing age) slightly decreased from 10.7 abortions per 1,000 women aged 15-44 years in 2011 to 10.2/1,000 in 2012. This stability reflects consistency in abortion reporting procedures over the past two years.

It is important to note that the number of females aged 15-44 years estimated in 2012 (n = 1,274,871) was higher than in 2011 (n = 1,271,867).

**Figure 1A-2**  
**Percent Change from 2009 to 2012 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona**



Overall, pregnancies in Arizona decreased by 3.7 percent from 2009 to 2012. While the number of pregnancies decreased for all racial/ethnic groups during this period, changes in the number of pregnancies varied by woman's race/ethnicity.

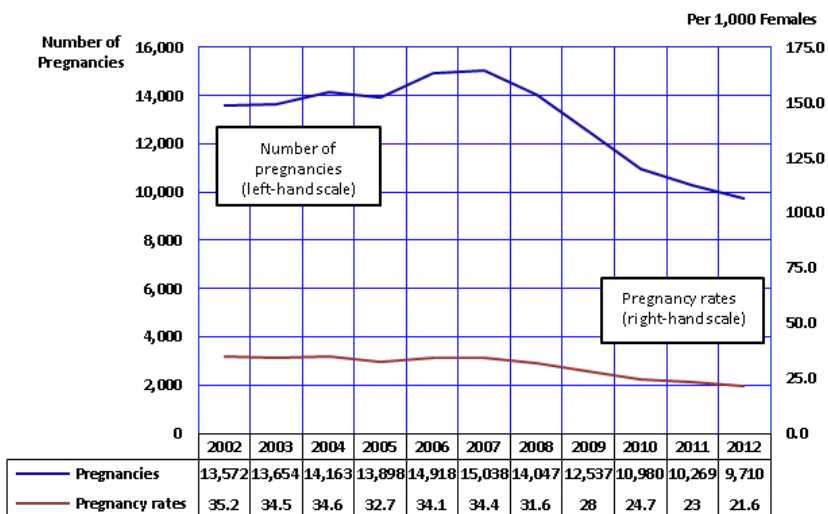
American Indian females (13.3 percent) and Hispanic or Latino females (12.3 percent) experienced the greatest percent decrease in number of pregnancies from 2009 to 2012 (**Figure 1A-2, Table 1A-1**). White non-Hispanics (8.9 percent) and Black or African Americans (5.8 percent) also experienced decreases greater than the state average decrease. Asian females had the lowest decrease at 2.2 percent.

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

**Figure 1A-3**  
Trends in the Number of Pregnancies and Pregnancy Rates<sup>a</sup> among Females 19 or Younger, Arizona, 2002-2012

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 35.4 percent from 15,038 in 2007 to 9,710 in 2012 (Figure 1A-3). The teen pregnancy rate declined even more, by 37.2 percent, from 34.4 pregnancies per 1,000 females 10-19 years in 2007 to 21.6/1,000 in 2012. The number of teenage pregnancies and the teen pregnancy rate of 2012 were the lowest recorded since at least 1980.

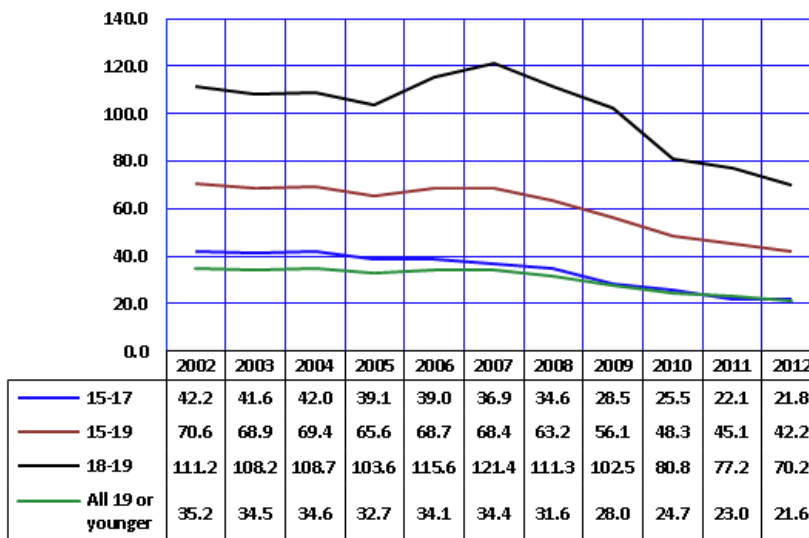


Note: <sup>a</sup> Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

**Figure 1A-4**  
Pregnancy Rates<sup>a</sup> by Age Group and Year among Females 19 or Younger, Arizona, 2002-2012

The pregnancy rate for Arizona teenagers 15-19 years old in 2012 was 42.2 pregnancies per 1,000 females (Figure 1A-4, Table 5A-2), 6.4 percent lower than 2011 and 38.3 percent lower than in 2007. The pregnancy rate for younger teenagers 15-17 years old declined by 40.9 percent (Table 1A-3) from 36.9/1,000 in 2007 to 21.8/1,000 in 2012. The pregnancy rate for older teenagers 18-19 years old declined by 42.2 percent from 121.4/1,000 in 2007 to 70.2/1,000 in 2012 (Table 1A-4).

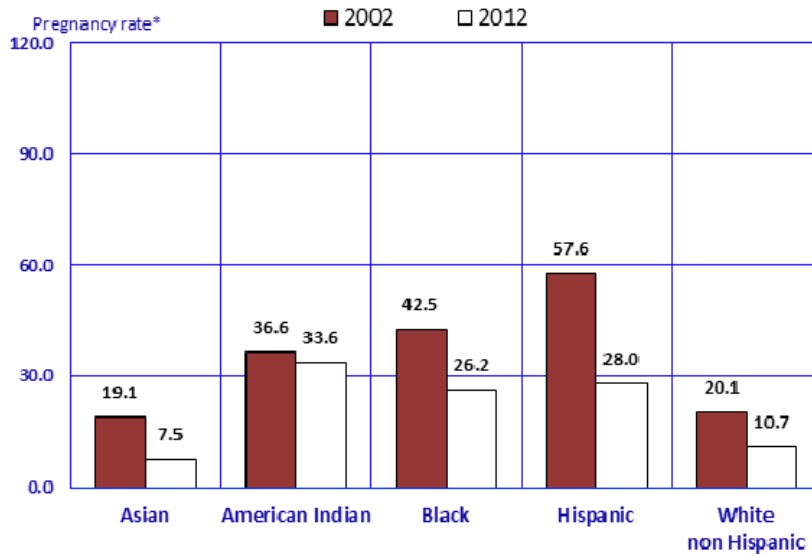
County-level information about teen pregnancies and pregnancy rates is provided in Table 5A-2, Table 5A-3, and Table 5A-5. Pregnancy statistics for Arizona are not available on a sub-county level.



Note: <sup>a</sup> 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<sup>a</sup> by Race/Ethnicity and Year among**  
**Females 19 or Younger in Arizona, 2002, and 2012**



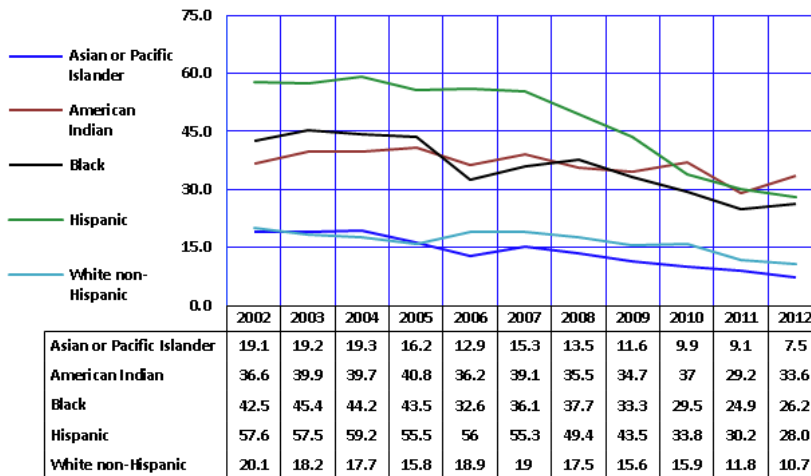
Note: <sup>a</sup> All rates per 1,000 females in specified age group.

Teen pregnancy rates differ by race/ethnicity.

Between 2002 and 2012, 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 60.7 percent drop from 2002 to 2012. The Hispanic teenage pregnancy rate decreased by 51.4 percent from 57.6 in 2002 to 28.0 in 2012, representing a much larger decline in the absolute number of pregnant teenage Hispanics compared to Asians.

The changes in annual teen pregnancy rates from 2002 to 2012 are shown in detail below.

**Figure 1A-6**  
**Pregnancy Rates<sup>a</sup> by Race/Ethnicity and Year among Females**  
**19 or Younger, Arizona, 2002-2012**



Note: <sup>a</sup> All rates per 1,000 females in specified age group.

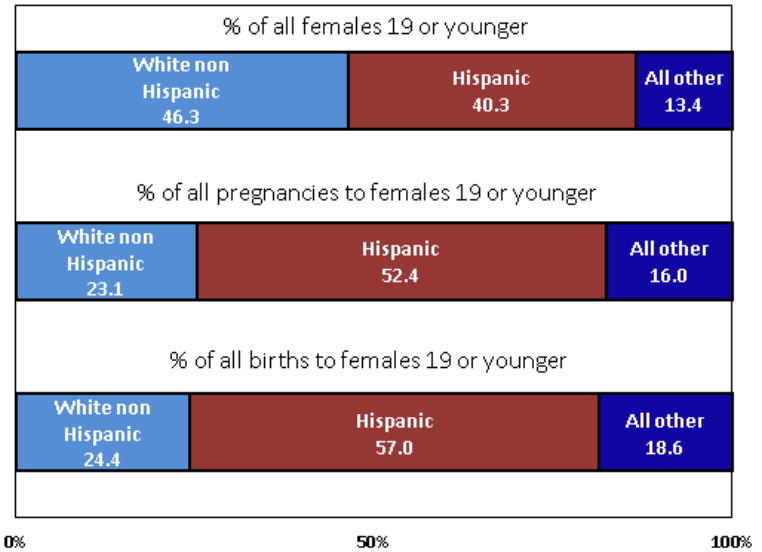
The teen pregnancy rates for all race and ethnic groups were lower in 2012 than in 2002 (Figure 1A-6). Compared to 2011, the teen pregnancy rate increased for teenage females that were American Indian (15.1 percent) or Black or African American (5.2 percent), but decreased for teenage females that were Asian or Pacific Islander (17.6 percent), White non-Hispanic (9.3 percent), or Hispanic or Latino (2.2 percent).

The overall decline in pregnancy rates is partly attributable to large differences in number of abortions (i.e., a vital component in calculation of pregnancy rates). Also, the revised population estimates used in 2012 likely contributed to variation in rates from 2011 to 2012.

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

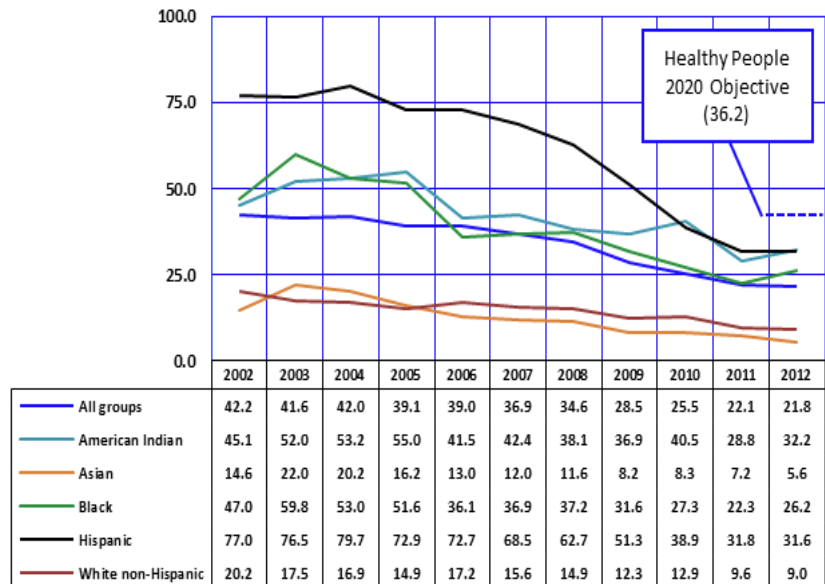
**Figure 1A-7**  
**Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2012**

In 2012, Hispanic females accounted for approximately 40.3 percent of all females 10-19 years old in Arizona. As in the past, they made a significantly higher proportional contribution to teen pregnancies (52.4 percent) and live births (57.0 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 (23.1 percent) and live births (24.4 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.



In 2012, the pregnancy rate of 21.8 pregnancies per 1,000 adolescent females 15-17 years old in Arizona was 39.8 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 2012 pregnancy rate among Asians age 15-17 was 6.5 times lower, and among White non-Hispanics 4.0 times lower, than the objective. While lower than the 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: 2002-2012 and the "Healthy Arizona 2020" Objective**



Note: \* All rates per 1,000 females in specified age group.

**TABLE 1A-1  
NUMBER OF PREGNANCIES<sup>a</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR WITH RATES<sup>b</sup>, ARIZONA, 2002-2012**

Race/ethnicity Pregnancy outcome	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2012 Rates
<b>WHITE<sup>c</sup> NON-HISPANIC, total:</b>	44,038	43,928	45,236	44,296	48,329	47,633	46,860	44,737	44,174	40,868	40,769	<b>62.0</b>
Births	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	<b>58.8</b>
Abortions	4,909	4,887	5,726	4,431	5,106	5,202	4,737	4,759	5,241	2,385	1,904	<b>2.9</b>
Fetal deaths	310	199	239	208	210	215	198	197	156	189	195	<b>0.3</b>
<b>HISPANIC OR LATINO, total:</b>	39,989	42,788	45,534	45,500	48,266	49,717	45,997	41,869	37,953	36,853	36,720	<b>82.9</b>
Births	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	<b>74.8</b>
Abortions	3,566	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	4,274	3,393	<b>7.7</b>
Fetal deaths	334	246	227	232	244	267	234	204	198	181	181	<b>0.4</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	3,364	3,558	3,972	4,068	4,484	4,884	5,089	5,166	4,843	4,538	4,867	<b>84.7</b>
Births	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	<b>82.1</b>
Abortions	556	495	723	585	581	675	744	736	476	145	116	<b>2.0</b>
Fetal deaths	55	41	33	33	39	44	44	52	39	27	36	<b>0.6</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	5,883	6,279	6,497	6,691	6,744	6,757	6,706	6,516	6,063	5,921	5,650	<b>82.0</b>
Births	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	<b>80.9</b>
Abortions	285	357	341	353	342	310	297	300	218	48	38	<b>0.6</b>
Fetal deaths	53	41	36	45	38	39	47	46	30	43	43	<b>0.6</b>
<b>ASIAN OR OTHER PACIFIC ISLANDER, total:</b>	2,568	2,804	3,075	3,195	3,537	3,883	3,856	3,797	3,564	3,579	3,715	<b>77.7</b>
Births	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	<b>75.8</b>
Abortions	273	272	444	379	391	454	412	390	254	47	75	<b>1.6</b>
Fetal deaths	14	8	17	11	10	17	19	11	17	27	15	<b>0.3</b>
<b>ALL RACE/ETHNIC GROUPS<sup>e</sup>, total:</b>	98,548	101,476	106,252	106,776	113,091	113,756	110,155	103,172	98,548	99,266	99,324	<b>77.9</b>
Births	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	<b>67.2</b>
Abortions	10,397	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	<b>10.3</b>
Fetal deaths	772	539	505	532	543	583	544	511	443	470	470	<b>0.4</b>
<b>Pregnancy rate, total:</b>	<b>85.2</b>	<b>85.3</b>	<b>86.1</b>	<b>83.2</b>	<b>88.7</b>	<b>87.5</b>	<b>83.0</b>	<b>76.7</b>	<b>78.1</b>	<b>78.0</b>	<b>77.9</b>	
<b>Fertility rate<sup>d</sup></b>	<b>75.5</b>	<b>76.3</b>	<b>75.7</b>	<b>74.7</b>	<b>80.0</b>	<b>78.9</b>	<b>74.8</b>	<b>68.9</b>	<b>68.9</b>	<b>67.0</b>	<b>67.2</b>	
<b>Abortion rate</b>	<b>9.0</b>	<b>8.5</b>	<b>10.0</b>	<b>8.1</b>	<b>8.2</b>	<b>8.1</b>	<b>7.8</b>	<b>7.5</b>	<b>8.8</b>	<b>10.7</b>	<b>10.3</b>	

Notes: <sup>a</sup> 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); <sup>b</sup> All rates per 1,000 females of childbearing age (15-44 years); <sup>c</sup> Includes other and unspecified ethnicity; <sup>d</sup> Number of births per 1,000 females of childbearing age; <sup>e</sup> 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; <sup>f</sup> 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<sup>a</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES AGED 17 AND YOUNGER  
WITH RATES<sup>b</sup>, ARIZONA, 2002-2012**

Race/ethnicity Pregnancy outcome	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2012 Rates
<b>WHITE<sup>c</sup> NON-HISPANIC, total:</b>	1,245	1,131	1,129	1,028	1,204	1,165	1,074	894	770	600	564	<b>3.5</b>
Births	847	805	764	728	871	805	784	669	553	507	483	<b>3.0</b>
Abortions	387	322	360	293	324	353	287	218	214	90	71	<b>0.4</b>
<b>HISPANIC OR LATINO, total:</b>	2,926	2,993	3,198	3,043	3,281	3,286	3,057	2,496	2,106	1,731	1,728	<b>11.9</b>
Births	2,654	2,746	2,916	2,858	3,046	3,007	2,835	2,340	1,927	1,528	1,574	<b>10.8</b>
Abortions	250	224	267	172	217	254	207	144	167	196	150	<b>1.0</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	207	256	241	247	255	268	266	221	189	170†	174	<b>10.4</b>
Births	164	207	192	207	194	207	215	187	161	162	164	<b>9.8</b>
Abortions	34	46	47	37	57	55	48	31	25	*	9	<b>0.5</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	409	501	495	530	477	504	452	436	361	310†	260†	<b>12.4</b>
Births	392	471	473	499	449	471	430	411	345	307	258	<b>12.3</b>
Abortions	15	28	18	25	25	30	19	22	15	*	*	<b>**</b>
<b>ASIAN OR OTHER PACIFIC ISLANDER, total:</b>	30	47	46	39	43	43	41	30	30†	30†	20†	<b>2.2</b>
Births	20	39	26	29	29	31	27	20	24	28	18	<b>1.9</b>
Abortions	10	8	20	10	14	12	14	9	*	*	*	<b>**</b>
<b>ALL RACE/ETHNIC GROUPS<sup>d</sup>, total:</b>	4,951	5,027	5,188	5,029	5,347	5,300	4,970	4,101	3,513	3,089	2,976	<b>8.4</b>
Births	4,158	4,321	4,415	4,364	4,620	4,541	4,312	3,633	3,015	2,548	2,497	<b>7.1</b>
Abortions	749	674	747	636	693	718	634	442	479	527	463	<b>1.3</b>
<b>Pregnancy rate, total:</b>	<b>16.1</b>	<b>15.9</b>	<b>15.9</b>	<b>14.8</b>	<b>15.1</b>	<b>14.8</b>	<b>13.7</b>	<b>11.2</b>	<b>10.0</b>	<b>8.7</b>	<b>8.4</b>	
<b>Fertility rate<sup>e</sup></b>	<b>13.5</b>	<b>13.7</b>	<b>13.5</b>	<b>12.9</b>	<b>13.0</b>	<b>12.7</b>	<b>11.9</b>	<b>9.9</b>	<b>8.6</b>	<b>7.2</b>	<b>7.1</b>	
<b>Abortion rate</b>	<b>2.4</b>	<b>2.1</b>	<b>2.3</b>	<b>1.9</b>	<b>2.0</b>	<b>2.0</b>	<b>1.7</b>	<b>1.2</b>	<b>1.4</b>	<b>1.5</b>	<b>1.3</b>	

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; <sup>a</sup> Fetal deaths are included in the total counts of pregnancies; <sup>b</sup> All rates per 1,000 females 10-17 years old; <sup>c</sup> Not of Hispanic origin; <sup>d</sup> Includes other and unspecified ethnicity; <sup>e</sup> Number of births per 1,000 females 10-17 years old.

**TABLE 1A-3  
NUMBER OF PREGNANCIES<sup>a</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 15-17 YEARS OLD  
WITH RATES<sup>b</sup>, ARIZONA, 2002-2012**

Race/ethnicity Pregnancy outcome	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2012 Rates
<b>WHITE<sup>c</sup> NON-HISPANIC, total:</b>	1,202	1,090	1,093	996	1,157	1,067	1,038	863	742	577	549	<b>9.0</b>
Births	824	782	747	711	852	779	769	649	541	494	475	<b>7.8</b>
Abortions	367	304	341	278	296	282	266	207	198	80	65	<b>1.1</b>
<b>HISPANIC OR LATINO, total:</b>	2,761	2,819	3,040	2,885	3,131	3,126	2,911	2,401	2,021	1,653	1,670	<b>31.6</b>
Births	2,507	2,600	2,779	2,721	2,923	2,892	2,724	2,253	1,859	1,467	1,528	<b>28.9</b>
Abortions	235	197	247	151	193	210	173	136	151	179	138	<b>2.6</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	189	247	228	234	239	242	248	212	178	160†	166	<b>26.2</b>
Births	152	204	180	199	187	195	203	181	151	152	159	<b>25.1</b>
Abortions	30	40	46	32	48	42	43	28	24	*	6	<b>0.9</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	388	461	473	505	457	470	428	419	345	300†	250†	<b>32.2</b>
Births	374	434	452	478	430	445	408	394	331	293	251	<b>31.8</b>
Abortions	12	25	17	21	24	22	17	22	13	*	*	<b>**</b>
<b>ASIAN OR OTHER PACIFIC ISLANDER, total:</b>	29	45	44	38	39	39	38	30†	30†	26	20†	<b>5.6</b>
Births	19	38	25	28	28	31	26	18	23	26	17	<b>5.0</b>
Abortions	10	7	19	10	11	8	12	*	*	0	*	<b>**</b>
<b>ALL RACE/ETHNIC GROUPS<sup>d</sup>, total:</b>	4,696	4,755	4,955	4,790	5,105	4,975	4,740	3,945	3,363	2,939	2,860	<b>21.8</b>
Births	3,952	4,110	4,227	4,179	4,450	4,361	4,151	3,501	2,910	2,447	2,430	<b>18.5</b>
Abortions	705	614	703	582	624	576	567	418	435	478	414	<b>3.1</b>
<b>Pregnancy rate, total:</b>	<b>42.2</b>	<b>41.6</b>	<b>42.0</b>	<b>39.1</b>	<b>39.0</b>	<b>36.9</b>	<b>34.6</b>	<b>28.5</b>	<b>25.5</b>	<b>22.1</b>	<b>21.8</b>	
<b>Fertility rate<sup>e</sup></b>	<b>35.5</b>	<b>35.9</b>	<b>35.8</b>	<b>34.1</b>	<b>34.0</b>	<b>32.3</b>	<b>30.3</b>	<b>25.3</b>	<b>22.1</b>	<b>18.4</b>	<b>18.5</b>	
<b>Abortion rate</b>	<b>6.3</b>	<b>5.4</b>	<b>6.0</b>	<b>4.8</b>	<b>4.8</b>	<b>4.3</b>	<b>4.1</b>	<b>3.0</b>	<b>3.3</b>	<b>3.6</b>	<b>3.1</b>	

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; <sup>a</sup> Fetal deaths are included in the total counts of pregnancies; <sup>b</sup> All rates per 1,000 females 15-17 years old; <sup>c</sup> Not of Hispanic origin; <sup>d</sup> Includes other and unspecified ethnicity; <sup>e</sup> Number of births per 1,000 females 15-17 years old.

**TABLE 1A-4  
NUMBER OF PREGNANCIES<sup>a</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 18-19 YEARS OLD  
WITH RATES<sup>b</sup>, ARIZONA, 2002-2012**

Race/ethnicity Pregnancy outcome	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2012 Rates
<b>WHITE<sup>c</sup> NON-HISPANIC, total:</b>	2,857	2,772	2,795	2,603	2,944	2,936	2,778	2,560	2,316	1,792	1,675	<b>35.6</b>
Births	2,217	2,165	2,042	2,016	2,338	2,295	2,209	2,046	1,833	1,582	1,494	<b>31.7</b>
Abortions	623	592	735	574	593	629	554	502	480	199	167	<b>3.5</b>
<b>HISPANIC OR LATINO, total:</b>	4,361	4,483	4,767	4,705	5,115	5,259	4,707	4,400	3,812	3,566	3,357	<b>93.8</b>
Births	3,931	4,046	4,222	4,330	4,692	4,775	4,333	4,001	3,421	3,103	3,053	<b>85.3</b>
Abortions	400	406	517	350	392	456	354	381	365	442	291	<b>8.1</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	398	408	430	441	476	498	546	501	446	413	390†	<b>81.2</b>
Births	304	342	348	362	407	414	441	416	401	399	380	<b>79.5</b>
Abortions	84	61	78	77	67	81	95	79	42	13	*	<b>**</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	673	714	720	759	800	849	794	793	664	690†	640†	<b>110.7</b>
Births	647	670	669	705	767	814	755	759	643	680	632	<b>109.2</b>
Abortions	25	40	47	51	30	33	35	30	21	*	*	<b>**</b>
<b>ASIAN OR OTHER PACIFIC ISLANDER, total:</b>	100	87	102	93	89	124	108	99	88	90†	68	<b>26.6</b>
Births	76	68	66	67	63	72	86	68	79	83	61	<b>23.8</b>
Abortions	24	19	36	25	26	51	22	31	9	*	7	<b>2.7</b>
<b>ALL RACE/ETHNIC GROUPS<sup>d</sup>, total:</b>	8,621	8,627	8,975	8,869	9,571	9,738	9,077	8,436	7,467	7,180	6,734	<b>70.2</b>
Births	7,316	7,379	7,448	7,569	8,296	8,431	7,849	7,319	6,401	5,887	5,620	<b>58.6</b>
Abortions	1,246	1,193	1,473	1,256	1,226	1,261	1,179	1,077	1,033	1,258	1,077	<b>11.2</b>
<b>Pregnancy rate, total:</b>	<b>111.2</b>	<b>108.2</b>	<b>108.7</b>	<b>103.6</b>	<b>115.6</b>	<b>121.4</b>	<b>111.3</b>	<b>102.5</b>	<b>80.8</b>	<b>77.2</b>	<b>70.2</b>	
<b>Fertility rate<sup>e</sup></b>	<b>94.3</b>	<b>92.5</b>	<b>90.2</b>	<b>88.4</b>	<b>100.2</b>	<b>105.1</b>	<b>96.3</b>	<b>89.0</b>	<b>69.2</b>	<b>63.3</b>	<b>58.6</b>	
<b>Abortion rate</b>	<b>16.1</b>	<b>15.0</b>	<b>17.8</b>	<b>14.7</b>	<b>14.8</b>	<b>15.7</b>	<b>14.5</b>	<b>13.1</b>	<b>11.2</b>	<b>13.5</b>	<b>11.2</b>	

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; <sup>a</sup> Fetal deaths are included in the total count of pregnancies; <sup>b</sup> All rates per 1,000 females 18-19 years old; <sup>c</sup> Not of Hispanic origin; <sup>d</sup> Includes other and unspecified ethnicity; <sup>e</sup> Number of births per 1,000 females 18-19 years old.

**TABLE 1A-5  
NUMBER OF PREGNANCIES<sup>a</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 19 AND YOUNGER,  
WITH RATES<sup>b</sup>, ARIZONA, 2002-2012**

Race/ethnicity Pregnancy outcome	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2012 Rates
<b>WHITE<sup>c</sup> NON-HISPANIC, total:</b>	4,102	3,903	3,924	3,631	4,148	4,101	3,852	3,454	3,086	2,392	2,239	<b>10.7</b>
Births	3,064	2,970	2,806	2,744	3,209	3,100	2,993	2,715	2,386	2,089	1,977	<b>9.5</b>
Abortions	1,010	914	1,095	867	917	982	841	720	694	289	238	<b>1.1</b>
<b>HISPANIC OR LATINO, total:</b>	7,287	7,476	7,965	7,748	8,396	8,545	7,764	6,896	5,918	5,297	5,085	<b>28.0</b>
Births	6,585	6,792	7,138	7,188	7,738	7,782	7,168	6,341	5,348	4,631	4,627	<b>25.5</b>
Abortions	650	630	784	522	609	710	561	525	532	638	441	<b>2.4</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	605	664	671	688	731	766	812	722	635	580	562	<b>26.2</b>
Births	468	549	540	569	601	621	656	603	562	561	544	<b>25.3</b>
Abortions	118	107	125	114	124	136	143	110	67	17	14	<b>0.7</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	1,082	1,215	1,215	1,289	1,277	1,353	1,246	1,229	1,025	1,000 <sup>†</sup>	900 <sup>†</sup>	<b>33.6</b>
Births	1,039	1,141	1,142	1,204	1,216	1,285	1,185	1,170	988	987	890	<b>33.1</b>
Abortions	40	68	65	76	55	63	54	52	36	*	*	<b>**</b>
<b>ASIAN OR OTHER PACIFIC ISLANDER, total:</b>	130	134	148	132	132	167	149	129	117	120 <sup>†</sup>	88	<b>7.5</b>
Births	96	107	92	96	92	103	113	88	103	111	79	<b>6.7</b>
Abortions	34	27	56	35	40	63	36	40	14	*	9	<b>0.8</b>
<b>ALL RACE/ETHNIC GROUPS<sup>d</sup>, total:</b>	13,572	13,654	14,163	13,898	14,918	15,038	14,047	12,537	10,980	10,269	9,710	<b>21.6</b>
Births	11,474	11,700	11,863	11,933	12,916	12,972	12,161	10,952	9,416	8,435	8,117	<b>18.0</b>
Abortions	1,995	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	1,785	1,539	<b>3.4</b>
<b>Pregnancy rate, total:</b>	<b>35.2</b>	<b>34.5</b>	<b>34.6</b>	<b>32.7</b>	<b>34.1</b>	<b>34.4</b>	<b>31.6</b>	<b>28.0</b>	<b>24.7</b>	<b>23.0</b>	<b>21.6</b>	
<b>Fertility rate<sup>e</sup></b>	<b>29.8</b>	<b>29.5</b>	<b>29.0</b>	<b>28.1</b>	<b>29.6</b>	<b>29.7</b>	<b>27.4</b>	<b>24.4</b>	<b>21.2</b>	<b>18.9</b>	<b>18.0</b>	
<b>Abortion rate</b>	<b>5.2</b>	<b>4.7</b>	<b>5.4</b>	<b>4.5</b>	<b>4.4</b>	<b>4.5</b>	<b>4.1</b>	<b>3.4</b>	<b>3.4</b>	<b>4.0</b>	<b>3.4</b>	

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; <sup>a</sup> Fetal deaths are included in the total counts of pregnancies; <sup>b</sup> All rates per 1,000 females 19 or younger; <sup>c</sup> Not of Hispanic origin; <sup>d</sup> Includes other and unspecified ethnicity; <sup>e</sup> Number of births per 1,000 females 19 or younger.

**TABLE 1A-6  
NUMBER OF PREGNANCIES<sup>a</sup> BY PREGNANCY OUTCOME, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2012  
PREGNANCIES BY OUTCOME:**

	All ages	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un- known
<b>All groups</b>											
Total pregnancies	99,324	120†	2,860	6,734	26,049	27,906	22,270	10,518	2,695	170†	10†
Births	85,725	67	2,430	5,620	21,598	24,525	19,991	9,210	2,151	130	*
Abortions <sup>b</sup>	13,129	48	414	1,077	4,321	3,281	2,181	1,250	517	39	*
Fetal deaths	470†	*	16	37	130	100	98	58	27	*	*
<b>White non Hispanic</b>											
Total pregnancies	40,769	20†	549	1,675	8,747	12,603	11,032	4,874	1,184	90†	0†
Births	38,670	8	475	1,494	8,061	12,058	10,695	4,694	1,103	79	*
Abortions <sup>b</sup>	1,904	6	65	167	646	496	293	157	67	7	0
Fetal deaths	200†	*	9	14	40	49	44	23	14	*	0
<b>Hispanic or Latino</b>											
Total pregnancies	36,720	58	1,670†	3,357	11,028	9,594	6,808	3,352	816	40†	0
Births	33,146	46	1,528	3,053	9,791	8,727	6,248	3,034	691	28	0
Abortions <sup>b</sup>	3,393	12	138	291	1,179	832	523	294	116	8	0
Fetal deaths	180†	0	*	13	58	35	37	24	9	*	0
<b>Black or African American</b>											
Total pregnancies	4,867	10†	170†	390†	1,536	1,310†	914	430†	110†	8	0
Births	4,720†	*	159	380	1,471	1,274	895	416	107	8	0
Abortions <sup>b</sup>	120†	*	6	*	49	31	12	9	*	0	0
Fetal deaths	40†	0	*	*	16	*	7	*	*	0	0
<b>American Indian or Alaska Native</b>											
Total pregnancies	5,650	7	250†	640†	1,866	1,450†	890†	450†	90†	7	0
Births	5,569	7	251	632	1,842	1,431	873	433	93	7	0
Abortions <sup>b</sup>	40†	0	*	*	9	15	*	*	*	0	0
Fetal deaths	40†	0	*	7	15	*	7	8	0	0	0
<b>Asian or other Pacific Islander</b>											
Total pregnancies	3,720†	0†	20†	68	450†	1,063	1,300†	650†	160†	8	0†
Births	3,630†	*	17	61	433	1,035	1,280	633	157	8	0
Abortions <sup>b</sup>	80†	0	*	7	16	21	15	10	*	0	0
Fetal deaths	20†	0	0	0	*	7	*	*	*	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;<sup>a</sup> The sum of recorded live births, spontaneous fetal losses, and abortions; <sup>b</sup> Abortions include unknown or multiple race.

**TABLE 1A-7  
PREGNANCY RATES<sup>a</sup> AND NUMBER OF LIVE BIRTHS, FETAL DEATHS, AND  
ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2012**

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Abortions	Spontaneous fetal losses	Number	Rate
<b>10</b>	43,940	0	0	0	0	<b>0.0</b>
<b>11</b>	45,879	0	0	0	0	<b>0.0</b>
<b>12</b>	45,321	*	*	0	*	<b>**</b>
<b>13</b>	44,037	*	6	0	8	<b>0.2</b>
<b>14</b>	43,510	61	41	*	103	<b>2.4</b>
<b>10-14</b>	222,686	67	48	*	116	<b>0.5</b>
<b>15</b>	43,877	293	53	*	348	<b>7.9</b>
<b>16</b>	43,703	774	157	*	932	<b>21.3</b>
<b>17</b>	43,849	1,363	204	13	1,580	<b>36.0</b>
<b>15-17</b>	131,429	2,430	414	16	2,860	<b>21.8</b>
<b>18</b>	47,195	2,281	417	17	2,715	<b>57.5</b>
<b>19</b>	48,771	3,339	660	20	4,019	<b>82.4</b>
<b>18-19</b>	95,966	5,620	1,077	37	6,734	<b>70.2</b>
<b>Total 10-19</b>	450,081	8,120 <sup>†</sup>	1,540 <sup>†</sup>	50 <sup>†</sup>	9,710 <sup>†</sup>	<b>21.6</b>

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;  
<sup>a</sup> Rates per 1,000 female population in specific group.



## **1B.**

### **NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH**

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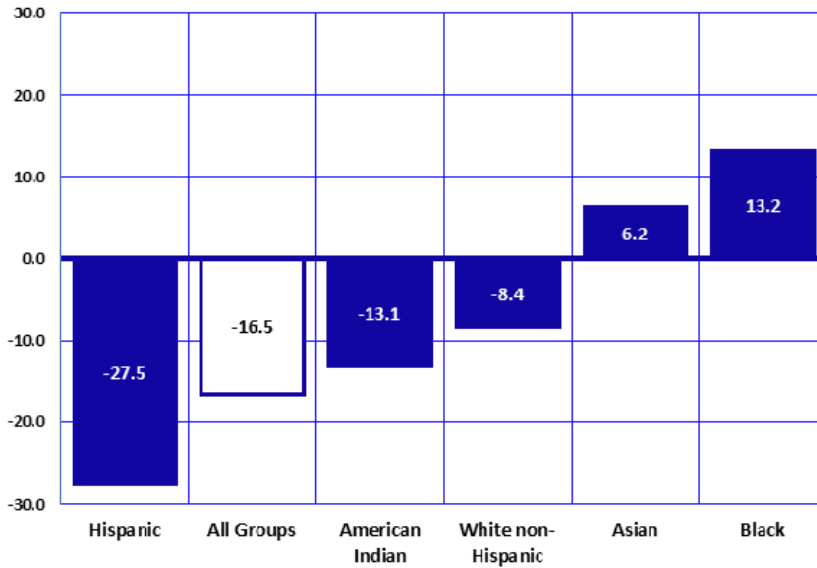
The number of resident births reached its recent peak in 2007 at 102,687 (**Table 1B-2**). In 2008, the number of resident births declined to 99,215; the first annual decline since 1991 (which, like 2008, also was an economic downturn year). Since 2008, the number of births declined until 2011, reaching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

There were striking differences in how the number of births changed from 2007 to 2012 by mother's race/ethnicity. The number of births rose by 13.2 percent for Black or African American mothers. Compared to 2007, the number of births for all race/ethnic groups combined was 16.5 percent lower in 2012. Hispanic or Latino women experienced a decrease of 27.5 percent during this period (**Figure 1B-1**).

Since the 2008 edition of this report, we have been pointing out that Hispanics, unlike any other race/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 actually increased from 405,306 in 2007 to 442,868 in 2012.

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

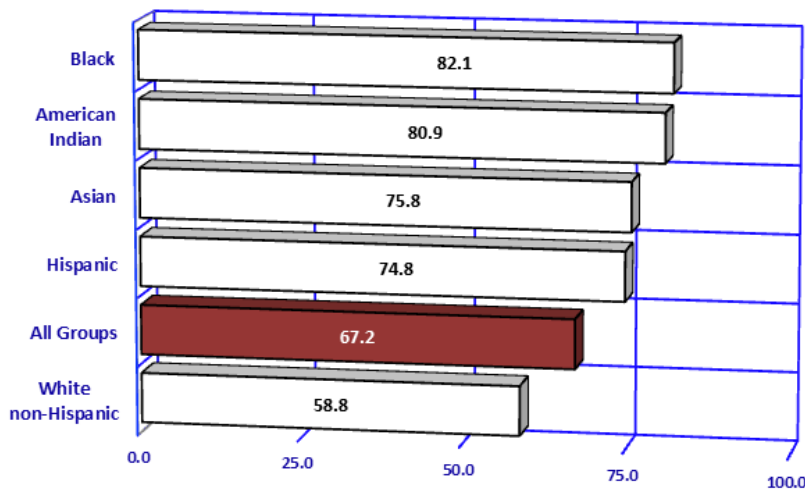
**Figure 1B-1**  
**Percent Change from 2007 to 2012 in the Number of Resident Live Births by**  
**Mother's Race/Ethnicity, Arizona**



From 2007 to 2012, the number of resident live births declined by 16.5 percent (**Figure 1B-1**). The magnitude of the reduction in the number of births was the largest among Hispanics or Latinos (-27.5 percent) and American Indians (-13.1 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 2012. Both black (13.2 percent) and Asian (6.2 percent) resident mothers had a greater number of live births in 2012 than in 2007.

**Figure 1B-2**  
**General Fertility Rates<sup>a</sup> by Race/Ethnicity among Females of all Ages,**  
**Arizona, 2012**



From among 1,274,871 women of childbearing age (15-44 years), 6.7 percent gave birth in 2012. 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, Asian, and Hispanic 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**.

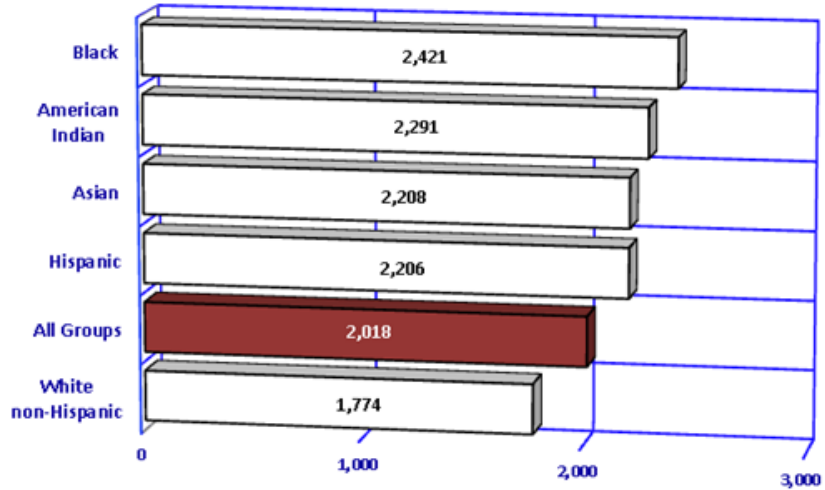
Note: <sup>a</sup> Number of births per 1,000 females 15-44 years old in specified group.



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

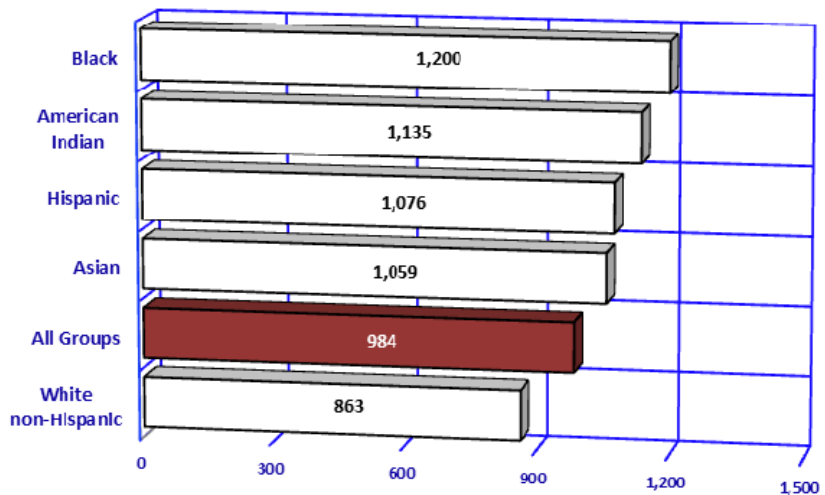
The *total fertility rate* (TFR) indicates the average number of births to a hypothetical cohort of 1,000 women, if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. From 2000 to 2008, Arizona's TFRs always exceeded the rate of "replacement" (2,110 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, and decreased to 2,001 in 2011. In 2012, the TFR for all groups increased to 2,018. The 2012 TFR of 2,421 for Black or African American women exceeded the generation replacement rate by 14.7 percent. The rate for White non-Hispanic women (1,774) was 15.9 percent lower than the replacement rate.

**Figure 1B-3**  
Total Fertility Rates<sup>a</sup> by Race/Ethnicity, Arizona, 2012



Note: <sup>a</sup> The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 2,018 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 2012, they would have a total of 2,018 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.

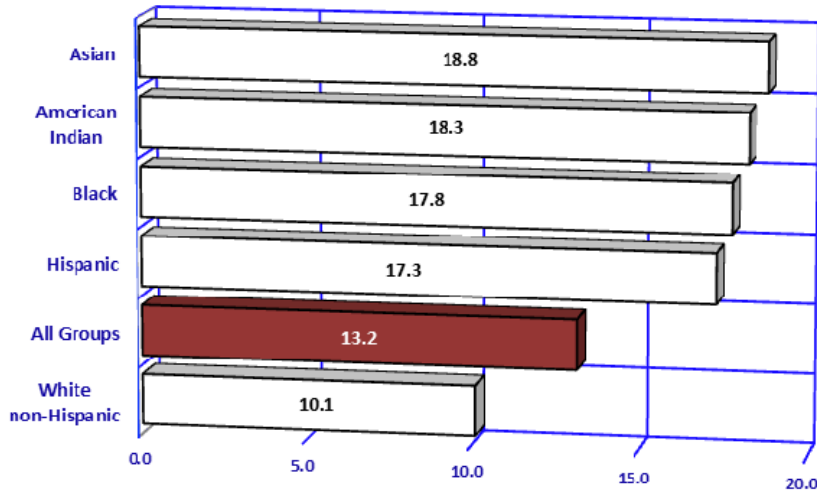
**Figure 1B-4**  
Gross Reproduction Rates<sup>a</sup> by Race/Ethnicity, Arizona, 2012



Notes: <sup>a</sup> 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, 2012



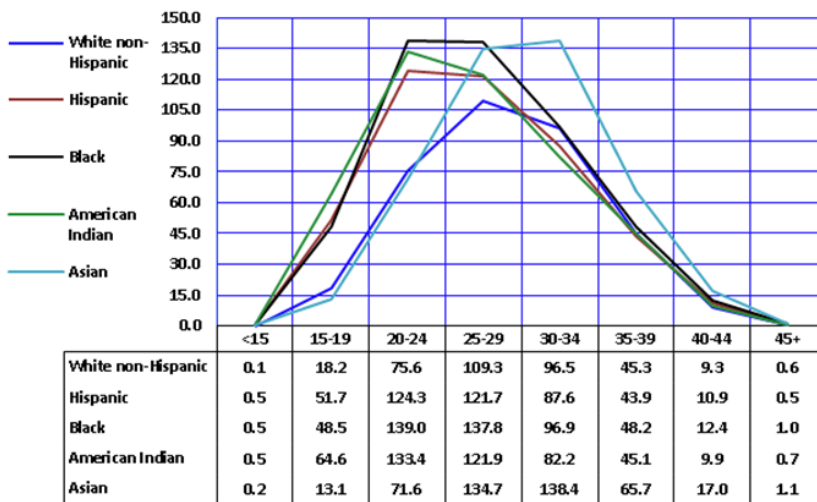
The crude birth rate, often simply called the birth rate, relates the number of births to the total population in a specified group. The birth rate is expressed as the total number of births per 1,000 persons, without regard to the age or sex distribution of the population.

The birth rate for Arizona remained stable at 13.2/1,000 in both 2011 and 2012.

In 2012 the crude birth rates by mother's race/ethnicity ranged from 10.1 births per 1,000 White non-Hispanics to 18.8 per 1,000 Asians (Figure 1B-5).

Note: <sup>a</sup> Number of births per 1,000 population in specified group.

**Figure 1B-6**  
Birth Rates<sup>a</sup> by Mother's Age Group and Race/Ethnicity, Arizona, 2012



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 2012, 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: <sup>a</sup> Number of births per 1,000 population in specified group.

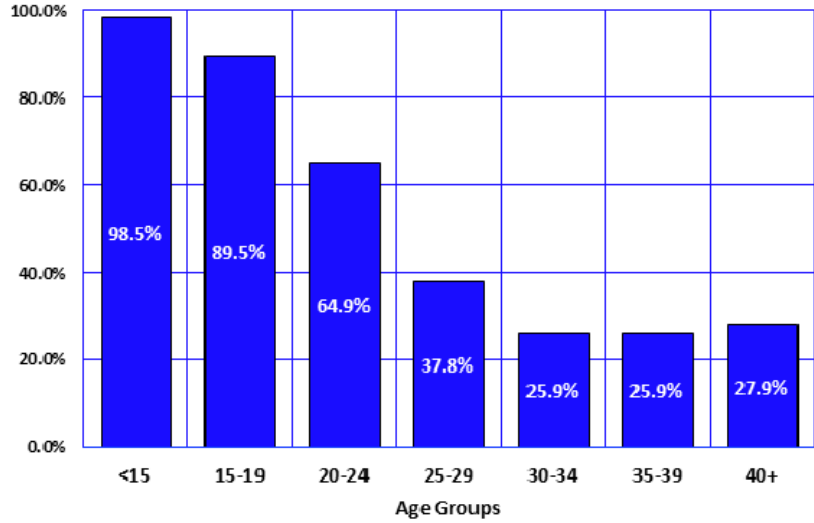
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-7**  
Percent Births to Unmarried Mothers by Age Group, Arizona, 2012

Unmarried mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s, with 45.2 percent in 2012 (**Table 1B-2**). In 2012, 38,770 infants were born to unmarried mothers compared to 35,116 in 2002 (**Table 1B-26**).

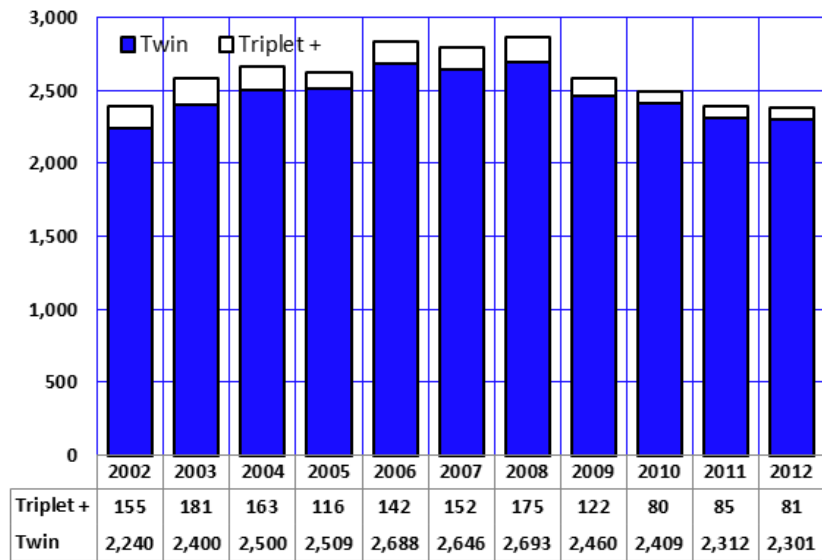
A decade ago, the proportion of births among unmarried women aged 20-24 years was 52.5 percent. This proportion has continued to rise from 2001 to 2012. In 2012, nearly 7 out of ten (64.9 percent) mothers 20-24 years old were unmarried (**Figure 1B-7**).

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**.



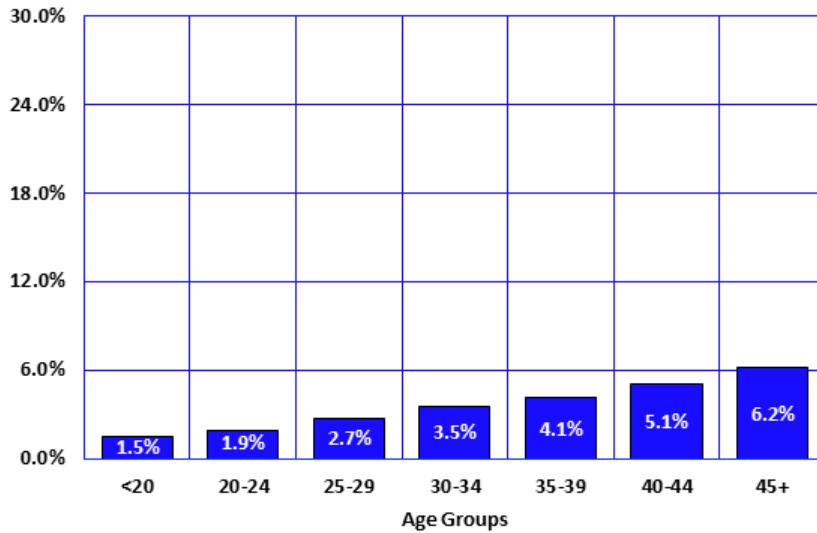
**Figure 1B-8**  
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2002-2012

The number of multiple birth events in Arizona declined from 2,868 in 2008, (the highest number ever recorded) to 2,382 in 2012 (**Figure 1B-8**). The number of babies born in twin deliveries decreased from 2,693 in 2008 to 2,301 in 2012 (**Figure 1B-8**). The number of triplet and higher order multiple birth events decreased by 53.7 percent from 175 in 2008 to 81 in 2012.



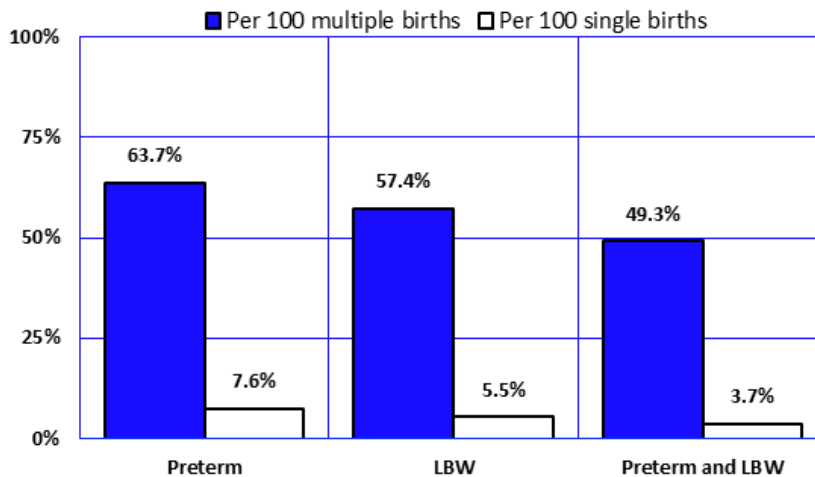
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-9**  
Risk for Multiple Births by Mother's Age Group, Arizona, 2012



In 2012, the proportion of multiple births gradually increased with maternal age. Among women aged 45 years and older, 6.2 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, to 6.2 percent in 2012. Possible explanations of the decrease in plural births among women age 45 and above include increased awareness of risks associated with births at later ages, in turn reducing the number of women seeking fertility treatments.

**Figure 1B-10**  
Infants Born too Early (Preterm)<sup>a</sup> and Infants Born too Small (LBW)<sup>b</sup> among Multiple and Single Births, Arizona, 2012



Infants born in multiple deliveries tend to be born at shorter gestations and smaller than those born in singleton deliveries (**Figure 1B-10**). In 2012, infants born in multiple deliveries were 13.3 times more likely (49.3 vs. 3.7 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 (61.8 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 48.4 percent of all infant deaths (**Figure 2C-3**).

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

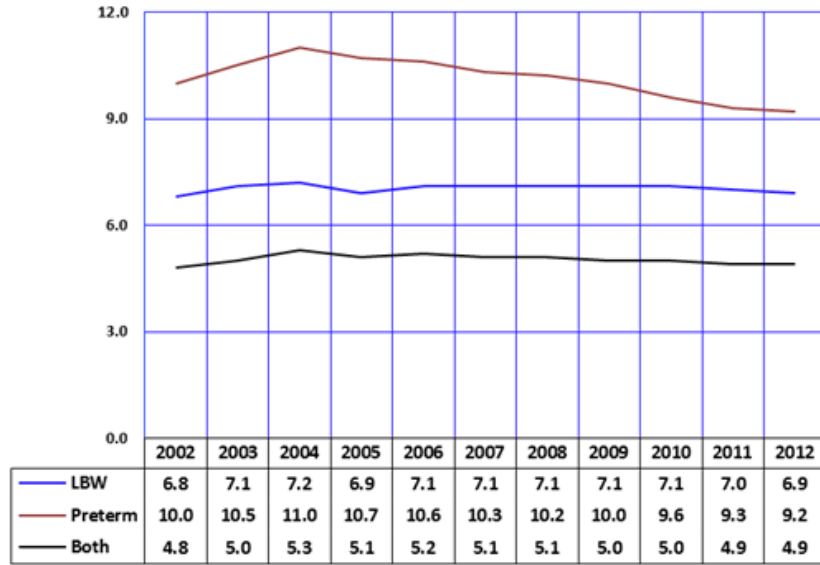
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

The proportion of preterm births decreased from 9.6 percent of all births in 2010 to 9.2 percent in 2012.

The proportion of infants born earlier than expected who were also low birth weight (LBW; at less than 2,500 grams) was 4.9/100 births in 2012 (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<sup>a</sup> and Low Birthweight (LBW)<sup>b</sup> Births by Year, Arizona, 2002-2012

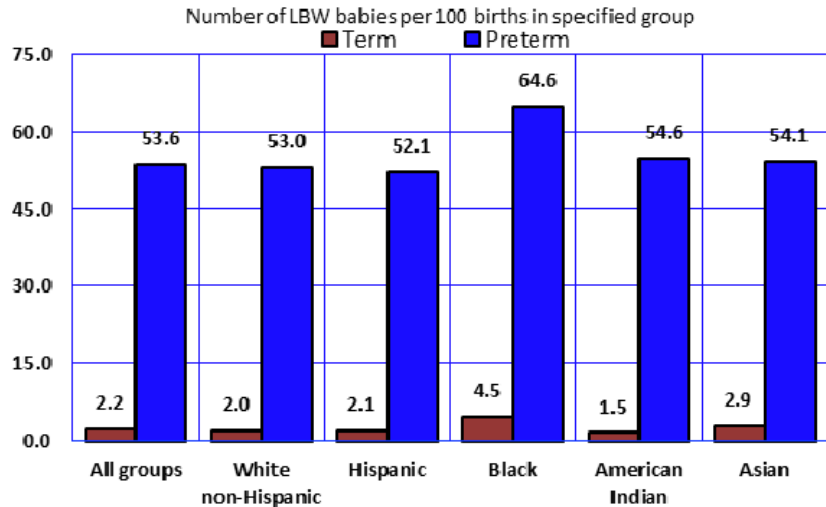


Notes: <sup>a</sup> Preterm: < 37 weeks of gestation; <sup>b</sup> Low birthweight (less than 2,500 grams or 5 pounds 8 ounces); In this report, the primary measure used to determine the gestational age is the clinical estimate of gestation as reported on the birth certificate.

**Figure 1B-12**  
Low-Birthweight (LBW) Births by Length of Gestation and Mother's Race/Ethnicity, Arizona, 2012

From 2003 to 2012, 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 24.4 times (53.6 vs. 2.2 percent) more likely to be LBW than infants born at term (Figure 1B-12). Seven out of ten (71.2 percent) LBW babies born in 2012 were preterm (Table 1B-3).

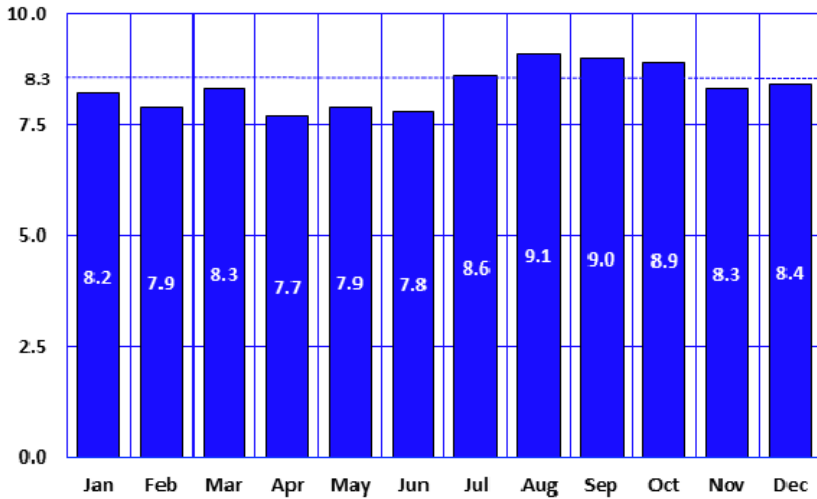
County-level data for LBW newborns are available in Tables 5B-16 – 5B-23. Community-level information is in Table 9A



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).

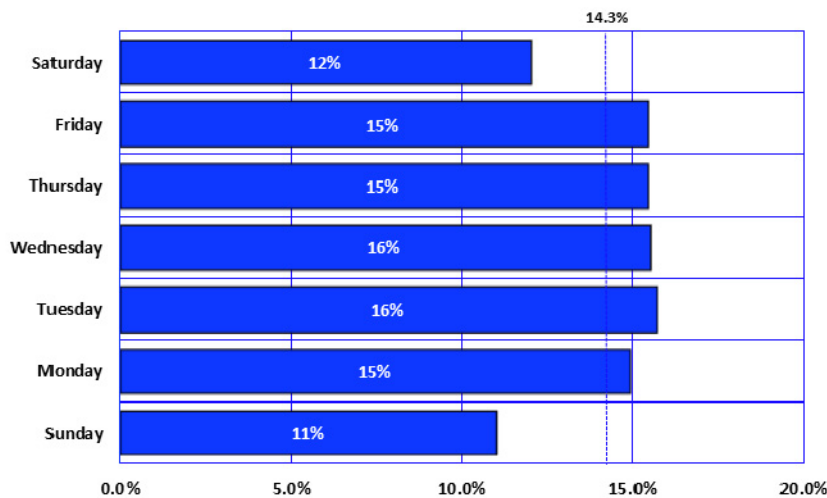
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-13**  
Percent of Resident Births by Month, Arizona, 2012



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, 2012



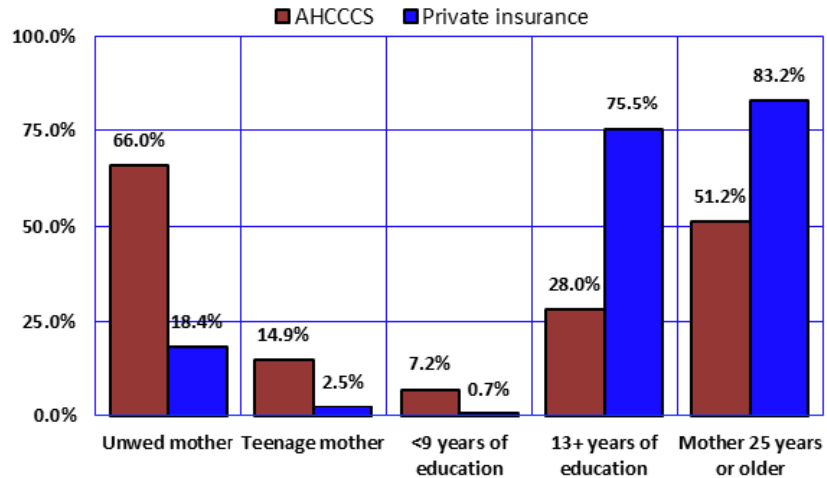
On average 235 infants were born per day in 2012 to Arizona residents. The daily average of resident live births in 2012 was substantially lower on weekends than on weekdays (Figure 1B-14). Many studies suggest that weekly, daily, and hourly variations observed in hospitals and clinics are not due to 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 2012, only 11.0 percent of repeat cesarean deliveries occurred on Sundays, compared to 14.9 percent on Mondays. The average rate of induction of labor was substantially lower on weekend days (10.4 percent) than it was on week days (15.8 percent).

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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. The payee's SES indicator is strongly related to the maternal education indicator. PHI mothers were 2.7 times more likely to have some college education than were AHCCCS mothers (75.5 and 28.0 percent respectively, **Figure 1B-15**). Around 7 percent of AHCCCS mothers had 0-8 years of education, 10.3 times the proportion of PHI mothers. Only 18.4 percent of mothers with PHI were unmarried compared to 66.0 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, 2012

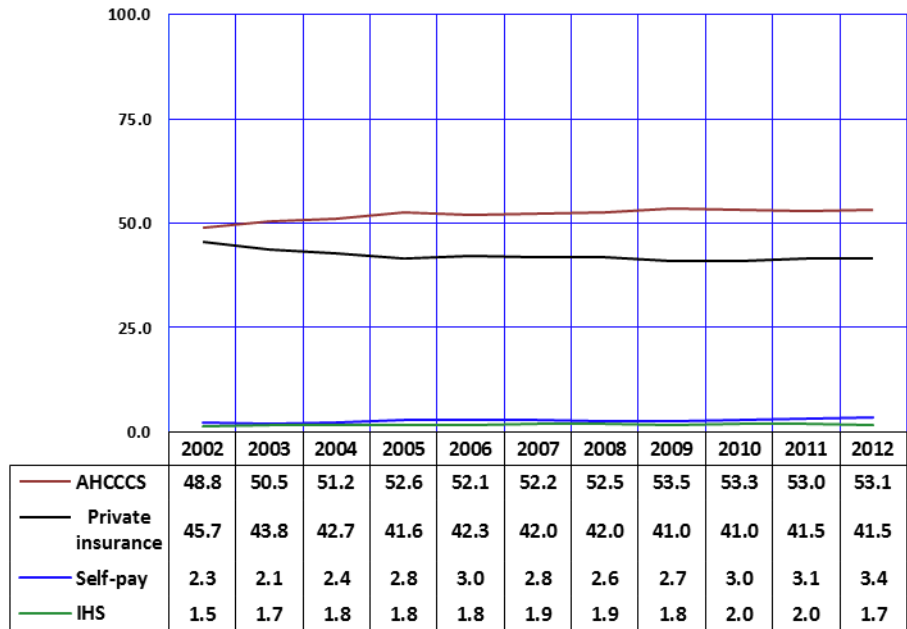


Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

Since 2002, the share of resident births paid for by AHCCCS continues to exceed the share paid by private health insurance (**Figure 1B-16**). In 2002, private insurance funded 45.7 percent of births and AHCCCS paid for 48.8 percent of births. Compared to 2002, AHCCCS paid for 4.3 percent more births, and private insurance paid for 4.2 percent fewer births, than in 2012, respectively.

The share of AHCCCS funded births varied little from 2005 to 2012. The share of private health insurance also remained stable during this time period. In 2012, the payment source was the mothers themselves and/or their families (i.e., self-pay) in 3.4 percent of the deliveries. The Indian Health Service (IHS) paid for 1.7 percent of the births in 2012 (**Table 1B-28**; see also **Table 1B-25**).

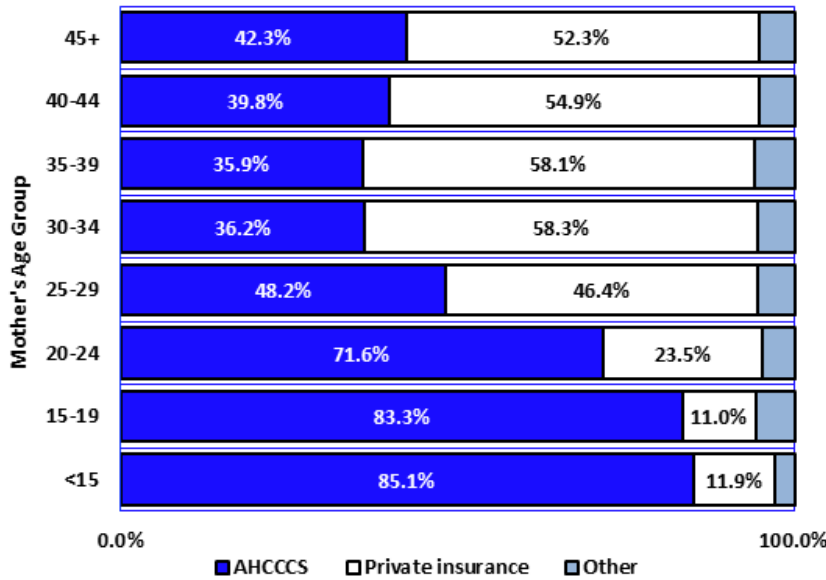
**Figure 1B-16**  
Births by Payer and Year, Arizona, 2002-2012



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, 2012



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

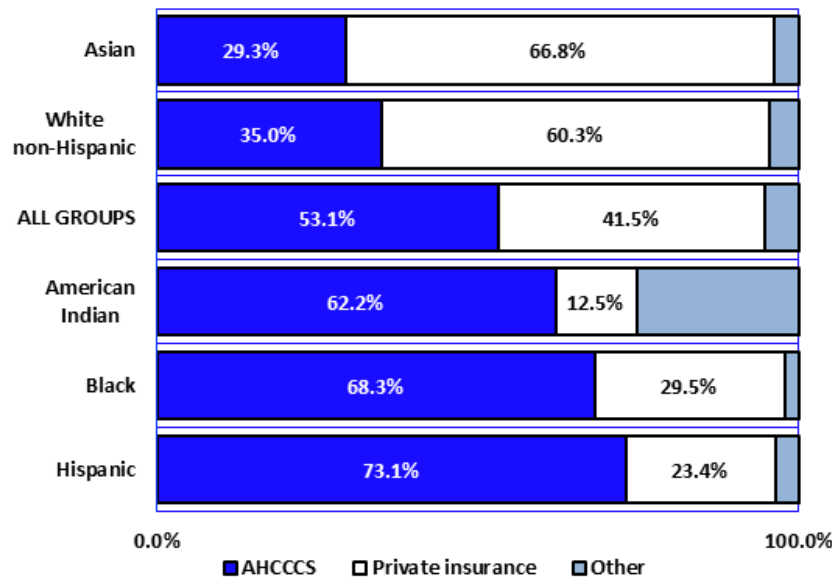
In 2012, the Arizona Health Care Cost Containment System (AHCCCS) paid for the majority of the deliveries to mothers 29 years or younger (**Figure 1B-17**). In contrast, private insurance was the largest payer for the deliveries of women giving birth who were 30 years old or older in 2012 (based on data 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 2012, the AHCCCS share more than doubled among mothers 20 years old or older.

**Figure 1B-18**  
Payee for Delivery by Mother's Race/Ethnicity, Arizona, 2012



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

In 2012, private insurance was the largest payer for deliveries of Asian (at 66.8 percent) and White non-Hispanic infants (at 60.3 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of Hispanic or Latino (73.1 percent), Black or African American (68.3 percent) and American Indian women (62.2 percent).

The Indian Health Service as a payer accounted for 24.2 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 53.2 percent of the 45,511 deliveries paid for by AHCCCS. Thirty percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-28**).

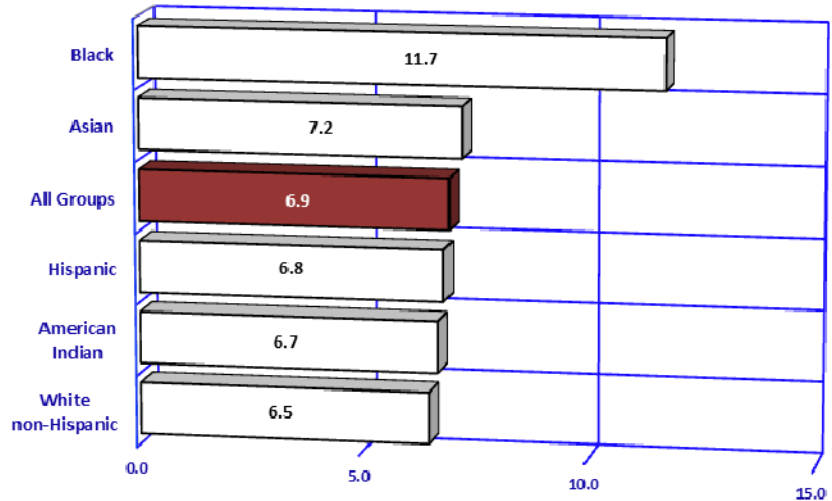


1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-19**  
Percent Low Birthweight<sup>a</sup> by Mother's Race/Ethnicity,  
Arizona Residents, 2012

In 2012, 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 race/ethnic group. LBW rates were highest for newborns of Black or African American mothers (11.7 percent) and Asian or Pacific Islander mothers (7.2 percent). Newborns of Hispanic or Latino, American Indian, and White non-Hispanic mothers had the lowest LBW rates (6.8, 6.7, and 6.5 percent respectively; based on data in **Table 1B-26**).

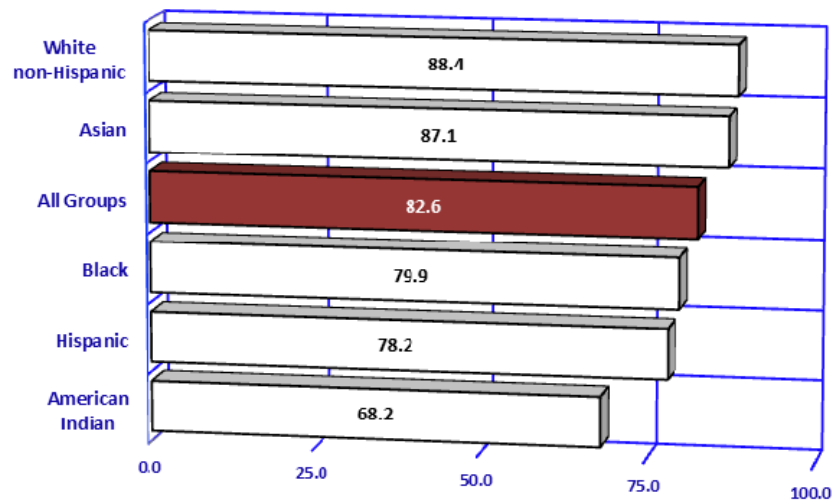


Notes: <sup>a</sup> Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).

**Figure 1B-20**  
First Trimester Prenatal Care by Mother's Race/Ethnicity,  
Arizona Residents, 2012

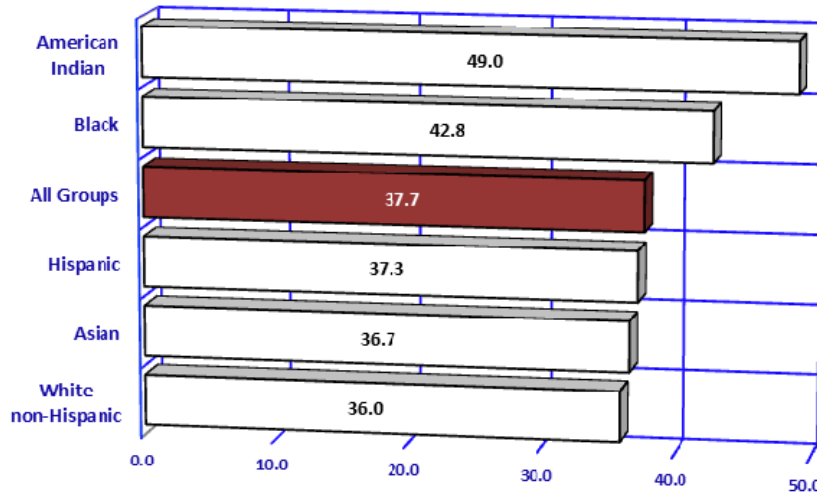
The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) has increased from 80.3 in 2009 to 82.6 in 2012 (**Table 1B-2**).

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 rates of utilization 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

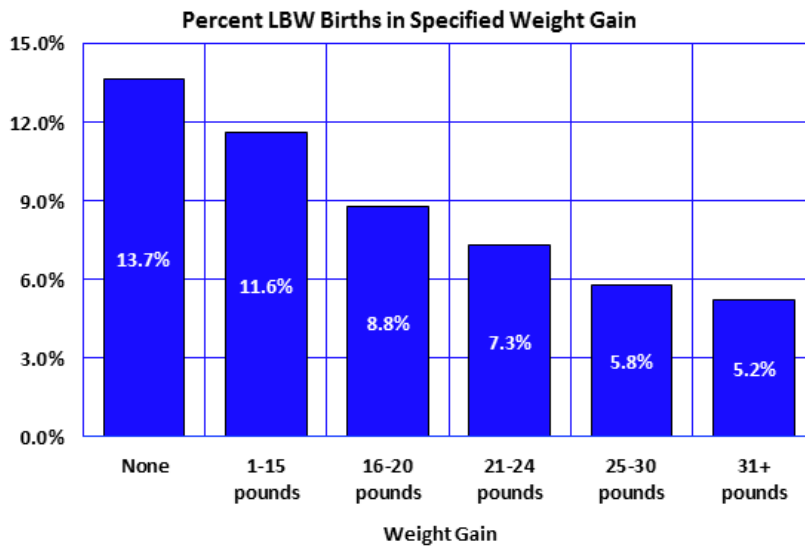
**Figure 1B-21**  
**Maternal Medical Risk Factors<sup>a</sup> by Mother's Race/Ethnicity, Arizona, 2012**



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 2012, American Indian or Alaskan Native and Black or African American women giving birth had the highest proportion of medical risk factors (49.0 and 42.8 percent respectively; **Figure 1B-21**).

Notes: <sup>a</sup> 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, 2012**



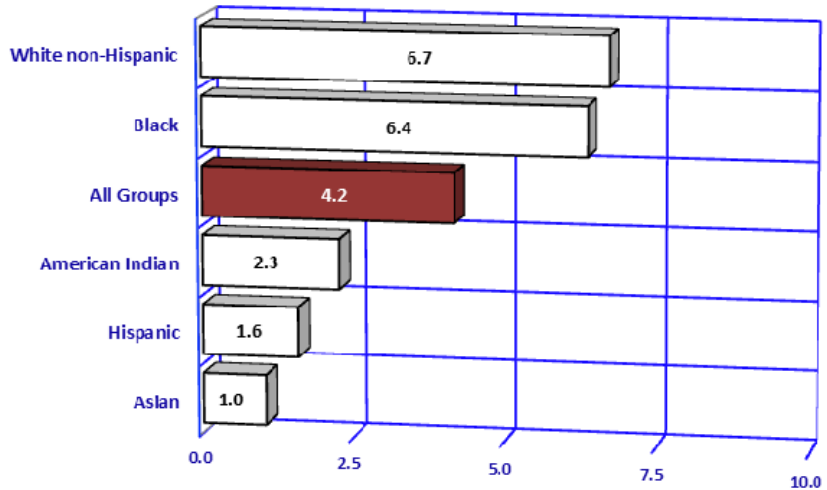
Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively influence both maternal and pregnancy outcome (see **Figure 2C-4.3**). Women who are of normal weight (average body mass index or BMI) should 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 2012, as in previous years, the percent of infants with low birthweight decreased with increasing maternal weight gain (**Figure 1B-22**).

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**Figure 1B-23**  
Self-reported Tobacco Use during Pregnancy<sup>a</sup> by Race/Ethnicity, Arizona, 2012

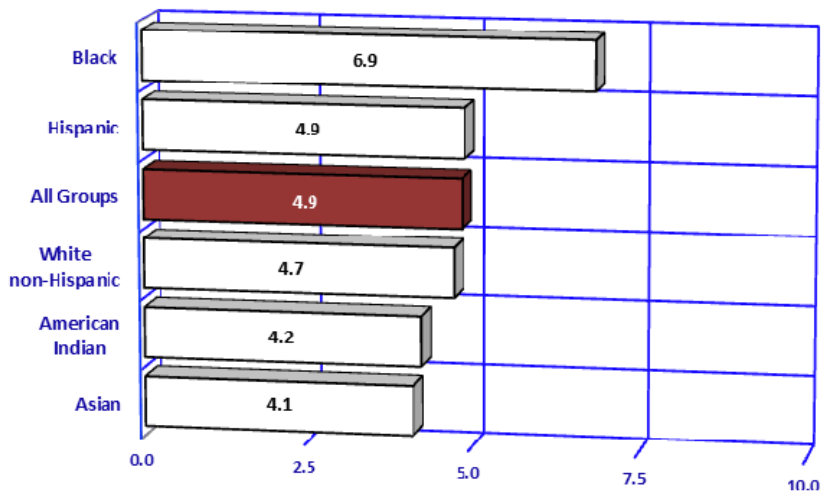
Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation, and preterm births. Smoking during pregnancy was reported by 4.2 percent of women giving birth in 2012 (**Table 1B-26, Table 5B-30**), compared to 10.5 percent in 1989, when this 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: <sup>a</sup> Mothers giving birth who reported tobacco use per 100 births in specified group.

**Figure 1B-24**  
Rates of Admission to Newborn Intensive Care Units<sup>a</sup> by Mother's Race/Ethnicity, Arizona, 2012

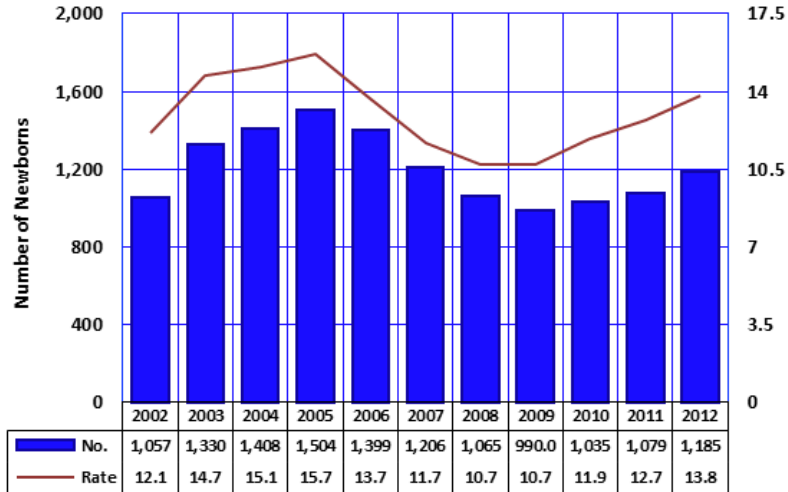
In 2012, 4,158, or 4.9 percent of newborns were admitted to newborn intensive care units (NICUs). Around 51 percent of the NICU admissions were low birthweight (LBW) babies. Prematurity, i.e., gestational age before 37 weeks captured more NICU admissions than did LBW, with 57.2 percent of NICU admissions being premature (based on data in **Table 1B-33**). The proportion of NICU admissions differed among race/ethnic groups. In 2012, the rate of NICU admissions for Black or African American (6.9 percent) was the highest among racial/ethnic groups (**Table 1B-26**).



Notes: <sup>a</sup> The number of newborns admitted to Intensive Care Units per 100 births in specified group.

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**Figure 1B-25**  
**Newborns Who Were Hospitalized after Birth because They Were Affected**  
**by Maternal Use of Drugs during Pregnancy, Arizona, 2002-2012**

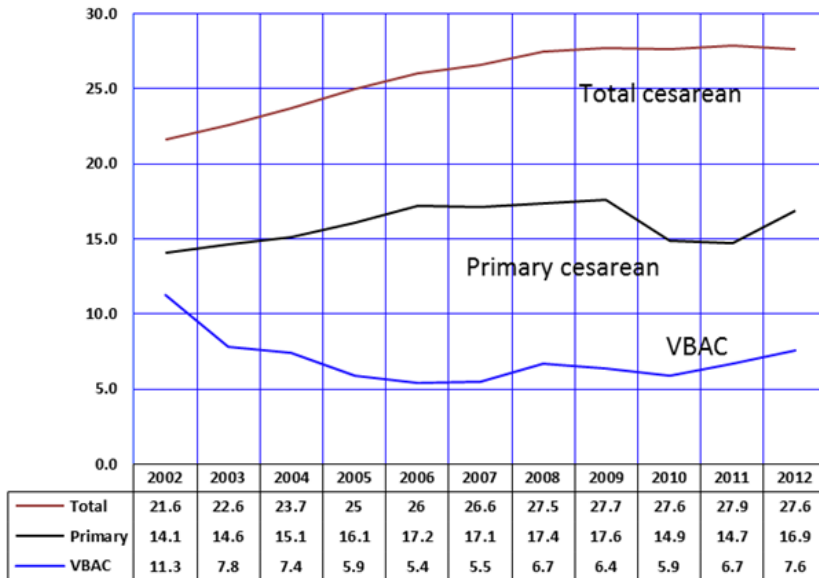


Information about maternal drug use during pregnancy is not reported on Arizona birth certificates. However, it can be obtained from the hospital discharge database. There are several diagnostic codes which identify exposure of fetus or newborn to specific noxious substances (such as narcotics, hallucinogenic agent, 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 13.8/1,000 in 2012, representing an 29.0 percent increase.

The diagnostic codes and additional information about hospitalizations related to noxious influences affecting the fetus are available online on the Health Status and Vital Statistics website at <http://www.azdhs.gov/plan/hip/for/substance/index.htm>

Notes: <sup>a</sup> 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<sup>a</sup> and Vaginal Births after Previous**  
**Cesarean (VBAC)<sup>b</sup>, Arizona, 2002-2012**



In 2012, 27.6 percent of all resident births were cesarean deliveries (**Figure 1B-26, Table 1B-2**).

The primary cesarean rate in 2012 (16.9 per 100 live births to women who had no previous cesarean) increased by 15.0 percent from 2011 (14.7 per 100 live births).

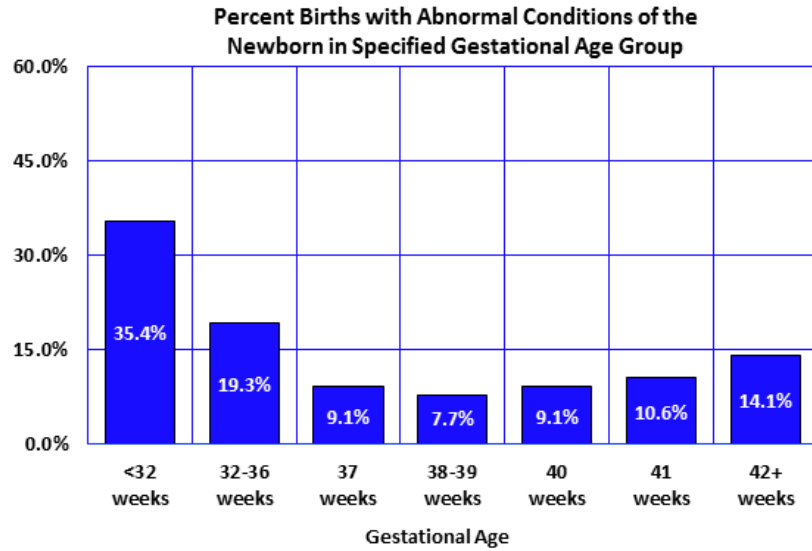
The rate of vaginal birth after previous cesarean delivery (VBAC) was 13.4 percent greater than the 2011 rate.

Notes: <sup>a</sup> Primary cesarean rate per 100 births with no previous cesarean; <sup>b</sup> 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, 2012**

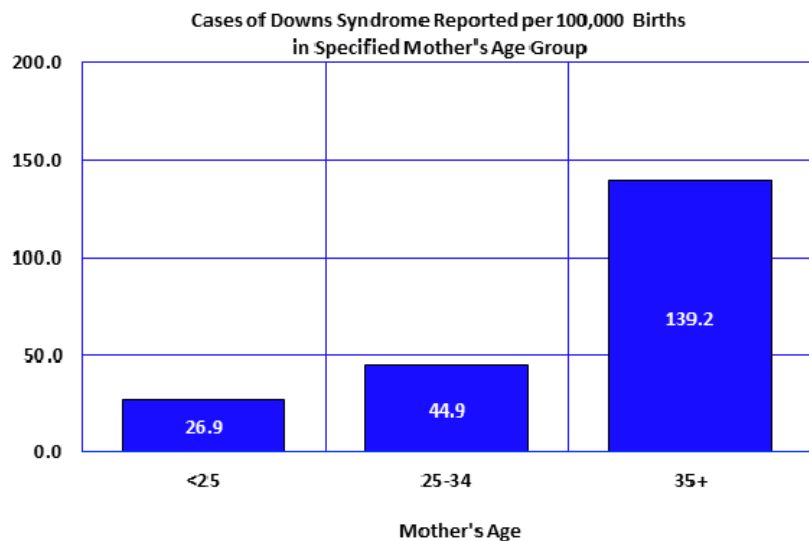
Since the first year these data were collected, three of the eight specific abnormal conditions listed on the birth certificate have been reported most frequently: *assisted ventilation less than 30 minutes*, *assisted ventilation of 30 minutes or longer*, and *hyaline membrane disease/ respiratory distress 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, 2012**

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 2012 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 139.2 cases of Down's Syndrome per 100,000 births to women 35 years or older was 5.2 times greater than the incidence rate of 26.9 for women aged 24 years or younger.



**TABLE 1B-1  
BIRTH RATE<sup>a</sup>, GENERAL FERTILITY RATE<sup>b</sup>, TOTAL FERTILITY RATE<sup>c</sup>,  
GROSS REPRODUCTION RATE, AND AGE-SPECIFIC BIRTH RATES<sup>d</sup> BY YEAR,  
ARIZONA AND UNITED STATES, 2002-2012**

Year	Area	Birth rate	General fertility rate	Total fertility rate <sup>e</sup>	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
2002	AZ	16.0	75.5	2,309	1,124	1.1	59.7	136.8	122.9	93.8	38.6	8.3	0.5
	U.S.	13.9	64.8	2,013	983	0.7	43.0	103.6	113.6	91.5	41.4	8.3	0.5
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	45.9	10.3	0.6
	U.S.	12.6	63.0	NA	NA	0.4	29.4	83.1	106.5	97.3	48.3	10.4	0.7

Notes: <sup>a</sup> The number of births per 1,000 population.

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

<sup>c</sup> 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 2011 TFR of 2,001 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 2011.

<sup>d</sup> 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 2000-2010.

<sup>e</sup> 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, 2002-2012  
(ALL RACE/ETHNIC GROUPS)**

<b>Characteristic</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Number of births</b>	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725
<b>Age of mother</b>											
≤19 years	13.1	12.9	12.7	12.5	12.7	12.6	12.3	11.8	10.8	9.9	9.5
≥30 years	31.4	31.6	32.3	32.2	31.6	32.3	33.1	33.8	35.0	36.1	36.7
<b>Marital status</b>											
Unmarried	40.2	41.2	41.9	42.8	43.9	45.0	45.1	45.2	44.7	44.3	45.2
<b>Mother's education</b>											
<9 years	9.1	9.4	9.3	8.7	8.2	7.8	6.9	6.1	5.3	4.6	4.3
<b>Mother's race/ethnicity</b>											
White <sup>a</sup>	44.4	42.8	42.0	41.4	42.2	41.1	42.3	43.0	44.5	45.0	45.1
Hispanic	41.3	43.1	43.7	44.0	44.0	44.5	43.0	41.4	39.4	38.0	38.7
Black	3.2	3.3	3.4	3.6	3.8	4.1	4.3	4.7	5.0	5.1	5.5
American Indian	6.3	6.5	6.6	6.6	6.2	6.2	6.4	6.7	6.7	6.8	6.5
Asian or Pacific Islander	4.8	4.4	4.2	4.4	3.9	4.0	4.1	4.2	4.4	5.0	4.2
<b>Prenatal care begin</b>											
1 <sup>st</sup> Trimester	75.7	75.6	76.3	77.7	77.7	77.6	79.4	80.3	81.9	81.7	82.6
3 <sup>rd</sup> Trimester	4.4	4.3	4.4	3.8	3.7	3.7	3.6	3.4	3.2	3.1	3.2
No Care	2.2	2.9	2.8	2.3	2.4	2.2	1.8	1.8	1.6	1.6	1.2
<b>Prenatal visits</b>											
1-4	4.5	4.3	4.6	4.2	4.0	3.9	3.6	3.5	3.3	3.4	3.6
≥5	91.5	90.2	91.7	93.3	93.5	93.9	94.5	94.5	94.9	94.5	94.9
≥9	75.9	74.6	75.5	76.6	76.4	76.7	77.8	78.9	80.5	80.6	81.3
≥13	31.7	29.8	27.6	25.9	27.5	29.4	29.9	30.0	31.6	33.7	34.6
<b>Medical risk/ Complications<sup>b</sup></b>	45.6	44.2	44.6	44.7	44.3	45.3	46.5	48.1	49.7	46.3	52.4
<b>Gestational age<sup>c</sup></b>											
Preterm (<37 weeks)	10.0	10.5	11.0	10.7	10.6	10.3	10.2	10.0	9.6	9.3	9.2
<b>Birth weight</b>											
<2,500 grams	6.8	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0	6.9
<1,500 grams	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2
<b>Child's sex</b>											
Male	51.3	51.0	51.2	51.2	51.2	51.2	51.1	51.1	50.9	51.2	51.2
Female	48.7	49.0	48.8	48.8	48.8	48.8	48.9	48.9	49.1	48.8	48.8
<b>Plurality</b>											
Multiple births	2.7	2.8	2.9	2.7	2.8	2.7	2.9	2.8	2.9	2.8	2.8
<b>Caesarean delivery</b>	21.6	22.6	23.7	25.0	26.0	26.6	27.5	27.7	27.6	27.9	27.6
<b>Place of delivery</b>											
Hospital <sup>d</sup>	98.9	98.8	98.8	98.9	98.9	99.0	99.0	98.8	98.8	98.5	98.6
<b>Attendant at birth</b>											
Midwife <sup>e</sup>	7.0	6.5	6.7	6.1	5.6	5.7	6.1	6.5	6.6	6.4	7.2
<b>Previous live births</b>											
1 or more	62.4	62.2	62.9	63.0	62.5	63.1	63.3	63.1	63.0	62.6	62.7

Notes: <sup>a</sup> Non-Hispanic.

<sup>b</sup> Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>c</sup> Physician's estimate.

<sup>d</sup> Hospital, clinic, medical center or maternity home.

**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, 2002-2012**  
**(ALL RACE/ETHNIC GROUPS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>	5,926	6,427	6,704	6,640	7,266	7,285	7,026	6,573	6,155	5,949	5,946
<b>Age of mother</b>											
≤19 years	14.9	14.9	14.3	14.2	14.5	14.2	13.2	13.1	12.3	11.6	10.7
≥30 years	34.3	34.7	34.3	33.5	34.3	34.7	35.8	37.4	37.8	37.9	39.4
<b>Marital status</b>											
Unmarried	45.3	45.7	46.5	48.3	48.3	49.2	48.6	48.5	49.4	50.0	51.4
<b>Mother's education</b>											
<9 years	8.8	9.5	8.7	8.3	7.8	7.7	6.3	5.7	4.7	4.5	4.5
<b>Mother's race/ethnicity</b>											
White <sup>a</sup>	43.9	41.6	42.3	41.1	39.8	40.9	41.0	41.5	41.9	43.5	42.1
Hispanic	39.2	41.8	41.2	40.8	42.3	41.5	40.8	38.7	38.1	34.9	37.9
Black	5.5	5.5	5.6	6.6	6.7	7.3	7.2	8.5	8.0	9.2	9.3
American Indian	6.1	6.3	6.6	6.9	6.5	5.8	6.1	6.0	6.6	6.8	6.3
Asian or Pacific Islander	5.3	4.8	4.4	4.7	4.7	4.5	5.0	5.2	5.4	5.7	4.4
<b>Prenatal care began</b>											
1st Trimester	74.2	73.8	75.4	77.4	77.2	77.4	79.5	80.6	81.0	81.2	80.0
3rd Trimester	3.5	3.5	2.9	2.7	2.8	3.1	2.9	2.6	2.7	2.3	2.7
No Care	4.6	5.1	4.5	4.7	4.9	4.5	3.8	3.6	3.2	3.2	2.9
<b>Prenatal visits</b>											
1-4	9.0	8.0	9.3	9.4	8.5	8.2	7.7	7.6	7.5	7.3	8.6
≥5	82.9	82.9	84.7	85.6	86.3	87.1	88.2	88.3	88.8	88.5	87.9
≥9	57.7	58.7	59.8	60.3	60.1	61.2	63.0	64.1	65.2	65.0	65.5
≥13	25.0	26.5	23.9	22.1	21.9	25.1	25.6	25.7	27.1	28.5	26.7
<b>Medical risks/ Complications<sup>b</sup></b>	68.9	64.0	63.8	67.2	65.1	65.9	68.7	70.5	73.3	69.2	73.2
<b>Gestational age<sup>c</sup></b>											
Preterm (<37 weeks)	70.9	70.9	73.3	73.7	72.7	72.3	71.7	71.2	70.2	70.1	71.2
<b>Birth weight</b>											
<1,500 grams	16.6	15.9	16.4	16.9	16.9	16.8	16.5	16.7	15.3	16.8	16.6
<1,000 grams	8.8	7.9	7.9	8.7	7.7	8.1	7.7	8.0	7.1	8.3	8.1
<b>Child's sex</b>											
Male	48.3	48.6	48.0	47.1	47.5	47.9	48.1	47.8	46.5	46.8	48.7
Female	51.7	51.4	52.0	52.9	52.5	52.1	51.9	52.2	53.5	53.2	51.3
<b>Plurality</b>											
Multiple births	23.2	23.4	23.7	22.2	22.5	23.1	23.3	22.1	23.1	22.8	23.0
<b>Caesarean delivery</b>	39.7	41.2	40.8	42.5	43.2	44.2	46.7	46.4	46.5	46.8	47.7
<b>Place of delivery</b>											
Hospital <sup>d</sup>	99.7	99.6	99.6	99.6	99.7	99.6	99.7	99.8	99.6	99.4	99.7
<b>Attendant at birth</b>											
Midwife <sup>e</sup>	3.1	2.8	3.1	2.5	1.9	2.5	2.6	2.3	2.6	2.3	2.5
<b>Previous live births</b>											
1 or more	58.0	58.7	58.1	58.3	59.6	60.5	60.5	59.7	60.3	59.6	61.4

Notes: <sup>a</sup> Non-Hispanic.

<sup>b</sup> Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>c</sup> Physician's estimate.

<sup>d</sup> Hospital, clinic, medical center or maternity home.

<sup>e</sup> Licensed Midwife or Certified Nurse Midwife.



**TABLE 1B-4**  
**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, 2002-2012**  
**(URBAN REGIONS)<sup>a</sup>**

Characteristic		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>		74,851	77,905	79,951	82,141	87,910	88,266	85,263	79,046	74,624	73,040	74,128
<b>Age of mother</b>	≤19 years	12.7	12.4	12.2	12.0	12.3	12.1	11.7	11.2	10.3	9.4	9.0
	≥30 years	32.0	32.2	33.1	32.9	32.5	33.3	34.1	35.1	36.2	37.4	37.9
<b>Marital status</b>	Unmarried	39.5	40.4	41.1	41.9	43.0	44.3	44.1	44.2	43.6	43.2	44.1
<b>Mother's education</b>	<9 years	9.7	10.1	9.9	9.3	8.8	8.3	7.4	6.5	5.6	4.9	4.7
<b>Mother's race/ethnicity</b>	White <sup>b</sup>	44.1	42.3	41.4	40.8	41.5	40.2	41.5	42.1	44.1	45.0	44.6
	Hispanic	44.1	46.0	46.7	46.9	46.7	47.5	45.8	44.4	42.0	40.5	40.9
	Black	3.5	3.7	3.8	4.0	4.2	4.5	4.8	5.3	5.6	5.7	6.1
	American Indian	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
	Asian or Pacific Islander	5.0	4.6	4.6	4.8	4.1	4.3	4.3	4.6	4.7	5.0	4.7
<b>Prenatal care began</b>	1st Trimester	76.5	76.5	77.1	78.4	78.4	78.2	80.4	81.5	83.1	82.5	83.4
	3rd Trimester	4.2	4.2	4.3	3.6	3.5	3.5	3.3	3.0	2.9	2.9	3.1
	No care	2.2	3.1	2.9	2.4	2.4	2.2	1.7	1.9	1.6	1.6	1.2
<b>Prenatal visits</b>	1-4	4.0	3.9	4.3	3.9	3.7	3.5	3.1	3.0	2.9	3.0	3.2
	≥5	92.0	90.5	92.0	93.7	93.7	94.2	95.1	94.9	95.4	94.8	95.3
	≥9	77.6	76.0	76.6	77.4	77.2	77.5	79.1	80.1	81.9	81.8	82.4
	≥13	32.8	30.5	27.7	25.5	27.5	29.6	30.1	30.6	32.1	34.1	35.1
<b>Medical risks/complications<sup>c</sup></b>		44.1	42.2	42.6	42.4	42.8	44.4	46.3	48.6	50.1	47.2	52.5
<b>Gestational age<sup>d</sup></b>	Preterm (<37 weeks)	10.1	10.6	11.0	10.8	10.7	10.3	10.2	10.1	9.7	9.4	9.2
<b>Birth weight</b>	<2,500 grams	6.8	7.0	7.1	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9
	<1,500 grams	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2
<b>Child's sex</b>	Male	51.4	51.1	51.1	51.1	51.2	51.3	51.0	51.3	50.8	51.2	51.2
	Female	48.6	48.9	48.9	48.9	48.8	48.7	49.0	48.7	49.2	48.8	48.8
<b>Plurality</b>	Multiple births	2.8	2.9	3.0	2.8	2.8	2.8	3.0	2.8	3.0	2.9	2.9
<b>Caesarean delivery</b>		21.8	22.8	23.8	25.4	26.0	26.8	27.8	28.1	28.0	28.3	27.9
<b>Place of delivery</b>	Hospital <sup>e</sup>	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.1	99.0	98.8	98.7
<b>Attendant at birth</b>	Midwife <sup>f</sup>	6.1	5.5	5.7	5.0	4.5	4.6	5.1	5.5	5.4	5.2	6.3
<b>Previous live births</b>	1 or more	65.0	61.9	62.7	62.9	62.3	62.9	63.1	62.9	62.8	62.4	62.6
<b>Number of LBW births</b>		5,079	5,479	5,666	5,630	6,175	6,205	5,974	5,548	5,238	5,065	5,096
<b>Age of mother</b>	≤19 years	16.2	14.9	13.6	13.7	14.3	13.7	12.6	12.7	12.1	10.9	10.2
	≥30 years	35.0	34.9	35.5	33.9	35.3	35.9	37.0	38.5	38.8	39.3	40.4
<b>Marital status</b>	Unmarried	44.8	45.0	45.5	47.2	47.2	48.6	47.4	48.1	48.4	49.0	50.1
<b>Mother's education</b>	<9 years	9.3	10.1	9.2	8.9	8.2	8.2	6.7	5.8	5.2	4.9	4.7
<b>Mother's race/ethnicity</b>	White <sup>b</sup>	43.3	40.9	42.0	40.5	39.1	39.6	39.8	40.5	41.1	42.8	41.1
	Hispanic	42.0	44.6	43.6	43.7	44.6	44.2	43.6	40.9	40.5	37.2	40.2
	Black	6.2	6.1	6.3	7.4	7.6	8.3	8.0	9.8	9.1	10.3	10.4
	American Indian	3.0	3.2	3.3	3.5	3.8	3.1	3.2	3.0	3.5	3.4	3.3
	Asian or Pacific Islander	5.6	5.2	4.9	4.9	4.9	4.8	5.5	5.7	5.7	6.3	4.9
<b>Prenatal care began</b>	1st Trimester	71.0	74.7	75.9	78.0	78.1	77.6	80.2	81.3	82.1	81.9	80.5
	3rd Trimester	3.8	3.4	2.9	2.4	2.6	2.9	2.6	2.2	2.4	2.0	2.6
	No care	4.9	5.4	4.7	4.7	4.9	4.5	3.9	3.8	3.0	3.0	2.8
<b>Prenatal visits</b>	1-4	8.8	7.7	9.1	9.3	8.4	8.1	7.3	7.2	7.1	7.0	7.8
	≥5	83.0	83.1	84.8	85.8	86.5	87.3	88.6	88.7	89.5	88.8	88.9
	≥9	58.4	59.3	60.5	60.9	60.6	61.7	63.7	65.0	66.6	65.8	66.5
	≥13	25.3	27.0	24.6	22.1	22.4	25.6	25.7	26.3	28.1	29.1	27.3
<b>Medical risks/complications<sup>c</sup></b>		68.1	62.8	62.7	65.7	64.4	66.0	69.6	71.8	74.6	70.8	74.2
<b>Gestational age<sup>d</sup></b>	Preterm (<37 weeks)	71.8	71.8	74.1	75.0	73.5	72.9	72.7	72.2	70.6	71.2	71.3
<b>Birth weight</b>	<1,500 grams	17.2	16.1	16.6	17.2	17.1	17.1	16.8	17.2	15.3	17.4	16.9
	<1,000 grams	9.1	8.0	8.1	9.0	8.0	8.3	8.0	8.3	7.3	8.7	8.4
<b>Child's sex</b>	Male	48.6	48.3	47.7	46.8	47.1	48.2	47.9	48.0	45.9	47.0	48.6
	Female	51.4	51.7	52.2	53.2	52.9	51.8	52.1	52.0	54.1	53.0	51.4
<b>Plurality</b>	Multiple births	24.0	24.4	25.3	22.9	23.2	24.4	23.9	22.8	24.0	23.3	23.9
<b>Caesarean delivery</b>		40.8	41.7	41.1	43.1	43.4	45.1	47.4	47.2	47.0	47.7	48.7
<b>Place of delivery</b>	Hospital <sup>e</sup>	99.8	99.7	99.7	99.7	99.8	99.7	99.8	99.8	99.7	99.5	99.8
<b>Attendant at birth</b>	Midwife <sup>f</sup>	2.6	2.2	2.4	1.8	1.4	1.9	2.2	1.9	2.1	1.6	2.0
<b>Previous live births</b>	1 or more	57.3	58.6	58.4	58.1	58.9	60.1	59.8	59.7	59.3	59.2	61.2

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

<sup>b</sup> Non-Hispanic.

<sup>c</sup> Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>d</sup> Physician's estimate.

<sup>e</sup> Hospital, clinic, medical center or maternity home.

<sup>f</sup> 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, 2002-2012  
(RURAL REGIONS)<sup>a</sup>**

Characteristic		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>		12,498	12,848	13,409	13,603	14,083	14,413	13,952	13,570	12,429	12,150	11,597
<b>Age of mother</b>	≤19 years	15.7	15.7	15.5	15.5	14.9	15.8	15.4	15.4	13.9	12.7	12.2
	≥30 years	27.4	27.9	27.3	27.9	26.6	26.2	26.8	26.7	27.9	28.2	29.3
<b>Marital status</b>	Unmarried	44.5	46.0	46.8	48.4	49.2	49.4	51.1	50.7	51.2	51.0	52.4
<b>Mother's education</b>	<9 years	5.2	5.2	5.6	5.4	4.9	4.5	4.0	4.0	3.1	2.5	2.2
<b>Mother's race/ethnicity</b>	White <sup>b</sup>	46.5	45.8	45.7	45.0	46.5	46.6	46.7	48.1	47.2	47.9	48.7
	Hispanic	24.4	25.5	26.1	26.3	26.7	26.6	25.7	24.3	24.4	23.0	24.1
	Black	1.1	1.2	1.1	1.0	1.1	1.1	1.3	1.2	1.2	1.4	1.5
	American Indian	24.3	25.0	25.2	25.4	23.5	23.2	24.4	24.4	25.0	25.7	24.2
	Asian or Pacific Islander	3.7	2.6	1.9	2.2	2.2	2.6	2.0	2.1	2.2	2.0	1.5
<b>Prenatal care began</b>	1st Trimester	70.8	70.0	71.4	73.9	73.5	73.7	72.7	73.3	74.8	77.1	77.7
	3rd Trimester	5.1	4.9	4.8	4.7	4.9	4.8	5.2	5.5	5.3	4.1	4.3
	No care	1.7	1.7	2.1	2.1	1.9	1.9	1.9	1.5	1.8	1.5	1.5
<b>Prenatal visits</b>	1-4	7.2	6.8	6.5	6.1	6.2	6.0	6.8	6.1	5.9	5.7	5.7
	≥5	88.5	88.0	90.1	91.5	91.7	91.9	91.1	92.0	91.8	92.3	92.4
	≥9	66.0	66.6	68.9	72.4	71.1	71.4	69.7	71.5	71.9	73.3	73.9
	≥13	25.2	25.5	26.7	28.0	27.6	27.9	28.8	26.5	28.7	31.2	31.0
<b>Medical risks/complications<sup>c</sup></b>		54.7	56.3	56.6	58.3	53.5	50.7	48.2	45.1	47.9	41.1	52.0
<b>Gestational age<sup>d</sup></b>	Preterm (<37 weeks)	9.4	10.0	10.9	10.0	10.0	10.0	9.7	9.7	9.4	8.8	9.1
<b>Birth weight</b>	<2,500 grams	6.8	7.3	7.7	7.4	7.7	7.5	7.5	7.6	7.4	7.3	7.3
	<1,500 grams	0.9	0.8	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.0	1.1
<b>Child's sex</b>	Male	51.1	50.6	51.5	51.7	51.0	50.0	51.3	50.3	51.4	51.3	51.2
	Female	48.9	49.4	48.5	48.3	49.0	50.0	48.7	49.7	48.6	48.7	48.8
<b>Plurality</b>	Multiple births	2.4	2.3	2.0	2.3	2.4	2.2	2.4	2.5	2.3	2.6	2.2
<b>Caesarean delivery</b>		20.6	21.4	22.9	23.1	25.8	25.3	26.0	25.4	25.2	25.8	25.7
<b>Place of delivery</b>	Hospital <sup>e</sup>	97.5	97.2	96.8	96.9	97.2	97.3	97.1	96.9	97.2	97.0	98.0
<b>Attendant at birth</b>	Midwife <sup>f</sup>	12.2	12.4	12.6	12.9	12.4	12.5	12.7	12.6	13.4	14.0	13.4
<b>Previous live births</b>	1 or more	65.0	64.3	64.4	64.1	64.3	64.5	64.4	64.3	64.3	63.8	63.3
<b>Number of LBW births</b>		844	940	1,030	1,003	1,080	1,080	1,052	1,025	917	884	850
<b>Age of mother</b>	≤19 years	16.2	17.8	17.8	17.5	16.0	17.2	16.4	15.1	13.1	15.5	13.9
	≥30 years	29.7	33.9	27.6	31.5	28.8	28.1	29.4	31.1	31.7	30.1	32.8
<b>Marital status</b>	Unmarried	48.3	50.3	52.1	54.0	54.9	53.1	55.2	50.6	55.2	55.7	59.1
<b>Mother's education</b>	<9 years	5.8	6.4	6.2	5.4	5.4	4.8	3.9	4.9	2.3	2.3	3.1
<b>Mother's race/ethnicity</b>	White <sup>b</sup>	47.5	45.6	43.8	44.8	43.5	48.0	47.6	46.8	46.6	47.3	48.1
	Hispanic	22.6	26.0	28.2	24.7	29.5	25.8	24.9	26.9	24.1	21.6	24.2
	Black	1.7	2.0	1.7	1.8	1.8	1.8	2.6	1.3	1.4	2.6	2.2
	American Indian	24.3	23.8	24.5	26.2	21.9	21.4	22.7	22.2	24.1	26.2	24.0
	Asian or Pacific Islander	3.9	2.6	1.9	2.5	3.3	3.1	2.2	2.8	3.8	2.3	1.4
<b>Prenatal care began</b>	1st Trimester	71.0	68.7	72.5	74.1	72.0	76.0	75.7	76.7	74.3	77.3	76.5
	3rd Trimester	3.8	3.9	2.4	4.7	4.3	4.2	4.1	4.4	4.0	3.5	3.4
	No care	2.8	3.8	3.5	4.4	5.2	4.5	3.5	2.6	4.4	4.0	3.8
<b>Prenatal visits</b>	1-4	10.0	10.0	10.6	9.9	9.4	9.4	10.2	9.8	9.5	8.7	13.1
	≥5	82.8	81.6	83.7	85.0	84.9	85.9	85.8	86.4	85.1	86.2	82.0
	≥9	53.8	55.3	55.9	57.3	56.8	58.1	59.0	59.2	57.4	60.4	59.2
	≥13	23.3	23.6	20.1	22.1	19.3	22.0	24.9	22.6	21.3	25.2	22.9
<b>Medical risks/complications<sup>c</sup></b>		73.6	71.1	69.3	75.3	69.2	65.1	63.9	63.6	66.1	60.2	67.4
<b>Gestational aged</b>	Preterm (<37 weeks)	65.6	65.0	69.5	66.1	68.0	68.9	65.9	65.7	67.8	64.0	70.5
<b>Birth weight</b>	<1,500 grams	12.8	14.7	15.2	14.8	15.7	15.3	14.5	14.4	15.3	13.5	6.2
	<1,000 grams	6.8	6.5	6.7	7.1	6.2	7.1	5.7	5.9	6.3	6.0	14.5
<b>Child's sex</b>	Male	46.7	49.8	49.2	48.5	49.8	46.1	49.1	47.0	50.2	45.9	49.2
	Female	53.3	50.1	50.8	51.5	50.2	53.9	50.8	53.0	49.8	54.1	50.8
<b>Plurality</b>	Multiple births	18.2	17.8	15.0	17.8	18.2	15.9	19.8	18.4	17.9	20.5	17.9
<b>Caesarean delivery</b>		33.3	38.2	39.0	38.6	41.6	39.2	42.7	42.0	43.2	41.4	41.8
<b>Place of delivery</b>	Hospital <sup>e</sup>	98.9	99.1	99.1	98.8	99.4	99.3	99.1	99.4	99.2	98.5	98.9
<b>Attendant at birth</b>	Midwife <sup>f</sup>	6.4	6.2	6.5	6.1	5.3	5.6	5.1	4.6	5.3	6.3	5.2
<b>Previous live births</b>	1 or more	62.1	59.3	56.6	59.5	63.1	62.2	64.6	59.8	65.6	62.2	62.4

Notes: <sup>a</sup> 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.

<sup>b</sup> Non-Hispanic.

<sup>c</sup> Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>d</sup> Physician's estimate.

<sup>e</sup> Hospital, clinic, medical center or maternity home.

<sup>f</sup> 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, 2002-2012**  
**(WHITE NON-HISPANIC MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670
<b>Age of mother</b>											
≤19 Years	7.9	7.6	7.1	6.9	7.5	7.3	7.1	6.8	6.2	5.5	5.1
≥30 Years	39.3	39.9	40.3	39.3	37.9	38.5	38.7	39.3	40.4	41.5	42.9
<b>Marital status</b>											
Unmarried	25.0	25.1	24.8	26.1	27.7	28.4	29.5	29.7	29.9	29.5	30.4
<b>Mother's education</b>											
<9 years	1.3	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.1	1.2	1.0
<b>Prenatal care began</b>											
1st Trimester	86.5	86.8	87.3	87.7	86.9	86.5	87.3	87.9	88.2	88.0	88.4
3rd Trimester	1.9	1.9	1.9	1.8	2.0	2.1	1.9	1.9	2.1	1.8	1.8
No Care	0.7	0.6	0.7	0.8	0.9	0.9	0.7	0.7	0.6	0.6	0.6
<b>Prenatal visits</b>											
1-4	2.2	2.3	2.1	2.0	2.0	2.1	2.0	1.8	1.7	1.7	2.0
≥5	95.4	94.0	96.1	97.1	96.9	97.0	97.2	97.3	97.5	97.1	97.1
≥9	84.1	82.8	85.2	85.7	84.9	84.6	85.0	86.4	87.6	86.9	87.3
≥13	33.4	32.1	30.6	29.9	32.4	34.6	34.8	35.0	37.4	39.7	41.2
<b>Medical risks/</b>											
<b>Complications<sup>a</sup></b>											
47.9	49.2	58.7	48.1	45.4	47.5	47.7	48.1	49.5	46.1	50.6	
<b>Gestational Age<sup>b</sup></b>											
Preterm (<37 weeks)	10.5	11.0	11.4	10.9	10.5	10.4	10.1	9.9	9.2	9.1	8.7
<b>Birth weight</b>											
<2,500 grams	6.7	6.9	7.2	6.9	6.7	7.1	6.9	6.9	6.7	6.7	6.5
<1,500 grams	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	1.0
<b>Child's sex</b>											
Male	51.7	51.2	51.0	51.5	51.3	50.8	51.1	51.2	51.4	51.1	51.3
Female	48.3	48.8	49.0	48.5	48.7	49.2	48.9	48.8	48.6	48.9	48.7
<b>Plurality</b>											
Multiple births	3.5	3.5	3.8	3.4	3.2	3.5	3.6	3.4	2.9	3.5	3.4
<b>Caesarean delivery</b>											
23.8	24.2	25.9	27.1	27.9	28.6	29.5	29.5	27.6	29.4	28.7	
<b>Place of delivery</b>											
Hospital <sup>c</sup>	98.2	97.9	97.6	97.8	97.9	97.9	97.9	97.6	98.8	97.4	97.4
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	4.0	3.9	3.6	3.1	3.8	3.6	4.0	4.5	6.6	4.9	6.0
<b>Previous live births</b>											
1 or more	59.3	58.9	59.8	59.2	58.9	59.7	59.5	59.4	63.0	59.2	59.6

Notes: <sup>a</sup> Reported medical risks for this pregnancy and/or complications of labor and d

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012**  
**(WHITE NON-HISPANIC MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of LBW births</b>	2,600	2,672	2,836	2,729	2,891	2,978	2,878	2,727	2,579	2,586	2,505
<b>Age of mother</b>											
≤19 years	9.3	9.5	9.3	8.6	8.6	8.8	7.6	8.7	7.1	6.8	6.5
≥30 years	42.7	44.5	41.9	40.5	41.8	40.9	41.8	43.2	43.6	44.8	45.5
<b>Marital status</b>											
Unmarried	31.7	30.3	30.3	32.7	33.0	34.6	34.1	33.5	34.7	36.2	37.2
<b>Mother's education</b>											
<9 years	2.1	2.0	1.6	1.8	1.8	1.6	1.4	1.1	1.1	1.5	1.4
<b>Prenatal care began</b>											
1st Trimester	83.5	83.4	84.8	86.9	85.6	86.2	86.5	86.8	86.1	86.4	84.2
3rd Trimester	2.0	2.4	1.7	1.6	1.7	1.8	1.7	1.9	2.1	1.4	2.0
No Care	2.1	2.1	1.9	2.1	3.0	2.4	2.1	1.9	2.2	1.7	2.2
<b>Prenatal visits</b>											
1-4	6.2	5.2	5.7	5.8	5.2	5.5	4.7	5.3	4.5	4.5	6.1
≥5	87.5	87.9	90.4	92.0	91.6	92.0	92.9	92.4	92.9	92.5	91.1
≥9	64.7	66.8	69.6	69.7	68.6	70.1	69.8	70.6	74.4	71.5	71.4
≥13	28.5	31.8	29.4	28.1	27.1	31.0	29.9	30.5	34.3	34.6	31.7
<b>Medical risks/</b>											
<b>Complications<sup>a</sup></b>											
	72.6	69.6	66.2	70.9	66.5	68.6	71.5	71.5	73.2	72.2	74.2
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	74.4	72.4	76.8	74.3	74.6	74.0	72.9	71.7	69.5	70.9	71.4
<b>Birth weight</b>											
<1,500 grams	17.3	16.5	14.9	15.8	16.1	15.0	15.7	15.5	13.3	16.7	16.1
<1,000 grams	8.5	7.7	7.1	8.4	7.1	6.2	6.8	6.9	5.7	7.6	7.6
<b>Child's sex</b>											
Male	48.0	49.5	47.2	46.2	47.4	46.9	47.0	46.3	45.4	47.1	46.7
Female	52.0	50.5	52.8	53.8	52.6	53.1	53.0	53.7	54.6	52.9	53.3
<b>Plurality</b>											
Multiple births	29.1	29.6	30.3	28.8	28.7	29.6	30.1	26.7	29.2	29.1	28.8
<b>Caesarean delivery</b>											
	45.8	48.1	46.8	47.9	48.4	49.6	53.2	50.5	51.1	50.9	52.5
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.8	99.5	99.5	99.6	99.5	99.5	99.4	99.7	99.5	99.2	99.4
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	1.7	1.2	1.4	0.9	0.9	1.2	1.3	1.1	1.1	1.0	1.3
<b>Previous live births</b>											
1 or more	55.2	54.7	54.6	54.3	56.9	57.5	58.3	56.7	58.2	56.2	57.9

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012**  
**(HISPANIC OR LATINO MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146
<b>Age of mother</b>											
≤19 years	18.2	17.4	17.5	17.1	17.2	17.0	16.8	16.5	15.6	14.3	14.0
≥30 years	22.9	23.6	24.7	25.6	25.5	26.5	27.5	28.4	29.4	29.8	30.2
<b>Marital status</b>											
Unmarried	52.2	52.7	53.9	54.3	55.4	56.7	56.5	56.9	56.2	56.6	57.2
<b>Mother's education</b>											
<9 years	19.0	19.2	18.8	17.5	16.4	15.4	13.9	12.3	10.7	9.3	8.7
<b>Prenatal care began</b>											
1st Trimester	65.6	65.8	67.0	69.5	70.1	70.5	73.4	74.1	76.6	76.5	78.2
3rd Trimester	6.6	6.2	6.3	5.2	5.1	4.9	4.5	4.4	4.1	4.1	4.3
No Care	3.8	4.8	4.5	3.6	3.6	3.2	2.5	2.9	2.6	2.5	1.9
<b>Prenatal visits</b>											
1-4	6.2	5.7	6.4	5.5	5.2	4.9	4.4	4.5	4.2	4.4	4.5
≥5	88.2	87.4	88.4	90.8	91.0	91.8	93.0	92.4	93.0	92.7	93.3
≥9	69.4	68.5	67.9	70.0	70.3	71.2	73.3	73.4	75.0	76.3	77.0
≥13	32.6	28.9	25.8	22.9	23.9	25.7	26.7	26.3	27.2	28.8	29.1
<b>Medical risks/</b>											
<b>    Complications<sup>a</sup></b>											
Complications <sup>a</sup>	41.0	38.1	39.3	40.5	41.5	41.4	43.7	46.4	48.0	44.2	52.6
<b>    Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	9.4	9.8	10.3	10.1	10.1	9.8	9.9	9.7	9.5	9.1	9.4
<b>Birth weight</b>											
<2,500 grams	6.4	6.9	6.8	6.4	6.9	6.6	6.7	6.6	6.8	6.4	6.8
<1,500 grams	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
<b>Child's sex</b>											
Male	51.2	51.0	51.2	51.1	51.2	51.4	51.0	51.1	50.5	51.4	51.2
Female	48.8	49.0	48.8	48.9	48.8	48.6	49.0	48.9	49.5	48.6	48.8
<b>Plurality</b>											
Multiple births	2.1	2.3	2.2	2.3	2.4	2.2	2.2	2.2	2.3	2.1	2.1
<b>Caesarean delivery</b>											
Caesarean delivery	19.5	21.1	21.9	23.5	24.0	24.6	25.7	25.8	25.9	26.1	26.0
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.8	99.8	99.7	99.7	99.8	99.7	99.8	99.7	99.7	99.6	99.6
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	7.0	5.6	5.9	5.2	4.6	4.9	5.6	6.0	5.7	5.3	6.1
<b>Previous live births</b>											
1 or more	65.5	65.5	65.9	66.7	66.0	66.4	67.4	67.2	66.9	66.6	66.2

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012  
(HISPANIC OR LATINO MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of LBW births</b>	2,325	2,687	2,759	2,710	3,074	3,021	2,866	2,546	2,342	2,075	2,256
<b>Age of mother</b>											
≤19 years	21.4	21.1	18.9	19.6	20.5	19.4	18.7	18.1	17.1	16.6	15.0
≥30 years	23.8	24.4	26.7	26.6	27.0	28.5	29.0	31.7	32.6	29.3	32.3
<b>Marital status</b>											
Unmarried	56.3	57.0	58.0	59.2	58.6	60.2	58.6	58.7	60.6	61.7	61.9
<b>Mother's education</b>											
<9 years	18.8	19.1	18.2	16.8	15.0	15.7	12.2	12.2	9.5	9.3	8.5
<b>Prenatal care began</b>											
1st Trimester	64.9	65.8	67.2	69.5	71.1	69.7	74.8	75.9	76.7	77.2	76.5
3rd Trimester	5.2	4.0	3.9	3.4	3.6	4.0	3.2	2.7	3.2	2.7	3.2
No Care	6.7	7.5	6.5	6.7	6.4	6.0	4.7	5.2	3.9	4.3	3.7
<b>Prenatal visits</b>											
1-4	12.0	10.0	12.5	12.5	11.0	10.7	9.6	9.5	9.2	9.7	10.6
≥5	79.0	79.3	79.9	80.6	82.3	83.1	85.5	85.0	86.2	85.4	85.4
≥9	51.3	52.5	50.9	52.7	53.5	54.4	58.5	58.2	58.7	59.9	59.9
≥13	23.1	22.2	19.9	16.9	18.6	20.7	22.5	21.3	21.4	23.6	21.9
<b>Medical risks</b>											
<b>Complications<sup>a</sup></b>	64.0	58.5	61.1	63.5	62.4	62.2	67.1	69.0	72.8	66.4	73.8
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	68.4	69.7	71.7	74.3	71.5	71.6	72.0	71.1	70.9	71.4	72.0
<b>Birth weight</b>											
<1,500 grams	16.2	15.7	18.2	18.0	18.2	18.2	16.3	17.1	15.6	16.6	16.8
<1,000 grams	8.8	8.2	9.0	9.4	8.6	9.8	7.4	8.4	7.3	8.9	8.2
<b>Child's sex</b>											
Male	48.3	47.7	48.1	47.1	47.2	49.3	48.9	48.5	47.8	46.7	51.1
Female	51.7	52.3	51.9	52.9	52.8	50.7	51.1	51.5	52.2	53.3	48.9
<b>Plurality</b>											
Multiple births	19.1	18.7	19.5	18.9	19.1	19.5	18.3	18.6	18.8	18.1	18.5
<b>Caesarean delivery</b>											
	33.5	35.3	36.5	38.3	39.8	40.1	41.4	42.6	42.5	44.4	43.3
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.9	99.8	99.7	99.6	99.9	99.7	99.9	99.9	99.9	99.6	99.8
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	3.4	2.7	2.8	2.5	1.5	2.4	2.9	2.6	3.0	2.4	3.0
<b>Previous live births</b>											
1 or more	60.6	61.4	60.7	60.8	61.2	63.8	62.2	63.0	63.0	62.8	63.9

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012**  
**(BLACK OR AFRICAN AMERICAN MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715
<b>Age of mother</b>											
≤19 years	17.0	18.2	16.8	16.5	15.6	14.9	15.3	13.8	13.0	12.8	11.5
≥30 years	25.1	23.9	25.7	25.3	26.2	27.0	26.7	28.2	28.3	30.3	30.2
<b>Marital status</b>											
Unmarried	61.8	62.7	62.0	61.9	62.3	61.9	62.6	62.7	63.1	63.6	64.8
<b>Mother's education</b>											
<9 years	2.5	2.6	3.0	4.8	4.6	4.4	5.0	4.4	5.2	4.3	4.3
<b>Prenatal care began</b>											
1st Trimester	75.2	75.7	75.8	76.6	77.4	76.8	77.6	80.3	81.6	80.4	79.9
3rd Trimester	3.6	4.4	4.4	3.4	2.8	3.7	3.7	2.9	3.3	3.0	3.4
No Care	1.7	3.5	3.3	2.6	2.3	2.7	2.1	1.6	1.7	1.6	1.1
<b>Prenatal visits</b>											
1-4	4.3	4.1	4.6	4.5	4.1	4.4	3.7	3.6	4.1	4.0	4.5
≥5	91.3	89.3	91.0	92.7	93.3	92.8	93.9	94.5	94.0	93.4	94.1
≥9	75.0	74.7	75.2	74.4	74.6	75.0	75.4	78.6	78.4	79.1	78.5
≥13	31.3	31.7	28.5	24.6	26.9	28.2	28.5	29.5	30.4	33.6	32.7
<b>Medical risks</b>											
<b>Complications<sup>a</sup></b>	48.5	46.6	44.1	44.4	44.4	46.4	50.3	53.4	56.0	52.0	56.6
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	14.0	14.4	14.4	16.4	14.5	14.9	14.0	14.4	12.3	12.7	11.9
<b>Birth weight</b>											
<2,500 grams	11.9	11.7	11.6	12.6	12.7	12.8	11.7	12.8	11.4	12.5	11.7
<1,500 grams	2.5	2.2	2.5	2.5	2.3	2.6	2.6	2.8	2.6	2.5	2.3
<b>Child's sex</b>											
Male	52.0	51.8	51.3	50.5	50.8	51.8	52.4	52.0	50.8	50.5	50.5
Female	48.0	48.2	48.7	49.5	49.2	48.2	47.6	48.0	49.2	49.5	49.5
<b>Plurality</b>											
Multiple births	3.3	3.8	3.4	3.1	3.8	3.6	4.1	4.2	3.3	3.6	4.1
<b>Caesarean delivery</b>											
Caesarean delivery	24.2	25.5	25.8	27.4	29.1	30.3	30.5	30.9	30.7	31.1	31.9
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.6	99.2	99.3	99.5	99.3	99.6	99.4	99.6	99.5	99.3	99.6
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	3.8	3.4	3.5	3.0	2.6	2.4	3.4	3.2	3.4	2.7	3.5
<b>Previous live births</b>											
1 or more	62.3	61.4	63.5	62.3	61.4	63.2	62.7	62.8	62.8	63.0	63.8

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012**  
**(BLACK OR AFRICAN AMERICAN MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of LBW births</b>	327	354	373	435	489	532	503	559	492	546	551
<b>Age of mother</b>											
≤19 years	18.0	16.9	18.0	16.8	17.0	15.8	16.7	13.8	17.5	13.7	10.2
≥30 years	29.1	24.6	26.8	26.7	29.2	28.2	31.8	30.6	27.6	33.5	32.3
<b>Marital status</b>											
Unmarried	67.0	68.1	68.4	65.7	66.1	66.4	65.2	69.8	72.2	67.9	69.0
<b>Mother's education</b>											
<9 years	1.8	2.5	2.1	6.2	4.3	5.5	4.4	3.2	4.3	2.9	2.9
<b>Prenatal care began</b>											
1st Trimester	74.0	74.0	72.1	75.6	75.9	77.4	77.7	79.4	82.5	80.0	78.8
3rd Trimester	2.8	5.4	3.5	2.3	1.6	3.4	3.4	2.5	1.6	3.1	3.4
No Care	4.6	5.9	6.7	4.4	3.5	3.6	4.4	4.1	2.4	2.4	2.4
<b>Prenatal visits</b>											
1-4	6.7	9.3	9.4	9.0	9.4	9.0	6.8	7.3	9.3	9.5	10.3
≥5	84.7	79.7	82.3	85.5	86.7	87.4	88.5	88.0	87.8	86.3	86.0
≥9	56.9	56.8	59.5	57.7	60.9	60.0	62.0	64.0	60.4	64.1	64.4
≥13	22.3	28.8	24.1	23.4	21.3	22.9	21.3	23.8	26.6	29.3	27.6
<b>Medical risks</b>											
<b>Complications<sup>a</sup></b>	65.1	59.3	61.7	64.1	63.0	67.7	68.4	72.8	74.0	68.7	68.4
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	68.5	70.1	71.6	74.3	70.6	70.1	71.6	72.1	68.9	65.6	65.7
<b>Birth weight</b>											
<1,500 grams	21.4	18.4	21.7	20.0	18.2	20.3	22.1	22.2	23.0	20.0	20.0
<1,000 grams	12.8	11.6	10.5	11.0	9.8	10.2	13.1	10.9	12.6	10.8	10.3
<b>Child's sex</b>											
Male	48.9	49.4	47.5	47.1	45.2	47.9	49.7	49.7	42.3	46.0	45.7
Female	51.1	50.6	52.5	52.9	54.6	52.1	50.3	50.3	57.7	54.0	54.3
<b>Plurality</b>											
Multiple births	18.7	19.5	20.1	14.5	18.2	18.6	19.1	22.0	19.7	17.8	21.2
<b>Caesarean delivery</b>											
	38.5	34.7	36.2	39.3	37.4	43.0	44.9	45.6	43.9	43.4	45.6
<b>Place of delivery</b>											
Hospital <sup>c</sup>	100.0	99.7	98.7	100.0	99.6	100.0	99.8	99.6	99.4	99.8	100.0
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	1.8	2.3	1.6	1.1	1.0	1.1	2.0	1.3	2.0	2.6	0.9
<b>Previous live births</b>											
1 or more	64.8	64.7	63.5	59.8	62.8	64.5	62.8	61.4	59.3	62.5	65.2

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012**  
**(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569
<b>Age of mother</b>											
≤19 years	18.7	19.4	18.7	19.1	19.1	20.1	18.6	19.0	17.0	16.9	16.0
≥30 years	25.8	23.8	24.9	25.4	23.6	24.0	24.0	23.8	24.1	25.0	25.2
<b>Marital status</b>											
Unmarried	69.7	72.4	73.1	72.9	74.8	75.9	75.8	76.9	77.7	77.1	78.5
<b>Mother's education</b>											
<9 years	3.9	3.8	3.9	3.5	3.5	3.0	3.2	2.8	2.8	2.5	2.5
<b>Prenatal care began</b>											
1st Trimester	64.4	68.8	69.0	67.9	65.9	65.9	65.1	66.0	69.4	68.6	68.2
3rd Trimester	7.1	6.0	5.6	6.6	7.0	6.6	7.8	7.4	6.2	6.1	7.0
No Care	2.6	2.4	3.0	3.0	3.5	3.2	3.1	2.1	2.3	2.5	2.0
<b>Prenatal visits</b>											
1-4	9.8	9.3	9.0	9.6	9.7	8.8	9.3	8.6	8.8	9.0	9.1
≥5	85.6	85.7	87.0	87.3	86.5	87.7	87.4	88.9	88.5	87.8	88.4
≥9	61.2	60.9	62.5	63.3	60.5	61.2	59.9	61.5	64.0	62.8	64.0
≥13	19.0	20.4	20.6	19.5	18.3	19.4	18.7	17.9	18.8	19.7	20.7
<b>Medical risks/</b>											
<b>    Complications<sup>a</sup></b>											
Complications <sup>a</sup>	55.4	51.4	55.7	55.1	56.5	57.2	54.8	54.3	55.3	53.8	60.4
<b>    Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	9.6	9.8	10.9	10.6	11.7	10.4	9.8	9.6	10.6	9.0	9.7
<b>Birth weight</b>											
<2,500 grams	6.5	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0	6.9	6.7
<1,500 grams	0.9	0.9	0.9	1.1	1.1	1.0	1.1	0.9	1.2	1.3	1.1
<b>Child's sex</b>											
Male	50.4	49.5	51.2	50.9	50.0	50.2	50.1	50.4	50.4	50.7	50.5
Female	49.6	50.5	48.8	49.1	50.0	49.8	49.9	49.6	49.6	49.3	49.5
<b>Plurality</b>											
Multiple births	1.8	1.7	1.7	1.9	1.8	1.4	1.5	1.6	1.8	1.5	1.6
<b>Caesarean delivery</b>											
Caesarean delivery	18.4	19.2	19.4	20.6	22.4	22.9	23.1	23.2	22.9	23.1	23.8
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.6	99.5	99.6	99.5	99.6	99.7	99.7	99.7	99.6	99.6	99.7
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	33.0	31.5	32.3	31.6	28.8	29.3	28.0	27.6	28.6	27.9	27.8
<b>Previous live births</b>											
1 or more	67.9	66.8	67.2	67.5	68.1	66.5	66.9	66.6	67.3	66.5	67.6

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012  
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)**

<b>Characteristic</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Number of LBW births</b>	359	402	441	460	473	426	428	396	406	403	372
<b>Age of mother</b>											
≤19 years	16.2	15.2	18.6	19.6	19.2	22.8	16.8	18.2	15.3	18.9	18.0
≤30 years	33.4	31.6	28.3	29.8	28.5	28.4	26.6	28.8	29.6	26.8	33.1
<b>Marital status</b>											
Unmarried	70.5	72.9	74.6	73.3	76.5	75.8	80.1	79.3	75.4	81.1	80.9
<b>Mother's education</b>											
<9 years	4.2	6.0	4.5	3.9	4.2	2.1	4.4	2.5	3.0	2.0	3.2
<b>Prenatal care began</b>											
1st Trimester	61.6	65.2	67.1	67.0	63.0	67.4	66.8	65.2	69.7	70.0	69.1
3rd Trimester	4.7	5.7	3.2	4.8	7.0	5.4	6.8	5.8	4.2	4.0	4.3
No Care	9.2	7.5	5.9	8.5	9.5	8.5	7.5	4.3	6.7	6.7	5.9
<b>Prenatal visits</b>											
1-4	14.2	13.2	13.8	13.0	15.0	11.5	16.4	12.1	13.5	11.4	15.1
≥5	71.9	76.6	78.9	77.4	74.8	79.6	75.7	81.8	78.8	79.7	78.2
≥9	44.0	45.5	50.8	50.2	44.4	46.2	44.6	52.0	47.8	47.4	51.6
≥13	14.8	17.4	16.3	15.4	11.4	15.7	16.6	16.9	15.5	13.9	16.4
<b>Medical risks/ Complications<sup>a</sup></b>											
77.4	72.9	71.7	72.8	74.8	69.7	66.1	69.4	74.4	65.5	70.2	
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	70.5	69.7	68.5	70.2	74.2	71.8	71.7	69.7	74.9	69.0	79.0
<b>Birth weight</b>											
<1,500 grams	14.2	13.2	12.7	15.2	15.4	15.3	16.8	14.4	16.7	18.4	16.7
<1,000 grams	7.8	6.2	5.2	6.5	5.5	7.5	7.9	8.1	7.4	9.2	8.9
<b>Child's sex</b>											
Male	51.8	49.0	53.7	51.3	52.0	46.0	45.6	48.2	54.9	46.4	49.2
Female	48.2	51.0	46.3	48.7	48.0	54.0	54.4	51.8	45.1	53.6	50.8
<b>Plurality</b>											
Multiple births	11.7	15.2	13.2	11.7	13.5	11.3	13.3	13.1	15.5	11.7	15.6
<b>Caesarean delivery</b>											
39.3	38.3	36.5	36.5	39.3	40.1	39.3	39.3	39.4	44.6	34.5	47.3
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.2	99.3	99.8	98.9	99.8	99.8	99.8	99.5	99.8	99.5	99.7
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	14.8	15.9	16.1	13.3	11.8	14.3	10.7	11.1	11.1	10.7	8.9
<b>Previous live births</b>											
1 or more	62.7	64.4	62.4	66.5	68.1	59.9	66.4	64.1	67.2	64.3	69.6

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012**  
**(ASIAN OR PACIFIC ISLANDER MOTHERS)**

Characteristic	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Number of births</b>	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625
<b>Age of mother</b>											
≤19 years	4.2	4.2	3.5	3.4	2.9	3.0	3.3	2.6	3.1	3.2	2.2
≥30 years	49.5	51.6	52.8	52.7	53.7	53.9	55.9	55.6	55.9	57.4	57.3
<b>Marital status</b>											
Unmarried	15.5	16.3	15.8	17.0	16.2	17.6	17.4	15.8	17.4	17.3	17.3
<b>Mother's education</b>											
<9 years	1.5	2.2	2.4	1.8	2.4	1.6	2.3	2.2	3.3	3.1	3.1
<b>Prenatal care began</b>											
1st Trimester	84.3	84.2	84.7	86.3	86.1	86.5	86.4	88.1	88.1	86.5	87.1
3rd Trimester	2.0	2.6	3.1	1.9	2.1	2.1	3.1	1.9	2.3	2.3	2.0
No Care	1.1	1.6	1.5	1.0	1.2	1.5	1.3	1.3	1.2	1.0	0.7
<b>Prenatal visits</b>											
1-4	2.2	2.9	2.9	2.5	2.0	1.8	2.4	2.1	1.9	2.3	2.4
≥5	94.4	92.5	94.9	96.4	96.5	96.6	96.2	96.4	96.7	96.2	96.8
≥9	81.9	80.5	82.3	84.1	82.7	83.9	83.2	85.6	86.7	84.2	86.2
≥13	27.8	26.2	24.6	25.8	30.3	35.3	33.5	35.6	36.0	37.9	37.2
<b>Medical risks/ Complications<sup>a</sup></b>	44.7	44.8	47.1	45.0	43.5	45.4	46.4	48.1	51.5	47.4	52.9
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	11.0	10.8	11.0	10.2	10.4	9.6	10.0	10.0	9.9	9.0	8.4
<b>Birth weight</b>											
<2,500 grams	8.6	8.5	8.0	8.0	8.5	8.0	9.1	8.8	8.5	8.3	7.2
<1,500 grams	1.2	1.5	1.1	1.2	1.1	1.0	1.5	1.5	1.4	1.1	0.8
<b>Child's sex</b>											
Male	50.4	50.8	52.5	50.7	52.2	53.2	51.3	51.7	50.7	52.4	52.1
Female	49.6	49.2	47.5	49.3	47.8	46.8	48.7	48.3	49.3	47.6	47.9
<b>Plurality</b>											
Multiple births	3.9	3.2	2.4	2.0	2.7	2.3	3.6	2.9	2.5	3.3	2.5
<b>Caesarean delivery</b>	16.2	25.6	26.5	28.1	30.5	30.0	32.0	32.6	32.8	33.0	32.1
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.1	99.2	99.3	99.5	99.4	99.5	99.4	99.4	99.6	99.3	99.2
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	2.8	2.9	2.8	2.3	2.1	1.7	2.7	3.0	2.8	3.1	4.0
<b>Previous live births</b>											
1 or more	52.4	53.0	53.8	54.4	53.3	54.5	52.9	54.8	55.5	54.6	55.5

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> 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, 2002-2012  
(ASIAN OR PACIFIC ISLANDER MOTHERS)**

<b>Characteristic</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Number of LBW births</b>	197	215	210	223	268	272	311	299	280	292	262
<b>Age of mother</b>											
≤19 years	6.6	1.4	6.2	3.6	1.1	2.2	3.5	3.3	5.4	5.1	5.0
≤30 years	52.3	60.5	51.9	50.2	53.7	55.5	59.5	54.8	52.1	58.6	64.9
<b>Marital status</b>											
Unmarried	21.8	14.4	20.0	22.4	18.7	16.9	21.5	20.4	18.9	18.2	18.3
<b>Mother's education</b>											
<9 years	1.5	2.3	1.9	1.3	3.0	1.1	2.6	1.7	3.2	4.1	3.8
<b>Prenatal care began</b>											
1st Trimester	86.8	83.7	87.6	83.9	87.7	83.8	82.6	87.0	84.3	83.9	87.8
3rd Trimester	1.0	1.9	2.4	3.6	1.5	1.5	3.5	3.0	2.9	2.1	0.4
No Care	4.6	3.3	1.9	2.7	3.0	3.7	4.2	2.0	1.4	2.7	0.8
<b>Prenatal visits</b>											
1-4	3.0	5.6	6.7	7.2	3.7	4.0	7.7	7.4	6.8	4.8	2.3
≥5	86.3	87.0	90.0	89.7	92.9	92.3	88.1	90.0	91.4	92.5	96.9
≥9	65.3	66.5	67.1	67.3	68.7	67.6	69.8	72.6	70.7	72.9	78.6
≥13	29.4	31.2	19.0	22.4	22.8	29.4	34.1	34.4	27.1	30.8	32.8
<b>Medical risks/ Complications<sup>a</sup></b>	63.5	55.8	59.5	67.7	67.9	66.5	61.1	70.2	74.3	68.8	72.5
<b>Gestational age<sup>b</sup></b>											
Preterm (<37 weeks)	82.7	69.3	60.0	65.9	67.2	68.0	60.5	66.2	65.4	64.7	63.0
<b>Birth weight</b>											
<1,500 grams	13.7	18.1	13.8	15.7	13.4	12.9	16.1	17.4	16.4	12.7	11.5
<1,000 grams	6.6	7.4	9.0	5.8	5.2	4.8	9.3	8.7	7.9	6.2	5.3
<b>Child's sex</b>											
Male	49.2	46.0	45.7	47.1	49.3	47.4	51.8	50.2	45.0	46.9	52.7
Female	50.8	54.0	54.3	52.9	50.7	52.6	48.2	49.8	55.0	53.1	47.3
<b>Plurality</b>											
Multiple births	30.5	28.4	21.4	19.7	19.0	21.7	26.7	22.4	18.9	25.7	20.2
<b>Caesarean delivery</b>	40.1	47.9	38.1	46.6	44.4	40.4	49.8	51.5	45.4	51.4	44.3
<b>Place of delivery</b>											
Hospital <sup>c</sup>	99.5	100.0	100.0	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0
<b>Attendant at birth</b>											
Midwife <sup>d</sup>	0.5	0.5	1.4	0.4	1.9	1.1	2.6	1.7	1.1	0.3	2.7
<b>Previous live births</b>											
1 or more	44.2	47.9	51.4	55.6	50.0	47.1	51.8	48.8	49.6	55.5	53.1

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

<sup>b</sup> Physician's estimate.

<sup>c</sup> Hospital, clinic, medical center or maternity home.

<sup>d</sup> Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-16  
SINGLE AND PLURAL LIVE BIRTHS BY BIRTHWEIGHT, ARIZONA RESIDENTS, 2002-2012**

Weight in grams	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Under 1000, total</b>	520	510	531	579	559	589	538	523	439	496	480
<b>Single</b>	396	393	434	452	413	450	419	431	346	379	383
<b>Plural</b>	124	117	97	127	146	139	119	92	93	117	97
<b>1,000-1,499, total</b>	462	514	569	540	670	634	618	577	505	505	506
<b>Single</b>	334	369	426	404	469	452	431	420	386	374	387
<b>Plural</b>	128	144	143	136	201	182	187	157	119	131	119
<b>1,500-1,999, total</b>	1,151	1,295	1,309	1,254	1,425	1,362	1,360	1,211	1,194	1,131	1,197
<b>Single</b>	808	913	882	909	979	935	944	835	823	794	814
<b>Plural</b>	343	382	427	345	446	427	416	376	371	337	383
<b>2,000-2,499, total</b>	3,793	4,108	4,295	4,267	4,612	4,700	4,510	4,262	4,017	3,817	3,763
<b>Single</b>	3,014	3,243	3,370	3,397	3,771	3,762	3,598	3,432	3,178	3,043	2,994
<b>Plural</b>	779	863	925	870	841	938	912	830	839	774	769
<b>2,500-3,999, total</b>	74,047	76,777	79,390	81,676	86,943	87,739	84,904	79,423	74,680	72,777	73,096
<b>Single</b>	73,035	75,685	78,324	80,530	85,755	86,631	83,674	78,297	73,596	71,741	72,085
<b>Plural</b>	1,012	1,063	1,066	1,146	1,188	1,108	1,230	1,126	1,084	1,036	1,011
<b>4,000 and over, total</b>	7,360†	7,440†	7,270†	7,460†	7,820†	7,640†	7,270†	6,601	6,200†	6,450†	6,680†
<b>Single</b>	7,363	7,434	7,266	7,462	7,817	7,634	7,267	6,601	6,194	6,450	6,674
<b>Plural</b>	*	*	*	*	*	*	*	0	*	*	*
<b>All weights, total<sup>a</sup></b>	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,724
<b>Single</b>	84,984	88,167	90,732	93,173	99,216	99,889	96,347	90,034	84,535	82,793	83,342
<b>Plural</b>	2,400†	2,580†	2,660†	2,630†	2,830†	2,800†	2,870†	2,582	2,510†	2,400†	2,380†

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; <sup>a</sup> Includes records with unknown weight and/or plurality.

**TABLE 1B-17  
RESIDENT BIRTHS BY MONTH OF OCCURRENCE, ARIZONA, 2002-2012**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>2002</b>	7,194	6,499	7,123	6,739	7,076	6,960	7,506	7,908	7,962	7,778	7,088	7,546	87,379
<b>Percent</b>	8.2	7.4	8.2	7.7	8.1	8.0	8.6	9.1	9.1	8.9	8.1	8.6	100.0
<b>2003</b>	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
<b>Percent</b>	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
<b>2004</b>	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
<b>Percent</b>	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
<b>2005</b>	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
<b>Percent</b>	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
<b>2006</b>	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
<b>Percent</b>	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
<b>2007</b>	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
<b>Percent</b>	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
<b>2008</b>	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
<b>Percent</b>	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
<b>2009</b>	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
<b>Percent</b>	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
<b>2010</b>	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 <sup>a</sup>
<b>Percent</b>	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
<b>2011</b>	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
<b>Percent</b>	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
<b>2012</b>	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
<b>Percent</b>	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

Note: <sup>a</sup> Includes 7 records where month of birth is missing.

**TABLE 1B-18  
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2012**

TOTAL	Month of birth											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>TOTAL</b>	85,725	7,006	6,732	7,100	6,603	6,777	7,368	7,772	7,689	7,629	7,101	7,223
<b>1</b>	2,747	171	268	242	161	245	164	250	224	275	253	236
<b>2</b>	2,720	164	270	221	231	241	240	258	195	268	252	180
<b>3</b>	2,753	248	238	193	253	221	273	257	201	283	196	232
<b>4</b>	2,755	263	204	154	254	237	224	205	279	272	161	261
<b>5</b>	2,892	223	174	274	260	180	235	194	286	290	263	261
<b>6</b>	3,005	260	234	265	264	172	283	261	276	200	299	241
<b>7</b>	2,839	186	263	244	184	228	218	304	291	190	269	233
<b>8</b>	2,653	180	227	270	158	233	173	248	209	267	276	192
<b>9</b>	2,865	246	269	266	249	235	241	211	245	260	271	180
<b>10</b>	2,873	240	292	180	257	235	276	270	272	245	199	227
<b>11</b>	2,824	268	192	165	233	268	260	206	255	301	200	269
<b>12</b>	2,874	271	193	243	249	184	237	180	267	216	261	320
<b>13</b>	2,849	251	263	248	235	141	246	247	285	172	268	254
<b>14</b>	2,723	186	255	264	176	221	195	287	293	164	231	228
<b>15</b>	2,650	163	236	241	158	235	177	278	263	252	251	188
<b>16</b>	2,822	246	268	242	236	215	243	292	209	256	250	184
<b>17</b>	2,914	259	275	226	220	243	261	263	269	247	210	237
<b>18</b>	2,845	247	187	190	246	220	259	200	311	262	184	292
<b>19</b>	2,870	252	157	224	224	154	265	215	295	258	295	282
<b>20</b>	2,905	260	230	270	231	175	265	225	283	206	267	252
<b>21</b>	2,824	195	227	246	176	233	222	265	270	183	280	266
<b>22</b>	2,689	167	267	247	180	242	171	279	237	262	169	238
<b>23</b>	2,796	234	230	247	214	248	285	280	189	300	183	187
<b>24</b>	2,795	232	264	188	233	254	266	283	264	272	185	187
<b>25</b>	2,679	249	164	176	220	255	282	215	307	281	172	133
<b>26</b>	2,801	243	173	217	249	189	257	183	277	266	239	245
<b>27</b>	3,022	252	234	243	245	159	269	279	303	210	275	289
<b>28</b>	2,795	204	249	258	189	166	205	254	265	192	275	285
<b>29</b>	2,644	172	229	235	156	264	184	277	190	254	228	210
<b>30</b>	2,581	242	229	231	262	226	245	299	179	274	239	198
<b>31</b>	1,721	232	190	190	258	247	307	251	236	236	236	236

**TABLE 1B-19  
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2012**

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	*	8	*	*	0	*	0	0	0	0	0	20†
15-17	15	434	204	43	*	*	*	0	0	0	0	700†
18-19	8	649	1,188	552	39	8	*	0	0	0	0	2,450†
20-24	0	360	2,275	8,819	1,489	286	67	17	0	0	0	13,313
25-29	*	39	423	6,034	10,582	2,235	424	50	*	*	*	19,790†
30-34	0	13	98	1,700	7,211	9,106	1,531	170	*	0	0	19,830†
35-39	0	0	32	474	1,906	4,996	3,768	437	10	*	*	11,624
40-44	0	*	12	157	580	1,387	1,845	778	35	*	*	4,800†
45-49	0	0	*	58	177	413	611	349	30	0	0	1,640†
50-54	0	0	*	22	66	120	168	101	28	0	0	510†
55+	0	0	0	*	28	48	67	33	8	0	0	190†
Unknown	41	926	1,381	3,732	2,443	1,390	727	216	16	0	0	10,872
<b>TOTAL</b>	70†	2,430†	5,620†	21,600†	24,530†	19,990†	9,210†	2,151	130†	0†	0†	85,725

**TABLE 1B-20  
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2012**

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	29,109	3,934	476	396	909	34,824
Hispanic or Latino	4,282	22,410	301	642	269	27,904
Black or African American	1,166	928	2,653	147	129	5,023
American Indian or Alaska Native	358	360	34	3,201	35	3,988
Asian or Pacific Islander	570	238	32	53	2,154	3,047
Unspecified other/unknown race	3,185	5,276	1,219	1,130	129	10,939
<b>TOTAL</b>	38,670	33,146	4,715	5,569	3,625	85,725

**TABLE 1B-21  
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2012**

Father's education	Mother's education						TOTAL
	<8	8	9-11	12	13-16	17+	
<8	899	147	538	447	193	40	2,271
8	113	214	299	349	130	18	1,130
9-11	412	274	4,039	3,278	1,352	81	9,446
12	293	316	3,357	13,288	7,475	828	25,590
13-16	150	52	854	4,632	17,662	3,443	26,816
17+	21	11	75	540	3,836	4,135	8,636
Unknown	378	430	3,430	4,375	2,467	245	11,841
<b>TOTAL</b>	2,266	1,444	12,592	26,909	33,115	8,790	85,725

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; 610 cases were missing mother's education, 11,481 cases were missing father's education.



**TABLE 1B-22  
RESIDENT BIRTHS BY MOTHER'S RACE AND HISPANIC OR LATINO ORIGIN BY YEAR, ARIZONA, 2002-2012**

Mother's race/ethnicity	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total resident births, all groups	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725
White non-Hispanic or Latino	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670
Hispanic or Latino, total	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146
Mexican	34,886	37,322	38,823	39,946	42,870	43,587	40,004	36,680	32,374	30,954	31,360
Puerto Rican	251	273	297	321	254	388	327	351	316	400	342
Cuban	68	63	53	66	65	93	80	81	87	104	96
Other Central or South American	725	784	875	1,013	1,212	1,204	1,124	981	971	940	1,003
Other Hispanic	159	659	774	810	461	459	1,104	269	585	0	345
Black or African American	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715
American Indian or Alaska Native	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569
Asian and Pacific Islander, total	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625
Chinese	155	156	165	170	198	188	192	160	165	159	214
Japanese	67	71	50	68	75	65	52	51	48	52	39
Hawaiian	46	63	61	59	53	67	68	57	56	71	64
Filipino	288	327	318	348	354	429	372	368	383	351	345
Other Asian and Pacific Islander	1,725	1,907	2,020	2,160	2,456	2,663	2,741	2,760	2,641	2,872	2,963
Unknown (incl. unspecified other)	1,892	1,413	1,353	1,437	803	755	563	529	507	797	NA

**TABLE 1B-23  
TOTAL BIRTHS AND RATIOS OF BIRTH BY MOTHER'S MARITAL STATUS,  
AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2012**

			TOTAL	Mother's age group									Un-known
				<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	
All race/ ethnic groups	Married	Count	46,080†	*	97	744	7,366	14,978	14,601	6,699	1,499	93	*
		Percent	53.8%	**	4.0%	13.2%	34.1%	61.1%	73.0%	72.7%	69.7%	71.5%	**
	Unmarried	Count	38,770	66	2,333	4,869	14,025	9,271	5,183	2,387	602	34	0
		Percent	45.2%	98.5%	96.0%	86.6%	64.9%	37.8%	25.9%	25.9%	28.0%	26.2%	0.0%
	Other <sup>a</sup>	Count	870†	0	0	7	207	276	207	124	50	*	0
		Percent	1.0%	0.0%	0.0%	0.1%	1.0%	1.1%	1.0%	1.3%	2.3%	**	0.0%
	TOTAL	Count	85,730†	67	2,430	5,620	21,598	24,525	19,991	9,210	2,151	130	*
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**
White non- Hispanic	Married	Count	26,540†	*	31	261	3,630	8,919	8,880	3,876	882	60	*
		Percent	68.6%	**	6.5%	17.5%	45.0%	74.0%	83.0%	82.6%	80.0%	75.9%	**
	Unmarried	Count	11,762	7	444	1,229	4,331	3,021	1,732	773	208	17	0
		Percent	30.4%	87.5%	93.5%	82.3%	53.7%	25.1%	16.2%	16.5%	18.9%	21.5%	0.0%
	Other	Count	370†	0	0	*	100	118	83	45	13	*	0
		Percent	0.9%	0.0%	0.0%	**	1.2%	1.0%	0.8%	1.0%	1.2%	**	0.0%
	TOTAL	Count	38,670†	8	475	1,494	8,061	12,058	10,695	4,694	1,103	79	*
		Percent	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	13,817	0	61	428	3,013	4,319	3,747	1,845	382	22	0
		Percent	41.7%	0.0%	4.0%	14.0%	30.8%	49.5%	60.0%	60.8%	55.3%	78.6%	0.0%
	Unmarried	Count	18,954	46	1,467	2,622	6,697	4,299	2,412	1,127	278	6	0
		Percent	57.2%	100.0%	96.0%	85.9%	68.4%	49.3%	38.6%	37.1%	40.2%	21.4%	0.0%
	Other	Count	380†	0	0	*	81	109	89	62	31	0	0
		Percent	1.1%	0.0%	0.0%	**	0.8%	1.2%	1.4%	2.0%	4.5%	0.0%	0.0%
	TOTAL	Count	33,146	46	1,528	3,053	9,791	8,727	6,248	3,034	691	28	0
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
Black or African American	Married	Count	1,610†	0	*	25	248	513	511	246	62	*	0
		Percent	34.1%	0.0%	**	6.6%	16.9%	40.3%	57.1%	59.1%	57.9%	**	0.0%
	Unmarried	Count	3,060†	*	158	355	1,212	743	371	165	43	*	0
		Percent	64.8%	**	99.4%	93.4%	82.4%	58.3%	41.5%	39.7%	40.2%	**	0.0%
	Other	Count	50†	0	0	0	11	18	13	*	*	*	0
		Percent	1.1%	0.0%	0.0%	0.0%	0.7%	1.4%	1.5%	**	**	**	0.0%
	TOTAL	Count	4,720†	*	159	380	1,471	1,274	895	416	107	8	0
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
American Indian or Alaska Native	Married	Count	1,130†	0	*	17	229	365	306	172	39	*	0
		Percent	20.3%	0.0%	**	2.7%	12.4%	25.5%	35.1%	39.7%	41.9%	**	0.0%
	Unmarried	Count	4,370†	7	249	615	1,601	1,041	549	252	51	*	0
		Percent	78.5%	100.0%	99.2%	97.3%	86.9%	72.7%	62.9%	58.2%	54.8%	**	0.0%
	Other	Count	70†	0	0	0	12	25	18	9	*	0	0
		Percent	1.2%	0.0%	0.0%	0.0%	0.7%	1.7%	2.1%	2.1%	**	0.0%	0.0%
	TOTAL	Count	5,569	7	251	632	1,842	1,431	873	433	93	7	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	2,980†	0	*	13	246	862	1,157	560	134	7	0
		Percent	82.2%	0.0%	**	21.3%	56.8%	83.3%	90.4%	88.5%	85.4%	87.5%	0.0%
	Unmarried	Count	630†	*	15	48	184	167	119	70	22	*	0
		Percent	17.3%	**	88.2%	78.7%	42.5%	16.1%	9.3%	11.1%	14.0%	**	0.0%
	Other	Count	20†	0	0	0	*	6	*	*	*	0	0
		Percent	0.5%	0.0%	0.0%	0.0%	**	0.6%	**	**	**	0.0%	0.0%
	TOTAL	Count	3,630†	*	17	61	433	1,035	1,280	633	157	8	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; <sup>a</sup> 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, 2012**

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un- known
<b>All race/ ethnic groups</b>	<b>TOTAL</b>	85,725	70†	2,430†	5,620†	21,598	24,525	19,991	9,210	2,150†	130	0†
	<b>None</b>	31,859	66	2,233	4,289	10,308	7,894	4,854	1,780	410	24	*
	<b>1</b>	25,148	*	176	1,149	7,142	7,810	5,955	2,413	476	26	*
	<b>2</b>	15,240†	*	18	163	2,912	5,180	4,446	2,060	431	24	*
	<b>3</b>	7,570†	*	0	14	946	2,323	2,573	1,358	337	21	*
	<b>4 or more</b>	5,804	*	0	0	270	1,293	2,129	1,584	493	35	*
	<b>Unknown</b>	110†	*	0	*	20	25	34	15	*	*	0
<b>White non- Hispanic</b>	<b>TOTAL</b>	38,670	8	480†	1,490†	8,061	12,058	10,695	4,690†	1,100†	79	0†
	<b>None</b>	15,584	8	454	1,249	4,472	4,733	3,177	1,184	290	16	*
	<b>1</b>	11,967	*	17	213	2,513	3,968	3,499	1,439	298	19	*
	<b>2</b>	6,300†	*	0	31	822	2,174	2,085	966	207	15	*
	<b>3</b>	2,812	*	0	0	206	824	1,097	542	133	10	*
	<b>4 or more</b>	1,953	*	0	0	40	344	818	559	173	19	*
	<b>Unknown</b>	50†	*	0	*	8	15	19	*	*	*	0
<b>Hispanic or Latino</b>	<b>TOTAL</b>	33,146	50†	1,530†	3,050†	9,791	8,730†	6,248	3,034	690†	30†	0
	<b>None</b>	11,170†	45	1,398	2,231	4,129	2,047	911	336	67	*	*
	<b>1</b>	9,310†	*	114	717	3,448	2,769	1,580	584	93	*	*
	<b>2</b>	6,570†	*	14	93	1,530	2,205	1,782	784	159	*	*
	<b>3</b>	3,510†	*	0	10	520	1,098	1,102	618	149	7	*
	<b>4 or more</b>	2,557	*	0	0	155	603	863	705	221	10	*
	<b>Unknown</b>	40†	*	0	*	9	*	10	7	*	*	0
<b>Black or African American</b>	<b>TOTAL</b>	4,715	10†	159	380†	1,470†	1,270†	895	420†	107	10†	0
	<b>None</b>	1,700†	*	137	288	718	313	180	51	7	*	*
	<b>1</b>	1,240†	*	22	73	434	375	208	106	23	*	*
	<b>2</b>	840†	*	0	15	207	311	201	83	19	*	*
	<b>3</b>	470†	*	0	0	88	148	140	69	21	*	*
	<b>4 or more</b>	460†	*	0	0	23	126	166	105	37	*	*
	<b>Unknown</b>	10†	*	0	0	*	*	*	0	*	0	0
<b>American Indian or Alaska Native</b>	<b>TOTAL</b>	5,569	7	250†	630†	1,840†	1,430†	870†	430†	93	10†	0
	<b>None</b>	1,800†	7	228	468	714	241	86	45	8	*	*
	<b>1</b>	1,400†	*	22	138	633	387	156	47	12	*	*
	<b>2</b>	1,020†	*	0	24	320	378	212	74	10	*	0
	<b>3</b>	620†	*	0	0	122	220	176	82	16	*	*
	<b>4 or more</b>	730†	*	0	0	52	202	240	183	47	*	*
	<b>Unknown</b>	10†	*	0	0	0	*	*	*	*	0	0
<b>Asian or Pacific Islander</b>	<b>TOTAL</b>	3,625	0†	20†	61	430†	1,040†	1,280†	633	157	10†	0
	<b>None</b>	1,610†	*	16	53	275	560	500	164	38	*	*
	<b>1</b>	1,230†	*	0	8	114	311	512	237	50	*	*
	<b>2</b>	500†	*	0	0	33	112	166	153	36	*	*
	<b>3</b>	170†	*	0	0	10	33	58	47	18	*	*
	<b>4 or more</b>	110†	*	0	0	0	18	42	32	15	*	*
	<b>Unknown</b>	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 2002 TO 2012 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH  
BY AREA AND RACE/ETHNICITY**

Characteristics <sup>a</sup>	Urban <sup>b</sup>		Rural		White non-Hispanic		Hispanic or Latino		Black or African American		American Indian or Alaska Native		Asian or Pacific Islander	
	2002	2012	2002	2012	2002	2012	2002	2012	2002	2012	2002	2012	2002	2012
		% Change		% Change		% Change		% Change		% Change		% Change		% Change
<b>Number of births</b>	74,851	-1.0	12,498	-7.2	38,819	-0.4	36,089	-8.2	2,753	71.3	5,545	0.4	2,281	58.9
<b>Per 100 births:</b>														
<b>Teenage mother<sup>c</sup></b>	12.7	-28.9	15.7	-22.0	7.9	-35.3	18.2	-23.3	17.0	11.5	18.7	-14.5	4.2	-48.1
<b>Unwed mother</b>	39.5	11.7	44.5	17.7	25.0	21.7	52.2	9.5	61.8	64.8	69.7	12.6	15.5	11.6
<b>Early prenatal care<sup>d</sup></b>	76.5	9.0	70.8	9.8	86.5	2.2	65.6	19.2	75.2	79.9	64.4	5.9	84.3	3.3
<b>0-4 prenatal visits</b>	6.2	-80.6	8.9	-83.1	2.9	-78.6	9.9	-80.7	6.0	1.1	12.4	-83.6	3.3	-79.9
<b>Births with risk factors reported</b>	26.6	41.5	39.8	-3.6	31.2	15.3	23.4	59.2	32.2	42.8	38.4	27.7	26.2	39.9
<b>Births with complications reported</b>	28.4	11.9	33.7	-7.7	30.0	4.1	27.2	16.1	29.1	33.3	34.6	-4.0	30.1	9.6
<b>Primary and repeat C-Section</b>	21.8	28.1	20.6	24.9	23.8	20.4	19.5	33.1	25.2	31.9	18.4	29.1	24.6	30.6
<b>Births with abnormal conditions reported</b>	7.9	23.7	14.5	-40.5	9.7	-0.9	7.7	21.5	9.8	11.5	9.7	-5.8	8.3	25.0
<b>LBW rate</b>	6.8	1.1	6.8	7.8	6.7	-3.3	6.4	6.8	11.9	11.7	6.5	2.8	8.6	-16.0
<b>Newborn intensive care</b>	5.9	-14.2	4.1	-14.4	6.3	-25.0	5.0	-2.1	7.2	6.9	4.8	-11.7	5.7	-27.9
<b>Births with congenital anomalies reported</b>	1.0	-29.2	3.0	-55.7	1.4	-45.5	1.1	-26.2	1.2	0.7	2.2	-41.7	0.9	-8.0
<b>Preterm births (&lt; 37 weeks)</b>	10.1	-8.7	9.4	-2.8	10.5	-17.0	9.4	0.1	14.0	11.9	9.6	0.6	11.0	-23.5
<b>Births paid for by the AHCCCS<sup>e</sup></b>	48.0	9.2	54.1	6.3	28.4	23.4	71.0	73.1	55.1	68.3	56.1	10.8	20.7	41.4

Notes: <sup>a</sup> Per 100 live births; <sup>b</sup> Urban = Maricopa, Pima, Pinal and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; <sup>c</sup> Less than 20 years old; <sup>d</sup> Entered care in first trimester of pregnancy; <sup>e</sup> 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, 2012**

	TOTAL	Urban <sup>a</sup>	Rural	Mother's race/ethnicity				
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>TOTAL</b>	85,725	74,130†	11,597	38,670†	33,146	4,720†	5,569	3,630†
<b>Mother's age group</b>								
<15	70†	56	11	8	46	*	7	*
15-17	2,430	2,023	407	475	1,528	159	251	17
18-19	5,620	4,618	1,002	1,494	3,053	380	632	61
20-24	21,598	18,061	3,537	8,061	9,791	1,471	1,842	433
25-29	24,525	21,283	3,242	12,058	8,727	1,274	1,431	1,035
30-34	19,991	17,836	2,155	10,695	6,248	895	873	1,280
35-39	9,210	8,228	982	4,694	3,034	416	433	633
40-44	2,151	1,906	245	1,103	691	107	93	157
45+	130	114	16	79	28	8	7	8
Unknown	0†	*	0	*	0	0	0	0
<b>Payee for birth</b>								
AHCCCS	45,511	38,842	6,669	13,553	24,215	3,219	3,463	1,061
IHS	1,490†	442	1,045	64	63	*	1,349	6
Private insurance	35,599	32,092	3,507	23,333	7,761	1,389	694	2,422
Self	2,953	2,612	341	1,638	1,059	85	44	127
Unknown	175	140	35	82	48	17	19	9
<b>Mother's education</b>								
<8	2,266	2,151	115	181	1,818	143	40	84
8	1,444	1,306	138	194	1,061	60	102	27
9-11	12,592	10,655	1,937	2,540	7,904	628	1,346	174
12	26,909	22,404	4,505	9,883	12,288	1,749	2,296	693
13-16	33,115	28,964	4,151	19,381	8,629	1,796	1,642	1,667
17+	8,790	8,097	693	6,045	1,355	310	126	954
Unknown	609	551	58	446	91	29	17	26
<b>Marital status</b>								
Married	46,081	40,712	5,369	26,543	13,817	1,608	1,132	2,981
Unmarried	38,770	32,694	6,076	11,762	18,954	3,057	4,370	627
Other/Unknown <sup>b</sup>	874	722	152	365	375	50	67	17
<b>Weight gain</b>								
None	1,317	1,153	164	448	579	104	149	37
1-15 pounds	10,661	8,820	1,841	3,505	5,028	694	1,084	350
16-20 pounds	10,678	9,282	1,396	3,668	5,137	639	765	469
21-24 pounds	6,625	5,701	924	2,823	2,770	286	433	313
25-30 pounds	19,802	17,184	2,618	8,903	7,751	1,021	1,191	936
31+ pounds	36,054	31,548	4,506	19,123	11,664	1,936	1,827	1,504
Unknown	588	440	148	200	217	35	120	16
<b>Substance use</b>								
Drinker, nonsmoker	252	207	45	125	58	6	54	9
Smoker, nondrinker	3,454	2,665	789	2,529	501	291	96	37
Smoker and drinker	150†	103	42	77	26	10	31	*
Nonsmoker and nondrinker	81,874	71,153	10,721	35,939	32,561	4,408	5,388	3,578

**TABLE 1B-26 (continued)**  
**SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,**  
**ARIZONA, 2012**

	TOTAL	Urban <sup>a</sup>	Rural	Mother's race/ethnicity						
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander		
<b>Length of gestation</b>										
<37 weeks	7,892	6,832	1,060	3,371	3,118	560	538	305		
37-41 weeks	77,524	67,040	10,484	35,139	29,954	4,131	4,992	3,308		
42+ weeks	269	227	42	137	69	21	31	11		
Unknown	40†	29	11	23	*	*	8	*		
<b>Weight at birth</b>										
<1,000 grams	480	427	53	191	185	57	33	14		
1,000-1,499	506	436	70	213	195	53	29	16		
1,500-2,499	4,960	4,233	727	2,101	1,876	441	310	232		
2,500-3,999	73,096	63,096	10,000	32,767	28,549	3,935	4,659	3,186		
4000+ grams	6,677	5,932	745	3,396	2,339	229	536	177		
Unknown	10†	*	*	*	*	0	*	0		
<b>Prenatal care</b>										
No care	1,065	891	174	240	634	54	113	24		
1st trimester	70,817	61,802	9,015	34,184	25,909	3,769	3,798	3,157		
2nd trimester	10,889	9,016	1,873	3,451	5,106	719	1,244	369		
3rd trimester	2,758	2,264	494	706	1,429	160	392	71		
Unknown	200†	155	41	89	68	13	22	*		
<b>Prenatal visits</b>										
No visits	1,065	891	174	240	634	54	113	24		
1-4 visits	3,052	2,394	658	756	1,493	210	506	87		
5-8 visits	11,693	9,550	2,143	3,789	5,425	734	1,359	386		
9-12 visits	40,039	35,069	4,970	17,837	15,857	2,157	2,413	1,775		
13+ visits	29,642	26,045	3,597	15,941	9,656	1,544	1,152	1,349		
Unknown	230†	179	55	107	81	16	26	*		
<b>Newborn intensive care</b>										
Yes	4,158	3,751	407	1,828	1,622	323	236	149		
No	81,562	70,372	11,190	36,837	31,524	4,392	5,333	3,476		
Unknown	10†	*	0	*	0	0	0	0		
<b>Obstetric procedures</b>										
Amniocentesis	259	230	29	144	73	7	19	16		
Electro. fetal monit.	80,260	70,945	9,315	36,093	31,076	4,494	5,175	3,422		
Induction of labor	17,814	15,154	2,660	9,370	5,999	868	981	596		
Stimulation of labor	14,822	12,886	1,936	6,354	6,128	830	882	628		
Tocolysis	396	343	53	200	140	17	26	13		
Ultrasound	59,825	51,377	8,448	26,344	23,999	3,280	3,755	2,447		
Other	6,918	6,017	901	2,736	2,851	448	565	318		
<b>Method of delivery</b>										
Vaginal	60,990	52,506	8,484	27,148	24,183	3,127	4,130	2,402		
Vaginal after C-Section	1,017	896	121	415	349	86	111	56		
Primary C-Section	12,362	10,769	1,593	6,140	4,091	768	676	687		
Repeat C-Section	11,314	9,924	1,390	4,944	4,511	734	647	478		
Forceps	372	296	76	174	147	16	18	17		
Vacuum	2,422	1,986	436	1,145	934	116	67	160		

**TABLE 1B-26 (continued)**  
**SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,**  
**ARIZONA, 2012**

	TOTAL	Urban <sup>a</sup>	Rural	Mother's race/ethnicity				Asian or Pacific Islander
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	
<b>Births with medical risk factors</b>								
Total	32,341	27,893	4,450†	13,913	12,350	2,020†	2,730†	1,330†
Anemia	3,817	3,498	319	1,467	1,430	341	450	129
Cardiac disease	180†	172	8	100	57	11	10	*
Lung disease	878	841	37	455	208	90	99	26
Diabetes	4,390	3,871	519	1,419	1,927	203	553	288
Genital herpes	947	896	51	530	245	92	47	33
Hydramnios	1,180	1,062	118	495	482	70	82	51
Hemoglobinopathy	20†	20	*	10	8	*	0	*
Chronic hypertension	788	689	99	359	250	65	78	36
hypertension	3,871	3,359	512	1,826	1,319	229	360	137
Eclampsia	629	509	120	235	253	33	90	18
Previous infant 4000+g	260†	197	60	152	45	10	47	*
Previous SGA infant	751	650	101	406	220	55	46	24
Renal disease	80†	75	*	41	27	*	*	*
RH sensitization	220†	147	68	149	53	6	6	*
Uterine bleeding	252	233	19	121	70	22	21	18
Incompetent cervix	204	197	7	106	45	33	10	10
Other	23,467	19,982	3,485	9,915	9,252	1,491	1,879	930
<b>Abnormal conditions of the newborn</b>								
Total	8,243	7,240†	1,000†	3,720†	3,100†	540†	510†	380†
Anemia	30†	20	6	10	10	*	*	*
Birth injury	50†	42	*	25	14	*	*	*
Fetal alcohol syndrome	10†	*	*	*	*	0	*	0
Membrane disease	194	172	22	88	73	16	7	10
Meconium aspiration	80†	56	20	40	21	6	8	*
Assisted vent <30 min	674	483	191	378	208	33	37	18
Assisted vent >30 min	270†	225	46	131	109	13	14	*
Newborn seizures	20†	12	*	10	*	*	*	0
Other	7,527	6,727	800	3,298	2,896	519	463	351
<b>Births with congenital anomalies</b>								
Total	679	530†	150†	300†	270†	30†	50†	30†
Anencephalus	10†	12	0	*	6	0	*	*
Spina bifida/meningocele	10†	*	*	*	*	0	*	0
Hydrocephalus	10†	6	*	*	*	0	*	0
Microcephalus	0†	*	0	*	0	0	0	0
Other CNS anomaly	10†	8	*	*	*	*	*	0
Heart malformations	70†	63	6	31	27	7	*	*
Other respiratory/circulatory	110†	88	17	31	54	*	9	6
Rectal atresia/stenosis	0†	*	*	*	0	0	0	0
Fistula/esophageal atresia	0†	*	0	*	0	*	0	0

TABLE 1B-26 (continued)  
**SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,  
 ARIZONA, 2012**

	TOTAL	Urban <sup>a</sup>	Rural	Mother's race/ethnicity				Asian or Pacific Islander
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	
Omphalocele/gastroschisis	20†	16	*	7	10	*	*	*
Other gastrointestinal	20†	12	*	7	7	*	*	*
Malformed genitalia	10†	*	*	*	*	0	0	0
Renal agenesis	0†	*	*	*	*	0	*	*
Other urogenital anomalies	40†	36	6	17	22	*	*	*
Cleft lip/palate	60†	48	16	30	20	*	12	*
Polydactyly/Syndactyly/Adactyly	20†	12	8	10	6	*	*	0
Club foot	50†	35	15	24	18	*	*	*
Diaphragmatic hernia	0†	*	*	*	*	0	0	0
Other musculoskeletal	30†	15	11	12	12	*	0	*
Down syndrome	40†	35	9	20	19	0	*	*
Other chromosomal	30†	24	6	15	11	*	0	*
Other	249	184	65	109	97	12	19	12
<b>Total</b>	<b>27,159</b>	<b>23,552</b>	<b>3,610†</b>	<b>12,075</b>	<b>10,470†</b>	<b>1,570†</b>	<b>1,850†</b>	<b>1,200†</b>
<b>Births with complications of labor</b>	<b>1,459</b>	<b>1,382</b>	<b>77</b>	<b>567</b>	<b>616</b>	<b>62</b>	<b>108</b>	<b>106</b>
<b>Febrile</b>	<b>4,716</b>	<b>4,327</b>	<b>389</b>	<b>1,824</b>	<b>2,109</b>	<b>305</b>	<b>274</b>	<b>204</b>
<b>Meconium</b>	<b>1,510</b>	<b>1,275</b>	<b>235</b>	<b>642</b>	<b>578</b>	<b>68</b>	<b>151</b>	<b>71</b>
<b>Rupture of membrane</b>	<b>410</b>	<b>347</b>	<b>63</b>	<b>170</b>	<b>163</b>	<b>25</b>	<b>37</b>	<b>15</b>
<b>Abruption placenta</b>	<b>290</b>	<b>260</b>	<b>30</b>	<b>147</b>	<b>97</b>	<b>12</b>	<b>15</b>	<b>19</b>
<b>Placenta previa</b>	<b>312</b>	<b>222</b>	<b>90</b>	<b>126</b>	<b>95</b>	<b>11</b>	<b>70</b>	<b>10</b>
<b>Other bleeding</b>	<b>20†</b>	<b>14</b>	<b>*</b>	<b>8</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>
<b>Seizures</b>	<b>1,114</b>	<b>887</b>	<b>227</b>	<b>505</b>	<b>422</b>	<b>52</b>	<b>103</b>	<b>32</b>
<b>Precipitous labor</b>	<b>496</b>	<b>386</b>	<b>110</b>	<b>253</b>	<b>140</b>	<b>24</b>	<b>56</b>	<b>23</b>
<b>Prolonged labor</b>	<b>1,465</b>	<b>1,280</b>	<b>185</b>	<b>601</b>	<b>531</b>	<b>94</b>	<b>152</b>	<b>87</b>
<b>Dysfunctional labor</b>	<b>2,647</b>	<b>2,255</b>	<b>392</b>	<b>1,342</b>	<b>908</b>	<b>124</b>	<b>157</b>	<b>116</b>
<b>Breech malpresentation</b>	<b>296</b>	<b>237</b>	<b>59</b>	<b>147</b>	<b>87</b>	<b>17</b>	<b>20</b>	<b>25</b>
<b>Cephalopelvic disproportion</b>	<b>90†</b>	<b>75</b>	<b>14</b>	<b>45</b>	<b>22</b>	<b>12</b>	<b>7</b>	<b>*</b>
<b>Cord prolapse</b>	<b>30†</b>	<b>28</b>	<b>*</b>	<b>16</b>	<b>8</b>	<b>*</b>	<b>*</b>	<b>0</b>
<b>Anesthetic complications</b>	<b>6,169</b>	<b>5,845</b>	<b>324</b>	<b>3,027</b>	<b>2,036</b>	<b>460</b>	<b>280</b>	<b>366</b>
<b>Fetal distress</b>	<b>14,371</b>	<b>12,138</b>	<b>2,233</b>	<b>6,076</b>	<b>5,927</b>	<b>832</b>	<b>958</b>	<b>578</b>

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; <sup>b</sup> "Refused", <sup>c</sup> "yes, divorced", <sup>d</sup> "unknown".



**TABLE 1B-27  
CHANGES FROM 2002 TO 2012 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH  
WHICH DIFFER BY PAYEE FOR THE DELIVERY**

Characteristics <sup>a</sup>	AHCCCS <sup>b</sup>			Indian Health Service			Private Health Insurance			Self		
	2002	2012	% Change	2002	2012	% Change	2002	2012	% Change	2002	2012	% Change
<b>Number of births</b>	42,675	45,511	<b>6.6</b>	1,312	1,487	<b>13.3</b>	39,950	35,599	<b>-10.9</b>	1,989	2,953	<b>48.5</b>
<b>Per 100 births:</b>												
<b>Teenage mother<sup>c</sup></b>	20.9	14.9	<b>-28.9</b>	19.5	15.5	<b>-20.7</b>	4.7	2.5	<b>-46.6</b>	11.4	7.1	<b>-37.3</b>
<b>Unwed mother</b>	61.8	66.0	<b>6.8</b>	69.7	78.6	<b>12.8</b>	16.2	18.4	<b>13.7</b>	38.2	30.6	<b>-19.8</b>
<b>Early prenatal care<sup>d</sup></b>	63.9	76.7	<b>20.0</b>	57.8	62.7	<b>8.4</b>	90.0	92.0	<b>2.2</b>	60.5	73.1	<b>20.9</b>
<b>0-4 prenatal visits</b>	9.8	6.6	<b>-33.1</b>	17.5	14.5	<b>-17.0</b>	1.7	1.4	<b>-19.4</b>	22.3	13.5	<b>-39.4</b>
<b>Births with risk factors reported</b>	26.4	39.3	<b>48.7</b>	45.7	43.6	<b>-4.5</b>	30.1	36.5	<b>21.3</b>	27.1	26.2	<b>-3.2</b>
<b>Births with complications reported</b>	28.1	31.5	<b>12.0</b>	43.0	30.5	<b>-29.0</b>	29.7	32.6	<b>9.9</b>	26.5	24.5	<b>-7.6</b>
<b>Primary and repeat C-Section</b>	19.2	25.9	<b>34.9</b>	16.9	20.3	<b>20.2</b>	24.9	31.0	<b>24.3</b>	14.1	17.9	<b>27.3</b>
<b>Births with abnormal conditions reported</b>	8.3	10.6	<b>27.3</b>	10.4	6.4	<b>-38.6</b>	9.3	8.8	<b>-5.6</b>	10.0	6.9	<b>-31.3</b>
<b>LBW rate</b>	7.2	7.5	<b>4.6</b>	5.5	5.6	<b>1.5</b>	6.3	6.3	<b>0.7</b>	7.6	5.2	<b>-31.8</b>
<b>Newborn intensive care</b>	5.2	5.0	<b>-3.3</b>	2.7	2.6	<b>-2.9</b>	6.2	4.8	<b>-23.1</b>	7.0	3.9	<b>-43.9</b>
<b>Births with congenital anomalies reported</b>	1.3	0.9	<b>-34.1</b>	3.0	1.2	<b>-59.7</b>	1.2	0.7	<b>-41.7</b>	1.4	0.7	<b>-46.8</b>
<b>Preterm birth &lt; 37 weeks</b>	10.1	9.8	<b>-2.9</b>	8.4	8.7	<b>4.1</b>	10.0	8.6	<b>-14.2</b>	10.9	7.2	<b>-33.5</b>

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

**TABLE 1B-28  
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2012**

	TOTAL	Payee for birth				
		AHCCCS <sup>a</sup>	IHS	Private Insurance	Self	Unknown
<b>TOTAL</b>	85,725	45,510†	1,487	35,599	2,953	180†
<b>Mother's age group</b>						
<15	70†	57	*	8	*	0
15-17	2,430†	2,040	70	242	75	*
18-19	5,620	4,668	159	644	135	14
20-24	21,598	15,460	460	5,079	544	55
25-29	24,525	11,819	416	11,377	859	54
30-34	19,991	7,246	221	11,653	845	26
35-39	9,210	3,307	135	5,347	402	19
40-44	2,150†	857	23	1,181	87	*
45+	130†	55	*	68	*	0
Unknown	0†	*	0	0	0	*
<b>Mother's race/ethnicity</b>						
White non-Hispanic	38,670	13,553	64	23,333	1,638	82
Hispanic or Latino	33,146	24,215	63	7,761	1,059	48
Black or African American	4,720†	3,219	*	1,389	85	17
American Indian or Alaska Native	5,569	3,463	1,349	694	44	19
Asian or Pacific Islander	3,625	1,061	6	2,422	127	9
<b>Mother's education</b>						
<8	2,270†	2,017	12	177	55	*
8	1,440†	1,272	22	89	58	*
9-11	12,592	10,990	350	908	318	26
12	26,909	18,175	629	7,288	767	50
13-16	33,115	11,847	427	19,412	1,372	57
17+	8,790	903	42	7,475	358	12
Unknown	610†	307	*	250	25	22
<b>Marital status</b>						
Married	46,081	14,767	302	28,899	2,027	86
Unmarried	38,770	30,048	1,169	6,560	905	88
Other/Unknown <sup>b</sup>	870†	696	16	140	21	*
None	1,320†	827	45	401	39	*
<b>Weight gain</b>						
1-15 pounds	10,661	6,807	349	3,181	303	21
16-20 pounds	10,678	6,492	217	3,579	373	17
21-24 pounds	6,625	3,418	116	2,845	233	13
25-30 pounds	19,802	10,360	294	8,437	679	32
31+ pounds	36,054	17,276	426	17,045	1,240	67
Unknown	588	331	40	111	86	20
<b>Substance use</b>						
Drinker, nonsmoker	250†	118	11	114	7	*
Smoker, nondrinker	3,454	2,730	17	604	91	12
Smoker and drinker	150†	103	9	24	7	*
Nonsmoker and nondrinker	81,874	42,560	1,450	34,857	2,848	159

**TABLE 1B-28 (continued)**  
**PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2012**

	TOTAL	Payee for birth				
		AHCCCS <sup>a</sup>	IHS	Private Insurance	Self	Unknown
<b>Length of gestation</b>						
<37 weeks	7,892	4,463	130	3,056	214	29
37-41 weeks	77,524	40,917	1,339	32,424	2,708	136
42+ weeks	269	113	17	114	25	0
Unknown	40†	18	*	*	6	10
<b>Weight at birth</b>						
<1,000 grams	480†	276	10	183	7	*
1,000-1,499	510†	296	*	192	12	*
1,500-2,499	4,960	2,854	68	1,884	134	20
2,500-3,999	73,096	39,026	1,241	30,190	2,504	135
4000+ grams	6,677	3,057	162	3,149	296	13
Unknown	10†	*	*	*	0	*
<b>Prenatal care</b>						
No care	1,065	708	35	67	238	17
1st trimester	70,817	34,885	932	32,738	2,160	102
2nd trimester	10,889	7,773	363	2,342	392	19
3rd trimester	2,758	2,037	147	420	145	9
Unknown	196	108	10	32	18	28
<b>Prenatal visits</b>						
No visits	1,065	708	35	67	238	17
1-4 visits	3,052	2,277	181	421	161	12
5-8 visits	11,693	7,943	400	2,913	407	30
9-12 visits	40,039	21,145	587	17,100	1,142	65
13+ visits	29,642	13,304	273	15,057	985	23
Unknown	234	134	11	41	20	28
<b>Newborn intensive care</b>						
Yes	4,158	2,289	39	1,697	116	17
No	81,562	43,221	1,448	33,902	2,837	154
Unknown	10†	*	0	0	0	*
<b>Obstetric procedures</b>						
Amniocentesis	260†	117	*	130	8	0
Electro. fetal monit.	80,260	43,008	1,387	33,610	2,160	95
Induction of labor	17,814	8,832	255	8,271	433	23
Stimulation of labor	14,822	8,162	225	6,027	387	21
Tocolysis	400†	194	12	171	18	*
Ultrasound	59,825	32,446	834	24,714	1,757	74
Other	6,918	3,681	102	3,017	108	10
<b>Method of delivery</b>						
Vaginal	60,990	33,188	1,140	24,142	2,380	140
Vaginal after C-Section	1,020†	517	40	418	41	*
Primary C-Section	12,362	5,741	159	6,158	284	20
Repeat C-Section	11,314	6,049	143	4,864	246	12
Forceps	372	181	7	169	15	0
Vacuum	2,420†	1,306	15	1,031	66	*

**TABLE 1B-28 (continued)**  
**PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2012**

	TOTAL	Payee for birth				
		AHCCCS <sup>a</sup>	IHS	Private Insurance	Self	Unknown
<b>Births with medical risk factors</b>						
Total	32,341	17,869	650†	13,002	780†	50†
Anemia	3,817	2,280	102	1,346	79	10
Cardiac disease	180†	91	0	88	*	0
Lung disease	880†	402	12	462	*	0
Diabetes	4,390	2,395	161	1,755	73	6
Genital herpes	950†	470	6	453	17	*
Hydramnios/oligohydramnios	1,180†	621	15	500	43	*
Hemoglobinopathy	21	10	0	11	0	0
Chronic hypertension	790†	381	32	366	8	*
Pregnancy associated hypertension	3,870†	1,924	89	1,773	80	*
Eclampsia	629	400	19	204	6	0
Previous infant 4000+g	260†	123	12	99	22	*
Previous SGA infant	750†	408	11	306	21	*
Renal disease	80†	49	0	26	*	0
RH sensitization	220†	97	*	106	8	*
Uterine bleeding	250†	95	*	143	10	*
Incompetent cervix	200†	73	*	128	*	0
Other	23,467	13,497	412	8,975	554	29
<b>Abnormal conditions of the newborn</b>						
Total	8,243	4,810†	100†	3,130†	200†	10†
Anemia	26	19	0	7	0	0
Birth injury	45	16	0	29	0	0
Fetal alcohol syndrome	10†	*	0	*	*	0
Membrane disease	190†	130	*	56	7	0
Meconium aspiration	76	39	0	31	6	0
Assisted vent <30 min	674	333	15	296	30	0
Assisted vent >30 min	270†	149	*	103	17	0
Newborn seizures	20†	7	0	6	*	*
Other	7,527	4,466	80	2,812	158	11
<b>Births with congenital anomalies</b>						
Total	679	390†	20†	250†	20†	0
Anencephalus	10†	7	0	*	0	0
Spina bifida/meningocele	10†	6	0	*	0	0
Hydrocephalus	10†	7	0	*	0	0
Microcephalus	0†	*	0	0	0	0
Other CNS anomaly	10†	8	0	*	0	0
Heart malformations	70†	38	*	26	*	0
Other respiratory/circulatory	110†	83	*	17	*	0
Rectal atresia/stenosis	0†	*	0	*	0	0

**TABLE 1B-28 (continued)**  
**PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2012**

	TOTAL	Payee for birth				
		AHCCCS <sup>a</sup>	IHS	Private Insurance	Self	Unknown
Fistula/esophageal atresia	0†	0	0	*	0	0
Omphalocele/gastroschisis	20†	15	*	*	0	0
Other gastrointestinal anomalies	20†	6	*	10	0	0
Malformed genitalia	10†	*	0	*	0	0
Renal agenesis	0†	0	*	*	0	0
Other urogenital	40†	25	0	13	*	0
Cleft lip/palate	60†	38	6	18	*	0
Polydactyly/syndactyly/adactyly	20†	6	*	9	*	0
Club foot	50†	29	*	19	*	0
Diaphragmatic hernia	0†	*	0	*	0	0
Other musculoskeletal	30†	14	0	10	*	0
Down syndrome	40†	21	0	21	*	0
Other chromosomal	30	15	0	15	0	0
Other	249	132	8	100	9	0
<b>Births with complications of labor and/or delivery</b>	<b>27,159</b>	<b>14,321</b>	<b>450†</b>	<b>11,620†</b>	<b>720†</b>	<b>40†</b>
Febrile	1,460†	719	34	676	29	*
Meconium	4,716	2,699	58	1,809	142	8
Rupture of membrane	1,510†	779	60	622	48	*
Abruption placenta	410†	232	*	152	17	*
Placenta previa	290†	140	*	143	*	*
Other bleeding	310†	153	32	109	17	*
Seizures	20†	13	*	*	0	0
Precipitous labor	1,110†	591	33	417	70	*
Prolonged labor	500†	227	21	224	23	*
Dysfunctional labor	1,465	751	56	636	22	0
Breech malpresentation	2,650†	1,259	39	1,282	65	*
Cephalopelvic disproportion	296	128	8	152	8	0
Cord prolapse	90†	37	*	47	*	0
Anesthetic complications	30†	12	*	16	*	0
Fetal distress	6,169	2,563	53	3,429	118	6
Other	14,371	8,407	181	5,419	346	18

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; <sup>a</sup> The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; <sup>b</sup> "Refused", "yes, divorced", "unknown".

**TABLE 1B-29  
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND PARTY PAYING FOR THE DELIVERY,  
ARIZONA, 2012**

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
<b>All race/ ethnic groups</b>	<b>AHCCCS</b>	45,511	57	2,040	4,668	15,460	11,819	7,246	3,307	857	55	*
	<b>IHS</b>	1,490†	*	70	159	460	416	221	135	23	*	0
	<b>Private insurance</b>	35,599	8	242	644	5,079	11,377	11,653	5,347	1,181	68	0
	<b>Self</b>	2,950†	*	75	135	544	859	845	402	87	*	0
	<b>Unknown</b>	180†	0	*	14	55	54	26	19	*	0	*
	<b>TOTAL</b>	<b>85,725</b>	<b>70†</b>	<b>2,430†</b>	<b>5,620</b>	<b>21,598</b>	<b>24,525</b>	<b>19,991</b>	<b>9,210</b>	<b>2,150†</b>	<b>130†</b>	<b>0†</b>
<b>White non- Hispanic</b>	<b>AHCCCS</b>	13,550†	*	361	1,145	4,803	3,903	2,198	870	237	29	*
	<b>IHS</b>	60†	0	0	*	17	16	14	10	*	0	0
	<b>Private insurance</b>	23,330†	*	97	299	2,993	7,594	7,939	3,550	811	47	0
	<b>Self</b>	1,640†	0	17	42	224	514	529	258	51	*	0
	<b>Unknown</b>	80†	0	0	*	24	31	15	6	*	0	*
	<b>TOTAL</b>	<b>38,670</b>	<b>10†</b>	<b>475</b>	<b>1,490†</b>	<b>8,061</b>	<b>12,058</b>	<b>10,695</b>	<b>4,694</b>	<b>1,100†</b>	<b>80†</b>	<b>0†</b>
<b>Hispanic or Latino</b>	<b>AHCCCS</b>	24,215	43	1,366	2,711	7,980	5,885	3,834	1,903	476	17	0
	<b>IHS</b>	60†	0	*	6	16	22	12	6	0	0	0
	<b>Private insurance</b>	7,760†	*	108	249	1,520	2,517	2,153	1,015	187	10	0
	<b>Self</b>	1,060†	*	52	81	261	292	242	102	27	*	0
	<b>Unknown</b>	50†	0	*	6	14	11	7	8	*	0	0
	<b>TOTAL</b>	<b>33,146</b>	<b>50†</b>	<b>1,530†</b>	<b>3,053</b>	<b>9,791</b>	<b>8,727</b>	<b>6,248</b>	<b>3,034</b>	<b>690†</b>	<b>30†</b>	<b>0</b>
<b>Black or African American</b>	<b>AHCCCS</b>	3,220†	*	135	323	1,174	856	456	207	60	*	0
	<b>IHS</b>	10†	0	0	0	*	*	0	0	0	0	0
	<b>Private insurance</b>	1,390†	*	22	53	255	397	413	201	43	*	0
	<b>Self</b>	90†	0	*	*	30	17	23	7	*	0	0
	<b>Unknown</b>	20†	0	*	*	9	*	*	*	0	0	0
	<b>TOTAL</b>	<b>4,720†</b>	<b>10†</b>	<b>160†</b>	<b>380†</b>	<b>1,470†</b>	<b>1,270†</b>	<b>900†</b>	<b>420†</b>	<b>110†</b>	<b>10†</b>	<b>0</b>
<b>American Indian or Alaska Native</b>	<b>AHCCCS</b>	3,460†	*	168	444	1,259	837	488	209	50	*	0
	<b>IHS</b>	1,350†	*	68	148	422	374	195	118	21	*	0
	<b>Private insurance</b>	690†	*	11	33	138	205	182	100	22	*	0
	<b>Self</b>	40†	0	*	*	16	8	8	*	0	0	0
	<b>Unknown</b>	20†	0	*	*	7	7	0	*	0	0	0
	<b>TOTAL</b>	<b>5,569</b>	<b>10†</b>	<b>250†</b>	<b>630†</b>	<b>1,842</b>	<b>1,431</b>	<b>873</b>	<b>430†</b>	<b>93</b>	<b>10†</b>	<b>0</b>
<b>Asian or Pacific Islander</b>	<b>AHCCCS</b>	1,060†	*	10	45	244	338	270	118	34	*	0
	<b>IHS</b>	10†	0	*	0	*	*	0	*	0	0	0
	<b>Private insurance</b>	2,420†	0	*	10	173	664	966	481	118	6	0
	<b>Self</b>	130†	0	*	*	13	28	43	30	*	*	0
	<b>Unknown</b>	10†	0	0	*	*	*	*	*	0	0	0
	<b>TOTAL</b>	<b>3,630†</b>	<b>0†</b>	<b>20†</b>	<b>60†</b>	<b>430†</b>	<b>1,040†</b>	<b>1,280†</b>	<b>630†</b>	<b>160†</b>	<b>10†</b>	<b>0</b>

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, 2012**

	TOTAL	Mother's age group										
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known	
<b>All race/ ethnic groups</b>	<b>No care</b>	1,070†	0	68	117	337	250	170	88	34	*	0
	<b>1st trimester</b>	70,820†	33	1,594	4,107	16,985	20,830	17,393	7,966	1,801	107	*
	<b>2nd trimester</b>	10,889	25	592	1,067	3,371	2,704	1,931	932	253	14	0
	<b>3rd trimester</b>	2,760†	9	174	315	839	681	470	207	55	7	*
	<b>Unknown</b>	200†	0	*	14	66	60	27	17	8	*	*
	<b>TOTAL</b>	85,725	67	2,430†	5,620	21,598	24,525	19,991	9,210	2,151	130†	0†
<b>White non- Hispanic</b>	<b>No care</b>	240†	0	*	20	68	58	49	24	16	*	0
	<b>1st trimester</b>	34,180†	*	335	1,177	6,776	10,808	9,776	4,271	974	61	*
	<b>2nd trimester</b>	3,450†	*	112	237	996	951	715	336	91	11	0
	<b>3rd trimester</b>	710†	*	22	55	197	214	141	55	15	*	*
	<b>Unknown</b>	90†	0	*	*	24	27	14	8	7	*	*
	<b>TOTAL</b>	38,670†	10†	480†	1,490†	8,061	12,058	10,695	4,694	1,103	80†	0†
<b>Hispanic or Latino</b>	<b>No care</b>	634	0	55	86	197	150	91	41	14	0	0
	<b>1st trimester</b>	25,909	21	1,017	2,201	7,522	7,047	5,091	2,450	535	25	0
	<b>2nd trimester</b>	5,110†	19	347	582	1,596	1,193	832	421	114	*	0
	<b>3rd trimester</b>	1,430†	6	109	178	449	314	227	117	28	*	0
	<b>Unknown</b>	70†	0	0	6	27	23	7	*	0	0	0
	<b>TOTAL</b>	33,146	46	1,528	3,053	9,791	8,727	6,248	3,030†	691	30†	0
<b>Black or African American</b>	<b>No care</b>	50†	0	*	6	20	9	9	6	*	0	0
	<b>1st trimester</b>	3,770†	*	90	284	1,145	1,041	752	356	92	7	0
	<b>2nd trimester</b>	720†	*	51	76	245	178	108	45	13	0	0
	<b>3rd trimester</b>	160†	0	16	14	55	41	25	8	0	*	0
	<b>Unknown</b>	10†	0	0	0	6	*	*	*	0	0	0
	<b>TOTAL</b>	4,720†	10†	160†	380	1,471	1,270†	900†	420†	110†	10†	0
<b>American Indian or Alaska Native</b>	<b>No care</b>	110†	0	6	*	45	26	15	15	*	0	0
	<b>1st trimester</b>	3,800†	*	138	397	1,208	1,032	626	320	67	6	0
	<b>2nd trimester</b>	1,240†	*	81	166	456	278	169	75	17	*	0
	<b>3rd trimester</b>	390†	*	26	61	124	91	59	21	8	0	0
	<b>Unknown</b>	20†	0	0	*	9	*	*	*	0	0	0
	<b>TOTAL</b>	5,569	10†	251	630†	1,842	1,430†	870†	430†	90†	10†	0
<b>Asian or Pacific Islander</b>	<b>No care</b>	20†	0	*	0	7	7	6	*	*	0	0
	<b>1st trimester</b>	3,160†	*	14	48	334	902	1,148	569	133	8	0
	<b>2nd trimester</b>	370†	0	*	6	78	104	107	55	18	0	0
	<b>3rd trimester</b>	70†	0	*	7	14	21	18	6	*	0	0
	<b>Unknown</b>	0†	0	0	0	0	*	*	*	*	0	0
	<b>TOTAL</b>	3,630†	0†	20†	61	433	1,040†	1,280†	630†	160†	8	0

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

**TABLE 1B-31  
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF PRENATAL VISITS,  
ARIZONA, 2012**

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All race/ethnic groups	No visits	1,070†	0	68	117	337	250	170	88	34	*	0
	1-4 visits	3,052	8	154	318	976	772	511	248	56	9	0
	5-8 visits	11,693	23	539	1,089	3,564	2,989	2,195	1,004	273	16	*
	9-12 visits	40,039	20	1,128	2,644	9,995	11,423	9,492	4,369	917	51	0
	13+ visits	29,642	16	535	1,439	6,647	9,022	7,586	3,482	862	52	*
	Unknown	230†	0	6	13	79	69	37	19	9	*	*
	TOTAL	85,725	67	2,430	5,620	21,598	24,525	19,991	9,210	2,151	130†	0†
White non-Hispanic	No visits	240†	0	*	20	68	58	49	24	16	*	0
	1-4 visits	756	0	17	61	221	220	143	67	21	6	0
	5-8 visits	3,790†	*	90	239	1,015	1,075	894	362	103	8	*
	9-12 visits	17,840†	*	229	660	3,607	5,481	5,060	2,277	486	34	0
	13+ visits	15,940†	*	132	509	3,121	5,192	4,531	1,954	469	29	*
	Unknown	110†	0	*	*	29	32	18	10	8	*	*
	TOTAL	38,670	10†	480†	1,494	8,061	12,058	10,695	4,694	1,103	80†	0†
Hispanic or Latino	No visits	634	0	55	86	197	150	91	41	14	0	0
	1-4 visits	1,490†	7	101	157	494	339	249	120	25	*	0
	5-8 visits	5,425	14	342	598	1,736	1,300	874	443	112	6	0
	9-12 visits	15,857	15	709	1,491	4,725	4,213	2,989	1,417	289	9	0
	13+ visits	9,656	10	320	716	2,605	2,700	2,034	1,008	251	12	0
	Unknown	80†	0	*	*	34	25	11	*	0	0	0
	TOTAL	33,146	46	1,528	3,053	9,791	8,727	6,248	3,034	691	30†	0
Black or African American	No visits	50†	0	*	6	20	9	9	6	*	0	0
	1-4 visits	210†	0	11	21	74	60	29	14	0	*	0
	5-8 visits	730†	*	30	77	245	190	121	46	20	*	0
	9-12 visits	2,160†	0	78	183	683	589	403	174	44	*	0
	13+ visits	1,540†	*	38	93	443	419	331	175	41	*	0
	Unknown	20†	0	0	0	6	7	*	*	0	0	0
	TOTAL	4,720†	10†	160†	380	1,471	1,274	895	416	110†	10†	0
American Indian or Alaska Native	No visits	110†	0	6	*	45	26	15	15	*	0	0
	1-4 visits	510†	*	24	76	169	127	68	32	8	*	0
	5-8 visits	1,360†	*	76	164	499	314	184	96	23	0	0
	9-12 visits	2,410†	*	105	287	775	641	389	180	31	*	0
	13+ visits	1,150†	*	38	97	344	319	212	108	30	*	0
	Unknown	30†	0	*	*	10	*	*	*	0	0	0
	TOTAL	5,569	10†	251	630†	1,842	1,431	873	433	90†	10†	0
Asian or Pacific Islander	No visits	20†	0	*	0	7	7	6	*	*	0	0
	1-4 visits	90†	0	*	*	18	26	22	15	*	0	0
	5-8 visits	390†	*	*	11	69	110	122	57	15	0	0
	9-12 visits	1,780†	0	7	23	205	499	651	321	67	*	0
	13+ visits	1,349	0	7	24	134	392	478	237	71	6	0
	Unknown	0†	0	0	0	0	*	*	*	*	0	0
	TOTAL	3,630†	0†	20†	60†	433	1,035	1,280	630†	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, 2012**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown
<b>TOTAL</b>	85,725	1,070†	70,817	10,889	2,760†	200†	4,117	81,374	230†
<b>Mother's age group</b>									
<15	67	0	33	25	9	0	8	59	0
15-17	2,430	68	1,594	592	174	*	222	2,202	6
18-19	5,620	117	4,107	1,067	315	14	435	5,172	13
20-24	21,598	337	16,985	3,371	839	66	1,313	20,206	79
25-29	24,525	250	20,830	2,704	681	60	1,022	23,434	69
30-34	19,991	170	17,393	1,931	470	27	681	19,273	37
35-39	9,210	88	7,966	932	207	17	336	8,855	19
40-44	2,151	34	1,801	253	55	8	90	2,052	9
45+	130†	*	107	14	7	*	10	119	*
Unknown	0†	0	*	0	*	*	0	*	*
<b>Payee for birth</b>									
AHCCCS	45,511	708	34,885	7,773	2,037	108	2,985	42,392	134
IHS	1,487	35	932	363	147	10	216	1,260	11
Private insurance	35,599	67	32,738	2,342	420	32	488	35,070	41
Self	2,953	238	2,160	392	145	18	399	2,534	20
Unknown	175	17	102	19	9	28	29	118	28
<b>Mother's education</b>									
<8	2,266	68	1,589	484	121	*	205	2,057	*
8	1,444	79	961	298	105	*	210	1,231	*
9-11	12,592	370	8,947	2,518	719	38	1,215	11,332	45
12	26,909	349	21,578	3,945	974	63	1,465	25,368	76
13-16	33,115	131	29,202	3,042	689	51	817	32,236	62
17+	8,790	15	8,150	504	113	8	124	8,656	10
Unknown	609	53	390	98	37	31	81	494	34
<b>Marital status</b>									
Married	46,081	222	40,697	4,158	922	82	1,128	44,852	101
Unmarried	38,770	824	29,477	6,576	1,782	111	2,899	35,741	130
Other/Unknown <sup>a</sup>	874	19	643	155	54	*	90	781	*
<b>Weight gain</b>									
None	1,317	62	970	163	98	24	187	1,105	25
1-15 pounds	10,661	182	8,058	1,764	632	25	935	9,695	31
16-20 pounds	10,678	166	8,466	1,617	405	24	636	10,016	26
21-24 pounds	6,625	59	5,529	855	175	7	230	6,383	12
25-30 pounds	19,802	216	16,562	2,478	513	33	804	18,959	39
31+ pounds	36,054	230	30,979	3,932	869	44	1,082	34,915	57
Unknown	588	150	253	80	66	39	243	301	44
<b>Substance use</b>									
Drinker, nonsmoker	252	12	182	39	17	*	31	219	*
Smoker, nondrinker	3,454	123	2,465	624	222	20	424	3,007	23
Smoker and drinker	145	15	89	27	13	*	35	108	*
Nonsmoker and nondrinker	81,874	915	68,081	10,199	2,506	173	3,627	78,040	207

**TABLE 1B-32 (continued)  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2012**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown
<b>Length of gestation</b>									
<37 weeks	7,892	291	6,349	987	229	36	933	6,916	43
37-41 weeks	77,524	737	64,282	9,859	2,502	144	3,121	74,231	172
42+ weeks	269	19	178	43	27	*	45	221	*
Unknown	40†	18	8	0	0	14	18	6	16
<b>Weight at birth</b>									
<1,000 grams	480†	31	394	47	*	6	162	310	8
1,000-1,499	506	29	402	64	7	*	90	411	*
1,500-2,499	4,960	115	3,958	721	151	15	434	4,507	19
2,500-3,999	73,096	831	60,352	9,348	2,411	154	3,201	69,711	184
4000+ grams	6,677	59	5,709	708	187	14	230	6,432	15
Unknown	10†	0	*	*	0	*	0	*	*
<b>Newborn intensive care</b>									
Yes	4,158	134	3,290	594	124	16	453	3,684	21
No	81,562	931	67,527	10,294	2,633	177	3,663	77,688	211
Unknown	10†	0	0	*	*	*	*	*	*
<b>Obstetric procedures</b>									
Amniocentesis	260†	*	220	33	*	*	9	248	*
Electro. fetal monit.	80,260	925	66,377	10,235	2,577	146	3,729	76,355	176
Induction of labor	17,814	50	15,008	2,176	561	19	486	17,302	26
Stimulation of labor	14,822	129	12,081	2,070	524	18	611	14,192	19
Tocolysis	400†	*	338	40	14	*	30	364	*
Ultrasound	59,825	664	49,051	7,918	2,062	130	2,974	56,699	152
Other	6,918	53	5,733	877	242	13	294	6,607	17
<b>Method of delivery</b>									
Vaginal	60,990	819	50,050	7,943	2,036	142	3,008	57,813	169
Vaginal after C-Section	1,017	23	775	169	48	*	73	942	*
Primary C-Section	12,362	106	10,516	1,393	325	22	480	11,852	30
Repeat C-Section	11,314	117	9,441	1,379	349	28	555	10,728	31
Forceps	370†	*	307	48	12	*	14	357	*
Vacuum	2,422	34	1,949	343	90	6	117	2,299	6
<b>Births with medical risk factors</b>									
Total	32,341	600†	24,948	5,010†	1,690†	100†	2,410†	29,825	110†
Anemia	3,817	49	2,866	677	216	9	243	3,565	9
Cardiac disease	180†	*	156	18	*	0	*	177	0
Lung disease	878	8	790	74	6	0	21	857	0
Diabetes	4,390	25	3,652	552	157	*	155	4,230	*
Genital herpes	950†	*	815	103	27	*	28	918	*
Hydramnios/oligohydramnios	1,180	20	975	135	48	*	78	1,098	*
Hemoglobinopathy	20†	0	20	0	*	0	0	21	0
Chronic hypertension	788	9	636	109	32	*	41	745	*
Pregnancy associated hypertension	3,871	41	3,266	458	97	9	166	3,695	10

**TABLE 1B-32 (continued)  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2012**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown
Eclampsia	629	17	481	99	25	7	52	570	7
Previous infant 4000+g	260†	*	200	45	9	0	15	242	0
Previous SGA infant	751	12	615	101	18	*	55	691	*
Renal disease	80†	*	69	*	*	0	*	73	0
RH sensitization	220†	0	187	21	7	0	*	211	0
Uterine bleeding	252	8	206	29	8	*	15	235	*
Incompetent cervix	200†	*	194	8	*	0	8	196	0
Other	23,467	528	17,295	4,097	1,464	83	2,128	21,251	88
<b>Abnormal conditions of the newborn</b>	<b>8,243</b>	<b>150†</b>	<b>6,580†</b>	<b>1,150†</b>	<b>320†</b>	<b>50†</b>	<b>580†</b>	<b>7,610†</b>	<b>50†</b>
Anemia	30†	*	20	*	*	0	*	21	0
Birth injury	50†	0	42	0	*	0	*	43	0
Fetal alcohol syndrome	10†	*	*	*	*	0	*	*	0
Membrane disease	190†	*	153	30	*	*	15	175	*
Meconium aspiration	80†	*	62	9	*	*	*	70	*
Assisted vent <30 min	674	14	509	116	34	*	58	614	*
Assisted vent >30 min	271	24	193	43	10	*	51	219	*
Newborn seizures	20†	0	14	*	0	*	0	16	0
Other	7,527	131	6,011	1,050	289	46	524	6,954	49
<b>Births with congenital anomalies</b>	<b>679</b>	<b>10†</b>	<b>510†</b>	<b>120†</b>	<b>30†</b>	<b>0†</b>	<b>70†</b>	<b>610†</b>	<b>0†</b>
Anencephalus	10†	*	6	*	0	0	*	10	0
Spina bifida/meningocele	10†	0	*	*	*	0	*	*	0
Hydrocephalus	10†	0	7	*	0	0	*	6	0
Microcephalus	0†	*	0	0	0	0	*	0	0
Other CNS anomaly	10†	*	10	*	0	0	*	12	0
Heart malformations	70†	*	56	10	*	0	*	64	0
Other respiratory/circulatory	110†	*	64	28	7	*	22	81	*
Rectal atresia/stenosis	0†	0	*	*	0	0	0	*	0
Fistula/esophageal atresia	0†	0	*	0	0	0	0	*	0
Omphalocele/gastroschisis	20†	*	18	*	0	0	*	18	0
Other gastrointestinal	20†	0	13	*	0	0	*	16	0
Malformed genitalia	10†	0	*	*	0	0	0	*	0
Renal agenesis	0†	0	*	0	0	0	0	*	0
Other urogenital	40†	*	31	7	*	0	*	40	0
Cleft lip/palate	60†	0	45	15	*	*	*	58	*
Polydactyly/syndactyly/adactyly	20†	*	15	*	*	0	*	18	0
Club foot	50†	0	36	9	*	0	*	46	0

**TABLE 1B-32 (continued)**  
**SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2012**

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown
Diaphragmatic hernia	0†	0	*	0	0	0	0	*	0
Other musculoskeletal	30†	0	19	*	*	0	*	22	0
Down syndrome	40†	0	38	*	*	0	*	43	0
Other chromosomal	30†	0	24	6	0	0	*	26	0
Other	250†	*	194	37	13	*	21	227	*
<b>Total</b>	27,159	460†	21,610	3,930†	1,100†	60†	1,670†	25,417	70†
<b>Births with complications</b>									
Febrile	1,459	8	1,231	168	50	*	48	1,409	*
Meconium	4,716	92	3,648	733	233	10	296	4,409	11
Rupture of membrane	1,510	41	1,224	186	50	9	147	1,354	9
Abruption placenta	410	14	322	57	8	9	58	343	9
Placenta previa	290†	6	243	37	*	0	16	273	*
Other bleeding	310†	*	237	56	15	*	21	287	*
Seizures	20†	0	16	*	0	0	*	18	0
Precipitous labor	1,114	44	817	190	58	*	131	978	*
Prolonged labor	500†	*	435	45	13	*	13	481	*
Dysfunctional labor	1,465	15	1,218	177	53	*	61	1,402	*
Breech malpresentation	2,647	37	2,181	347	75	7	163	2,474	10
Cephalopelvic disproportion	300†	*	261	25	8	0	9	287	0
Cord prolapse	90†	*	71	10	*	0	6	83	0
Anesthetic complications	30†	*	28	0	0	0	*	28	0
Fetal distress	6,169	98	5,232	674	157	8	263	5,898	8
Other	14,371	266	10,984	2,388	696	37	1,023	13,308	40

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; <sup>a</sup> "Refused", "yes, divorced", "unknown".

**TABLE 1B-33  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2012**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
<b>TOTAL</b>	85,725	5,950†	79,770†	10†	7,892	77,520†	270†	40†
<b>Mother's age group</b>								
<15	70†	*	63	0	6	60	*	0
15-17	2,430†	207	2,223	0	251	2,169	9	*
18-19	5,620†	427	5,193	0	516	5,086	16	*
20-24	21,600†	1,497	20,099	*	1,869	19,663	53	13
25-29	24,530†	1,471	23,053	*	2,046	22,395	75	9
30-34	19,990†	1,375	18,614	*	1,897	18,007	78	9
35-39	9,210†	735	8,475	0	1,023	8,157	27	*
40-44	2,150†	212	1,939	0	258	1,882	10	*
45+	130†	18	112	0	26	103	0	*
Unknown	0†	0	*	*	0	*	0	*
<b>Payee for birth</b>								
AHCCCS	45,510†	3,426	42,083	*	4,463	40,917	113	18
IHS	1,490†	83	1,403	*	130	1,339	17	*
Private insurance	35,600†	2,259	33,339	*	3,056	32,424	114	*
Self	2,953	153	2,800	0	214	2,708	25	6
Unknown	180†	25	148	*	29	136	0	10
<b>Mother's education</b>								
<8	2,270†	166	2,100	0	232	2,021	12	*
8	1,440†	99	1,345	0	154	1,285	*	*
9-11	12,590†	997	11,594	*	1,327	11,214	43	8
12	26,910†	1,965	24,943	*	2,589	24,245	63	12
13-16	33,120†	2,078	31,036	*	2,802	30,199	107	7
17+	8,790†	590	8,199	*	727	8,023	38	*
Unknown	610†	51	556	*	61	537	*	8
<b>Marital status</b>								
Married	46,080†	2,805	43,272	*	3,844	42,069	154	14
Unmarried	38,770†	3,056	35,712	*	3,948	34,683	114	25
Other/Unknown <sup>a</sup>	870†	85	789	0	100	772	*	*
<b>Weight gain</b>								
None	1,320†	180	1,137	0	209	1,103	*	0
1-15 pounds	10,660†	1,239	9,419	*	1,485	9,145	26	*
16-20 pounds	10,680†	941	9,737	0	1,171	9,479	25	*
21-24 pounds	6,630†	484	6,141	0	614	5,997	12	*
25-30 pounds	19,800†	1,152	18,650	0	1,577	18,162	59	*
31+ pounds	36,050†	1,880	34,173	*	2,732	33,179	135	8
Unknown	590†	70	516	*	104	459	7	18

**TABLE 1B-33 (continued)  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2012**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
<b>Substance use</b>								
Drinker, nonsmoker	250†	31	221	0	26	224	*	*
Smoker, nondrinker	3,454	452	3,002	0	490	2,950	8	6
Smoker and drinker	150†	22	123	0	23	119	*	*
<b>Nonsmoker and nondrinker</b>	81,874	5,441	76,427	6	7,353	74,231	258	32
<b>Prenatal care</b>								
No care	1,065	175	890	0	291	737	19	18
1st trimester	70,820†	4,754	66,061	*	6,349	64,282	178	8
2nd trimester	10,890†	832	10,056	*	987	9,859	43	0
3rd trimester	2,758	160	2,598	0	229	2,502	27	0
Unknown	200†	25	168	*	36	144	*	14
<b>Prenatal visits</b>								
No visits	1,065	175	890	0	291	737	19	18
1-4 visits	3,052	511	2,541	0	642	2,384	26	0
5-8 visits	11,690†	1,335	10,357	*	1,723	9,947	23	0
9-12 visits	40,040†	2,307	37,732	0	3,195	36,757	84	*
13+ visits	29,640†	1,586	28,054	*	1,998	27,527	114	*
Unknown	230†	32	199	*	43	172	*	16
<b>Newborn intensive care</b>								
Yes	4,160†	2,050	2,108	0	2,380	1,766	8	*
No	81,560†	3,896	77,662	*	5,511	75,756	261	34
Unknown	10†	0	*	*	*	*	0	*
<b>Obstetric procedures</b>								
Amniocentesis	259	44	215	0	46	213	0	0
Electro. fetal monit.	80,260†	5,637	74,621	*	7,517	72,484	237	22
Induction of labor	17,810†	748	17,066	0	784	16,959	69	*
Stimulation of labor	14,820†	801	14,021	0	1,131	13,636	53	*
Tocolysis	400†	71	325	0	83	309	*	0
Ultrasound	59,830†	4,340	55,482	*	5,707	53,910	192	16
Other	6,920†	457	6,460	*	633	6,260	21	*
<b>Method of delivery</b>								
Vaginal	60,990†	3,054	57,933	*	4,303	56,463	190	34
Vaginal after C-Section	1,020†	55	962	0	94	919	*	0
Primary C-Section	12,360†	1,956	10,406	0	2,272	10,026	61	*
Repeat C-Section	11,310†	880	10,433	*	1,223	10,076	14	*
Forceps	372	17	355	0	22	350	0	0
Vacuum	2,420†	72	2,350	0	100	2,313	7	*

**TABLE 1B-33 (continued)  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2012**

	TOTAL	Weight at birth			Length of gestation			Unknown
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	
<b>Births with medical risk factors</b>								
Total	32,340†	3,430†	28,911	0†	4,417	27,800	110†	20†
Anemia	3,820†	317	3,500	0	424	3,382	9	*
Cardiac disease	180†	20	160	0	25	154	*	0
Lung disease	880†	89	789	0	108	768	*	*
Diabetes	4,390	362	4,028	0	682	3,700	8	0
Genital herpes	950†	74	873	0	93	851	*	0
Hydramnios/oligohydramnios	1,180†	195	985	0	193	983	*	0
Hemoglobinopathy	21	6	15	0	7	14	0	0
Chronic hypertension	790†	121	667	0	147	639	*	*
hypertension	3,871	659	3,212	0	787	3,073	11	0
Eclampsia	630†	196	433	0	245	383	0	*
Previous infant 4000 +g	260†	9	248	0	19	235	*	0
Previous SGA infant	751	193	558	0	259	492	0	0
Renal disease	80†	*	72	0	13	64	0	0
RH sensitization	215	10	205	0	11	204	0	0
Uterine bleeding	250†	62	189	*	78	174	0	0
Incompetent cervix	204	81	123	0	94	110	0	0
Other	23,470†	2,617	20,849	*	3,305	20,064	84	14
Total	8,240†	1,420†	6,820†	0	1,720†	6,483	40†	0†
<b>Abnormal conditions of the newborn</b>								
Anemia	26	7	19	0	8	18	0	0
Birth injury	50†	*	44	0	*	42	*	0
Fetal alcohol syndrome	10†	*	*	0	0	6	0	0
Membrane disease	194	80	114	0	109	85	0	0
Meconium aspiration	80†	*	71	0	*	73	*	0
Assisted vent <30 min	670†	98	576	0	131	538	*	0
Assisted vent >30 min	270†	124	147	0	138	132	0	*
Newborn seizures	20†	*	15	0	*	15	0	0
Other	7,530†	1,282	6,245	0	1,550	5,941	34	*
Total	680†	160†	520†	0†	170†	500†	0†	0
<b>Births with congenital anomalies</b>								
Anencephalus	10†	*	7	0	*	8	*	0
Spina bifida/meningocele	10†	*	*	0	*	*	0	0
Hydrocephalus	10†	*	7	0	8	*	0	0
Microcephalus	0†	0	*	0	*	0	0	0

**TABLE 1B-33 (continued)  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2012**

	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	10†	*	9	0	*	10	0	0
Heart malformations	69	26	43	0	25	44	0	0
Other respiratory/circulatory	110†	38	66	*	47	58	0	0
Rectal atresia/stenosis	0†	*	*	0	*	*	0	0
Fistula/esophageal atresia	0†	*	*	0	*	*	0	0
Omphalocele/gastroschisis	21	14	7	0	15	6	0	0
Other gastrointestinal	20†	7	10	0	*	13	0	0
Malformed genitalia	10†	0	*	0	*	*	0	0
Renal agenesis	0†	*	*	0	*	*	0	0
Other urogenital	40†	*	37	0	*	38	0	0
Cleft lip/palate	60†	9	55	0	10	53	*	0
Polydactyly/syndactyly/adactyly	20†	*	15	0	7	13	0	0
Club foot	50	10	40	0	12	38	0	0
Diaphragmatic hernia	0†	0	*	0	0	*	0	0
Other musculoskeletal	30†	*	21	0	7	19	0	0
Down syndrome	44	9	35	0	10	34	0	0
Other chromosomal	30	11	19	0	10	20	0	0
Other	250†	42	207	0	40	207	*	0
<b>Total</b>	<b>27,160†</b>	<b>2,940†</b>	<b>24,215</b>	<b>0†</b>	<b>3,740†</b>	<b>23,297</b>	<b>120†</b>	<b>10†</b>
<b>Births with complications</b>	<b>1,459</b>	<b>67</b>	<b>1,392</b>	<b>0</b>	<b>82</b>	<b>1,369</b>	<b>8</b>	<b>0</b>
Febrile	4,720†	150	4,566	0	145	4,530	38	*
Rupture of membrane	1,510†	565	945	0	794	715	*	0
Abruptio placentae	410†	159	250	*	207	202	0	*
Placenta previa	290	87	203	0	121	169	0	0
Other bleeding	310†	39	273	0	50	261	*	0
Seizures	19	6	13	0	7	12	0	0
Precipitous labor	1,110†	120	994	0	155	953	*	*
Prolonged labor	500†	20	476	0	24	466	*	*
Dysfunctional labor	1,470†	53	1,411	*	80	1,370	13	*
Breech malpresentation	2,650†	685	1,962	0	804	1,838	*	0
Cephalopelvic disproportion	300†	9	287	0	6	285	*	*
Cord prolapse	90†	17	72	0	21	67	*	0
Anesthetic complications	30†	*	28	0	*	26	0	*
Fetal distress	6,170†	704	5,464	*	783	5,353	30	*
Other	14,370†	1,487	12,883	*	1,877	12,441	49	*

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; <sup>a</sup> "Refused", "yes, divorced", "unknown".



**TABLE 1B-34  
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2012**

	TOTAL	Mother's age group										Un- known		
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+				
<b>Mother's race/ethnicity</b>														
White non-Hispanic	85,725	67	2,430	5,620	21,598	24,525	19,991	9,210	2,151	130	3			
Hispanic or Latino	38,670	8	475	1,494	8,061	12,058	10,695	4,694	1,103	79	*			
Black or African American	33,146	46	1,528	3,053	9,791	8,727	6,248	3,034	691	28	0			
American Indian or Alaska Native	4,720†	*	159	380	1,471	1,274	895	416	107	8	0			
Asian or Pacific Islander	5,569	7	251	632	1,842	1,431	873	433	93	7	0			
Payee for birth	3,630†	*	17	61	433	1,035	1,280	633	157	8	0			
AHCCCS	45,511	57	2,040	4,668	15,460	11,819	7,246	3,307	857	55	*			
IHS	1,490†	*	70	159	460	416	221	135	23	*	0			
Private insurance	35,599	8	242	644	5,079	11,377	11,653	5,347	1,181	68	0			
Self	2,950†	*	75	135	544	859	845	402	87	*	0			
Unknown	180†	0	*	14	55	54	26	19	*	0	*			
<b>Mother's education</b>														
<8	2,266	11	45	73	300	560	660	459	149	9	0			
8	1,440†	34	133	117	336	350	276	150	45	*	0			
9-11	12,590†	20	1,846	1,745	3,933	2,485	1,581	804	173	*	0			
12	26,910†	0	386	3,029	9,594	7,314	4,288	1,815	467	16	0			
13-16	33,120†	0	15	631	7,054	11,296	9,273	3,976	818	52	0			
17+	8,790†	0	0	*	286	2,361	3,764	1,919	435	21	0			
Unknown	610†	*	*	21	95	159	149	87	64	24	*			
<b>Marital status</b>														
Married	46,080†	*	97	744	7,366	14,978	14,601	6,699	1,499	93	*			
Unmarried	38,770	66	2,333	4,869	14,025	9,271	5,183	2,387	602	34	0			
Other/Unknown <sup>a</sup>	870†	0	0	7	207	276	207	124	50	*	0			
<b>Weight gain</b>														
None	1,320†	0	23	73	326	412	295	150	35	*	0			
1-15 pounds	10,660†	*	253	634	2,796	3,006	2,406	1,238	308	15	0			
16-20 pounds	10,678	15	316	699	2,772	2,976	2,370	1,193	319	18	0			
21-24 pounds	6,630†	*	183	404	1,636	1,886	1,563	745	192	13	0			
25-30 pounds	19,802	16	553	1,268	4,992	5,646	4,740	2,074	482	29	*			
31+ pounds	36,054	28	1,076	2,483	8,904	10,463	8,503	3,746	802	49	0			
Unknown	590†	0	26	59	172	136	114	64	13	*	0			
<b>Substance use</b>														
Drinker, nonsmoker	250†	0	*	7	46	79	74	33	8	*	0			
Smoker, nondrinker	3,450†	0	52	241	1,113	1,039	629	290	78	12	0			
Smoker and drinker	150†	0	*	*	44	42	35	7	6	*	0			
Nonsmoker and nondrinker	81,874	67	2,369	5,367	20,395	23,365	19,253	8,880	2,059	116	*			
<b>Length of gestation</b>														
<37 weeks	7,892	6	251	516	1,869	2,046	1,897	1,023	258	26	0			
37-41 weeks	77,524	60	2,169	5,086	19,663	22,395	18,007	8,157	1,882	103	*			
42+ weeks	270†	*	9	16	53	75	78	27	10	0	0			
Unknown	40†	0	*	*	13	9	9	*	*	*	0			

**TABLE 1B-34 (continued)  
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2012**

	TOTAL	Mother's age group										Un- known		
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+				
<b>Weight at birth</b>														
<1,000 grams	480†	*	20	37	114	120	114	120	114	120	114	52	22	0
1,000-1,499	510†	*	23	39	120	120	109	125	109	125	68	68	20	*
1,500-2,499	4,960†	*	164	351	1,263	1,226	1,152	1,226	1,152	1,226	615	170	170	0
2,500-3,999	73,096	60	2,135	4,933	18,762	21,036	16,751	21,036	16,751	21,036	7,576	1,736	105	*
4000+ grams	6,680†	*	88	260	1,337	2,017	1,863	2,017	1,863	2,017	899	203	7	0
Unknown	10†	0	0	0	*	*	*	*	*	*	0	0	0	*
<b>Prenatal care</b>														
No care	1,070†	0	68	117	337	250	170	250	170	250	88	34	34	0
1st trimester	70,817	33	1,594	4,107	16,985	20,830	17,393	20,830	17,393	20,830	7,966	1,801	107	*
2nd trimester	10,889	25	592	1,067	3,371	2,704	1,931	2,704	1,931	2,704	932	253	14	0
3rd trimester	2,758	9	174	315	839	681	470	681	470	681	207	55	7	*
Unknown	200†	0	*	14	66	60	27	60	27	60	17	8	*	*
<b>Prenatal visits</b>														
No visits	1,070†	0	68	117	337	250	170	250	170	250	88	34	34	0
1-4 visits	3,052	8	154	318	976	772	511	772	511	772	248	56	9	0
5-8 visits	11,693	23	539	1,089	3,564	2,989	2,195	2,989	2,195	2,989	1,004	273	16	*
9-12 visits	40,039	20	1,128	2,644	9,995	11,423	9,492	11,423	9,492	11,423	4,369	917	51	0
13+ visits	29,642	16	535	1,439	6,647	9,022	7,586	9,022	7,586	9,022	3,482	862	52	*
Unknown	230†	0	6	13	79	69	37	69	37	69	19	9	9	*
<b>Newborn intensive care</b>														
Yes	4,160†	*	126	270	1,051	1,104	947	1,104	947	1,104	504	142	10	0
No	81,562	63	2,304	5,350	20,547	23,420	19,043	23,420	19,043	23,420	8,704	2,009	120	*
Unknown	10†	0	0	0	0	*	*	*	*	*	*	0	0	*
<b>Obstetric procedures</b>														
Amniocentesis	260†	0	*	19	44	65	57	44	65	57	47	22	22	0
Electro. fetal monit	80,260	63	2,283	5,272	20,248	22,896	18,709	22,896	18,709	22,896	8,649	2,016	122	*
Induction of labor	17,814	12	470	1,234	4,722	5,187	3,931	5,187	3,931	5,187	1,804	431	22	*
Stimulation of labor	14,822	14	484	1,216	3,851	4,064	3,316	4,064	3,316	4,064	1,504	357	15	*
Tocolysis	400†	0	14	22	100	114	89	114	89	114	38	17	*	0
Ultrasound	59,825	49	1,773	3,968	15,124	16,844	13,912	16,844	13,912	16,844	6,491	1,564	98	*
Other	6,918	7	242	514	1,816	1,933	1,513	1,933	1,513	1,933	711	172	10	0
<b>Method of delivery</b>														
Vaginal	60,990	61	2,079	4,568	16,383	17,640	13,323	17,640	13,323	17,640	5,656	1,218	60	*
Vaginal after C-Section	1,020†	0	*	18	171	327	318	171	327	318	143	31	31	0
Primary C-Section	12,360†	*	317	840	2,937	3,363	2,928	3,363	2,928	3,363	1,506	431	35	0
Repeat C-Section	11,310†	*	29	191	2,093	3,182	3,414	2,093	3,182	3,414	1,903	470	31	0
Forceps	370†	0	14	22	89	114	82	89	114	82	41	10	0	0
Vacuum	2,420†	0	99	220	679	628	533	628	533	628	209	51	*	0
<b>Births with medical risk factors</b>														
Total	32,341	34	1,030	2,178	7,660	8,769	7,347	8,769	7,347	8,769	4,140	1,124	59	*
Anemia	3,817	9	145	325	1,065	1,059	788	1,059	788	1,059	334	84	8	0
Cardiac disease	180†	0	*	*	41	46	48	41	46	48	29	6	0	0
Lung disease	880†	*	19	49	235	267	196	267	196	267	85	25	0	0
Diabetes	4,390†	0	29	108	591	1,159	1,320	1,159	1,320	1,159	888	283	12	0

**TABLE 1B-34 (continued)**  
**SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2012**

	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†	0	10	32	192	278	271	126	36	*	0	
Hydramnios/oligohydramnios	1,180†	*	27	78	286	312	275	144	52	*	0	
Hemoglobinopathy	20†	0	*	*	*	7	*	*	*	0	0	
Chronic hypertension	790†	0	*	10	88	196	257	181	47	*	0	
Pregnancy associated hypertension	3,870†	*	112	241	920	1,063	911	473	136	12	0	
Eclampsia	630†	0	16	69	178	142	124	75	24	*	0	
Previous infant 4000+g	260†	0	0	0	42	63	78	56	17	*	0	
Previous SGA infant	750†	0	*	21	163	225	209	107	23	*	0	
Renal disease	80†	0	*	*	23	22	18	6	0	0	0	
RH sensitization	220†	0	*	7	50	74	51	24	6	0	0	
Uterine bleeding	250†	0	*	13	51	63	71	38	10	*	0	
Incompetent cervix	200†	0	*	6	35	53	63	29	13	*	0	
Other	23,467	30	897	1,701	5,696	6,195	5,048	3,014	841	45	0	
<b>Total</b>	<b>8,243</b>	<b>6</b>	<b>270</b>	<b>613</b>	<b>2,337</b>	<b>2,252</b>	<b>1,753</b>	<b>783</b>	<b>215</b>	<b>14</b>	<b>*</b>	
<b>Abnormal conditions of the newborn</b>												
Anemia	30†	0	0	*	11	7	*	*	0	0	0	
Birth injury	50†	0	*	*	10	10	11	8	*	0	0	
Fetal alcohol syndrome	10†	0	0	0	*	*	0	0	*	0	0	
Membrane disease	190†	0	*	13	66	55	23	27	*	*	0	
Meconium aspiration	80†	*	*	8	21	21	9	10	*	0	0	
Assisted vent <30 min	670†	0	16	36	178	182	153	91	16	*	0	
Assisted vent >30 min	270†	0	8	21	78	78	55	25	*	*	0	
Newborn seizures	20†	0	0	*	*	6	*	*	*	0	0	
Other	7,527	6	261	572	2,169	2,041	1,593	678	194	13	0	
<b>Total</b>	<b>680†</b>	<b>*</b>	<b>20</b>	<b>37</b>	<b>189</b>	<b>174</b>	<b>164</b>	<b>65</b>	<b>29</b>	<b>*</b>	<b>*</b>	
<b>Births with congenital anomalies</b>												
Anencephalus	10†	0	*	0	*	*	6	0	0	0	0	
Spina bifida/meningocele	10†	0	0	0	*	*	*	*	0	0	0	
Hydrocephalus	10†	0	0	0	*	*	*	*	0	0	0	
Microcephalus	0†	0	0	0	0	0	*	0	0	0	0	
Other CNS anomaly	10†	0	0	0	9	*	*	*	0	0	0	
Heart malformations	70†	0	*	*	15	15	20	9	*	0	0	
Other respiratory/circulatory	110†	0	*	6	28	32	27	7	*	0	0	
Rectal atresia/stenosis	0†	0	0	0	*	*	*	*	0	0	0	
Fistula/esophageal atresia	0†	0	0	0	0	*	*	0	0	0	0	
Omphalocele/gastroschisis	20†	0	*	*	10	*	*	0	0	0	0	
Other gastrointestinal	20†	0	*	0	6	*	*	0	*	0	0	
Malformed genitalia	10†	0	0	0	*	*	0	*	0	0	0	
Renal agenesis	0†	0	0	0	*	*	0	*	0	0	0	
Other urogenital	40†	0	*	*	15	11	8	*	*	0	0	

TABLE 1B-34 (continued)  
**SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2012**

	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	*	*	18	19	10	6	*	0	0	0
Polydactyl/syndactyl/adactyl	20†	0	0	0	6	7	*	*	*	0	0	0
Club foot	50†	0	*	*	14	14	9	*	*	0	0	0
Diaphragmatic hernia	0†	0	0	0	0	*	*	0	0	0	0	0
Other muscoskeletal	30†	0	*	*	*	10	*	*	*	0	0	0
Down syndrome	40†	0	0	*	6	*	15	8	7	*	0	0
Other chromosomal	30†	0	0	*	10	*	11	*	*	0	0	0
Other	250†	0	8	13	70	56	65	27	10	0	0	0
<b>Total</b>	<b>27,159</b>	<b>26</b>	<b>835</b>	<b>1,945</b>	<b>7,037</b>	<b>7,560</b>	<b>6,111</b>	<b>2,844</b>	<b>753</b>	<b>48</b>	<b>*</b>	<b>*</b>
<b>Births with complications of labor</b>												
Febrile	1,460†	*	69	154	455	427	247	88	18	0	0	0
Meconium	4,720†	7	169	363	1,218	1,349	1,018	486	101	*	0	0
Rupture of membrane	1,510†	*	56	124	379	414	335	144	54	*	0	0
Abruption placenta	410†	0	8	39	92	114	88	50	18	*	0	0
Placenta previa	290†	0	*	*	44	85	82	57	17	0	0	0
Other bleeding	310†	*	15	29	78	88	62	30	9	0	0	0
Seizures	20†	0	*	*	*	6	*	0	0	0	0	0
Precipitous labor	1,110†	*	22	47	251	308	309	127	45	*	0	0
Prolonged labor	500†	0	18	40	136	139	112	44	6	*	0	0
Dysfunctional labor	1,470†	0	56	128	442	398	269	133	33	6	0	0
Breech malpresentation	2,650†	0	50	139	522	757	683	361	123	12	0	0
Cephalopelvic disproportion	300†	*	9	21	91	88	62	20	*	0	0	0
Cord prolapse	90†	0	0	*	20	22	26	11	6	*	0	0
Anesthetic complications	30†	0	0	*	7	8	6	*	*	0	0	0
Fetal distress	6,169	6	166	389	1,496	1,735	1,499	694	168	16	0	0
Other	14,371	11	486	1,128	4,026	3,884	3,033	1,412	375	16	0	0

Notes: \* Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; † "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, 2012**

	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
	<b>Total</b>	85,725	43,905	41,820	38,670	19,854	18,816	33,146	16,974	16,172	4,715	2,379	2,336	5,569	2,811	2,758	3,625	1,887
<b>Births with congenital anomalies</b>	679	372	307	295	159	136	269	149	120	33	15	18	52	30	22	30	19	11
<b>Anencephalus</b>	10†	*	8	0†	*	*	10†	0	*	0	0	0	0†	0	*	0†	0	*
<b>Spina bifida/meningocele</b>	10†	*	*	0†	*	*	0†	0	*	0	0	0	0†	*	0	0	0	0
<b>Hydrocephalus</b>	10†	7	*	10†	*	*	0†	0	*	0	0	0	0†	*	0	0	0	0
<b>Microcephalus</b>	0†	0	*	0†	0	*	0	0	0	0	0	0	0	0	0	0	0	0
<b>Other CNS anomaly</b>	13	6	7	0†	0	*	10†	*	*	0†	0	*	0†	*	0	0	0	0
<b>Heart malformations</b>	69	26	43	31	9	22	27	14	13	10†	*	6	0†	*	*	0†	*	*
<b>Other respiratory/circulatory anomalies</b>	105	63	42	31	18	13	54	37	17	10†	*	*	10†	*	7	10†	*	*
<b>Rectal atresia/stenosis</b>	0†	*	*	0†	*	*	0	0	0	0	0	0	0	0	0	0	0	0
<b>Tracheo-esophageal fistula/esophageal atresia</b>	0†	*	0	0†	*	0	0	0	0	0†	*	0	0	0	0	0	0	0
<b>Omphalocele/gastroschisis</b>	21	11	10	10†	*	*	10†	*	*	0†	0	*	0†	*	*	0†	*	0
<b>Other gastrointestinal anomalies</b>	17	8	9	10†	*	*	10†	*	*	0†	0	*	0†	*	*	0†	*	0
<b>Malformed genitalia</b>	10†	*	*	0†	*	*	0†	*	0	0	0	0	0	0	0	0	0	0
<b>Renal agenesis</b>	0†	*	*	0†	0	*	0†	0	*	0	0	0	0†	0	*	0†	*	0
<b>Other urogenital anomalies</b>	42	26	16	17	10	7	22	14	8	0†	0	*	0†	*	0	0†	*	0
<b>Cleft lip/palate</b>	64	39	25	30	17	13	20	12	8	0†	0	*	10†	9	*	0†	*	0
<b>Polydactyly/syndactyly/adactyly</b>	20	13	7	10†	6	*	10†	*	*	0†	*	0	0†	*	0	0	0	0
<b>Club foot</b>	50	30	20	24	13	11	18	12	6	0†	*	*	0†	*	*	0†	*	0
<b>Diaphragmatic hernia</b>	0†	0	*	0†	0	*	0†	0	*	0	0	0	0	0	0	0	0	0
<b>Other musculoskeletal/integumental anomalies</b>	26	11	15	10†	*	7	12	6	6	0†	0	*	0	0	0	0†	0	*
<b>Down syndrome</b>	44	23	21	20	12	8	19	7	12	0	0	0	0†	*	0	0†	*	*
<b>Other chromosomal anomalies</b>	30	12	18	15	6	9	10†	6	*	0†	0	*	0	0	0	0†	0	*
<b>Other congenital anomalies</b>	249	138	111	109	62	47	97	53	44	12	6	6	19	9	10	10†	8	*
<b>Ratio per 100 births<sup>a</sup></b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>0.7</b>	<b>0.7</b>	<b>0.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>0.8</b>	<b>0.8</b>	<b>1.0</b>	<b>0.6</b>

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; <sup>a</sup> For denominators see Table 5B-8.





## **1C.**

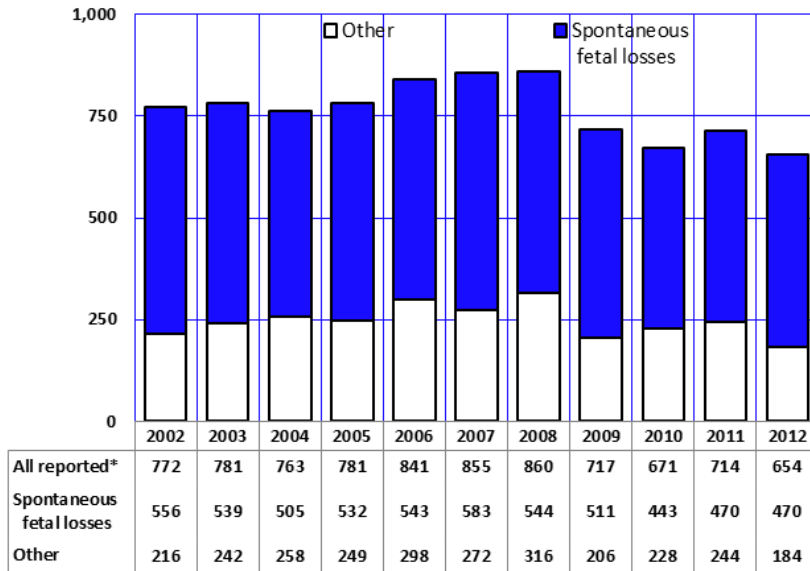
### **FETAL, PERINATAL, AND MATERNAL DEATHS**

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In Arizona, reportable fetal deaths are those after 20 completed weeks of gestation or, if the gestational period is unknown, the fetal death certificate should be filed 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, 2002-2012**

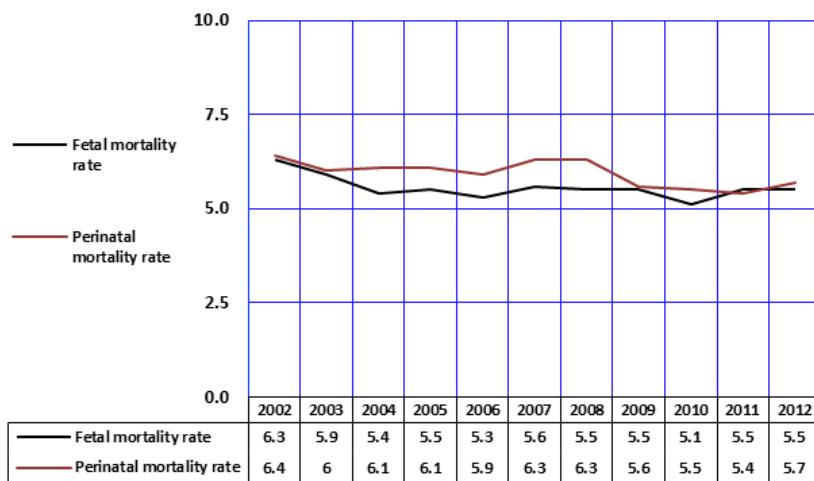


Note: All reported includes spontaneous and induced termination of pregnancy at 20 or more weeks of gestation (or if gestational age unknown, the deaths of fetuses of at least 350 grams or more) and some stillbirths prior to 20 weeks and of any weight.

The practice of including spontaneous or induced terminations of pregnancy prior to 20 weeks of gestation and/or of any weight that began in 1997 brought a rather substantial increase in the number of annually reported fetal deaths in Arizona from 483 in 1996 to 637 in 1997.

The number of all reported fetal deaths in Arizona (including late term abortions) in 2012 was 654 compared to 860 in 2008 (**Figure 1C-1, Table 1C-3**). The annual number of reportable spontaneous fetal losses decreased by 19.4 percent from 583 in 2007 to 470 in 2012 (**Figure 1C-1, Table 1C-3**).

**Figure 1C-2**  
**Fetal<sup>a</sup> and Perinatal<sup>b</sup> Mortality Rates, Arizona, 2002 – 2012**



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 increased slightly from 5.4/1,000 in 2011 to 5.7/1,000 in 2012 (**Figure 1C-2, Table 1C-3**).

Early infant deaths accounted for 266 or 54.6 percent of the 487 perinatal deaths in 2012 (**Figure 1C-2, Table 1C-3**).

The fetal mortality rate of 5.5 fetal deaths at 20 or more weeks of gestation per 1,000 live births in 2012 was similar to rates reported from 2004 to 2011, while the actual number of reportable spontaneous fetal losses was lower than the numbers reported from 2002 – 2009. The number of spontaneous fetal losses in 2011 and 2012 (n = 470) was 6.1 percent greater than the 443 spontaneous fetal losses reported in 2010.

Notes: <sup>a</sup>Rate is the number of events per 1,000 live births and fetal deaths. <sup>b</sup> 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.

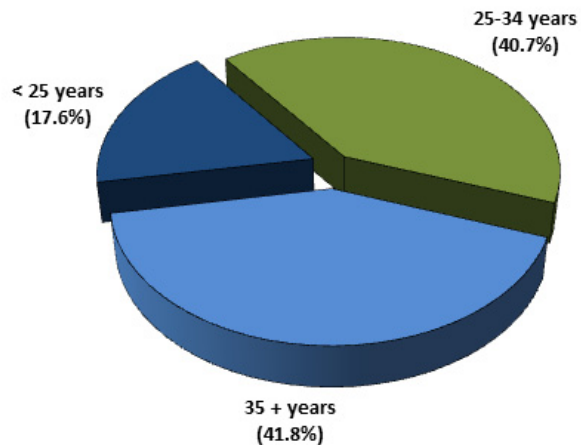


## 1C. FETAL, PERINATAL, AND MATERNAL DEATHS

**Figure 1C-3**  
**Percent of Death from Maternal Causes by Mother's Age Group, Arizona, 2002 - 2012**

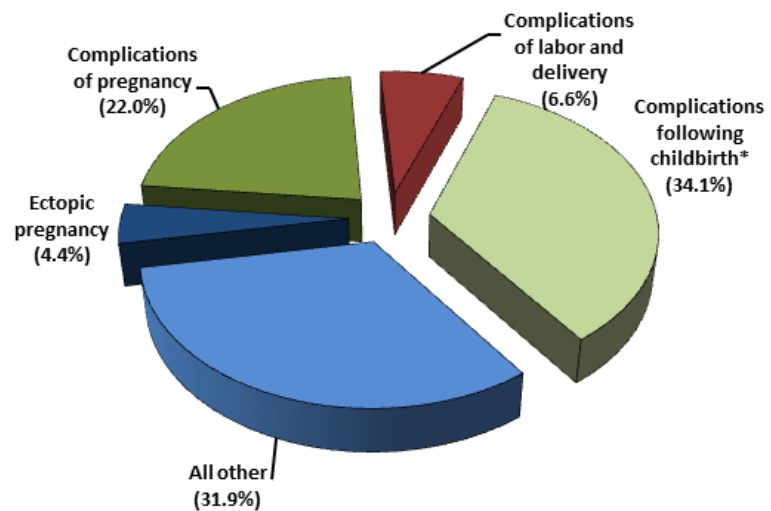
In 2012, 18 women giving birth were reported to have died from maternal causes (**Table 1C-1**). The number of maternal deaths does not include all deaths occurring to pregnant women, but only those deaths assigned to causes related to or aggravated by pregnancy or pregnancy management.

Based on the total number of 91 maternal deaths from 2002 to 2012, women age 35 and greater had the highest proportional contribution to maternal mortality (41.8 percent), followed by women age 25 - 34 (40.7 percent), and women age 24 and younger (17.6 percent; **Figure 1C-3**).



**Figure 1C-4**  
**Causes of Maternal Mortality<sup>a</sup>, Arizona, 2002 - 2012**

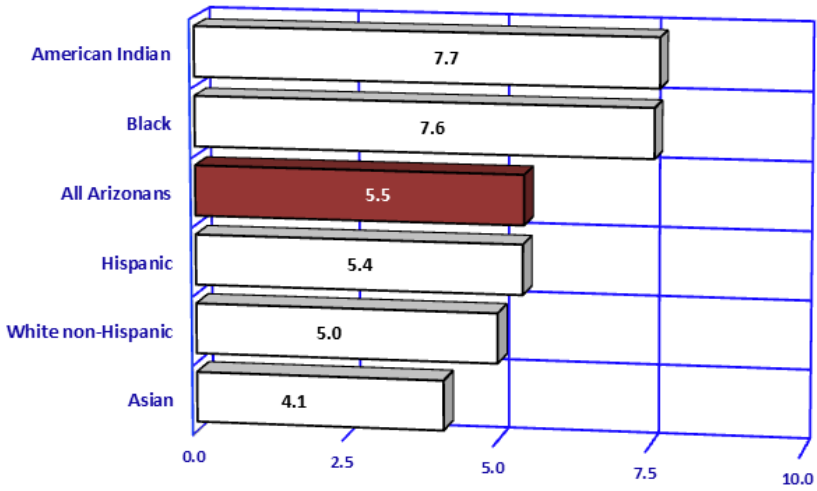
In the eleven-year period from 2002 to 2012, the major causes of maternal deaths in the State have included complications following childbirth (i.e. complications of the puerperium; 34.1 percent), complications mainly related to pregnancy (22.0 percent), complications occurring in the course of labor and delivery (6.6 percent), and ectopic pregnancy (4.4 percent). All other possible causes of maternal death accounted for 31.9 percent of the maternal deaths from 2002 to 2012 (**Figure 1C-4, Table 1C-2**).



Notes: <sup>a</sup> Based on the total number of maternal deaths from 2002 to 2012; \* Complications of the puerperium.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

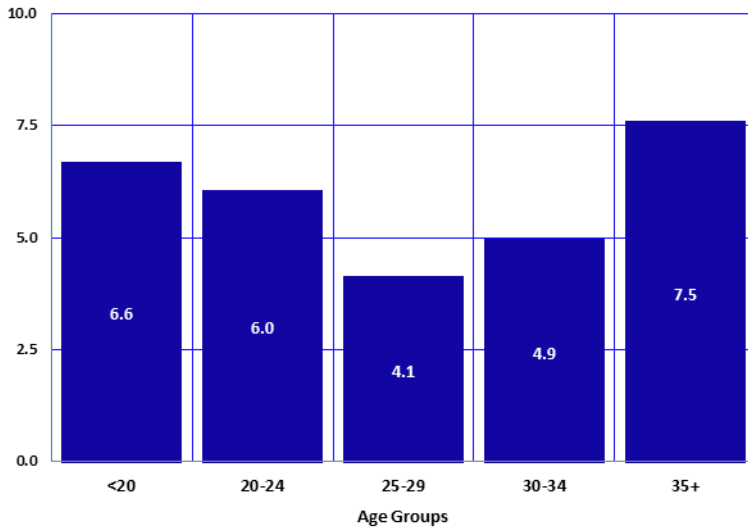
**Figure 1C-5**  
Fetal Mortality Rates<sup>a</sup> by Race/Ethnicity, Arizona, 2012



Fetal mortality rates vary by the race/ethnicity of the mother (**Figure 1C-5**). The fetal mortality rate for American Indian women was 7.7/1,000 live births and fetal deaths, the highest rate among the racial/ethnic groups. The 2012 fetal mortality rate was 7.6 for Black or African American women, 5.4 for Hispanic or Latino women, 5.0 for White non-Hispanic women, and 4.1 for Asian women. In 2011, Asian women had the highest fetal mortality rate in the state at 7.6/1,000 live births and fetal deaths. Given the low number of overall fetal mortality and the updated method of estimating the 2012 population denominators, this shift should be interpreted cautiously.

Note: <sup>a</sup> Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

**Figure 1C-6**  
Fetal Mortality Rates<sup>a</sup> by Mother's Age Group, Arizona, 2012



Fetal mortality rates also vary by maternal age (**Figure 1C-6**). In 2012, fetal mortality rates were lowest for women aged 25-29 years and highest for those aged 35 years and older. The fetal mortality rate for mothers age 35 and older increased by 8.7 percent from 2011.

Note: <sup>a</sup> Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

**TABLE 1C-1  
MATERNAL DEATHS<sup>a</sup> BY AGE GROUP AND YEAR, ARIZONA, 2002-2012**

Year	Total maternal deaths	Under <15	15-19	20-24	25-29	30-34	35-39	40-44	45+
2002	10†	0	0	*	*	*	*	0	0
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	*	*	*	*	*

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; <sup>a</sup> 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, 2002-2012**

Cause of death (ICD-9/ICD-10 codes)	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>PREGNANCY WITH ABORTIVE OUTCOME (630-636/O00-O07)</b>	0	0	0	*	*	*	*	0	0	0	0
Ectopic pregnancy (633/O00)	0	0	0	*	*	*	*	0	0	0	0
<b>COMPLICATIONS MAINLY RELATED TO PREGNANCY (640-648/O10-O16)</b>	*	*	0	0	0	*	*	*	*	*	*
<b>COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (660-669/O60-O75)</b>	*	0	*	0	*	0	*	*	0	0	0
<b>COMPLICATIONS OF THE PUERPERIUM<sup>a</sup> (670-676/O85-O92)</b>	*	*	0	*	*	*	*	*	*	*	7
<b>ALL OTHER</b>	*	*	*	*	*	*	*	0	*	*	8
<b>TOTAL</b>	10†	10†	0†	10†	10†	10†	10†	10†	10†	10†	20†

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; <sup>a</sup> 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, 2002-2012**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>NUMBER OF ALL REPORTED FETAL DEATHS</b> 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.	772	781	763	781	841	855	860	717	671	714	654
<b>NUMBER OF REPORTABLE FETAL DEATHS</b> 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)	639	628	581	597	690	729	724	621	581	619	588
<b>NUMBER OF REPORTABLE SPONTANEOUS FETAL LOSSES</b> 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	556	539	505	532	543	583	544	511	443	470	470
<b>RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES<sup>a</sup></b>	<b>6.3</b>	<b>5.9</b>	<b>5.4</b>	<b>5.5</b>	<b>5.3</b>	<b>5.6</b>	<b>5.5</b>	<b>5.5</b>	<b>5.1</b>	<b>5.5</b>	<b>5.5</b>
<b>NUMBER OF PERINATAL DEATHS:</b>	562	550	590	588	599	649	632	524	483	465	487
Spontaneous fetal losses of 28 or more weeks of gestation	278	252	271	266	259	290	293	243	214	216	221
Infant deaths of less than 7 days	284	298	319	322	340	359	339	281	269	249	266
<b>PERINATAL DEATH RATE<sup>b</sup></b>	<b>6.4</b>	<b>6.0</b>	<b>6.1</b>	<b>6.1</b>	<b>5.9</b>	<b>6.3</b>	<b>6.3</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>5.7</b>

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

**TABLE 1C-4  
SELECTED CHARACTERISTICS OF REPORTABLE SPONTANEOUS<sup>a</sup> FETAL LOSSES BY YEAR, ARIZONA, 2002-2012**

Characteristic	Year										
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Total reportable spontaneous fetal losses</b>	556	539	505	532	543	583	544	511	443	470	470
<b>Gender</b>											
Male	299	296	231	262	286	300	295	262	229	218	239
Female	253	240	270	268	252	277	246	244	208	245	222
Unknown	*	*	*	*	*	*	*	*	6	7	9
<b>Mother's race/ethnicity</b>											
White non-Hispanic	212	199	210	208	210	215	198	197	156	192	195
Hispanic or Latino	256	246	214	232	244	267	234	204	198	181	181
Black or African American	35	41	30	33	39	44	44	52	39	27	36
American Indian or Alaska Native	37	41	31	45	38	39	47	46	30	43	43
Asian or Pacific Islander	12	8	17	11	10	17	19	11	17	27	15
Unknown	*	*	*	*	*	*	*	*	*	0	0
<b>Mother's age group</b>											
<15	*	*	*	0	*	*	*	0	*	0	*
15-17	24	31	25	29	31	38	22	26	18	14	16
18-19	40	55	50	44	49	46	49	40	33	35	37
20-24	146	134	130	141	117	152	132	111	104	117	130
25-29	129	140	106	125	138	144	141	126	114	111	100
30-34	111	93	105	112	98	99	113	105	74	114	98
35-39	69	62	67	58	73	81	63	76	75	56	58
40-44	27	17	17	17	26	15	18	24	20	22	27
45+	*	*	*	*	*	*	*	*	*	*	*
Unknown	*	*	*	*	*	*	*	*	*	0	*
<b>Gestational age<sup>b</sup></b>											
20-27 weeks	277	285	254	263	284	292	250	264	227	255	248
28+ weeks	278	252	249	266	259	290	293	243	214	215	221
Unknown	*	*	*	*	0	*	*	*	*	0	*
<b>Weight in grams</b>											
<350 grams	98	90	83	95	101	96	63	110	105	96	119
350-499	78	95	83	79	106	83	54	69	66	80	68
500-2,500	221	243	219	225	223	264	253	219	173	193	179
2,501-3,999	115	86	84	102	88	108	103	89	74	80	87
4,000+	15	12	21	13	13	19	9	13	20	11	14
Unknown	29	13	15	18	12	13	62	11	*	10	*

Notes: \* Cell suppressed due to non-zero count less than 6;<sup>a</sup> Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes induced terminations of pregnancy;<sup>b</sup> 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

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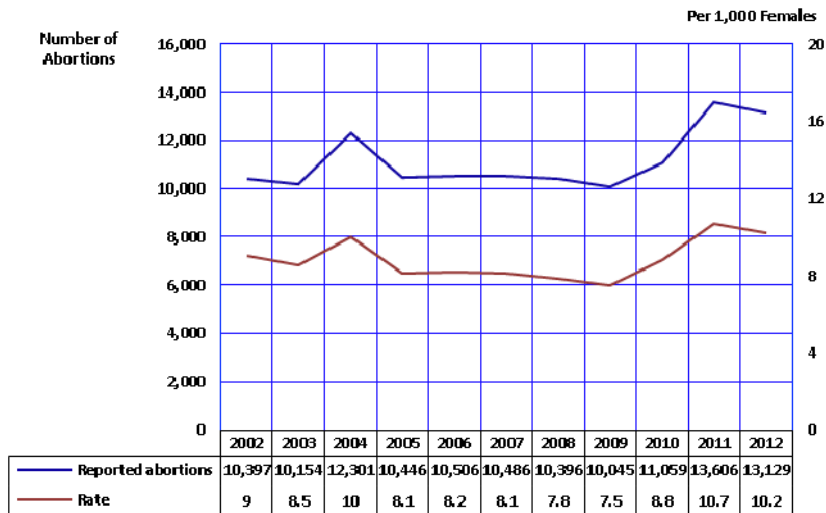
In July 1976, the Arizona Department of Health Services (ADHS) began an Abortion Surveillance Program (*Arizona Administrative Code, R9-19-302D*, as authorized by the *Arizona Revised Statute 36-344*). The program required the reporting of induced terminations of pregnancy performed in hospitals, outpatient 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. The 2012 abortion report is available for download at: <http://azdhs.gov/diro/reports/pdf/2012-arizona-abortion-report.pdf>.

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 2012, 34.6 percent (n = 4,618) of abortion records had race and ethnicity identified as unknown, and 22.7 percent (n = 2,985) 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<sup>a</sup> by Year,**  
**Arizona Residents, 2002-2012**



In calendar year 2012, the Arizona Department of Health Services received 13,129 reports of abortions obtained by Arizona residents, 477 more than the 13,606 reported in 2011 (**Figure 1-D1, Table 1D-1**).

There were 13,072 abortions in non-hospital clinics (**Table 1D-1**). Hospitals accounted for 54 abortion procedures, with three procedures having facility information missing.

Six out of ten (64.3 percent) resident women who reported having an abortion in 2012 had the procedure for the first time. Eighty-nine percent of all reported abortions occurred before 13 weeks of pregnancy. Few reported abortions occurred after 14 or more weeks of gestation: 8.4 percent at 14 weeks or more (percentages based on data in **Table 1D-3**).

Notes: <sup>a</sup> 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, 2002-2012**



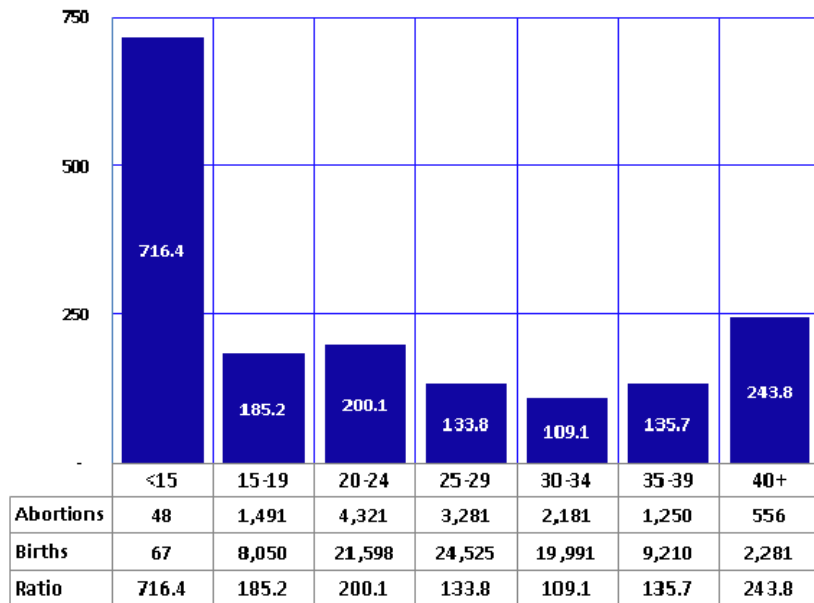
The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 decreased from 10.7 in 2010 to 10.2 in 2012 (**Table 1D-1**). The relative stability in the abortion ratios and rates from 2011 to 2012, when compared to 2010 to 2011, reflects that the new reporting abortion requirements were implemented mid-year in 2010, but were in place fully for years 2011 and 2012.

The trends in the proportion of abortions conducted through surgical and non-surgical means from 2002 to 2012 are interesting. In 2002, 83.0 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 68.0 percent of all abortion procedures conducted in 2012 being surgical procedures.



1D. ABORTIONS

**Figure 1D-3**  
**Abortion Ratios<sup>a</sup> by Age Group, Arizona Residents, 2012**

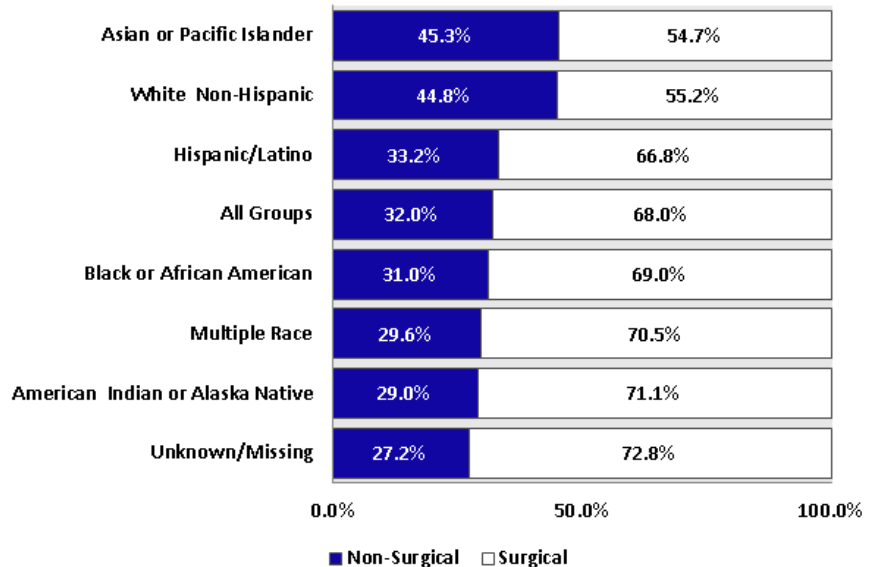


Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age at reported termination of pregnancy. Ratios tend to be higher at the extremes of the age distribution of the childbearing period, i.e. among women under 15 and those aged 40 years or older (**Figure-1D-3**).

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

Notes: <sup>a</sup> Number of reported abortions per 1,000 live births in specified group.

**Figure 1D-4**  
**Proportional Contribution of Non-Surgical<sup>a</sup> and Surgical Abortions by Race/Ethnicity, Arizona Residents, 2012**



In 2012, non-surgical (also called “medical”) abortions made up 32.0 percent of all procedures reported in Arizona. Among Asians, White non-Hispanics, and Hispanic or Latinos, the proportion of non-surgical abortions exceeded the average for all groups (**Figure 1D-4**). The ratios of non-surgical abortions among Black or African American women, women reporting 2 or more racial/ethnic categories, American Indians, and records where race/ethnicity was reported as unknown or missing were the lowest among race/ethnic groups.

Notes: <sup>a</sup> 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, 2002-2012**

Characteristics	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>ABORTIONS PERFORMED IN ARIZONA</b>	10,677	10,316	12,690	10,723	10,836	10,721	10,660	10,271	11,438	14,401	13,340
<b>RESIDENT ABORTIONS</b>	10,397	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129
<b>RACE/ETHNICITY</b>											
White non-Hispanic	4,909	4,887	5,276	4,431	5,106	5,202	4,737	4,759	5,241	2,385	1,904
Hispanic or Latino	3,566	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	4,274	3,393
Black or African American	556	495	723	585	581	675	744	736	476	145	116
American Indian	285	357	341	353	342	310	297	300	218	48	38
Asian or other Pacific Islander	273	272	444	379	391	454	412	390	254	47	75
Multiple race <sup>a</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,442	2,985
Unknown	808	702	1,032	1,586	926	126	1,082	557	1,448	2,265	4,618
<b>AGE</b>											
19 years and under	1,995	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	1,785	1,539
20-29 years	5,406	5,531	6,800	5,684	5,770	5,839	5,854	5,753	6,278	7,814	7,602
30 years and over	2,475	2,431	2,939	2,436	2,702	2,652	2,403	2,532	3,113	4,007	3,987
Not stated	521	325	342	434	115	16	326	241	156	NA	NA
<b>YEARS OF EDUCATION</b>											
Elementary/secondary (1-12)	3,029	2,444	3,321	1,435	6,226	9,293	6,964	5,244	4,316	4,757	3,615
College (1-4 or 5+)	2,156	1,889	2,726	1,330	1,415	1,193	2,565	3,372	3,199	2,252	2,518
Not stated or unknown	5,212	5,821	6,254	7,681	2,865	0	867	1,429	3,544	6,597	6,996
<b>WEEKS OF GESTATION</b>											
12 weeks or under	8,471	8,093	10,678	8,558	9,470	9,498	9,175	9,238	9,967	12,156	11,677
13 weeks or over	1,147	998	1,224	1,068	948	974	916	597	948	1,427	1,432
Not stated or unknown	779	1,063	399	820	88	14	305	210	144	23	20
<b>FACILITY</b>											
Clinic	9,485	9,158	12,281	10,442	10,560	10,486	10,391	9,362	9,689	14,358	13,072
Hospital	*	*	0	0	0	0	0	0	0	16	42
Other	911	995	20	*	0	0	*	683	<sup>d</sup> 1,354	0	*

**TABLE 1D-1 (continued)  
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2002-2012**

Characteristics	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>PREVIOUS LIVE BIRTHS</b>											
None	4,508	4,446	5,215	4,593	4,798	4,517	4,441	4,377	4,867	5,820	5,829
One or more	5,889	5,708	7,086	5,853	5,708	5,969	5,955	5,668	6,178	7,772	7,280
<b>PREVIOUS ABORTIONS</b>											
None	6,561	6,606	7,778	6,453	6,390	6,453	6,338	5,874	6,746	8,382	8,445
One or more	3,846	3,548	4,523	3,993	4,116	4,033	4,058	4,171	4,282	5,183	4,616
<b>PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY</b>											
None	9,494	8,780	10,454	8,916	8,864	8,807	8,756	8,424	9,300	11,257	10,941
One or more	903	1,374	1,847	1,530	1,642	1,679	1,640	1,621	1,643	2,301	2,108
<b>NONSURGICAL ABORTIONS</b>											
	1,768	2,435	3,572	3,078	3,088	3,761	3,993	5,018	4,983	5,108	4,198
<b>ABORTION RATIO<sup>b</sup></b>											
	<b>119.0</b>	<b>111.9</b>	<b>131.7</b>	<b>109.0</b>	<b>103.0</b>	<b>102.1</b>	<b>104.8</b>	<b>108.5</b>	<b>127.0</b>	<b>159.7</b>	<b>153.0</b>
<b>ABORTION RATE<sup>c</sup></b>											
	<b>9.0</b>	<b>8.5</b>	<b>10.0</b>	<b>8.1</b>	<b>8.2</b>	<b>8.1</b>	<b>7.8</b>	<b>7.5</b>	<b>8.8</b>	<b>10.7</b>	<b>10.2</b>

Notes: \*Cell suppressed due to count less than 6; <sup>a</sup> Multiple race data was not available for previous years (2001-2010); <sup>b</sup> Number of abortions per 1,000 women giving birth; <sup>c</sup> Number of abortions per 1,000 women of childbearing age (15 - 44 years old); <sup>d</sup> Outpatient Surgical Centers in 2010.

**TABLE 1D-2  
PROPORTION, RATES, AND RATIOS<sup>a</sup> OF ABORTIONS BY RACE/ETHNICITY PER YEAR, ARIZONA, 2002-2012**

Race and Ethnicity	Year										
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>e</sup>
<b>Percent of Abortions<sup>b</sup></b>											
White non-Hispanic	47.22	48.13	42.89	42.42	48.6	49.61	45.57	47.38	47.39	17.53	14.5
Hispanic or Latino	34.3	33.89	36.46	29.79	30.08	35.47	30.05	32.88	30.94	31.41	25.86
Black or African American	5.35	4.87	5.88	5.6	5.53	6.44	7.16	7.33	4.3	1.07	0.87
American Indian	2.74	3.52	2.77	3.38	3.26	2.96	2.86	2.99	1.97	0.35	0.29
Asian or Pacific Islander	2.63	2.68	3.61	3.63	3.72	4.33	3.96	3.88	2.3	0.35	0.58
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22.74
Unknown	7.77	6.91	8.39	15.18	8.81	1.2	10.41	5.55	13.09	16.65	35.17
<b>Abortion Rates<sup>c</sup></b>											
White non-Hispanic	7.1	6.9	7.7	5.7	7.21	7.3	6.45	6.38	8.21	3.67	2.87
Hispanic or Latino	10.9	10.2	12.9	8.6	8.1	9.2	7.59	7.96	8.05	9.95	7.62
Black or African American	14.5	11.8	17.7	13	10.27	12.7	13.81	13.34	8.45	2.48	1.97
American Indian	4.4	5.1	5.1	5.1	4.38	3.8	3.6	3.59	3.2	0.58	0.55
Asian or Pacific Islander	N/A	8.3	14.7	11.3	9.27	10.4	9.31	8.73	5.24	0.92	1.57
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Abortion Ratio<sup>d</sup></b>											
White non-Hispanic	127	126	134	112	119	123	113	115	135	62	49
Hispanic or Latino	99	88	110	74	70	81	73	86	100	129	102
Black or African American	202	164	225	170	150	162	173	168	110	33	24
American Indian	51	61	56	56	54	48	47	49	38	44	7
Asian or Pacific Islander	120	108	170	135	125	133	120	115	77	8	21
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes: <sup>a</sup> Number of resident abortions performed in Arizona per 1,000 resident live births in specified race/ethnicity group; <sup>b</sup> 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. Percentages do not add up to a 100 due to rounding errors, multiple race and unknown ethnicity/race categories; <sup>c</sup> 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; <sup>d</sup> 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; <sup>e</sup> 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, 2012**

Age	Gestational Age <sup>a</sup>					
	≤13 weeks		14 to 20 weeks		≥21 or more weeks	
	Count	Percent	Count	Percent	Count	Percent
<15 yrs	38	79.2	8	16.7	*	N/A
15-19 yrs	1,314	88.2	151	10.1	25	1.7
20-24 yrs	3,968	92.0	307	7.1	38	0.9
25-29 yrs	3,014	92.0	233	7.1	28	0.9
30-34 yrs	2,007	92.1	154	7.1	18	0.8
35-39 yrs	1,157	92.6	82	6.6	11	0.9
≥40 yrs	512	92.6	39	7.1	*	N/A
<b>Totals</b>	<b>12,010</b>	<b>91.60</b>	<b>974</b>	<b>7.40</b>	<b>120†</b>	<b>1.0</b>

Notes: \* Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; <sup>a</sup> Totals do not add to 13,129 due to 20 unknown and 1 missing gestational age.

**TABLE 1D-4  
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2012**

Week of gestation	Total	Race/ethnicity						Multiple race	Unknown race
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander			
<b>Total</b>	13,129	1,900†	3,393	120†	40†	80†	2,990†	4,618	
<b>6 weeks or less</b>	4,130	671	970	23	7	32	852	1,575	
<b>7</b>	2,605	397	688	24	6	12	577	901	
<b>8</b>	1,900†	331	522	26	*	15	452	554	
<b>9</b>	1,200†	138	325	12	*	*	338	373	
<b>10</b>	800†	104	242	10	*	*	184	250	
<b>11</b>	690†	96	180	*	*	*	185	220	
<b>12</b>	360†	27	87	*	*	*	82	158	
<b>13</b>	330†	29	93	*	*	0	86	120	
<b>14</b>	260†	25	76	*	*	*	49	104	
<b>15</b>	220†	29	58	*	*	*	37	90	
<b>16</b>	133	14	26	0	0	0	32	61	
<b>17</b>	130†	8	28	*	0	0	24	67	
<b>18</b>	100†	13	21	*	*	0	21	43	
<b>19</b>	70†	9	13	0	0	*	16	30	
<b>20</b>	60†	*	24	*	*	0	14	20	
<b>21+</b>	120†	12	32	*	0	*	32	44	
<b>Unknown</b>	20†	0	8	0	0	0	*	8	

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, 2012**

Maternal characteristics	Count (n = 85)	Percent	Maternal characteristics		Count (n = 34)	Percent
			Age	Age		
<b>Age</b>						
≤15-19 yrs	*	N/A	≤15-19 yrs	*	N/A	N/A
20-24 yrs	7	8.2	20-24 yrs	11	32.4	32.4
25-29 yrs	16	18.8	25-29 yrs	9	26.5	26.5
30-34 yrs	29	34.1	30-34 yrs	8	23.5	23.5
35-44 yrs	29	34.1	35-44 yrs	*	N/A	N/A
<b>Gestational age</b>			<b>Gestational age</b>			
≤ 13 weeks	9	10.6	≤13 weeks	10	29.4	29.4
14 to 20 weeks	59	69.4	14 to 20 weeks	18	52.9	52.9
≥ 21 weeks	17	20.0	21 weeks	*	N/A	N/A
			Unknown	*	N/A	N/A
<b>Procedure Type</b>			<b>Procedure Type</b>			
Surgical	77	90.6	Surgical	23	67.7	67.7
Non-Surgical/Medication	8	9.4	Non-Surgical	11	32.4	32.4
<b>Facility Type</b>			<b>Facility Type</b>			
Hospital	13	15.3	Hospital	28	82.4	82.4
Clinic	72	84.7	Clinic	6	17.7	17.7
<b>Fetal Medical Conditions</b>			<b>Maternal Medical Conditions</b>			
Anhydramnios	*	N/A	Anatomical Abnormality	*	N/A	N/A
Brain or CNS Abnormality	8	9.4	Chorionic Abruption	*	N/A	N/A
Cardiac Defect	6	7.1	Chorioamnionitis	*	N/A	N/A
Cystic Hygroma	8	9.4	Ectopic Pregnancy	*	N/A	N/A
Lethal Anomalies	6	7.1	Factor V Leiden	*	N/A	N/A
Multiple Anomalies	8	9.4	Retained Product of Conception/ Incomplete Abortion/Blighted Ovum	9	26.5	26.5
Triploidy and Trisomy (13,15,18 & 21)	30	35.3	Molar/Partial Pregnancy	*	N/A	N/A
Urological abnormality	*	N/A	Premature rupture of Membranes	*	N/A	N/A
Other/Unspecified	13	15.3	Other/Unspecified	6	17.7	17.7

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