

# **CHAPTER 1**

## **REPRODUCTIVE AND PERINATAL HEALTH, ARIZONA, 2000-2010**

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





## 1A.

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

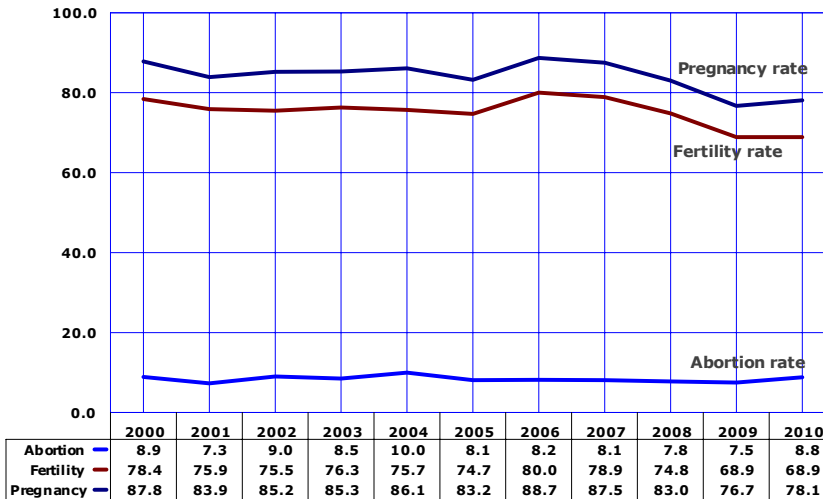
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The expression “reproductive and perinatal health” refers to a variety of health and sociodemographic characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. In this report, 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 **induced terminations of pregnancy** (or abortions; Section 1D).

There were 98,548 pregnancies in Arizona in 2010 compared to 103,172 in 2009 and 113,756 in 2007. Among the three pregnancy outcomes, the number of resident live births decreased by 15.2 percent from 102,687 in 2007 to 87,053 in 2010 (**Table 1A-1**). The number of reported abortions increased by 10.1 percent from 10,045 in 2009 to 11,059 in 2010. The number of reportable spontaneous fetal losses decreased by 13.3 percent from 511 reported in 2009 to 443 in 2010.

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

**Figure 1A-1**  
**Pregnancy Rates by Outcome and Year among Females of all Ages, Arizona, 2000-2010**



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 15-44 years old in 2009 to 78.1/1,000 in 2010 (**Figure 1A-1, Table 1A-1**).

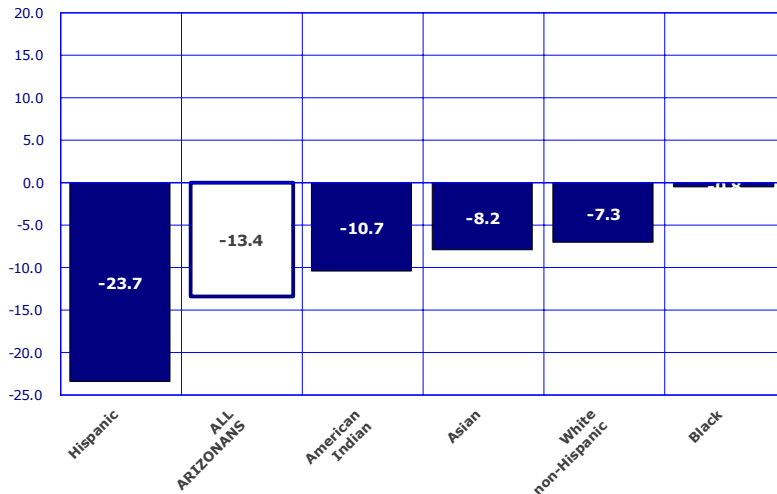
The fertility rate (the number of births per 1,000 women of childbearing age) remained unchanged from 2009 at 68.9/1,000.

The abortion rate (the number of abortions per 1,000 women of childbearing age) increased by 17.3 percent from 7.5 abortions per 1,000 women aged 15-44 years in 2009 to 8.8/1,000 in 2010.

It is important to note that the number of females aged 15-44 years was lower in 2010 (1,262,557; based on the 2010 census enumerations), compared to the 2009 estimate of 1,344,836.

Note: All rates are per 1,000 females 15-44 years old. The fertility rate is the number of births per 1,000 females aged 15-44 years.

**Figure 1A-2**  
**Percent Change from 2007 to 2010 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona**



The changes in the number of pregnancies rates from 2007 to 2010 varied by woman's race/ethnicity.

Hispanic or Latino women experienced an unprecedented decrease of 23.7 from 49,717 in 2007 to 37,953 in 2010 (**Figure 1A-2, Table 1A-1**).

In contrast, the number of pregnancies declined from 2007 to 2010 by 7.3 percent among White non-Hispanic, and by a mere 0.8 percent among Black or African American women.

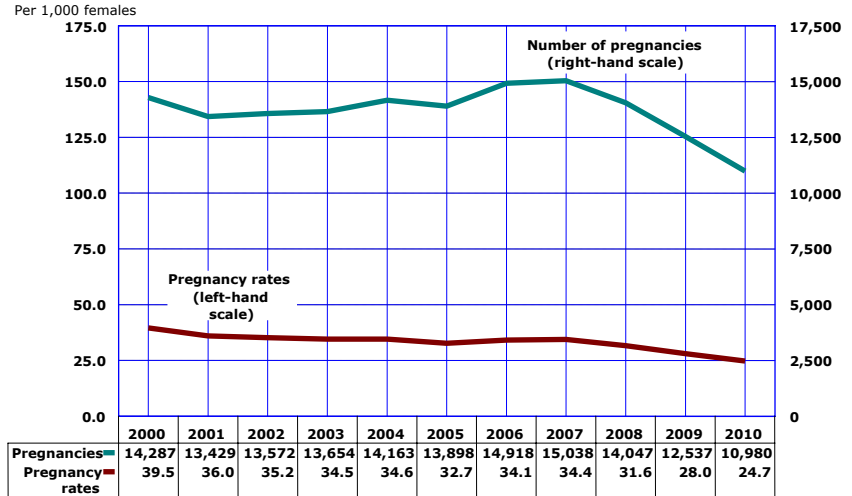
Pregnancy rate = the number of pregnancies per 1,000 females aged 15-44 years in specified race/ethnicity group.

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

**Figure 1A-3**  
Trends in the Number of Pregnancies and Pregnancy Rates among Females 19 or Younger, Arizona, 2000-2010

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 27.0 percent from 15,038 in 2007 to 10,980 in 2010 (Figure 1A-3). The teen pregnancy rate declined even more, by 28.2 percent, from 34.4 pregnancies per 1,000 females 10-19 years in 2007 to 24.7/1,000 in 2010, the lowest rate since at least 1980.

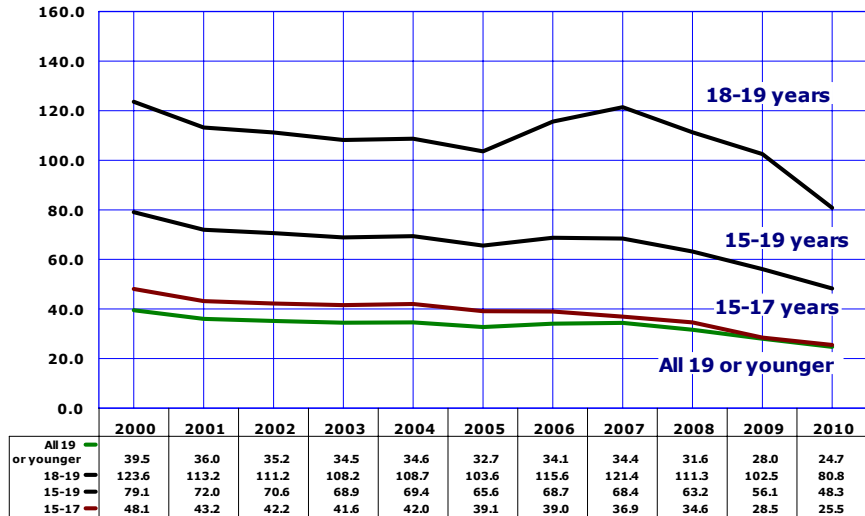


Pregnancy rate = the number of pregnancies per 1,000 females aged 19 years or younger.

**Figure 1A-4**  
Pregnancy Rates by Age Group and Year among Females 19 or Younger, Arizona, 2000-2010

The pregnancy rate for Arizona teenagers 15-19 years old in 2010 was 48.3 pregnancies per 1,000 females (Figure 1A-4, Table 5A-2), 29.4 percent lower than in 2007. The pregnancy rate for younger teenagers 15-17 years old declined by 30.9 percent (Table 1A-3) from 36.9/1,000 in 2007 to 25.5/1,000 in 2010. The pregnancy rate for older teenagers 18-19 years old declined by 33.4 percent from 121.4/1,000 in 2007 to 80.8/1,000 in 2010 (Table 1A-4).

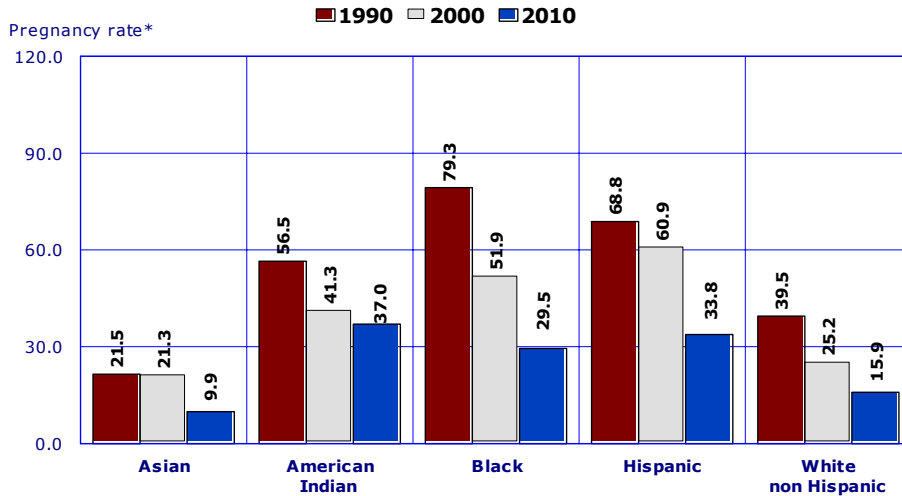
County-level information about teen pregnancies and pregnancy rates is provided in Table 5A-2, Table 5A-3 and Table 5A-5. Pregnancy statistics for Arizona are not available on a sub-county level and the information in Table 9A is limited to the number of births to mothers 19 years or younger by community.



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

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

**Figure 1A-5**  
**Comparison of Pregnancy Rates by Race/Ethnicity and Year among**  
**Females 19 or Younger in Arizona, 1990, 2000 and 2010**



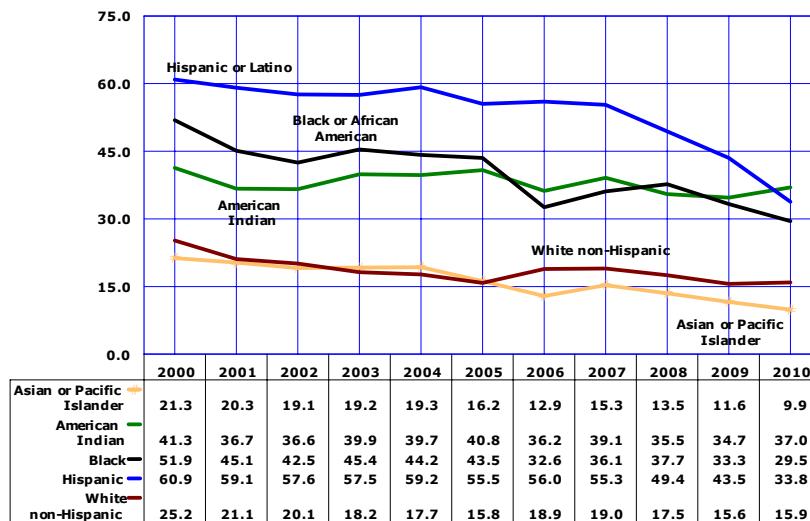
Number of pregnancies per 1,000 females 10-19 years old in specified group.

Teen pregnancy rates differ sharply by race/ethnicity.

Between 1990 and 2010, pregnancy rates among females aged 19 and younger declined for all race/ethnicity groups (Figure 1A-5). The steepest decline in pregnancy rates was recorded for Blacks or African Americans. The teen pregnancy rate for this group decreased by 62.8 percent from 79.3 in 1990 to 29.5 in 2010. White non-Hispanic females also experienced a substantial decline by 59.7 percent, from a rate of 39.5/1,000 in 1990 to 15.9/1,000 in 2010.

The changes in annual teen pregnancy rates from 2000 to 2010 are shown in detail below.

**Figure 1A-6**  
**Pregnancy Rates by Race/Ethnicity and Year among Females**  
**19 or Younger, Arizona, 2000-2010**



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

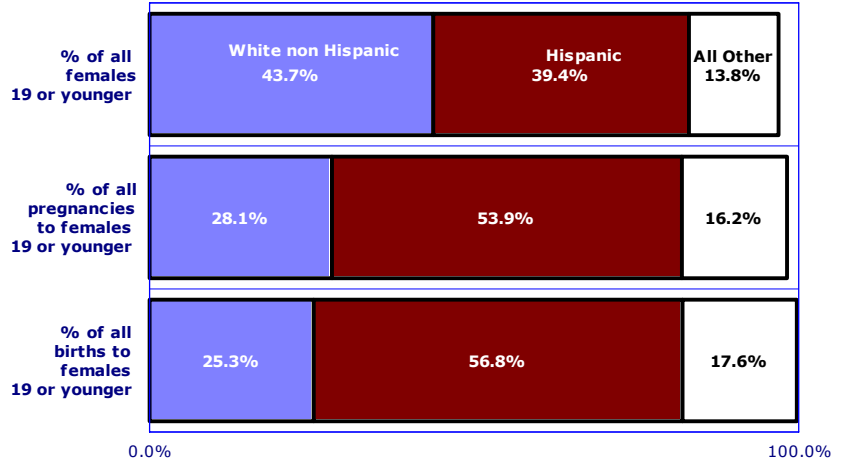
The teen pregnancy rates for all race and ethnic groups were lower in 2010 than in 2000 (Figure 1A-6).

Interestingly, the pregnancy rate of American Indian females (37.0/1,000) exceeded in 2010 the rate of Hispanic or Latino teens (33.8/1,000).

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

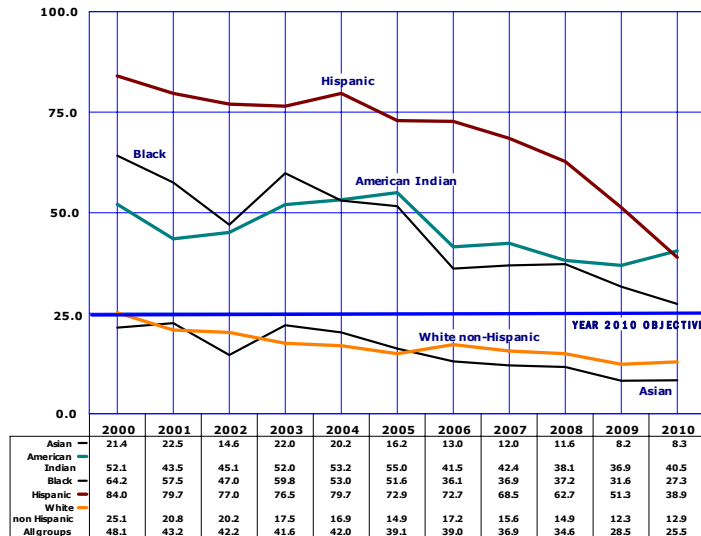
**Figure 1A-7**  
Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2010

In 2010, Hispanic females accounted for approximately 39.4 percent of all females 10-19 years old in Arizona. As in the past, they made a significantly higher proportional contribution to teen pregnancies (53.9 percent) and live births (56.8 percent) and live births (56.8 percent). In contrast, White non-Hispanic females had a lower proportional contribution to teen pregnancies (28.1 percent) and live births (25.3 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.



**Figure 1A-8**  
Pregnancy Rates by Race/Ethnicity and Year among Females 15-17 Years: 2000-2010 and the "Healthy Arizona 2010" Objective

In 2010, the pregnancy rate of 25.5 pregnancies per 1,000 adolescent girls 15-17 years old in Arizona was only 2.0 percent greater than the **Healthy Arizona 2010** objective of 25.0/1,000 (**Figure 1A-8, Table 1A-3**). The 2010 pregnancy rate among Asians ages 15-17 was 66.8 percent lower, and among White non-Hispanics 48.4 percent lower than the objective. In contrast, the 2010 pregnancy rates among American Indians and Hispanics 15-17 years old exceeded the target rate by 62.0 percent and 55.6 percent respectively.



Note: All rates are per 1,000 females 15-17 years old in specified race/ethnicity group.

**TABLE 1A-1  
NUMBER OF PREGNANCIES<sup>1</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR WITH RATES<sup>2</sup>, ARIZONA, 2000-2010**

Race/ethnicity Pregnancy outcome	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010 Rates
<b>WHITE<sup>3</sup> NON-HISPANIC, total:</b>	44,900	43,116	44,038	43,928	45,236	44,296	48,329	47,633	46,860	44,737	44,174	<b>69.2</b>
Births	39,850	38,934	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	<b>60.8</b>
Abortions	4,786	3,917	4,909	4,887	5,726	4,431	5,106	5,202	4,737	4,759	5,241	<b>8.2</b>
Fetal deaths	264	265	310	199	239	208	210	215	198	197	156	<b>0.2</b>
<b>HISPANIC OR LATINO, total:</b>	37,162	38,118	39,989	42,788	45,534	45,500	48,266	49,717	45,997	41,869	37,953	<b>89.3</b>
Births	33,893	35,103	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	<b>80.8</b>
Abortions	2,955	2,737	3,566	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	<b>8.0</b>
Fetal deaths	274	278	334	246	227	232	244	267	234	204	198	<b>0.5</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	3,326	3,218	3,364	3,558	3,972	4,068	4,484	4,884	5,089	5,166	4,843	<b>86.0</b>
Births	2,760	2,736	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	<b>76.9</b>
Abortions	531	450	556	495	723	585	581	675	744	736	476	<b>8.5</b>
Fetal deaths	35	32	55	41	33	33	39	44	44	52	39	<b>0.7</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	5,902	5,622	5,883	6,279	6,497	6,691	6,744	6,757	6,706	6,516	6,063	<b>88.9</b>
Births	5,602	5,340	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	<b>85.2</b>
Abortions	253	220	285	357	341	353	342	310	297	300	218	<b>3.2</b>
Fetal deaths	47	62	53	41	36	45	38	39	47	46	30	<b>0.4</b>
<b>ASIAN OR PACIFIC ISLANDER, total:</b>	2,304	2,326	2,568	2,804	3,075	3,195	3,537	3,883	3,856	3,797	3,564	<b>73.5</b>
Births	2,041	2,104	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	<b>67.9</b>
Abortions	250	207	273	272	444	379	391	454	412	390	254	<b>5.2</b>
Fetal deaths	13	15	14	8	17	11	10	17	19	11	17	<b>0.4</b>
<b>ALL RACE/ETHNIC GROUPS<sup>3</sup>, total:</b>	95,268	94,142	98,548	101,476	106,252	106,776	113,091	113,756	110,155	103,172	98,548	<b>78.1</b>
Births	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	<b>68.9</b>
Abortions	9,631	8,226	10,397	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	<b>8.8</b>
Fetal deaths	652	703	772	539	*505	532	543	583	544	511	443	<b>0.4</b>
<b>Pregnancy rate, total:</b>	<b>87.8</b>	<b>83.9</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>Fertility rate<sup>4</sup></b>	<b>78.4</b>	<b>75.9</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>Abortion rate</b>	<b>8.9</b>	<b>7.3</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>	

<sup>1</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). \*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>2</sup>All rates per 1,000 females of childbearing age (15-44 years).

<sup>3</sup>Includes other and unspecified ethnicity.

<sup>4</sup>Number of births per 1,000 females of childbearing age.



**TABLE 1A-2  
NUMBER OF PREGNANCIES<sup>1</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR AMONG FEMALES AGED 17 AND YOUNGER  
WITH RATES<sup>2</sup>, ARIZONA, 2000-2010**

Race/ethnicity Pregnancy outcome	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010 Rates
<b>WHITE<sup>3</sup> NON-HISPANIC, total:</b>	1,462	1,250	1,245	1,131	1,129	1,028	1,204	1,165	1,074	894	770	<b>5.1</b>
Births	1,078	960	847	805	764	728	871	805	784	669	553	<b>3.7</b>
Abortions	367	278	387	322	360	293	324	353	287	218	214	<b>1.4</b>
<b>HISPANIC OR LATINO, total:</b>	2,991	2,930	2,926	2,993	3,198	3,043	3,281	3,286	3,057	2,496	2,106	<b>14.9</b>
Births	2,711	2,684	2,654	2,746	2,916	2,858	3,046	3,007	2,835	2,340	1,927	<b>13.7</b>
Abortions	250	221	250	224	267	172	217	254	207	144	167	<b>1.2</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	227	240	207	256	241	247	255	268	266	221	189	<b>11.2</b>
Births	210	206	164	207	192	207	194	207	215	187	161	<b>9.5</b>
Abortions	47	31	34	46	47	37	57	55	48	31	25	<b>1.5</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	476	384	409	501	495	530	477	504	452	436	361	<b>16.6</b>
Births	425	365	392	471	473	499	449	471	430	411	345	<b>15.9</b>
Abortions	15	10	15	28	18	25	25	30	19	22	15	<b>0.7</b>
<b>ASIAN OR PACIFIC ISLANDER, total:</b>	41	44	30	47	46	39	43	43	41	30	29	<b>3.1</b>
Births	30	29	20	39	26	29	29	31	27	20	24	<b>2.6</b>
Abortions	11	15	10	8	20	10	14	12	14	9	5	<b>0.5</b>
<b>ALL RACE/ETHNIC GROUPS<sup>4</sup>, total:</b>	5,294	4,914	4,951	5,027	5,188	5,029	5,347	5,300	4,970	4,101	3,513	<b>10.0</b>
Births	4,500	4,278	4,158	4,321	4,415	4,364	4,620	4,541	4,312	3,633	3,015	<b>8.6</b>
Abortions	741	586	749	674	747	636	693	718	634	442	479	<b>1.4</b>
<b>Pregnancy rate, total:</b>	<b>18.4</b>	<b>16.5</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>Fertility rate<sup>5</sup></b>	<b>15.6</b>	<b>14.3</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>Abortion rate</b>	<b>2.6</b>	<b>2.0</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>	

<sup>1</sup>Fetal deaths are included in the total counts of pregnancies.

<sup>2</sup>All rates per 1,000 females 10-17 years old.

<sup>3</sup>Not of Hispanic origin.

<sup>4</sup>Includes other and unspecified ethnicity.

<sup>5</sup>Number of births per 1,000 females 10-17 years old.

**TABLE 1A-3  
NUMBER OF PREGNANCIES<sup>1</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR AMONG FEMALES 15-17 YEARS OLD  
WITH RATES<sup>2</sup>, ARIZONA, 2000-2010**

Race/ethnicity Pregnancy outcome	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010 Rates
<b>WHITE<sup>3</sup> NON-HISPANIC, total:</b>	1,397	1,197	1,202	1,090	1,093	996	1,157	1,067	1,038	863	742	<b>12.9</b>
Births	1,040	926	824	782	747	711	852	779	769	649	541	<b>9.4</b>
Abortions	342	262	367	304	341	278	296	282	266	207	198	<b>3.4</b>
<b>HISPANIC OR LATINO, total:</b>	2,823	2,771	2,761	2,819	3,040	2,885	3,131	3,126	2,911	2,401	2,021	<b>38.9</b>
Births	2,567	2,552	2,507	2,600	2,779	2,721	2,923	2,892	2,724	2,253	1,859	<b>35.7</b>
Abortions	228	199	235	197	247	151	193	210	173	136	151	<b>2.9</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	242	224	189	247	228	234	239	242	248	212	178	<b>27.3</b>
Births	198	193	152	204	180	199	187	195	203	181	151	<b>23.1</b>
Abortions	42	28	30	40	46	32	48	42	43	28	24	<b>3.7</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	421	363	388	461	473	505	457	470	428	419	345	<b>40.5</b>
Births	405	348	374	434	452	478	430	445	408	394	331	<b>38.8</b>
Abortions	13	7	12	25	17	21	24	22	17	22	13	<b>1.5</b>
<b>ASIAN OR PACIFIC ISLANDER, total:</b>	40	44	29	45	44	38	39	39	38	27	28	<b>8.3</b>
Births	29	29	19	38	25	28	28	31	26	18	23	<b>6.8</b>
Abortions	11	15	10	7	19	10	11	8	12	1	5	<b>1.5</b>
<b>ALL RACE/ETHNIC GROUPS<sup>4</sup>, total:</b>	5,016	4,661	4,696	4,755	4,955	4,790	5,105	4,975	4,740	3,945	3,363	<b>25.5</b>
Births	4,284	4,080	3,952	4,110	4,227	4,179	4,450	4,361	4,151	3,501	2,910	<b>22.1</b>
Abortions	684	540	705	614	703	582	624	576	567	418	435	<b>3.3</b>
<b>Pregnancy rate, total:</b>	<b>48.1</b>	<b>43.2</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>Fertility rate<sup>5</sup></b>	<b>41.1</b>	<b>37.8</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>Abortion rate</b>	<b>6.6</b>	<b>5.0</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>	

<sup>1</sup>Fetal deaths are included in the total counts of pregnancies.

<sup>2</sup>All rates per 1,000 females 15-17 years old.

<sup>3</sup>Not of Hispanic origin.

<sup>4</sup>Includes other and unspecified ethnicity.

<sup>5</sup>Number of births per 1,000 females 15-17 years old.

**TABLE 1A-4  
NUMBER OF PREGNANCIES<sup>1</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR AMONG FEMALES 18-19 YEARS OLD  
WITH RATES<sup>2</sup>, ARIZONA, 2000-2010**

Race/ethnicity Pregnancy outcome	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010 Rates
<b>WHITE<sup>3</sup> NON-HISPANIC, total:</b>	3,352	2,925	2,857	2,772	2,795	2,603	2,944	2,936	2,778	2,560	2,316	<b>53.9</b>
Births	2,681	2,436	2,217	2,165	2,042	2,016	2,338	2,295	2,209	2,046	1,833	<b>42.7</b>
Abortions	653	468	623	592	735	574	593	629	554	502	480	<b>11.2</b>
<b>HISPANIC OR LATINO, total:</b>	4,222	4,309	4,361	4,483	4,767	4,705	5,115	5,259	4,707	4,400	3,812	<b>112.6</b>
Births	3,837	3,964	3,931	4,046	4,222	4,330	4,692	4,775	4,333	4,001	3,421	<b>101.1</b>
Abortions	360	313	400	406	517	350	392	456	354	381	365	<b>10.8</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	433	382	398	408	430	441	476	498	546	501	446	<b>97.0</b>
Births	362	339	304	342	348	362	407	414	441	416	401	<b>87.2</b>
Abortions	68	40	84	61	78	77	67	81	95	79	42	<b>9.1</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	700	669	673	714	720	759	800	849	794	793	664	<b>111.0</b>
Births	664	648	647	670	669	705	767	814	755	759	643	<b>107.5</b>
Abortions	28	19	25	40	47	51	30	33	35	30	21	<b>3.5</b>
<b>ASIAN OR PACIFIC ISLANDER, total:</b>	96	90	100	87	102	93	89	124	108	99	88	<b>35.5</b>
Births	70	75	76	68	66	67	63	72	86	68	79	<b>31.9</b>
Abortions	26	15	24	19	36	25	26	51	22	31	9	<b>3.6</b>
<b>ALL RACE/ETHNIC GROUPS<sup>4</sup>, total:</b>	8,993	8,515	8,621	8,627	8,975	8,869	9,571	9,738	9,077	8,436	7,467	<b>80.8</b>
Births	7,689	7,512	7,316	7,379	7,448	7,569	8,296	8,431	7,849	7,319	6,401	<b>69.2</b>
Abortions	1,247	942	1,246	1,193	1,473	1,256	1,226	1,261	1,179	1,077	1,033	<b>11.2</b>
<b>Pregnancy rate, total:</b>	<b>123.6</b>	<b>113.2</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>Fertility rate<sup>5</sup></b>	<b>105.7</b>	<b>99.9</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>Abortion rate</b>	<b>17.1</b>	<b>12.5</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>	

<sup>1</sup>Fetal deaths are included in the total count of pregnancies.

<sup>2</sup>All rates per 1,000 females 18-19 years old.

<sup>3</sup>Not of Hispanic origin.

<sup>4</sup>Includes other and unspecified ethnicity.

<sup>5</sup>Number of births per 1,000 females 18-19 years old.

**TABLE 1A-5  
NUMBER OF PREGNANCIES<sup>1</sup> BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR AMONG FEMALES 19 AND YOUNGER,  
WITH RATES<sup>2</sup>, ARIZONA, 2000-2010**

Race/ethnicity Pregnancy outcome	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010 Rates
<b>WHITE<sup>3</sup> NON-HISPANIC, total:</b>	4,814	4,175	4,102	3,903	3,924	3,631	4,148	4,101	3,852	3,454	3,086	<b>15.9</b>
Births	3,759	3,396	3,064	2,970	2,806	2,744	3,209	3,100	2,993	2,715	2,386	<b>12.3</b>
Abortions	1,020	746	1,010	914	1,095	867	917	982	841	720	694	<b>3.6</b>
<b>HISPANIC OR LATINO, total:</b>	7,213	7,239	7,287	7,476	7,965	7,748	8,396	8,545	7,764	6,896	5,918	<b>33.8</b>
Births	6,548	6,648	6,585	6,792	7,138	7,188	7,738	7,782	7,168	6,341	5,348	<b>30.6</b>
Abortions	610	534	650	630	784	522	609	710	561	525	532	<b>3.0</b>
<b>BLACK OR AFRICAN AMERICAN, total:</b>	620	622	605	664	671	688	731	766	812	722	635	<b>29.5</b>
Births	572	545	468	549	540	569	601	621	656	603	562	<b>26.1</b>
Abortions	115	71	118	107	125	114	124	136	143	110	67	<b>3.1</b>
<b>AMERICAN INDIAN OR ALASKA NATIVE, total:</b>	1,216	1,053	1,082	1,215	1,215	1,289	1,277	1,353	1,246	1,229	1,025	<b>37.0</b>
Births	1,089	1,013	1,039	1,141	1,142	1,204	1,216	1,285	1,185	1,170	988	<b>35.7</b>
Abortions	43	29	40	68	65	76	55	63	54	52	36	<b>1.3</b>
<b>ASIAN OR PACIFIC ISLANDER, total:</b>	137	134	130	134	148	132	132	167	149	129	117	<b>9.9</b>
Births	100	104	96	107	92	96	92	103	113	88	103	<b>8.7</b>
Abortions	37	30	34	27	56	35	40	63	36	40	14	<b>1.2</b>
<b>ALL RACE/ETHNIC GROUPS<sup>4</sup>, total:</b>	14,287	13,429	13,572	13,654	14,163	13,898	14,918	15,038	14,047	12,537	10,980	<b>24.7</b>
Births	12,189	11,790	11,474	11,700	11,863	11,933	12,916	12,972	12,161	10,952	9,416	<b>21.2</b>
Abortions	1,988	1,528	1,995	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	<b>3.4</b>
<b>Pregnancy rate, total:</b>	<b>39.5</b>	<b>36.0</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>Fertility rate<sup>5</sup></b>	<b>33.7</b>	<b>31.6</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>Abortion rate</b>	<b>5.5</b>	<b>4.1</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>	

<sup>1</sup>Fetal deaths are included in the total counts of pregnancies.

<sup>2</sup>All rates per 1,000 females 19 or younger.

<sup>3</sup>Not of Hispanic origin.

<sup>4</sup>Includes other and unspecified ethnicity.

<sup>5</sup>Number of births per 1,000 females 19 or younger.

**TABLE 1A-6  
NUMBER OF PREGNANCIES<sup>1</sup> BY PREGNANCY OUTCOME, AGE GROUP AND RACE/ETHNICITY, ARIZONA, 2010  
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	98,555	150	3,363	7,467	25,980	27,632	21,068	10,234	2,310	183	168
Births	87,053	105	2,910	6,401	22,216	24,900	19,299	9,115	1,939	156	12
Abortions	11,059	44	435	1,033	3,660	2,618	1,695	1,044	351	23	156
Fetal deaths	443	1	18	33	104	114	74	75	20	4	0
<b>White non Hispanic</b>											
Total pregnancies	44,174	29	743	2,316	10,179	13,559	10,825	5,155	1,185	121	62
Births	38,777	13	542	1,833	8,402	12,315	10,006	4,595	969	102	0
Abortions	5,241	16	198	480	1,749	1,200	786	526	206	18	62
Fetal deaths	156	0	3	3	28	44	33	34	10	1	0
<b>Hispanic or Latino</b>											
Total pregnancies	37,953	85	2,022	3,812	11,175	9,780	6,905	3,373	711	26	64
Births	34,333	68	1,860	3,421	9,952	8,921	6,380	3,071	636	24	0
Abortions	3,422	16	151	365	1,166	814	500	278	66	2	64
Fetal deaths	198	1	11	26	57	45	25	24	9	0	0
<b>Black or African American</b>											
Total pregnancies	4,843	11	178	446	1,516	1,318	840	423	93	7	11
Births	4,328	10	151	401	1,353	1,187	761	375	84	6	0
Abortions	476	1	24	42	155	121	72	41	9	0	11
Fetal deaths	39	0	3	3	8	10	7	7	0	1	0
<b>American Indian or Alaska Native</b>											
Total pregnancies	6,063	16	345	664	2,075	1,494	917	445	96	7	4
Births	5,815	14	331	643	1,998	1,429	876	427	91	6	0
Abortions	218	2	13	21	69	54	37	14	4	0	4
Fetal deaths	30	0	1	0	8	11	4	4	1	1	0
<b>Asian or Pacific Islander</b>											
Total pregnancies	3,564	1	28	88	478	993	1,217	611	139	4	5
Births	3,293	1	23	79	420	928	1,154	562	123	3	0
Abortions	254	0	5	9	55	61	58	44	16	1	5
Fetal deaths	17	0	0	0	3	4	5	5	0	0	0
<b>Other or unknown</b>											
Total pregnancies	1,958	9	58	141	557	488	364	227	86	18	10
Births	507	0	14	24	91	120	122	85	36	15	0
Abortions	1,448	9	44	116	466	368	242	141	50	2	10
Fetal deaths	3	0	0	1	0	0	0	1	0	1	0

<sup>1</sup>The sum of recorded live births, spontaneous fetal losses and induced terminations of pregnancy (or abortions).

**TABLE 1A-7  
PREGNANCY RATES<sup>1</sup> AND NUMBER OF LIVE BIRTHS, FETAL DEATHS AND  
ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2010**

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Induced terminations of pregnancy (or abortions)	Spontaneous fetal losses	Number	Rate
<b>10</b>	45,080	0	0	0	0	<b>0.0</b>
<b>11</b>	44,176	1	0	0	1	<b>0.0</b>
<b>12</b>	43,381	1	2	0	3	<b>0.1</b>
<b>13</b>	43,657	11	7	1	19	<b>0.4</b>
<b>14</b>	43,375	92	35	0	127	<b>2.9</b>
<b>10-14</b>	219,669	105	44	1	150	<b>0.7</b>
<b>15</b>	43,491	339	70	2	411	<b>9.5</b>
<b>16</b>	44,218	937	137	10	1,084	<b>24.5</b>
<b>17</b>	44,145	1,634	228	6	1,868	<b>42.3</b>
<b>15-17</b>	131,854	2,910	435	18	3,363	<b>25.5</b>
<b>18</b>	46,009	2,647	455	12	3,114	<b>67.7</b>
<b>19</b>	46,439	3,754	578	21	4,353	<b>93.7</b>
<b>18-19</b>	92,448	6,401	1,033	33	7,467	<b>80.8</b>
<b>Total 10-19</b>	443,971	9,416	1,512	52	10,980	<b>24.7</b>

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



## 1B.

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

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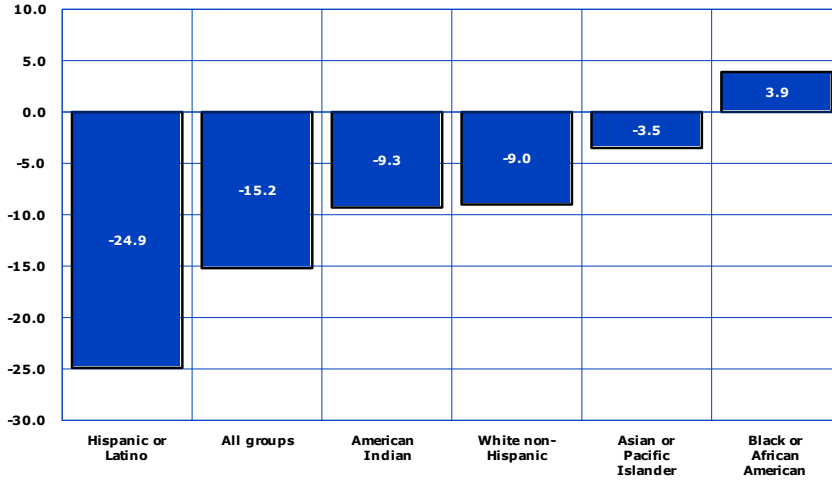
The number of resident births reached its recent peak in 2007 at 102,687 (**Table 1B-2**). In 2008, the number of resident births declined to 99,215; the first annual decline since 1991 (which, like 2008, also was an economic downturn year). The number of resident births declined again in 2009 to 92,616 and in 2010 to 87,053.

There were striking differences in how the number of births changed from 2007 to 2010 by mother's race/ethnicity. The number of births rose by 3.9 percent for Black or African American mothers. Compared to 2007, the number of births for all race/ethnic groups combined was 15.2 percent lower in 2010. Hispanic or Latino women experienced an unprecedented decrease of 24.9 percent (**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 in 2008-2010 not only the economic recession (shared by all), but also additional challenges such as the employer-sanction law (a penalty on employers hiring illegal immigrants), and a widespread practice of e-verify (checking the legal-residence status of those seeking employment). Considering all these factors, there is a reason to believe that there were fewer births among Hispanic or Latinos since 2007, because there were fewer Hispanic or Latino residents of Arizona in 2008-2010 than there were in 2007. In 2009, for the first time since 2003, the number of births among White non-Hispanics (39,781) exceeded the number of Hispanic or Latino births (38,362). In 2010, Hispanics or Latinos accounted for 11.5 percent fewer births than White non-Hispanic (34,333 vs. 38,777).

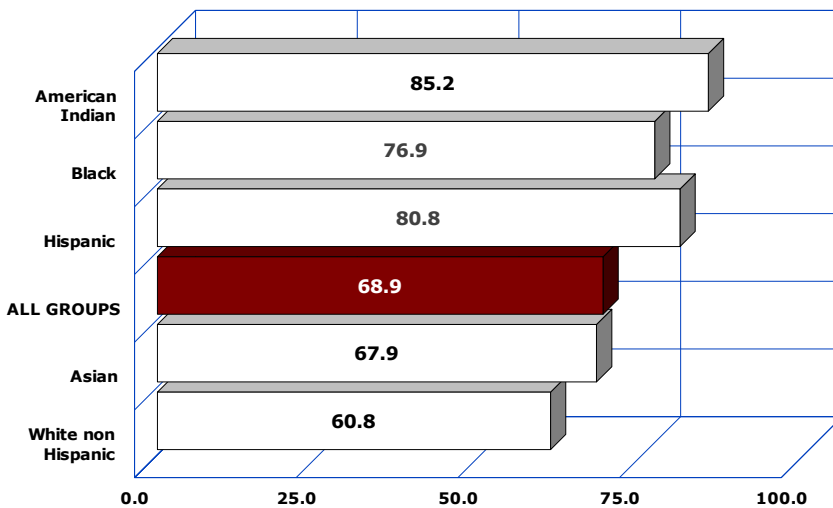
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-1**  
**Percent Change from 2007 to 2010 in the Number of Resident Live Births by**  
**Mother's Race/Ethnicity, Arizona**



From 2007 to 2010, the number of resident live births declined by 15.2 percent (**Figure 1B-1**). All race/ethnic groups, except Blacks or African Americans, experienced a decline. The magnitude of the reduction in the number of births was the largest among Hispanics or Latinos (-24.9 percent), and the smallest among Asian or Pacific Islanders (-3.5 percent).

**Figure 1B-2**  
**General Fertility Rates by Race/Ethnicity among Females of all Ages,**  
**Arizona, 2010**



As we have already noted in Section 1A, the number of females aged 15-44 years was lower in 2010 (1,262,557; based on the 2010 census enumeration), compared to the 2009 estimate of 1,344,836. From among 1,262,557 women of childbearing age (15-44 years), 6.9 percent gave birth in 2010, same proportion as in 2009. The *general fertility rate* (the number of births per 1,000 women 15-44 years old) also remained unchanged since 2009. However, with a fertility rate of 85.3/1,000, American Indian replaced Hispanic or Latino women whose general fertility rate declined in 2010 to 75.9/1,000.

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

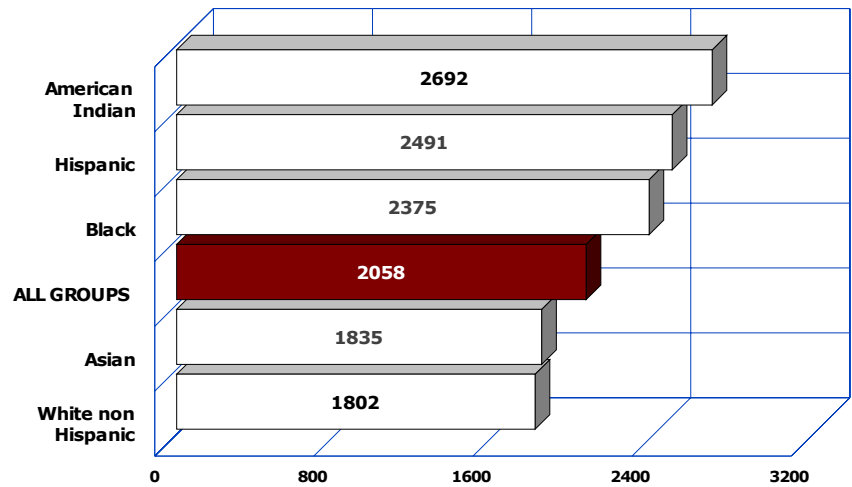
Number of births per 1,000 females 15-44 years old in specified group.



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

The *total fertility rate* indicates the average number of births to a hypothetical cohort of 1,000 women, if they experienced throughout their childbearing years the age-specific birth rates observed in a given year. From 2000 to 2008, the Arizona total fertility rates 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. In 2009, the total fertility rate declined to 2,058 births per 1,000 women of childbearing age and it remained unchanged in 2010. The total fertility rates differed substantially by race/ethnicity (**Figure 1B-3**). The 2010 total fertility rate of 2,692 for American Indian women exceeded the generation replacement rate by 27.6 percent. The rate for White non-Hispanic women (1,802) was 14.6 percent lower than the replacement rate.

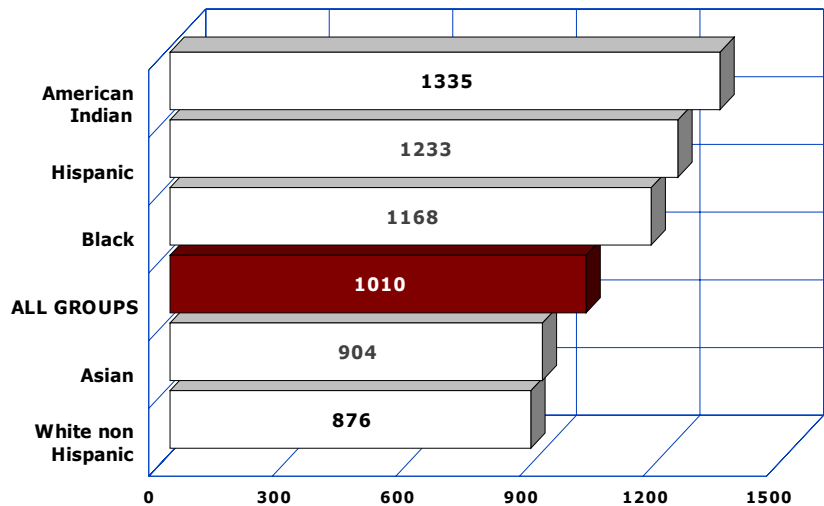
**Figure 1B-3**  
Total Fertility Rates by Race/Ethnicity, Arizona, 2010



The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 2,058 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 2009, they would have a total of 2,058 children (or 2.1 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.

Another measure used to summarize reproduction patterns is the *gross reproduction rate*. It represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. This measure is similar to the total fertility rate except that it measures only female births, since reproduction is largely dependent on the number of females in a given population. In 2010, the gross reproduction rates in Arizona ranged from 876 for White non-Hispanic women to 1,335 for American Indian women (**Figure 1B-4, Table 1B-1**).

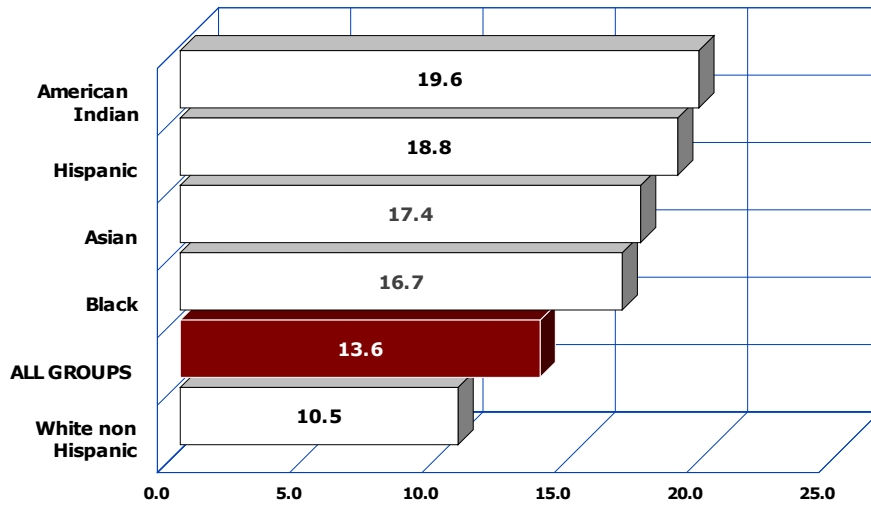
**Figure 1B-4**  
Gross Reproduction Rates by Race/Ethnicity, Arizona, 2010



The sum 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.

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

**Figure 1B-5**  
Birth Rates per 1,000 Population by Race/Ethnicity, Arizona, 2010



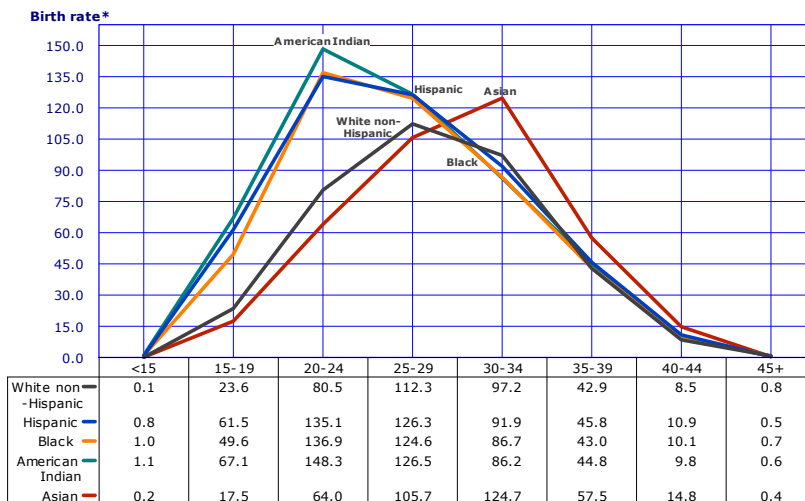
Number of births per 1,000 population in specified group.

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

The birth rate for Arizona decreased to 13.6/1,000 in 2010 (a decline of 18.1 from the rate of 16.6/1,000 seen in 2000).

In 2010 the crude birth rates by mother's race/ethnicity ranged from 10.5 births per 1,000 White non-Hispanics to 19.6 per 1,000 American Indians (**Figure 1B-5**). It is important to note that the actual number of births among American Indians actually declined from 6,170 in 2009 to 5,815 in 2010. Compared to the 2009 population estimate of 346,080 American Indians in the State, the 2010 census counted substantially fewer American Indians (296,529).

**Figure 1B-6**  
Birth Rates by Mother's Age Group and Race/Ethnicity, Arizona, 2010



\*Number of births per 1,000 females in specified group.

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

In 2010, American Indian women had the highest birth rates for women in age groups up to 34 years. In contrast, the birth rates for women aged 35 years or older were the highest among Asian or Pacific Islander women.

The birth rate for Asian or Pacific Islander women aged 45 years or older (16.8 births per 1,000 women) was 2.3 times than the birth rate of 7.2/1,000 White non-Hispanic in this age group in 2010.

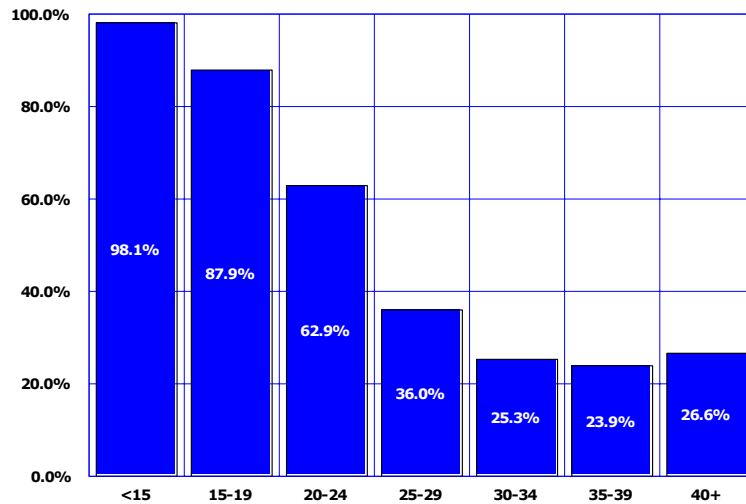
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-7**  
Percent Births to Unmarried Mothers by Age Group, Arizona, 2010

Unmarried mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s, with 44.7 percent in 2010 (Table 1B-2). In 2010, 47,269 infants were born to unmarried mothers compared to 33,438 in 2000.

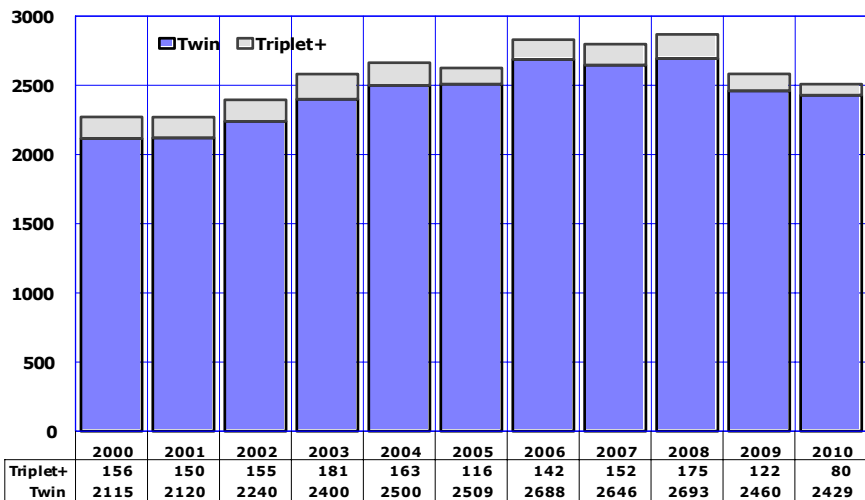
A decade ago, the proportion of births among unmarried women aged 20-24 years was 51.0 percent. This proportion continued to rise by a percentage point on average per year between 2000 and 2010. In 2010, six out of ten (62.9 percent) mothers 20-24 years old were unmarried (Figure 1B-7).

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. Community-level information is in Table 9A.



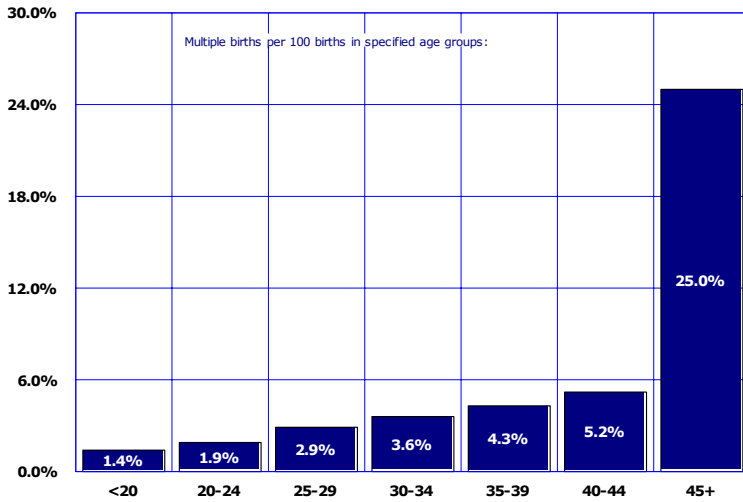
**Figure 1B-8**  
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2000-2010

The number of multiple birth events in Arizona declined from 2,868 in 2008, (the highest number ever recorded) to 2,509 in 2010 (Figure 1B-8). The number of babies born in twin deliveries decreased from 2,693 in 2008 to 2,429 in 2010 (Figure 1B-8). The number of triplet and higher order multiple birth events decreased by 54.3 percent from 175 in 2008 to 80 in 2010.



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

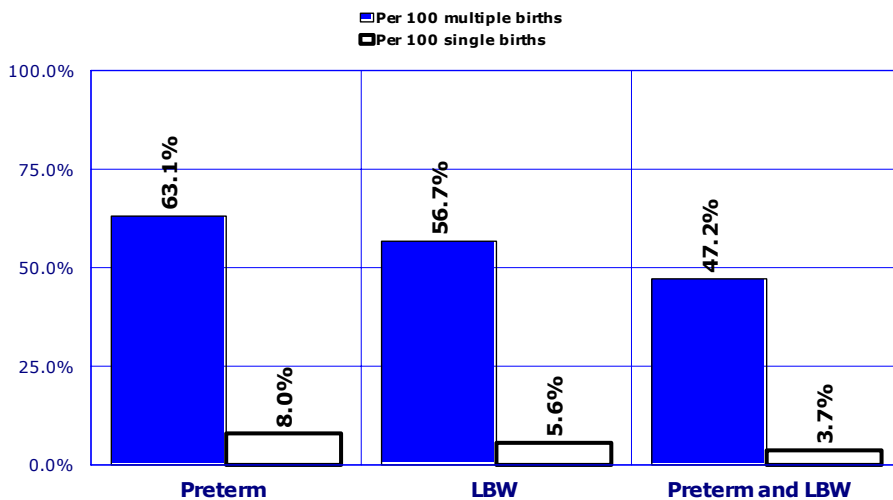
**Figure 1B-9**  
Risk for Multiple Births by Mother's Age Group, Arizona, 2010



The rise in multiple births has been associated with two related trends: 1) advances in, and greater access to, assisted reproductive technology (ART), and 2) the older age of childbearing (women in their thirties and forties are more likely to have a multiple birth than younger women even without the use of fertility therapies).

In 2010, the proportion of multiple births increased with maternal age, with a precipitous rise at age 45 years and older. Among women aged 45 years and older 25.0 percent of all births were twins, triplets, or quadruplets (Figure 1B-9).

**Figure 1B-10**  
Infants Born too Early (Preterm) and Infants Born too Small (LBW) among Multiple and Single Births, Arizona, 2010



Infants born in multiple deliveries tend to be born at shorter gestations and smaller than those born in singleton deliveries (Figure 1B-10). In 2010, infants born in multiple deliveries were 12.8 times more likely (47.2 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 (60.3 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. For LBW infants, the risk of dying in the first year of life is more than 10 times that of normal weight infants (56.7 deaths per 1,000 births vs. 5.6/1,000

Preterm = < 37 weeks of gestation;  
LBW = low birthweight (less than 2,500 grams or 5 pounds 8 ounces).

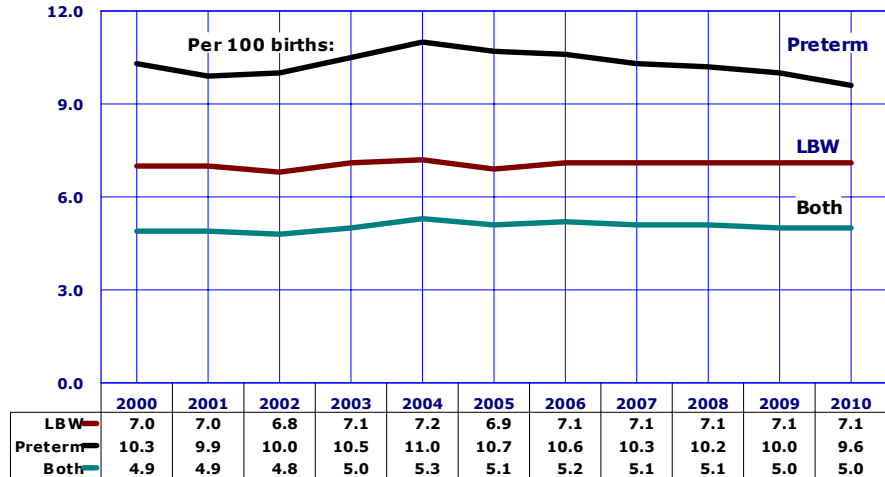
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-11**  
Preterm and Low Birthweight (LBW) Births by Year, Arizona, 2000-2010

The proportion of preterm births decreased from 10.0 percent of all births in 2009 to 9.6 percent in 2010.

The proportion of infants born earlier than expected and smaller (at less than 2,500 grams) remained unchanged at 5.0 in 2010 (**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**.



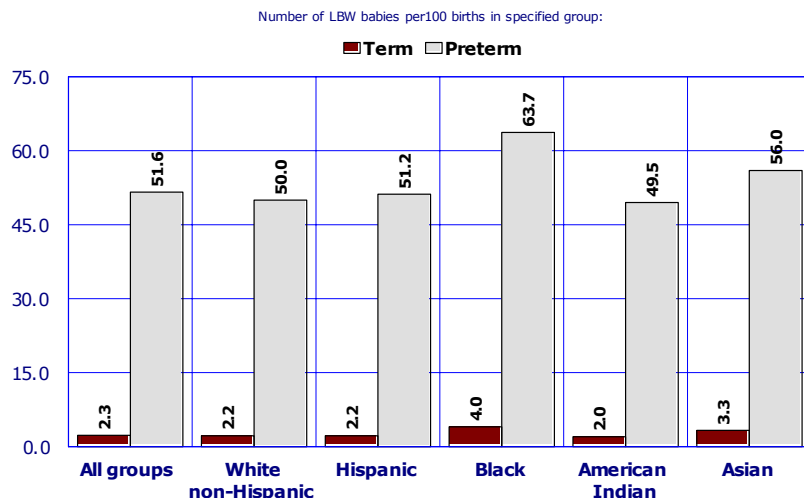
Preterm = < 37 weeks of gestation;  
LBW = low birthweight (less than 2,500 grams or 5 pounds 8 ounces).

Note: 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, 2010

In 2006, 2007, 2008, 2009 and 2010 7.1 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 are 22.4 times (51.6 vs. 2.3 percent) more likely to be LBW than infants born at term (**Figure 1B-12**). Seven out of ten (70.2 percent) LBW babies born in 2010 were preterm (**Table 1B-3**).

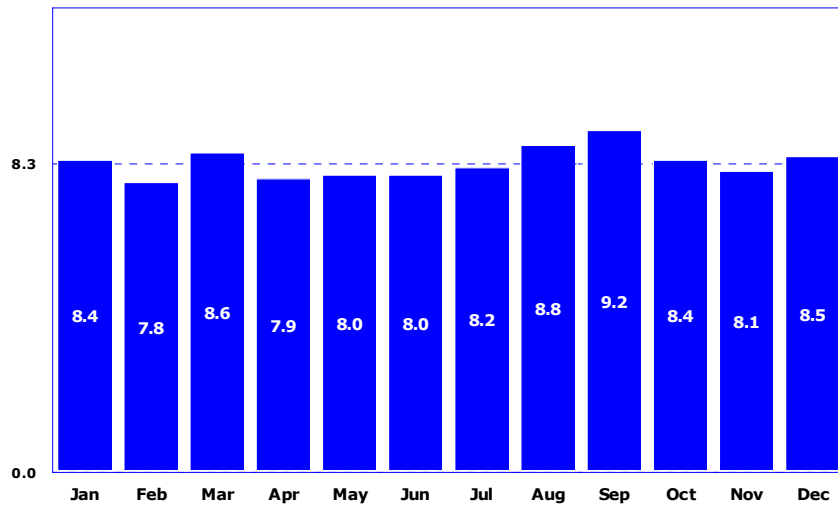
County-level data for LBW newborns are available in **Tables 5B-16** – **5B-23**. Community-level information is in **Table 9A**.



Preterm = < 37 weeks of gestation;  
LBW = low birthweight (less than 2,500 grams or 5 pounds 8 ounces).

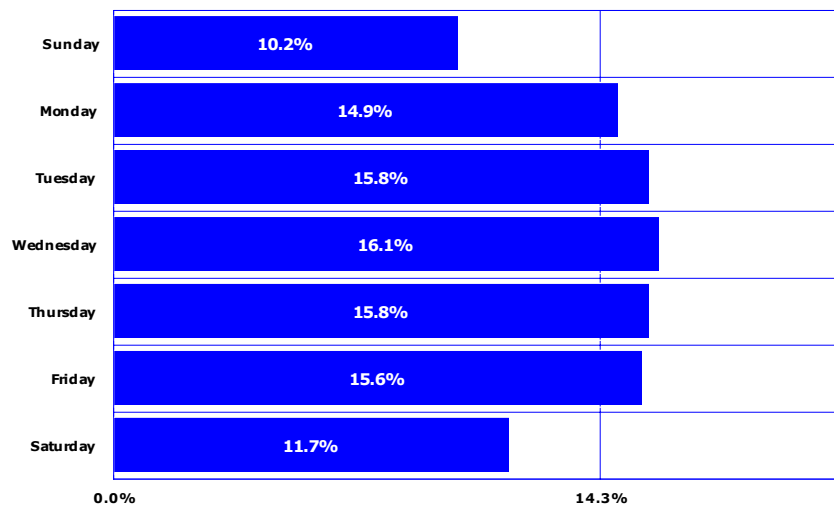
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-13**  
Percent of Resident Births by Month, Arizona, 2010



If there was no monthly variation in proportional contribution to the annual birth total, 8.3 percent of births would occur monthly. However, seasonal fluctuations in births have been observed in virtually all historical and contemporary human populations. Arizona's pattern in 2010 was characterized by a trough in April - June, and a peak in August - October (**Figure 1B-13**).

**Figure 1B-14**  
Percent of Resident Births by Day of the Week, Arizona, 2010



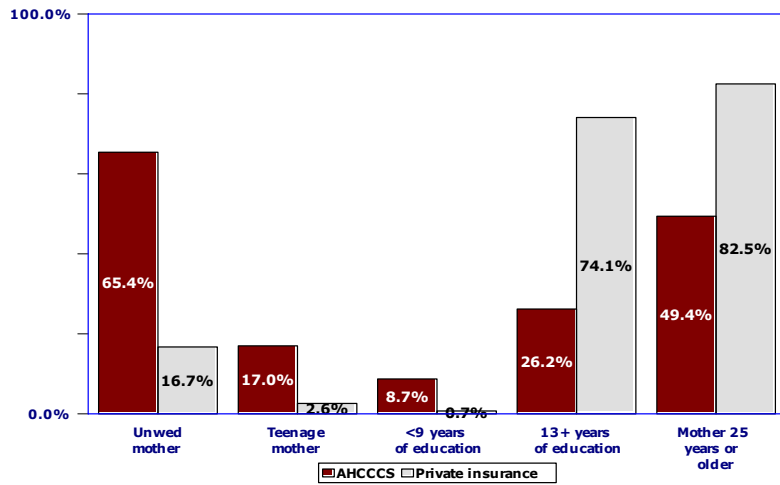
On average 238 infants were born per day in 2010 to Arizona residents. The daily average of resident live births in 2010 was substantially lower on weekends than on weekdays (**Figure 1B-14**). Many studies suggest that weekly, daily and hourly variations observed in hospitals and clinics are not due 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 2010, only 5.3 percent of repeat cesarean deliveries occurred on Sundays, compared to 17.9 percent on Mondays. The rate of induction of labor was substantially lower on Saturdays (8.0 percent) than it was on Thursdays (17.5 percent).

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The number of years of maternal education was the only possible index 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 2.8 times more likely to have some college education than were AHCCCS mothers (74.1 and 26.2 percent respectively, **Figure 1B-15**). More than 8 percent of AHCCCS mothers had 0-8 years of education, 12.4 times the proportion of PHI mothers. Only 16.7 percent of mothers with PHI were unmarried compared to 65.4 percent of AHCCCS mothers. Eight out of ten mothers with PHI were at least 25 years old compared to 49.4 percent of AHCCCS mothers.

**Figure 1B-15**  
Comparison of Selected Sociodemographic Characteristics by the Payee for Delivery, Arizona, 2010

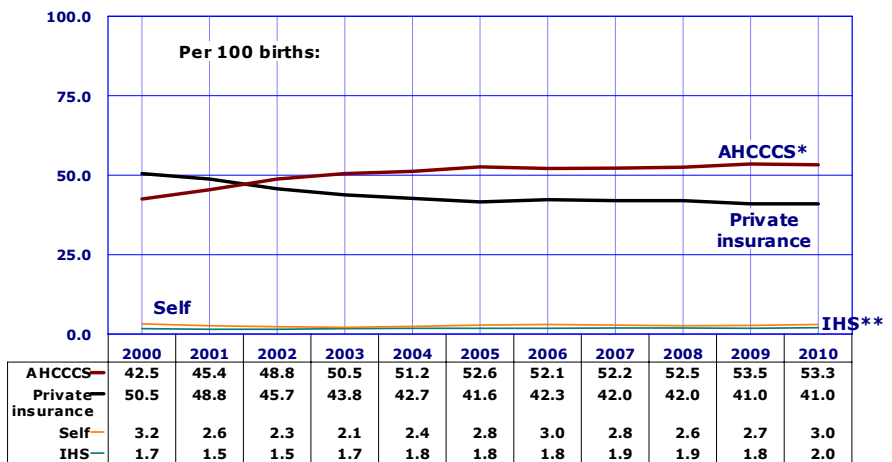


Note: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

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 1989, private insurance paid for a slight majority (50.6 percent) of all deliveries and AHCCCS was the payee for the next largest share of deliveries at 26.5 percent, followed by the payment by the women themselves at 12.1 percent.

The AHCCCS share remained virtually unchanged from 2009 at 53.3 of all deliveries in 2010. The share of private health insurance also remained unchanged at 41 percent in both in 2009 and 2010. The payment source was the mothers themselves and/or their families (i.e., self-pay) in 3.0 percent of the deliveries. The Indian Health Service paid for 2.0 percent of the births in 2010 (**Table 1B-28**; see also **Table 1B-25**).

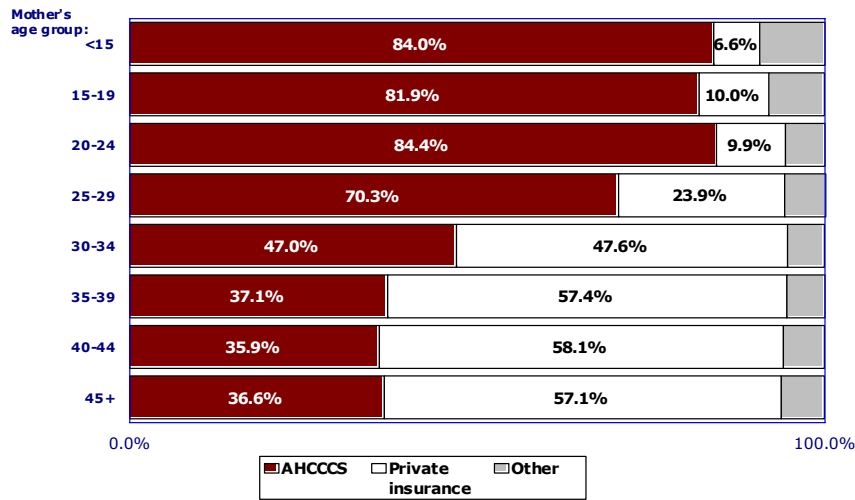
**Figure 1B-16**  
Births by Payer and Year, Arizona, 2000-2010



\* The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.  
\*\* The Indian Health Service.

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

**Figure 1B-17**  
Payee for Delivery by Mother's Age Group, Arizona, 2010



In 2010, the Arizona Health Care Cost Containment System paid for the absolute 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 2010 (based on data in **Table 1B-28**).

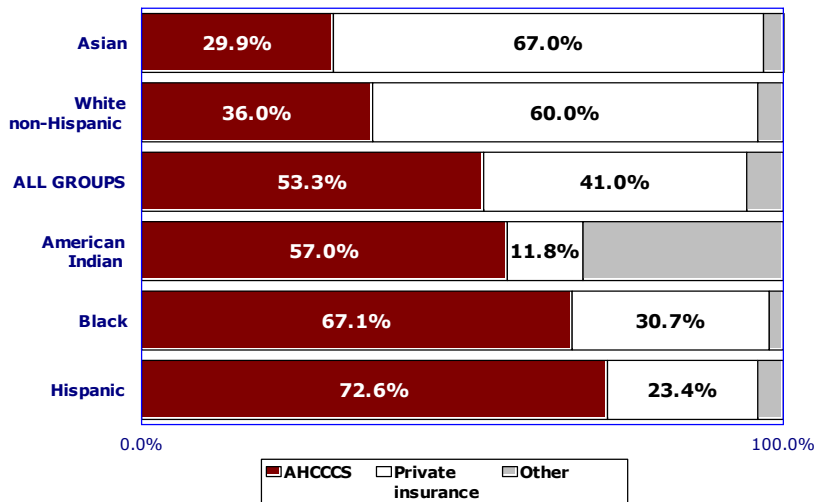
For each of the age groups the AHCCCS share substantially increased since 1989. Below are the proportions of deliveries paid for by the AHCCCS in 1989:

- <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 2010, the AHCCCS share more than doubled among mothers 25 years old or older.

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

**Figure 1B-18**  
Payee for Delivery by Mother's Race/Ethnicity, Arizona, 2010



In 2010, private insurance was the largest payer for deliveries of Asian (at 67.0 percent) and White non-Hispanic infants (at 60.0 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of Hispanic or Latino (72.6 percent), Black or African American (67.1 percent) and American Indian women (57.0 percent).

The Indian Health Service as a payer accounted for a 28.5 percent share of deliveries of American Indian or Alaska Native infants in the State (**Figure 1B-18**, based on data in **Table 1B-28**).

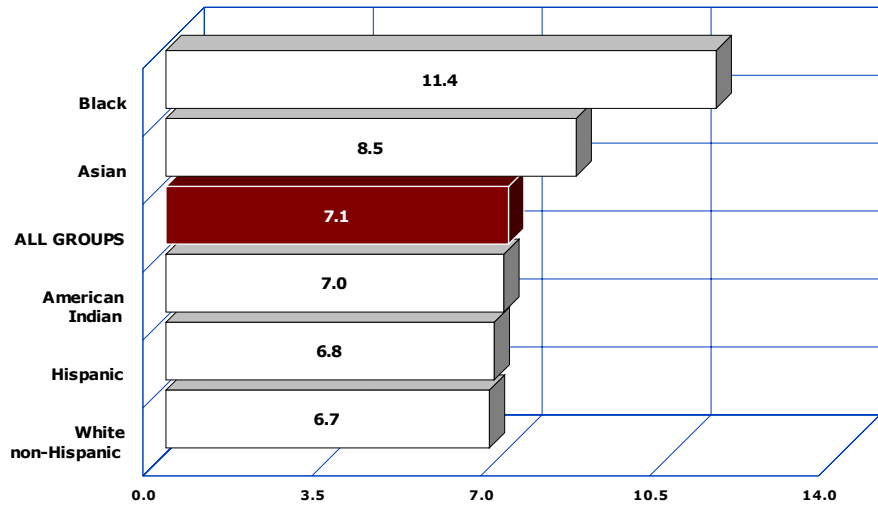
Hispanics or Latino accounted for 53.8 percent of the 46,393 deliveries paid for by the AHCCCS. Thirty percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-28**).

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



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

**Figure 1B-19**  
**Percent Low Birthweight\* by Mother's Race/Ethnicity,**  
**Arizona Residents, 2010**

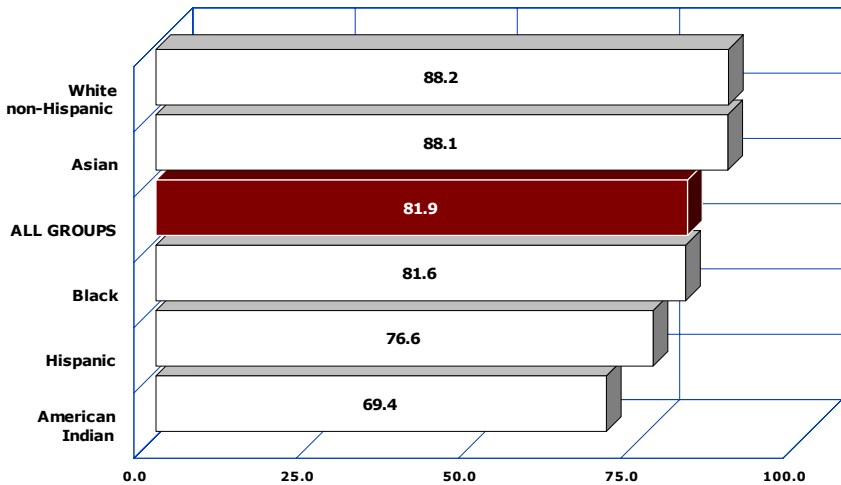


In 2010, 7.1 percent of all Arizona infants were born at a low birthweight (LBW), or at less than 2,500 grams (5 pounds 8 ounces), unchanged from 2006.

In Arizona, LBW rates differed by mother's race/ethnic group. LBW rates were highest for newborns of Black or African American mothers (11.4 percent) and Asian or Pacific Islander mothers (8.5 percent) mothers. Newborns of American Indian and Hispanic or Latino and White non-Hispanic mothers had the lowest LBW rates (6.8 and 6.7 percent respectively; based on data in **Table 1B-26**).

Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).  
 Note: The latest available U.S. ratio is for 2005.

**Figure 1B-20**  
**First Trimester Prenatal Care by Mother's Race/Ethnicity,**  
**Arizona Residents, 2010**

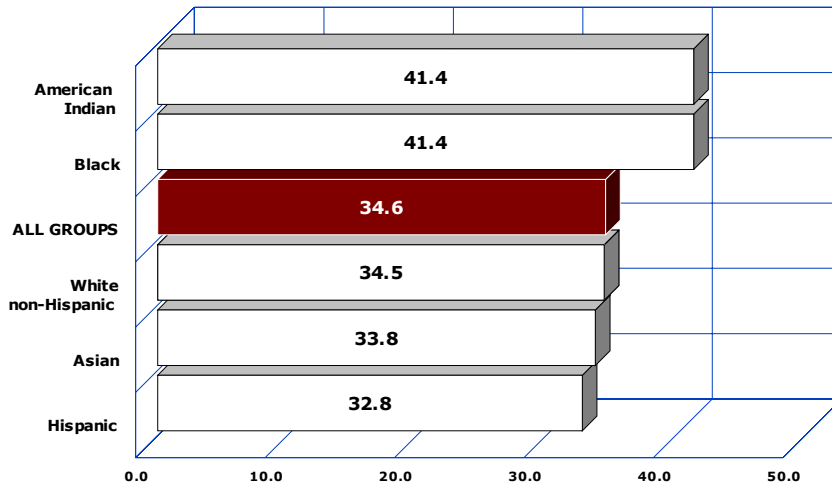


The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) increased from 80.3 in 2009 to 81.9 in 2010 (**Table 1B-2**).

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

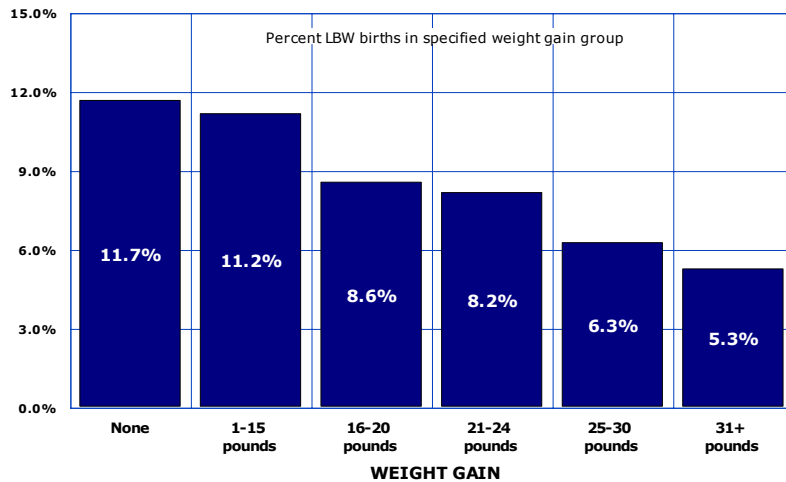
**Figure 1B-21**  
**Maternal Medical Risk Factors per 100 Births by Mother's Race/Ethnicity, Arizona, 2010**



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 2010, American Indian or Alaska Native and Black or African American women giving birth had the highest proportion of medical risk factors (41.4 percent, **Figure 1B-21**).

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, 2010**



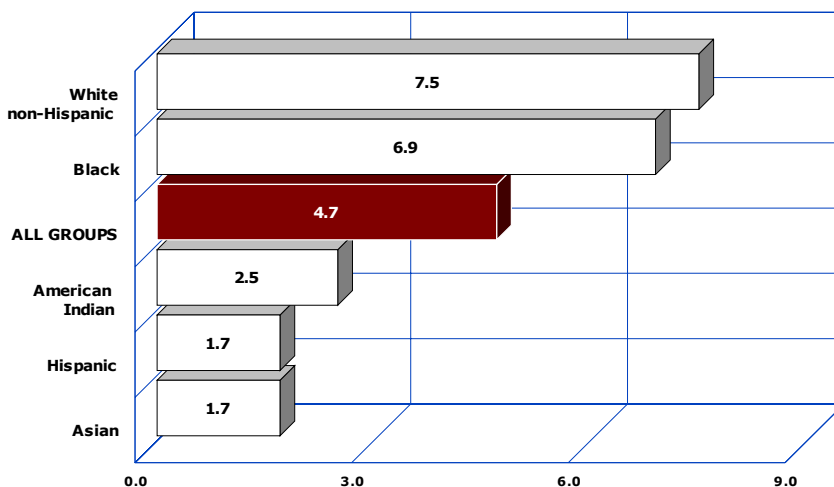
Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively affect both maternal and pregnancy outcome (see **Figure 2C-4.3**). Women who are of normal weight (average body mass index or BMI) should 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 2010, as in previous years, the percent of infants with low birthweight decreased with increasing maternal weight gain (**Figure 1B-22**).

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

**Figure 1B-23**  
Self-reported Tobacco Use during Pregnancy by Race/Ethnicity, Arizona, 2010

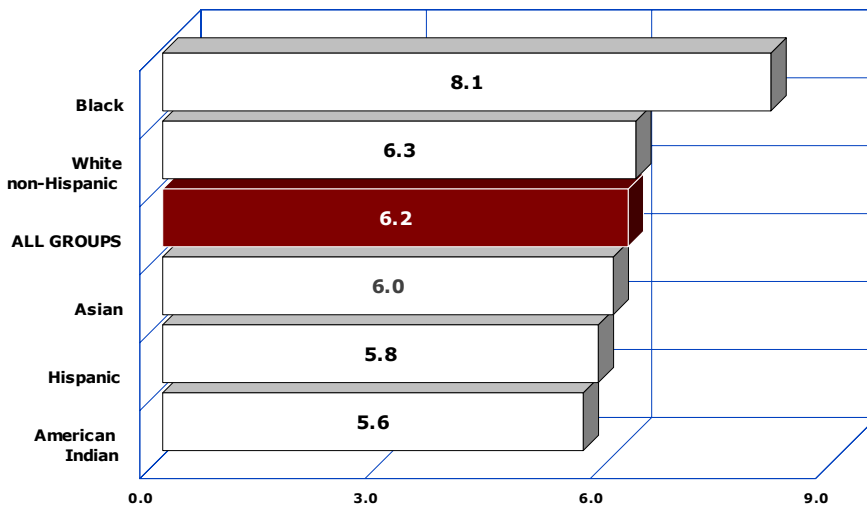
Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation and preterm births. Smoking during pregnancy was reported by 4.7 percent of women giving birth in 2010 (Table 1B-26, Table 5B-30), compared to 10.5 percent in 1989, when this information 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 when they use. White non-Hispanic and Black mothers continued to be more likely to report smoking than American Indian, Asian, and Hispanic (Figure 1B-23).



Mothers giving birth who reported tobacco use per 100 births in specified group.

**Figure 1B-24**  
Rates of Admission to Newborn Intensive Care Units per 100 Births by Mother's Race/Ethnicity, Arizona, 2010

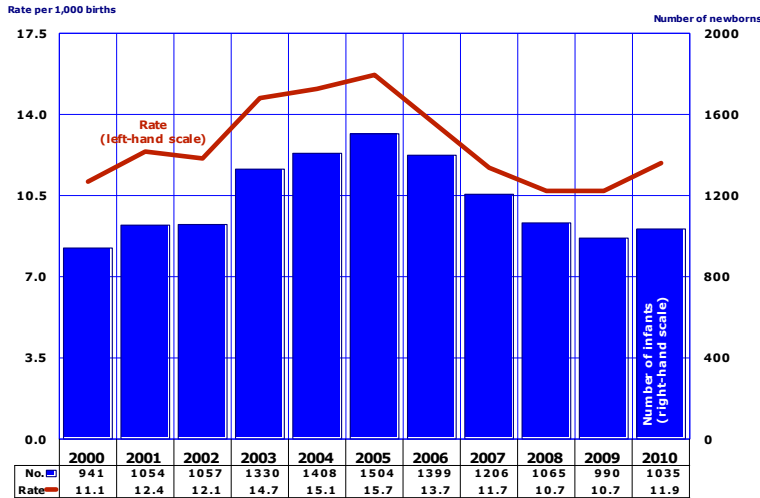
More than 5,000 or 6.2 percent of newborns in 2010 were admitted to newborn intensive care units (NICUs). Surprisingly, only 47.1 percent of the NICU admissions were low birthweight (LBW) babies. Prematurity, i.e., gestational age before 37 weeks captured more NICU admissions than did LBW, with 58.0 admissions being premature (based on data in Table 1B-33). The proportion of NICU admissions differed among race/ethnic groups. In 2010, the rate of NICU admissions for Black or African American (8.1 percent) was the highest among race/ethnic groups (Table 1B-26).



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

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

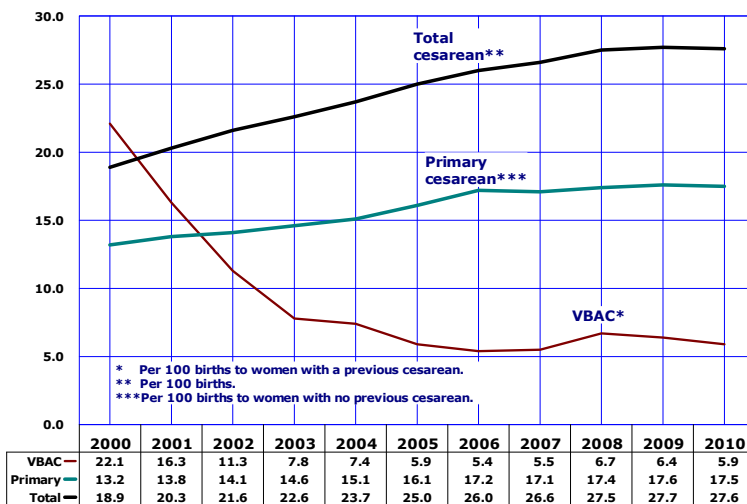
**Figure 1B-25**  
**Newborns Who Were Hospitalized after Birth because They Were Affected by Maternal Use of Drugs during Pregnancy, Arizona, 2000-2010**



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 increased from 990 in 2009 to 1,035 in 2010.

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>

**Figure 1B-26**  
**Total and Primary Cesarean Deliveries and Vaginal Births after Previous Cesarean (VBAC), Arizona, 2000-2010**



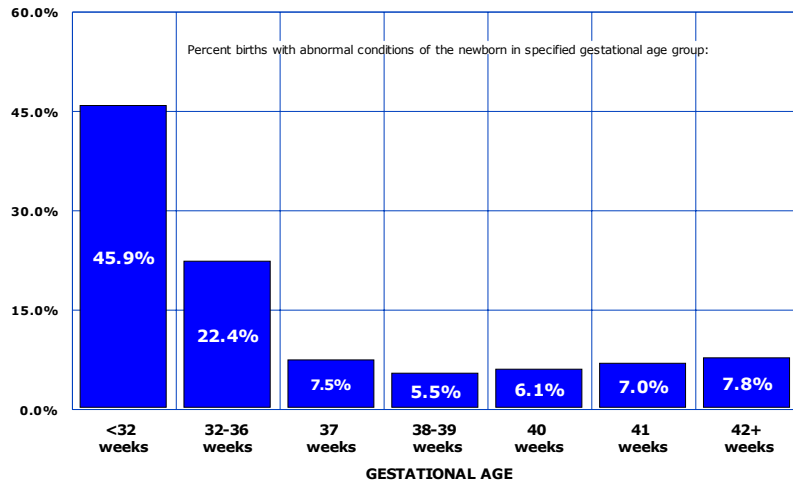
The rate of cesarean delivery increased to an all time high of 27.7 percent of all resident births in 2009 (Figure 1B-26, Table 1B-2). It declined by not much in 2010 (27.6 vs. 27.7).

The primary cesarean rate in 2010 (17.1 per 100 live births to women who had no previous cesarean) was 29.5 percent higher than in 2000 (13.2 per 100 live births). The rate of repeat cesarean deliveries almost doubled from 5.7 percent in 2000 to 10.5 percent in 2010.

The rate of vaginal birth after previous cesarean delivery (VBAC) declined 73.3 percent from a recent high of 22.1 in 2000 to 5.9 in 2010.

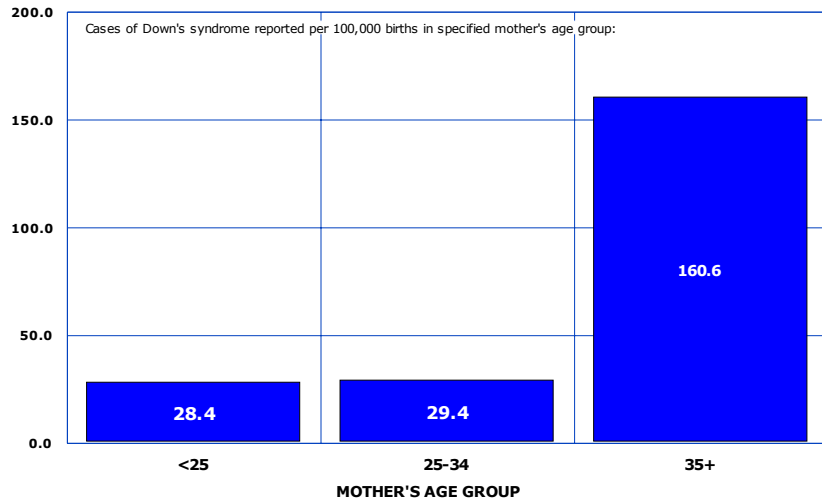
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**Figure 1B-27**  
**Abnormal Conditions of the Newborn by Gestational Age, Arizona, 2010**



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), moderately preterm (32-36 weeks of gestation) and post-term (42+ weeks) infants (**Figure 1B-27**).

**Figure 1B-28**  
**The Incidence of Downs Syndrome by Mother's Age Group, Arizona, 2010**



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 2010 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 160.6 cases of Down's Syndrome per 100,000 births to women 35 years or older was 5.7 times greater than the incidence rate of 28.4 for women aged 24 years or younger.

**TABLE 1B-1  
BIRTH RATE<sup>1</sup>, GENERAL FERTILITY RATE<sup>2</sup>, TOTAL FERTILITY RATE<sup>3</sup>,  
GROSS REPRODUCTION RATE AND AGE-SPECIFIC BIRTH RATES<sup>4</sup> BY YEAR,  
ARIZONA AND UNITED STATES, 2000-2010**

Year	Area	Birth rate	General fertility rate	Total fertility rate <sup>5</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
2000	AZ	16.6	78.4	2,395	1,176	1.2	67.6	139.1	129.2	92.4	40.5	8.4	0.5
	U.S.	14.7	65.7	2,130	1,004	0.9	48.5	112.3	121.4	94.1	40.4	7.9	0.5
2001	AZ	16.1	75.9	2,300	1,150	1.0	63.3	136.2	123.4	88.5	38.7	8.5	0.5
	U.S.	14.1	65.3	2,034	994	0.8	45.9	106.2	113.4	91.9	40.6	8.1	0.5
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	2,012	983	0.7	42.9	103.5	113.6	91.6	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	41.7	102.6	115.7	95.2	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	2,049	NA	0.7	41.2	101.8	115.5	95.5	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	40.4	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.	13.9	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	69.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	64.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

<sup>2</sup>The number of births per 1,000 women of childbearing age (15-44 years old).

<sup>3</sup>The sum of age group specific birth rates multiplied by the number of years in the age group (five years in this case). In Table 1B-1 rate of 2,395 in 2000 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 2000, they would have a total of 2,326 children 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.

<sup>4</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>5</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, 2000-2010  
(ALL RACE/ETHNIC GROUPS)**

<b>Characteristic</b>	<b>2000</b>	<b>2001</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>Number of births</b>	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053
<b>Age of mother</b>											
≤19 years	14.3	13.8	13.1	12.9	12.7	12.5	12.7	12.6	12.3	11.8	10.8
≥30 years	30.4	31.0	31.4	31.6	32.3	32.2	31.6	32.3	33.1	33.8	35.0
<b>Marital status</b>											
Unmarried	39.3	39.4	40.2	41.2	41.9	42.8	43.9	45.0	45.1	45.2	44.7
<b>Mother's education</b>											
<9 years	9.2	9.3	9.1	9.4	9.3	8.7	8.2	7.8	6.9	6.1	5.3
<b>Mother's race/ethnicity</b>											
White <sup>1</sup>	46.9	45.7	44.4	42.8	42.0	41.4	42.2	41.1	42.3	43.0	44.5
Hispanic	39.9	41.2	41.3	43.1	43.7	44.0	44.0	44.5	43.0	41.4	39.4
Black	3.2	3.2	3.2	3.3	3.4	3.6	3.8	4.1	4.3	4.7	5.0
American Indian	6.6	6.3	6.3	6.5	6.6	6.6	6.2	6.2	6.4	6.7	6.7
Other	3.4	3.7	4.8	4.4	4.2	4.4	3.9	4.0	4.1	4.2	4.4
<b>Prenatal care begin</b>											
1 <sup>st</sup> Trimester	75.0	75.5	75.7	75.6	76.3	77.7	77.7	77.6	79.4	80.3	81.9
3 <sup>rd</sup> Trimester	4.5	4.3	4.4	4.3	4.4	3.8	3.7	3.7	3.6	3.4	3.2
No Care	2.1	1.9	2.2	2.9	2.8	2.3	2.4	2.2	1.8	1.8	1.6
<b>Prenatal visits</b>											
1-4	4.6	4.5	4.5	4.3	4.6	4.2	4.0	3.9	3.6	3.5	3.3
≥5	88.9	90.6	91.5	90.2	91.7	93.3	93.5	93.9	94.5	94.5	94.9
≥9	73.7	75.9	75.9	74.6	75.5	76.6	76.4	76.7	77.8	78.9	80.5
≥13	31.1	33.0	31.7	29.8	27.6	25.9	27.5	29.4	29.9	30.0	31.6
<b>Medical risk/ Complications<sup>2</sup></b>	44.9	45.1	45.6	44.2	44.6	44.7	44.3	45.3	46.5	48.1	49.7
<b>Gestational age<sup>3</sup></b>											
Preterm (<37 weeks)	10.3	9.9	10.0	10.5	11.0	10.7	10.6	10.3	10.2	10.0	9.6
<b>Birth weight</b>											
<2,500 grams	7.0	7.0	6.8	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1
<1,500 grams	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1
<b>Child's sex</b>											
Male	51.1	50.9	51.3	51.0	51.2	51.2	51.2	51.2	51.1	51.1	50.9
Female	48.9	49.1	48.7	49.0	48.8	48.8	48.8	48.8	48.9	48.9	49.1
<b>Plurality</b>											
Multiple births	2.7	2.7	2.7	2.8	2.9	2.7	2.8	2.7	2.9	2.8	2.9
<b>Caesarean delivery</b>	18.9	20.3	21.6	22.6	23.7	25.0	26.0	26.6	27.5	27.7	27.6
<b>Place of delivery</b>											
Hospital <sup>4</sup>	99.4	98.9	98.9	98.8	98.8	98.9	98.9	99.0	99.0	98.8	98.8
<b>Attendant at birth</b>											
Midwife <sup>5</sup>	8.4	7.6	7.0	6.5	6.7	6.1	5.6	5.7	6.1	6.5	6.6
<b>Previous live births</b>											
1 or more	61.4	62.3	62.4	62.2	62.9	63.0	62.5	63.1	63.3	63.1	63.0

<sup>1</sup>Non-Hispanic.

<sup>2</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>3</sup>Physician's estimate.

<sup>4</sup>Hospital, clinic, medical center or maternity home.

<sup>5</sup>Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-3**  
**LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL**  
**CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX,**  
**BIRTH ORDER AND BIRTH COMPLICATIONS, ARIZONA, 2000-2010**  
**(ALL RACE/ETHNIC GROUPS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of births</b>	5,975	5,943	5,926	6,427	6,704	6,640	7,266	7,285	7,026	6,573	6,155
<b>Age of mother</b>											
≤19 years	17.0	16.1	14.9	14.9	14.3	14.2	14.5	14.2	13.2	13.1	12.3
≥30 years	32.6	33.1	34.3	34.7	34.3	33.5	34.3	34.7	35.8	37.4	37.8
<b>Marital status</b>											
Unmarried	45.6	44.5	45.3	45.7	46.5	48.3	48.3	49.2	48.6	48.5	49.4
<b>Mother's education</b>											
<9 years	9.2	9.7	8.8	9.5	8.7	8.3	7.8	7.7	6.3	5.7	4.7
<b>Mother's race/ethnicity</b>											
White <sup>1</sup>	46.7	44.0	43.9	41.6	42.3	41.1	39.8	40.9	41.0	41.5	41.9
Hispanic	37.9	39.5	39.2	41.8	41.2	40.8	42.3	41.5	40.8	38.7	38.1
Black	5.7	6.3	5.5	5.5	5.6	6.6	6.7	7.3	7.2	8.5	8.0
American Indian	6.3	6.6	6.1	6.3	6.6	6.9	6.5	5.8	6.1	6.0	6.6
Other	3.4	3.6	5.3	4.8	4.4	4.7	4.7	4.5	5.0	5.2	5.4
<b>Prenatal care began</b>											
1st Trimester	71.3	73.6	74.2	73.8	75.4	77.4	77.2	77.4	79.5	80.6	81.0
3rd Trimester	4.0	3.3	3.5	3.5	2.9	2.7	2.8	3.1	2.9	2.6	2.7
No Care	4.5	4.1	4.6	5.1	4.5	4.7	4.9	4.5	3.8	3.6	3.2
<b>Prenatal visits</b>											
1-4	8.6	8.4	9.0	8.0	9.3	9.4	8.5	8.2	7.7	7.6	7.5
≥5	78.2	82.0	82.9	82.9	84.7	85.6	86.3	87.1	88.2	88.3	88.8
≥9	57.6	60.4	57.7	58.7	59.8	60.3	60.1	61.2	63.0	64.1	65.2
≥13	25.7	27.3	25.0	26.5	23.9	22.1	21.9	25.1	25.6	25.7	27.1
<b>Medical risks/ Complications<sup>2</sup></b>	69.7	68.0	68.9	64.0	63.8	67.2	65.1	65.9	68.7	70.5	73.3
<b>Gestational age<sup>3</sup></b>											
Preterm (<37 weeks)	71.3	70.7	70.9	70.9	73.3	73.7	72.7	72.3	71.7	71.2	70.2
<b>Birth weight</b>											
<1,500 grams	16.6	15.5	16.6	15.9	16.4	16.9	16.9	16.8	16.5	16.7	15.3
<1,000 grams	7.3	7.4	8.8	7.9	7.9	8.7	7.7	8.1	7.7	8.0	7.1
<b>Child's sex</b>											
Male	49.7	47.4	48.3	48.6	48.0	47.1	47.5	47.9	48.1	47.8	46.5
Female	50.3	52.5	51.7	51.4	52.0	52.9	52.5	52.1	51.9	52.2	53.5
<b>Plurality</b>											
Multiple births	22.1	22.5	23.2	23.4	23.7	22.2	22.5	23.1	23.3	22.1	23.1
<b>Caesarean delivery</b>	38.0	37.6	39.7	41.2	40.8	42.5	43.2	44.2	46.7	46.4	46.5
<b>Place of delivery</b>											
Hospital <sup>4</sup>	99.7	99.6	99.7	99.6	99.6	99.6	99.7	99.6	99.7	99.8	99.6
<b>Attendant at birth</b>											
Midwife <sup>5</sup>	3.6	3.7	3.1	2.8	3.1	2.5	1.9	2.5	2.6	2.3	2.6
<b>Previous live births</b>											
1 or more	58.6	58.1	58.0	58.7	58.1	58.3	59.6	60.5	60.5	59.7	60.3

<sup>1</sup>Non-Hispanic.

<sup>2</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>3</sup>Physician's estimate.

<sup>4</sup>Hospital, clinic, medical center or maternity home.

<sup>5</sup>Licensed Midwife or Certified Nurse Midwife.







**TABLE 1B-6 (correction)**  
**LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY**  
**CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER**  
**AND BIRTH COMPLICATIONS, ARIZONA, 2000-2010**  
**(WHITE NON-HISPANIC MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of births</b>	39,850	38,934	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777
<b>Age of mother</b>											
≤19 Years	9.4	8.7	7.9	7.6	7.1	6.9	7.5	7.3	7.1	6.8	6.2
≥30 Years	38.1	39.1	39.3	39.9	40.3	39.3	37.9	38.5	38.7	39.3	40.4
<b>Marital status</b>											
Unmarried	24.8	24.5	25.0	25.1	24.8	26.1	27.7	28.4	29.5	29.7	29.9
<b>Mother's education</b>											
<9 years	1.5	1.5	1.3	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.1
<b>Prenatal care began</b>											
1st Trimester	86.0	86.2	86.5	86.8	87.3	87.7	86.9	86.5	87.3	87.9	88.2
3rd Trimester	2.0	1.9	1.9	1.9	1.9	1.8	2.0	2.1	1.9	1.9	2.1
No Care	0.7	0.6	0.7	0.6	0.7	0.8	0.9	0.9	0.7	0.7	0.6
<b>Prenatal visits</b>											
1-4	2.1	2.0	2.2	2.3	2.1	2.0	2.0	2.1	2.0	1.8	1.7
≥5	93.6	94.9	95.4	94.0	96.1	97.1	96.9	97.0	97.2	97.3	97.5
≥9	82.6	84.7	84.1	82.8	85.2	85.7	84.9	84.6	85.0	86.4	87.6
≥13	34.2	35.2	33.4	32.1	30.6	29.9	32.4	34.6	34.8	35.0	37.4
<b>Medical risks/ Complications<sup>1</sup></b>	45.7	46.7	47.9	49.2	58.7	48.1	45.4	47.5	47.7	48.1	49.5
<b>Gestational Age<sup>2</sup></b>											
Preterm (<37 weeks)	10.5	10.1	10.5	11.0	11.4	10.9	10.5	10.4	10.1	9.9	9.2
<b>Birth weight</b>											
<2,500 grams	7.0	6.7	6.7	6.9	7.2	6.9	6.7	7.1	6.9	6.9	6.7
<1,500 grams	1.1	1.0	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9
<b>Child's sex</b>											
Male	51.5	51.2	51.7	51.2	51.0	51.5	51.3	50.8	51.1	51.2	51.4
Female	48.5	48.8	48.3	48.8	49.0	48.5	48.7	49.2	48.9	48.8	48.6
<b>Plurality</b>											
Multiple births	3.4	3.3	3.5	3.5	3.8	3.4	3.2	3.5	3.6	3.4	<b>3.5</b>
<b>Caesarean delivery</b>	20.6	22.2	23.8	24.2	25.9	27.1	27.9	28.6	29.5	29.5	<b>29.1</b>
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.0	98.0	98.2	97.9	97.6	97.8	97.9	97.9	97.9	97.6	<b>97.7</b>
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	5.1	5.0	4.0	3.9	3.6	3.1	3.8	3.6	4.0	4.5	<b>4.8</b>
<b>Previous live births</b>											
1 or more	58.6	59.7	59.3	58.9	59.8	59.2	58.9	59.7	59.5	59.4	<b>59.6</b>

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010**  
**(WHITE NON-HISPANIC MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of LBW births</b>	2,772	2,615	2,600	2,672	2,836	2,729	2,891	2,978	2,878	2,727	2,579
<b>Age of mother</b>											
≤19 years	11.4	9.7	9.3	9.5	9.3	8.6	8.6	8.8	7.6	8.7	7.1
≥30 years	40.1	42.9	42.7	44.5	41.9	40.5	41.8	40.9	41.8	43.2	43.6
<b>Marital status</b>											
Unmarried	30.8	27.8	31.7	30.3	30.3	32.7	33.0	34.6	34.1	33.5	34.7
<b>Mother's education</b>											
<9 years	1.7	2.3	2.1	2.0	1.6	1.8	1.8	1.6	1.4	1.1	1.1
<b>Prenatal care began</b>											
1st Trimester	81.4	83.6	83.5	83.4	84.8	86.9	85.6	86.2	86.5	86.8	86.1
3rd Trimester	2.2	1.7	2.0	2.4	1.7	1.6	1.7	1.8	1.7	1.9	2.1
No Care	2.0	1.6	2.1	2.1	1.9	2.1	3.0	2.4	2.1	1.9	2.2
<b>Prenatal visits</b>											
1-4	4.8	4.5	6.2	5.2	5.7	5.8	5.2	5.5	4.7	5.3	4.5
≥5	83.3	87.9	87.5	87.9	90.4	92.0	91.6	92.0	92.9	92.4	92.9
≥9	65.6	68.8	64.7	66.8	69.6	69.7	68.6	70.1	69.8	70.6	74.4
≥13	30.1	31.8	28.5	31.8	29.4	28.1	27.1	31.0	29.9	30.5	34.3
<b>Medical risks/</b>											
<b>    Complications<sup>1</sup></b>											
	70.9	70.6	72.6	69.6	66.2	70.9	66.5	68.6	71.5	71.5	73.2
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	73.2	73.2	74.4	72.4	76.8	74.3	74.6	74.0	72.9	71.7	69.5
<b>Birth weight</b>											
<1,500 grams	15.5	15.4	17.3	16.5	14.9	15.8	16.1	15.0	15.7	15.5	13.3
<1,000 grams	6.7	6.9	8.5	7.7	7.1	8.4	7.1	6.2	6.8	6.9	5.7
<b>Child's sex</b>											
Male	49.3	47.5	48.0	49.5	47.2	46.2	47.4	46.9	47.0	46.3	45.4
Female	50.7	52.5	52.0	50.5	52.8	53.8	52.6	53.1	53.0	53.7	54.6
<b>Plurality</b>											
Multiple births	28.7	28.1	29.1	29.6	30.3	28.8	28.7	29.6	30.1	26.7	29.2
<b>Caesarean delivery</b>											
	43.0	44.0	45.8	48.1	46.8	47.9	48.4	49.6	53.2	50.5	51.1
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.8	99.5	99.8	99.5	99.5	99.6	99.5	99.5	99.4	99.7	99.5
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	2.2	2.2	1.7	1.2	1.4	0.9	0.9	1.2	1.3	1.1	1.1
<b>Previous live births</b>											
1 or more	56.0	55.8	55.2	54.7	54.6	54.3	56.9	57.5	58.3	56.7	58.2

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010**  
**(HISPANIC OR LATINO MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of births</b>	33,893	35,103	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333
<b>Age of mother</b>											
≤19 years	19.3	18.9	18.2	17.4	17.5	17.1	17.2	17.0	16.8	16.5	15.6
≥30 years	21.4	22.4	22.9	23.6	24.7	25.6	25.5	26.5	27.5	28.4	29.4
<b>Marital status</b>											
Unmarried	51.4	51.0	52.2	52.7	53.9	54.3	55.4	56.7	56.5	56.9	56.2
<b>Mother's education</b>											
<9 years	20.0	19.7	19.0	19.2	18.8	17.5	16.4	15.4	13.9	12.3	10.7
<b>Prenatal care began</b>											
1st Trimester	63.5	65.3	65.6	65.8	67.0	69.5	70.1	70.5	73.4	74.1	76.6
3rd Trimester	7.2	6.8	6.6	6.2	6.3	5.2	5.1	4.9	4.5	4.4	4.1
No Care	3.6	3.2	3.8	4.8	4.5	3.6	3.6	3.2	2.5	2.9	2.6
<b>Prenatal visits</b>											
1-4	6.9	6.7	6.2	5.7	6.4	5.5	5.2	4.9	4.4	4.5	4.2
≥5	84.3	86.8	88.2	87.4	88.4	90.8	91.0	91.8	93.0	92.4	93.0
≥9	65.3	68.4	69.4	68.5	67.9	70.0	70.3	71.2	73.3	73.4	75.0
≥13	29.3	32.7	32.6	28.9	25.8	22.9	23.9	25.7	26.7	26.3	27.2
<b>Medical risks/</b>											
<b>Complications<sup>1</sup></b>											
42.1	41.6	41.0	38.1	39.3	40.5	41.5	41.4	43.7	46.4	48.0	
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	9.8	9.4	9.4	9.8	10.3	10.1	10.1	9.8	9.9	9.7	9.5
<b>Birth weight</b>											
<2,500 grams	6.7	6.7	6.4	6.9	6.8	6.4	6.9	6.6	6.7	6.6	6.8
<1,500 grams	1.1	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1
<b>Child's sex</b>											
Male	50.9	50.8	51.2	51.0	51.2	51.1	51.2	51.4	51.0	51.1	50.5
Female	49.1	49.2	48.8	49.0	48.8	48.9	48.8	48.6	49.0	48.9	49.5
<b>Plurality</b>											
Multiple births	2.0	2.1	2.1	2.3	2.2	2.3	2.4	2.2	2.2	2.2	2.3
<b>Caesarean delivery</b>											
17.4	18.6	19.5	21.1	21.9	23.5	24.0	24.6	25.7	25.8	25.9	
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.8	99.8	99.8	99.8	99.7	99.7	99.8	99.7	99.8	99.7	99.7
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	8.5	7.3	7.0	5.6	5.9	5.2	4.6	4.9	5.6	6.0	5.7
<b>Previous live births</b>											
1 or more	63.6	64.9	65.5	65.5	65.9	66.7	66.0	66.4	67.4	67.2	66.9

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010  
(HISPANIC OR LATINO MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of LBW births</b>	2,270	2,345	2,325	2,687	2,759	2,710	3,074	3,021	2,866	2,546	2,342
<b>Age of mother</b>											
≤19 years	23.4	23.2	21.4	21.1	18.9	19.6	20.5	19.4	18.7	18.1	17.1
≥30 years	23.7	22.4	23.8	24.4	26.7	26.6	27.0	28.5	29.0	31.7	32.6
<b>Marital status</b>											
Unmarried	58.1	56.6	56.3	57.0	58.0	59.2	58.6	60.2	58.6	58.7	60.6
<b>Mother's education</b>											
<9 years	20.4	20.8	18.8	19.1	18.2	16.8	15.0	15.7	12.2	12.2	9.5
<b>Prenatal care began</b>											
1st Trimester	60.5	64.1	64.9	65.8	67.2	69.5	71.1	69.7	74.8	75.9	76.7
3rd Trimester	6.3	5.4	5.2	4.0	3.9	3.4	3.6	4.0	3.2	2.7	3.2
No Care	6.8	6.6	6.7	7.5	6.5	6.7	6.4	6.0	4.7	5.2	3.9
<b>Prenatal visits</b>											
1-4	12.4	11.3	12.0	10.0	12.5	12.5	11.0	10.7	9.6	9.5	9.2
≥5	73.8	77.3	79.0	79.3	79.9	80.6	82.3	83.1	85.5	85.0	86.2
≥9	50.6	53.4	51.3	52.5	50.9	52.7	53.5	54.4	58.5	58.2	58.7
≥13	22.3	24.0	23.1	22.2	19.9	16.9	18.6	20.7	22.5	21.3	21.4
<b>Medical risks</b>											
<b>Complications<sup>1</sup></b>	67.0	63.9	64.0	58.5	61.1	63.5	62.4	62.2	67.1	69.0	72.8
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	69.8	69.1	68.4	69.7	71.7	74.3	71.5	71.6	72.0	71.1	70.9
<b>Birth weight</b>											
<1,500 grams	17.0	15.4	16.2	15.7	18.2	18.0	18.2	18.2	16.3	17.1	15.6
<1,000 grams	7.5	7.3	8.8	8.2	9.0	9.4	8.6	9.8	7.4	8.4	7.3
<b>Child's sex</b>											
Male	50.6	48.2	48.3	47.7	48.1	47.1	47.2	49.3	48.9	48.5	47.8
Female	49.4	51.8	51.7	52.3	51.9	52.9	52.8	50.7	51.1	51.5	52.2
<b>Plurality</b>											
Multiple births	16.3	18.8	19.1	18.7	19.5	18.9	19.1	19.5	18.3	18.6	18.8
<b>Caesarean delivery</b>											
	33.1	31.9	33.5	35.3	36.5	38.3	39.8	40.1	41.4	42.6	42.5
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.7	99.8	99.9	99.8	99.7	99.6	99.9	99.7	99.9	99.9	99.9
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	4.2	3.8	3.4	2.7	2.8	2.5	1.5	2.4	2.9	2.6	3.0
<b>Previous live births</b>											
1 or more	59.7	58.8	60.6	61.4	60.7	60.8	61.2	63.8	62.2	63.0	63.0

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010**  
**(BLACK OR AFRICAN AMERICAN MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of births</b>	2,760	2,736	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328
<b>Age of mother</b>											
≤19 years	20.7	19.9	17.0	18.2	16.8	16.5	15.6	14.9	15.3	13.8	13.0
≥30 years	23.9	21.5	25.1	23.9	25.7	25.3	26.2	27.0	26.7	28.2	28.3
<b>Marital status</b>											
Unmarried	62.2	64.2	61.8	62.7	62.0	61.9	62.3	61.9	62.6	62.7	63.1
<b>Mother's education</b>											
<9 years	2.7	2.7	2.5	2.6	3.0	4.8	4.6	4.4	5.0	4.4	5.2
<b>Prenatal care began</b>											
1st Trimester	71.1	73.8	75.2	75.7	75.8	76.6	77.4	76.8	77.6	80.3	81.6
3rd Trimester	3.4	4.1	3.6	4.4	4.4	3.4	2.8	3.7	3.7	2.9	3.3
No Care	2.4	1.6	1.7	3.5	3.3	2.6	2.3	2.7	2.1	1.6	1.7
<b>Prenatal visits</b>											
1-4	4.2	4.5	4.3	4.1	4.6	4.5	4.1	4.4	3.7	3.6	4.1
≥5	85.5	88.2	91.3	89.3	91.0	92.7	93.3	92.8	93.9	94.5	94.0
≥9	70.4	73.1	75.0	74.7	75.2	74.4	74.6	75.0	75.4	78.6	78.4
≥13	30.0	34.7	31.3	31.7	28.5	24.6	26.9	28.2	28.5	29.5	30.4
<b>Medical risks</b>											
<b>Complications<sup>1</sup></b>	47.9	46.1	48.5	46.6	44.1	44.4	44.4	46.4	50.3	53.4	56.0
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	14.9	14.8	14.0	14.4	14.4	16.4	14.5	14.9	14.0	14.4	12.3
<b>Birth weight</b>											
<2,500 grams	13.0	13.7	11.9	11.7	11.6	12.6	12.7	12.8	11.7	12.8	11.4
<1,500 grams	2.6	2.7	2.5	2.2	2.5	2.5	2.3	2.6	2.6	2.8	2.6
<b>Child's sex</b>											
Male	50.7	49.0	52.0	51.8	51.3	50.5	50.8	51.8	52.4	52.0	50.8
Female	49.3	51.0	48.0	48.2	48.7	49.5	49.2	48.2	47.6	48.0	49.2
<b>Plurality</b>											
Multiple births	3.7	4.7	3.3	3.8	3.4	3.1	3.8	3.6	4.1	4.2	3.3
<b>Caesarean delivery</b>	20.6	22.4	24.2	25.5	25.8	27.4	29.1	30.3	30.5	30.9	30.7
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.7	99.0	99.6	99.2	99.3	99.5	99.3	99.6	99.4	99.6	99.5
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	5.1	5.0	3.8	3.4	3.5	3.0	2.6	2.4	3.4	3.2	3.4
<b>Previous live births</b>											
1 or more	62.7	62.8	62.3	61.4	63.5	62.3	61.4	63.2	62.7	62.8	62.8

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010**  
**(BLACK OR AFRICAN AMERICAN MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of LBW births</b>	358	392	327	354	373	435	489	532	503	559	492
<b>Age of mother</b>											
≤19 years	23.7	17.9	18.0	16.9	18.0	16.8	17.0	15.8	16.7	13.8	17.5
≥30 years	24.9	28.0	29.1	24.6	26.8	26.7	29.2	28.2	31.8	30.6	27.6
<b>Marital status</b>											
Unmarried	68.0	68.3	67.0	68.1	68.4	65.7	66.1	66.4	65.2	69.8	72.2
<b>Mother's education</b>											
<9 years	3.7	2.4	1.8	2.5	2.1	6.2	4.3	5.5	4.4	3.2	4.3
<b>Prenatal care began</b>											
1st Trimester	67.1	69.9	74.0	74.0	72.1	75.6	75.9	77.4	77.7	79.4	82.5
3rd Trimester	2.3	2.4	2.8	5.4	3.5	2.3	1.6	3.4	3.4	2.5	1.6
No Care	6.3	4.5	4.6	5.9	6.7	4.4	3.5	3.6	4.4	4.1	2.4
<b>Prenatal visits</b>											
1-4	6.9	9.3	6.7	9.3	9.4	9.0	9.4	9.0	6.8	7.3	9.3
≥5	76.6	76.8	84.7	79.7	82.3	85.5	86.7	87.4	88.5	88.0	87.8
≥9	52.3	57.6	56.9	56.8	59.5	57.7	60.9	60.0	62.0	64.0	60.4
≥13	25.7	29.1	22.3	28.8	24.1	23.4	21.3	22.9	21.3	23.8	26.6
<b>Medical risks</b>											
<b>Complications<sup>1</sup></b>	69.7	67.2	65.1	59.3	61.7	64.1	63.0	67.7	68.4	72.8	74.0
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	70.1	69.1	68.5	70.1	71.6	74.3	70.6	70.1	71.6	72.1	68.9
<b>Birth weight</b>											
<1,500 grams	19.8	19.4	21.4	18.4	21.7	20.0	18.2	20.3	22.1	22.2	23.0
<1,000 grams	10.9	12.5	12.8	11.6	10.5	11.0	9.8	10.2	13.1	10.9	12.6
<b>Child's sex</b>											
Male	47.4	43.5	48.9	49.4	47.5	47.1	45.2	47.9	49.7	49.7	42.3
Female	52.6	56.5	51.1	50.6	52.5	52.9	54.6	52.1	50.3	50.3	57.7
<b>Plurality</b>											
Multiple births	20.9	25.1	18.7	19.5	20.1	14.5	18.2	18.6	19.1	22.0	19.7
<b>Caesarean delivery</b>	33.4	34.4	38.5	34.7	36.2	39.3	37.4	43.0	44.9	45.6	43.9
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.7	99.7	100.0	99.7	98.7	100.0	99.6	100.0	99.8	99.6	99.4
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	2.3	2.1	1.8	2.3	1.6	1.1	1.0	1.1	2.0	1.3	2.0
<b>Previous live births</b>											
1 or more	65.4	66.4	64.8	64.7	63.5	59.8	62.8	64.5	62.8	61.4	59.3

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010**  
**(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of births</b>	5,602	5,340	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815
<b>Age of mother</b>											
≤19 years	19.4	19.0	18.7	19.4	18.7	19.1	19.1	20.1	18.6	19.0	17.0
≥30 years	25.9	24.3	25.8	23.8	24.9	25.4	23.6	24.0	24.0	23.8	24.1
<b>Marital status</b>											
Unmarried	68.5	70.1	69.7	72.4	73.1	72.9	74.8	75.9	75.8	76.9	77.7
<b>Mother's education</b>											
<9 years	4.7	4.1	3.9	3.8	3.9	3.5	3.5	3.0	3.2	2.8	2.8
<b>Prenatal care began</b>											
1st Trimester	65.8	64.6	64.4	68.8	69.0	67.9	65.9	65.9	65.1	66.0	69.4
3rd Trimester	7.4	6.8	7.1	6.0	5.6	6.6	7.0	6.6	7.8	7.4	6.2
No Care	2.4	1.9	2.6	2.4	3.0	3.0	3.5	3.2	3.1	2.1	2.3
<b>Prenatal visits</b>											
1-4	10.2	9.7	9.8	9.3	9.0	9.6	9.7	8.8	9.3	8.6	8.8
≥5	84.2	85.5	85.6	85.7	87.0	87.3	86.5	87.7	87.4	88.9	88.5
≥9	59.6	60.3	61.2	60.9	62.5	63.3	60.5	61.2	59.9	61.5	64.0
≥13	20.0	20.3	19.0	20.4	20.6	19.5	18.3	19.4	18.7	17.9	18.8
<b>Medical risks/</b>											
<b>    Complications<sup>1</sup></b>											
Complications <sup>1</sup>	55.1	54.4	55.4	51.4	55.7	55.1	56.5	57.2	54.8	54.3	55.3
<b>    Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	9.4	10.1	9.6	9.8	10.9	10.6	11.7	10.4	9.8	9.6	10.6
<b>Birth weight</b>											
<2,500 grams	6.7	7.3	6.5	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0
<1,500 grams	1.4	1.0	0.9	0.9	0.9	1.1	1.1	1.0	1.1	0.9	1.2
<b>Child's sex</b>											
Male	50.9	50.0	50.4	49.5	51.2	50.9	50.0	50.2	50.1	50.4	50.4
Female	49.1	50.0	49.6	50.5	48.8	49.1	50.0	49.8	49.9	49.6	49.6
<b>Plurality</b>											
Multiple births	1.5	1.5	1.8	1.7	1.7	1.9	1.8	1.4	1.5	1.6	1.8
<b>Caesarean delivery</b>											
Caesarean delivery	15.8	16.7	18.4	19.2	19.4	20.6	22.4	22.9	23.1	23.2	22.9
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.6	99.4	99.6	99.5	99.6	99.5	99.6	99.7	99.7	99.7	99.6
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	34.4	31.4	33.0	31.5	32.3	31.6	28.8	29.3	28.0	27.6	28.6
<b>Previous live births</b>											
1 or more	70.1	68.1	67.9	66.8	67.2	67.5	68.1	66.5	66.9	66.6	67.3

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010  
 (AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)**

<b>Characteristic</b>	<b>2000</b>	<b>2001</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>Number of LBW births</b>	376	392	359	402	441	460	473	426	428	396	406
<b>Age of mother</b>											
≤19 years	17.7	20.4	16.2	15.2	18.6	19.6	19.2	22.8	16.8	18.2	15.3
≤30 years	30.6	28.6	33.4	31.6	28.3	29.8	28.5	28.4	26.6	28.8	29.6
<b>Marital status</b>											
Unmarried	69.9	71.7	70.5	72.9	74.6	73.3	76.5	75.8	80.1	79.3	75.4
<b>Mother's education</b>											
<9 years	4.2	4.3	4.2	6.0	4.5	3.9	4.2	2.1	4.4	2.5	3.0
<b>Prenatal care began</b>											
1st Trimester	61.3	63.3	61.6	65.2	67.1	67.0	63.0	67.4	66.8	65.2	69.7
3rd Trimester	5.2	3.8	4.7	5.7	3.2	4.8	7.0	5.4	6.8	5.8	4.2
No Care	7.5	4.8	9.2	7.5	5.9	8.5	9.5	8.5	7.5	4.3	6.7
<b>Prenatal visits</b>											
1-4	16.1	16.8	14.2	13.2	13.8	13.0	15.0	11.5	16.4	12.1	13.5
≥5	66.2	72.2	71.9	76.6	78.9	77.4	74.8	79.6	75.7	81.8	78.8
≥9	44.2	43.9	44.0	45.5	50.8	50.2	44.4	46.2	44.6	52.0	47.8
≥13	15.3	17.3	14.8	17.4	16.3	15.4	11.4	15.7	16.6	16.9	15.5
<b>Medical risks/ Complications<sup>1</sup></b>	78.4	79.8	77.4	72.9	71.7	72.8	74.8	69.7	66.1	69.4	74.4
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	72.9	71.2	70.5	69.7	68.5	70.2	74.2	71.8	71.7	69.7	74.9
<b>Birth weight</b>											
<1,500 grams	20.7	14.1	14.2	13.2	12.7	15.2	15.4	15.3	16.8	14.4	16.7
<1,000 grams	9.0	6.4	7.8	6.2	5.2	6.5	5.5	7.5	7.9	8.1	7.4
<b>Child's sex</b>											
Male	49.1	46.2	51.8	49.0	53.7	51.3	52.0	46.0	45.6	48.2	54.9
Female	50.9	53.8	48.2	51.0	46.3	48.7	48.0	54.0	54.4	51.8	45.1
<b>Plurality</b>											
Multiple births	13.5	9.7	11.7	15.2	13.2	11.7	13.5	11.3	13.3	13.1	15.5
<b>Caesarean delivery</b>	40.5	33.9	39.3	38.3	36.5	36.5	39.3	40.1	39.3	39.4	44.6
<b>Place of delivery</b>											
Hospital <sup>3</sup>	98.7	99.2	99.2	99.3	99.8	98.9	99.8	99.8	99.8	99.5	99.8
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	11.9	15.8	14.8	15.9	16.1	13.3	11.8	14.3	10.7	11.1	11.1
<b>Previous live births</b>											
1 or more	70.1	67.1	62.7	64.4	62.4	66.5	68.1	59.9	66.4	64.1	67.2

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010**  
**(ASIAN OR PACIFIC ISLANDER MOTHERS)**

Characteristic	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Number of births</b>	2,041	2,104	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293
<b>Age of mother</b>											
≤19 years	4.9	4.9	4.2	4.2	3.5	3.4	2.9	3.0	3.3	2.6	3.1
≥30 years	47.4	48.3	49.5	51.6	52.8	52.7	53.7	53.9	55.9	55.6	55.9
<b>Marital status</b>											
Unmarried	15.1	17.0	15.5	16.3	15.8	17.0	16.2	17.6	17.4	15.8	17.4
<b>Mother's education</b>											
<9 years	2.4	2.6	1.5	2.2	2.4	1.8	2.4	1.6	2.3	2.2	3.3
<b>Prenatal care began</b>											
1st Trimester	85.0	82.7	84.3	84.2	84.7	86.3	86.1	86.5	86.4	88.1	88.1
3rd Trimester	1.9	2.4	2.0	2.6	3.1	1.9	2.1	2.1	3.1	1.9	2.3
No Care	0.9	1.1	1.1	1.6	1.5	1.0	1.2	1.5	1.3	1.3	1.2
<b>Prenatal visits</b>											
1-4	2.4	2.4	2.2	2.9	2.9	2.5	2.0	1.8	2.4	2.1	1.9
≥5	92.6	94.6	94.4	92.5	94.9	96.4	96.5	96.6	96.2	96.4	96.7
≥9	82.6	82.1	81.9	80.5	82.3	84.1	82.7	83.9	83.2	85.6	86.7
≥13	31.3	29.6	27.8	26.2	24.6	25.8	30.3	35.3	33.5	35.6	36.0
<b>Medical risks/ Complications<sup>1</sup></b>	44.1	45.0	44.7	44.8	47.1	45.0	43.5	45.4	46.4	48.1	51.5
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	9.3	9.8	11.0	10.8	11.0	10.2	10.4	9.6	10.0	10.0	9.9
<b>Birth weight</b>											
<2,500 grams	7.4	7.7	8.6	8.5	8.0	8.0	8.5	8.0	9.1	8.8	8.5
<1,500 grams	1.0	0.9	1.2	1.5	1.1	1.2	1.1	1.0	1.5	1.5	1.4
<b>Child's sex</b>											
Male	50.4	49.9	50.4	50.8	52.5	50.7	52.2	53.2	51.3	51.7	50.7
Female	49.6	50.1	49.6	49.2	47.5	49.3	47.8	46.8	48.7	48.3	49.3
<b>Plurality</b>											
Multiple births	1.9	1.7	3.9	3.2	2.4	2.0	2.7	2.3	3.6	2.9	2.5
<b>Caesarean delivery</b>	19.7	23.8	16.2	25.6	26.5	28.1	30.5	30.0	32.0	32.6	32.8
<b>Place of delivery</b>											
Hospital <sup>3</sup>	99.5	99.4	99.1	99.2	99.3	99.5	99.4	99.5	99.4	99.4	99.6
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	4.0	4.0	2.8	2.9	2.8	2.3	2.1	1.7	2.7	3.0	2.8
<b>Previous live births</b>											
1 or more	51.3	53.0	52.4	53.0	53.8	54.4	53.3	54.5	52.9	54.8	55.5

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</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, 2000-2010  
(ASIAN OR PACIFIC ISLANDER MOTHERS)**

<b>Characteristic</b>	<b>2000</b>	<b>2001</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>Number of LBW births</b>	151	163	197	215	210	223	268	272	311	299	280
<b>Age of mother</b>											
≤19 years	7.9	6.1	6.6	1.4	6.2	3.6	1.1	2.2	3.5	3.3	5.4
≤30 years	41.7	48.5	52.3	60.5	51.9	50.2	53.7	55.5	59.5	54.8	52.1
<b>Marital status</b>											
Unmarried	20.5	18.4	21.8	14.4	20.0	22.4	18.7	16.9	21.5	20.4	18.9
<b>Mother's education</b>											
<9 years	3.3	1.8	1.5	2.3	1.9	1.3	3.0	1.1	2.6	1.7	3.2
<b>Prenatal care began</b>											
1st Trimester	76.2	82.8	86.8	83.7	87.6	83.9	87.7	83.8	82.6	87.0	84.3
3rd Trimester	3.3	0.6	1.0	1.9	2.4	3.6	1.5	1.5	3.5	3.0	2.9
No Care	4.0	3.1	4.6	3.3	1.9	2.7	3.0	3.7	4.2	2.0	1.4
<b>Prenatal visits</b>											
1-4	7.9	6.1	3.0	5.6	6.7	7.2	3.7	4.0	7.7	7.4	6.8
≥5	81.5	89.0	86.3	87.0	90.0	89.7	92.9	92.3	88.1	90.0	91.4
≥9	58.3	71.8	65.3	66.5	67.1	67.3	68.7	67.6	69.8	72.6	70.7
≥13	20.5	23.9	29.4	31.2	19.0	22.4	22.8	29.4	34.1	34.4	27.1
<b>Medical risks/ Complications<sup>1</sup></b>	64.2	65.0	63.5	55.8	59.5	67.7	67.9	66.5	61.1	70.2	74.3
<b>Gestational age<sup>2</sup></b>											
Preterm (<37 weeks)	80.1	73.6	82.7	69.3	60.0	65.9	67.2	68.0	60.5	66.2	65.4
<b>Birth weight</b>											
<1,500 grams	13.2	11.7	13.7	18.1	13.8	15.7	13.4	12.9	16.1	17.4	16.4
<1,000 grams	5.3	4.3	6.6	7.4	9.0	5.8	5.2	4.8	9.3	8.7	7.9
<b>Child's sex</b>											
Male	49.7	50.9	49.2	46.0	45.7	47.1	49.3	47.4	51.8	50.2	45.0
Female	50.3	49.1	50.8	54.0	54.3	52.9	50.7	52.6	48.2	49.8	55.0
<b>Plurality</b>											
Multiple births	13.2	12.9	30.5	28.4	21.4	19.7	19.0	21.7	26.7	22.4	18.9
<b>Caesarean delivery</b>	25.8	35.6	40.1	47.9	38.1	46.6	44.4	40.4	49.8	51.5	45.4
<b>Place of delivery</b>											
Hospital <sup>3</sup>	100.0	100.0	99.5	100.0	100.0	100.0	100.0	100.0	99.7	100.0	100.0
<b>Attendant at birth</b>											
Midwife <sup>4</sup>	1.3	1.2	0.5	0.5	1.4	0.4	1.9	1.1	2.6	1.7	1.1
<b>Previous live births</b>											
1 or more	43.7	47.2	44.2	47.9	51.4	55.6	50.0	47.1	51.8	48.8	49.6

<sup>1</sup>Reported medical risks for this pregnancy and/or complications of labor and delivery.

<sup>2</sup>Physician's estimate.

<sup>3</sup>Hospital, clinic, medical center or maternity home.

<sup>4</sup>Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-16  
SINGLE AND PLURAL LIVE BIRTHS BY BIRTHWEIGHT, ARIZONA RESIDENTS, 2000-2010**

Weight in grams	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Under 1000, total</b>	438	437	520	510	531	579	559	589	538	523	439
<b>Single</b>	350	346	396	393	434	452	413	450	419	431	346
<b>Plural</b>	88	91	124	117	97	127	146	139	119	92	93
<b>1,000-1,499, total</b>	552	486	462	514	569	540	670	634	618	577	505
<b>Single</b>	392	362	334	369	426	404	469	452	431	420	386
<b>Plural</b>	160	124	128	144	143	136	201	182	187	157	119
<b>1,500-1,999, total</b>	1,143	1,179	1,151	1,295	1,309	1,254	1,425	1,362	1,360	1,211	1,194
<b>Single</b>	799	796	808	913	882	909	979	935	944	835	823
<b>Plural</b>	344	383	343	382	427	345	446	427	416	376	371
<b>2,000-2,499, total</b>	3,843	3,841	3,793	4,108	4,295	4,267	4,612	4,700	4,510	4,262	4,017
<b>Single</b>	3,082	3,099	3,014	3,243	3,370	3,397	3,771	3,762	3,598	3,432	3,178
<b>Plural</b>	761	742	779	863	925	870	841	938	912	830	839
<b>2,500-3,999, total</b>	71,466	71,936	74,047	76,777	79,390	81,676	86,943	87,739	84,904	79,423	74,680
<b>Single</b>	70,550	71,009	73,035	75,685	78,324	80,530	85,755	86,631	83,674	78,297	73,596
<b>Plural</b>	916	927	1,012	1,063	1,066	1,146	1,188	1,108	1,230	1,126	1,084
<b>4,000 and over, total</b>	7,503	7,297	7,364	7,439	7,269	7,463	7,821	7,635	7,268	6,601	6,197
<b>Single</b>	7,501	7,295	7,363	7,434	7,266	7,462	7,817	7,634	7,267	6,601	6,194
<b>Plural</b>	2	2	1	2	3	1	4	1	1	0	3
<b>All weights, total <sup>1</sup></b>	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053
<b>Single</b>	82,714	82,943	84,984	88,167	90,732	93,173	99,216	99,889	96,347	90,034	84,535
<b>Plural</b>	2,271	2,270	2,395	2,581	2,663	2,625	2,830	2,798	2,868	2,582	2,509

<sup>1</sup> Includes records with unknown weight and/or plurality.

**TABLE 1B-17  
RESIDENT BIRTHS BY MONTH OF OCCURRENCE, ARIZONA, 2000-2010**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>2000</b>	7,051	6,498	6,987	6,431	6,799	6,867	7,273	7,608	7,666	7,345	7,172	7,288	84,985
<b>Percent</b>	8.3	7.6	8.2	7.6	8.0	8.1	8.6	9.0	9.0	8.6	8.4	8.6	100.0
<b>2001</b>	7,232	6,481	7,132	6,516	6,792	6,660	7,367	7,807	7,458	7,377	7,083	7,308	85,213
<b>Percent</b>	8.5	7.6	8.4	7.6	8.0	7.8	8.6	9.2	8.8	8.7	8.3	8.6	100.0
<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
<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

\* Includes 7 records where month of birth is missing.

**TABLE 1B-18  
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2010**

TOTAL	Month of birth											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>TOTAL</b>	87,053	7,342	6,812	7,521	6,886	6,989	7,153	7,637	7,977	7,331	7,038	7,378
<b>Day of birth</b>												
1	2,929	198	241	276	263	162	250	175	284	269	262	288
2	2,945	178	257	289	274	140	239	236	275	219	259	288
3	2,852	183	267	282	181	230	170	272	303	173	261	264
4	2,807	236	273	259	140	231	158	249	233	271	294	185
5	2,829	268	241	270	233	259	175	280	193	287	269	179
6	2,786	271	201	204	255	269	248	275	207	274	175	244
7	2,742	272	154	154	245	240	261	207	260	259	158	279
8	2,978	274	235	245	262	203	281	174	302	232	271	254
9	3,026	219	291	258	265	155	240	307	300	235	241	269
10	2,907	170	270	271	185	246	194	260	301	240	271	250
11	2,821	270	276	277	165	244	165	280	235	239	242	202
12	2,932	277	300	259	256	254	255	263	183	273	250	210
13	2,791	275	210	205	251	237	252	250	270	231	177	265
14	2,807	261	178	153	280	267	249	207	308	262	169	244
15	2,954	241	245	235	261	196	266	192	325	228	252	264
16	2,885	199	277	251	243	163	249	265	299	200	264	245
17	2,842	202	299	274	188	249	193	256	286	147	271	222
18	2,851	254	249	258	171	252	160	300	237	269	260	190
19	2,975	270	290	283	252	260	256	260	207	253	266	189
20	3,008	283	224	199	263	294	259	301	258	278	194	275
21	2,796	266	179	140	233	256	263	224	314	264	177	258
22	3,068	253	276	271	255	202	242	177	290	269	281	278
23	2,899	209	265	277	235	156	249	224	293	203	290	240
24	2,745	168	275	257	182	252	219	241	298	148	270	175
25	2,754	250	259	264	161	252	181	302	232	254	165	149
26	2,698	236	253	238	225	281	229	280	173	259	176	148
27	2,825	266	148	184	243	270	282	275	267	268	184	266
28	2,739	267	179	180	237	233	249	197	282	253	153	278
29	2,772	286		257	253	199	273	175	295	246	254	269
30	2,621	185		281	229	165	257	247	267	171	282	278
31	1,462	155		270		172	189	286		157		233

**TABLE 1B-19  
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2010**

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	4	5	0	1	0	0	0	0	0	0	10
15-17	30	566	241	37	8	0	2	0	1	0	885
18-19	4	755	1,421	634	55	11	3	0	0	0	2,883
20-24	2	483	2,523	8,895	1,675	337	87	20	0	0	14,022
25-29	0	49	470	6,491	11,007	2,278	394	51	1	0	20,741
30-34	0	6	97	1,725	7,090	8,497	1,489	135	6	0	19,045
35-39	0	1	27	521	1,894	4,881	3,753	390	13	0	11,480
40-44	0	1	8	171	595	1,335	1,933	690	39	0	4,772
45-49	0	0	8	64	183	405	572	322	59	0	1,613
50-54	0	0	1	23	52	102	152	101	18	1	450
55+	0	0	0	7	20	55	74	45	10	3	214
Unknown	65	1,044	1,605	3,647	2,321	1,398	656	185	9	1	10,931
<b>TOTAL</b>	<b>105</b>	<b>2,910</b>	<b>6,401</b>	<b>22,216</b>	<b>24,900</b>	<b>19,299</b>	<b>9,115</b>	<b>1,939</b>	<b>156</b>	<b>12</b>	<b>87,053</b>

**TABLE 1B-20  
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2010**

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	Other race	Un-known	
White non-Hispanic	29,240	3,681	389	400	920	23	68	34,721
Hispanic or Latino	4,234	23,614	238	688	212	11	38	29,035
Black or African American	1,112	853	2,511	134	125	6	12	4,753
American Indian or Alaska Native	319	347	25	3,324	30	4	8	4,057
Asian or Pacific Islander	463	219	19	41	1,758	1	0	2,501
Other race	29	25	2	6	3	41	1	107
Unknown	3,380	5,594	1,144	1,222	245	20	267	11,872
<b>TOTAL</b>	<b>38,777</b>	<b>34,333</b>	<b>4,328</b>	<b>5,815</b>	<b>3,293</b>	<b>106</b>	<b>401</b>	<b>87,053</b>

**TABLE 1B-21  
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2010**

Father's education	Mother's education							TOTAL
	<8	8	9-11	12	13-16	17+	Unknown	
<8	1,204	158	798	487	188	21	11	2,867
8	159	288	334	366	115	17	4	1,283
9-11	560	387	4,798	3,256	1,324	100	15	10,440
12	350	307	3,667	13,209	7,135	852	48	25,568
13-16	123	76	956	4,666	17,120	3,201	30	26,172
17+	25	8	72	562	3,723	4,189	18	8,597
Unknown	474	471	3,716	4,179	2,379	190	710	12,119
<b>TOTAL</b>	<b>2,895</b>	<b>1,695</b>	<b>14,341</b>	<b>26,725</b>	<b>31,984</b>	<b>8,570</b>	<b>836</b>	<b>87,053</b>



**TABLE 1B-22  
RESIDENT BIRTHS BY MOTHER'S RACE AND HISPANIC OR LATINO ORIGIN BY YEAR, ARIZONA, 2000-2010**

Mother's race/ethnicity	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total resident births, all groups	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053
White non-Hispanic or Latino	39,850	38,934	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777
Hispanic or Latino, total	33,893	35,103	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333
Mexican	32,771	33,929	34,886	37,322	38,823	39,946	42,870	43,587	40,004	36,680	32,374
Puerto Rican	239	259	251	273	297	321	254	388	327	351	316
Cuban	56	57	68	63	53	66	65	93	80	81	87
Other Central or South American	639	697	725	784	875	1,013	1,212	1,204	1,124	981	971
Other Hispanic	188	161	159	659	774	810	461	459	1,104	269	585
Black or African American	2,760	2,736	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328
American Indian or Alaska Native	5,602	5,340	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815
Asian and Pacific Islander, total	2,041	2,104	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293
Chinese	172	140	155	156	165	170	198	188	192	160	165
Japanese	56	64	67	71	50	68	75	65	52	51	48
Hawaiian	44	34	46	63	61	59	53	67	68	57	56
Filipino	260	264	288	327	318	348	354	429	372	368	383
Other Asian and Pacific Islander	1,509	1,602	1,725	1,907	2,020	2,160	2,456	2,663	2,741	2,760	2,641
Unknown (incl. unspecified other)	839	996	1,892	1,413	1,353	1,437	803	755	563	529	507



**TABLE 1B-24  
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY AND NUMBER OF  
PREVIOUS LIVE BIRTHS, ARIZONA, 2010**

	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>	87,053	105	2,910	6,401	22,216	24,900	19,299	9,115	1,939	156	12
	<b>None</b>	32,186	103	2,614	4,798	10,317	7,713	4,514	1,748	349	29	1
	<b>1</b>	25,620	1	275	1,305	7,505	7,867	5,717	2,456	452	41	1
	<b>2</b>	15,844	1	15	269	3,149	5,454	4,466	2,073	388	29	0
	<b>3</b>	7,712	0	4	25	953	2,485	2,551	1,388	287	18	1
	<b>4 or more</b>	5,669	0	1	4	288	1,377	2,049	1,447	462	39	2
	<b>Unknown</b>	22	0	1	0	4	4	2	3	1	0	7
<b>White non- Hispanic</b>	<b>TOTAL</b>	38,777	12	541	1,833	8,402	12,315	10,006	4,595	969	102	2
	<b>None</b>	15,662	12	517	1,496	4,593	4,710	2,929	1,145	237	22	1
	<b>1</b>	11,985	0	23	284	2,672	4,013	3,208	1,463	289	32	1
	<b>2</b>	6,408	0	1	46	877	2,299	2,018	961	188	18	0
	<b>3</b>	2,806	0	0	6	204	902	1,068	518	98	10	0
	<b>4 or more</b>	1,914	0	0	1	55	391	783	507	157	20	0
	<b>Unknown</b>	2	0	0	0	1	0	0	1	0	0	0
<b>Hispanic or Latino</b>	<b>TOTAL</b>	34,333	68	1,859	3,421	9,952	8,921	6,380	3,071	636	24	1
	<b>None</b>	11,363	68	1,656	2,457	4,056	1,913	841	315	54	3	0
	<b>1</b>	9,654	0	192	790	3,557	2,781	1,633	606	91	4	0
	<b>2</b>	7,131	0	7	156	1,643	2,447	1,930	815	130	3	0
	<b>3</b>	3,668	0	3	15	528	1,157	1,138	673	148	5	1
	<b>4 or more</b>	2,510	0	0	3	168	620	836	661	213	9	0
	<b>Unknown</b>	7	0	1	0	0	3	2	1	0	0	0
<b>Black or African American</b>	<b>TOTAL</b>	4,328	10	151	401	1,353	1,187	761	375	84	6	0
	<b>None</b>	1,608	10	137	299	594	322	154	78	13	1	0
	<b>1</b>	1,202	0	13	70	459	351	216	71	19	3	0
	<b>2</b>	754	0	1	29	210	249	161	86	17	1	0
	<b>3</b>	375	0	0	3	68	137	111	47	9	0	0
	<b>4 or more</b>	388	0	0	0	22	127	119	93	26	1	0
	<b>Unknown</b>	1	0	0	0	0	1	0	0	0	0	0
<b>American Indian or Alaska Native</b>	<b>TOTAL</b>	5,815	14	331	643	1,998	1,429	876	427	91	6	0
	<b>None</b>	1,901	12	280	456	762	237	101	48	5	0	0
	<b>1</b>	1,480	1	43	149	677	393	144	64	8	1	0
	<b>2</b>	1,039	1	6	37	376	347	186	73	12	1	0
	<b>3</b>	675	0	1	1	142	242	173	93	21	2	0
	<b>4 or more</b>	720	0	1	0	41	210	272	149	45	2	0
<b>Asian or Pacific Islander</b>	<b>TOTAL</b>	3,293	1	23	79	420	928	1,154	562	123	3	0
	<b>None</b>	1,466	1	19	71	269	495	447	135	29	0	0
	<b>1</b>	1,160	0	4	8	113	285	481	232	37	0	0
	<b>2</b>	425	0	0	0	26	93	146	123	36	1	0
	<b>3</b>	148	0	0	0	10	34	51	48	5	0	0
	<b>4 or more</b>	94	0	0	0	2	21	29	24	16	2	0
<b>Other race</b>	<b>TOTAL</b>	106	0	1	9	31	32	16	14	3	0	0
	<b>None</b>	38	0	1	7	12	8	7	3	0	0	0
	<b>4</b>	38	0	0	2	14	13	3	5	1	0	0
	<b>5</b>	20	0	0	0	5	5	5	3	2	0	0
	<b>6</b>	6	0	0	0	0	5	1	0	0	0	0
	<b>5 or more</b>	4	0	0	0	0	1	0	3	0	0	0
<b>Unknown</b>	<b>TOTAL</b>	401	0	4	15	60	88	106	71	33	15	9
	<b>None</b>	148	0	4	12	31	28	35	24	11	3	0
	<b>1</b>	101	0	0	2	13	31	32	15	7	1	0
	<b>2</b>	67	0	0	1	12	14	20	12	3	5	0
	<b>3</b>	34	0	0	0	1	8	9	9	6	1	0
	<b>4 or more</b>	39	0	0	0	0	7	10	10	5	5	2
	<b>Unknown</b>	12	0	0	0	3	0	0	1	1	0	7

Note: Totals include records with unknown number of previous live births.

**TABLE 1B-25  
CHANGES FROM 2000 TO 2010 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH  
BY AREA AND RACE/ETHNICITY**

Characteristics <sup>1</sup>	Urban <sup>2</sup>		Rural		White non-Hispanic		Hispanic or Latino		Black or African American		American Indian or Alaska Native		Asian or Pacific Islander	
	2000	2010	2000	2010	2000	2010	2000	2010	2000	2010	2000	2010	2000	2010
		% Change		% Change		% Change		% Change		% Change		% Change		% Change
<b>Number of births</b>	72,596	74,624	12,333	12,429	39,850	38,777	33,893	34,333	2,760	4,328	5,602	5,815	2,041	3,293
		<b>2.8</b>		<b>0.8</b>		<b>-2.7</b>		<b>1.3</b>		<b>56.8</b>		<b>3.8</b>		<b>61.3</b>
<b>Per 100 births:</b>														
<b>Teenage mother<sup>3</sup></b>	13.9	10.3	16.9	13.9	9.4	6.2	19.3	15.6	20.7	13.0	19.4	17.0	4.9	3.1
		<b>-25.9</b>		<b>-17.8</b>		<b>-34.0</b>		<b>-19.2</b>		<b>-37.2</b>		<b>-12.4</b>		<b>-36.7</b>
<b>Unwed mother</b>	38.5	43.6	44.2	51.2	24.8	29.9	51.4	56.2	62.2	63.1	68.5	77.7	15.1	17.4
		<b>13.2</b>		<b>15.8</b>		<b>20.6</b>		<b>9.3</b>		<b>1.4</b>		<b>13.4</b>		<b>15.2</b>
<b>Early prenatal care<sup>4</sup></b>	75.4	83.1	72.2	74.8	86.0	88.2	63.5	76.6	71.1	81.6	65.8	69.4	85.0	88.1
		<b>10.2</b>		<b>3.6</b>		<b>2.6</b>		<b>20.6</b>		<b>14.8</b>		<b>5.5</b>		<b>3.6</b>
<b>0-4 prenatal visits</b>	6.6	4.5	9.0	7.7	2.8	2.3	10.5	6.8	6.6	5.8	12.6	11.0	3.3	3.1
		<b>-31.8</b>		<b>-14.4</b>		<b>-17.9</b>		<b>-35.2</b>		<b>-12.1</b>		<b>-12.7</b>		<b>-6.1</b>
<b>Births with risk factors reported</b>	26.6	35.1	32.4	32.1	28.6	34.5	23.7	32.8	31.7	41.4	39.8	41.4	24.7	33.8
		<b>32.0</b>		<b>-0.9</b>		<b>20.6</b>		<b>38.4</b>		<b>30.6</b>		<b>4.0</b>		<b>36.8</b>
<b>Births with complications reported</b>	29.8	29.0	27.4	29.3	29.2	29.6	29.1	27.8	29.4	31.4	33.1	28.0	29.7	32.5
		<b>-2.7</b>		<b>6.9</b>		<b>1.4</b>		<b>-4.5</b>		<b>6.8</b>		<b>-15.4</b>		<b>9.4</b>
<b>Primary and repeat C-Section</b>	19.1	28.0	17.9	25.2	20.6	29.1	17.4	25.9	20.6	39.7	15.8	22.9	19.7	32.8
		<b>46.6</b>		<b>40.8</b>		<b>41.3</b>		<b>48.9</b>		<b>92.7</b>		<b>44.9</b>		<b>66.5</b>
<b>Births with abnormal conditions reported</b>	8.2	7.5	10.8	9.8	8.5	7.7	8.7	7.9	11.5	9.6	8.3	7.1	6.3	7.2
		<b>-8.5</b>		<b>-9.3</b>		<b>-9.4</b>		<b>-9.2</b>		<b>-16.5</b>		<b>-14.5</b>		<b>14.3</b>
<b>LBW rate</b>	7.2	7.0	7.1	7.4	7.2	6.7	6.8	6.8	12.7	11.4	6.9	7.0	7.6	8.5
		<b>-2.8</b>		<b>4.2</b>		<b>-6.9</b>		<b>0.0</b>		<b>-10.2</b>		<b>1.4</b>		<b>11.8</b>
<b>Newborn intensive care</b>	6.1	6.5	4.0	4.3	5.5	6.3	6.3	5.8	9.3	8.1	4.6	5.6	4.3	6.0
		<b>6.6</b>		<b>7.5</b>		<b>14.5</b>		<b>-7.9</b>		<b>-12.9</b>		<b>21.7</b>		<b>39.5</b>
<b>Births with congenital anomalies reported</b>	1.0	0.6	2.8	0.8	1.5	0.6	0.9	0.7	1.1	0.6	1.9	0.6	0.8	0.5
		<b>-40.0</b>		<b>-71.4</b>		<b>-60.0</b>		<b>-22.2</b>		<b>-45.5</b>		<b>-68.4</b>		<b>-37.5</b>
<b>Preterm births (&lt; 37 weeks)</b>	10.4	9.7	9.3	9.4	10.5	9.2	9.8	9.5	14.9	12.3	9.4	10.6	9.3	9.9
		<b>-6.7</b>		<b>1.1</b>		<b>-12.4</b>		<b>-3.1</b>		<b>-17.4</b>		<b>12.8</b>		<b>6.5</b>
<b>Births paid for by the AHCCCS<sup>5</sup></b>	41.4	53.1	49.0	54.4	24.1	26.0	63.3	72.6	52.1	67.1	51.2	57.0	15.1	29.9
		<b>28.3</b>		<b>11.0</b>		<b>7.9</b>		<b>14.7</b>		<b>28.8</b>		<b>11.3</b>		<b>98.0</b>

<sup>1</sup> Per 100 live births.  
<sup>2</sup> Urban = Maricopa, Pima, Pinal and Yuma counties. The remaining counties comprise Arizona's rural areas. See **Technical Notes** for more information.  
<sup>3</sup> Less than 20 years old.  
<sup>4</sup> Entered care in first trimester of pregnancy.  
<sup>5</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, 2010**

	TOTAL	Urban**	Rural	Mother's race/ethnicity						Unknown
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Other race	
<b>TOTAL</b>	87,053	74,624	12,429	38,777	34,333	4,328	5,815	3,293	106	401
<b>Mother's age group</b>										
<15	105	94	11	12	68	10	14	1	0	0
15-17	2,910	2,385	525	541	1,859	151	331	23	1	4
18-19	6,401	5,211	1,190	1,833	3,421	401	643	79	9	15
20-24	22,216	18,421	3,795	8,402	9,952	1,353	1,998	420	31	60
25-29	24,900	21,459	3,441	12,315	8,921	1,187	1,429	928	32	88
30-34	19,299	17,055	2,244	10,006	6,380	761	876	1,154	16	106
35-39	9,115	8,128	987	4,595	3,071	375	427	562	14	71
40-44	1,939	1,724	215	969	636	84	91	123	3	33
45+	156	139	17	102	24	6	6	3	0	15
Unknown	12	8	4	2	1	0	0	0	0	9
<b>Payee for birth</b>										
AHCCCS	46,393	39,637	6,756	13,963	24,941	2,902	3,312	983	66	226
IHS	1,740	344	1,396	46	27	6	1,657	2	1	1
Private insurance	35,681	32,105	3,576	23,262	8,029	1,330	686	2,205	35	134
Self	2,588	2,207	381	1,149	1,211	68	59	78	4	19
Unknown	651	331	320	357	125	22	101	25	0	21
<b>Mother's education</b>										
<8	2,895	2,721	174	178	2,415	173	47	79	1	2
8	1,695	1,487	208	244	1,245	54	118	29	2	3
9-11	14,341	11,940	2,401	2,889	9,099	610	1,568	146	8	21
12	26,725	22,123	4,602	10,218	11,967	1,534	2,328	594	39	45
13-16	31,984	27,763	4,221	19,117	8,039	1,647	1,550	1,503	45	83
17+	8,570	7,866	704	5,802	1,366	281	172	914	9	26
Unknown	836	717	119	329	202	29	32	28	2	214
<b>Marital status</b>										
Married	47,269	41,339	5,930	26,797	14,647	1,544	1,226	2,705	62	288
Unmarried	38,871	32,506	6,365	11,601	19,307	2,731	4,517	573	43	99
Other/Unknown*	913	779	134	379	379	53	72	15	1	14
<b>Weight gain</b>										
None	2,076	1,892	184	683	1,015	140	171	58	1	8
1-15 pounds	10,756	8,763	1,993	3,605	5,062	638	1,077	299	22	53
16-20 pounds	10,473	9,003	1,470	3,457	5,164	576	798	403	14	61
21-24 pounds	6,444	5,564	880	2,693	2,678	289	463	290	7	24
25-30 pounds	20,523	17,530	2,993	9,173	8,124	907	1,346	877	27	69
31+ pounds	36,335	31,622	4,713	19,024	12,156	1,762	1,840	1,358	34	161
Unknown	446	250	196	142	134	16	120	8	1	25
<b>Substance use</b>										
Drinker, nonsmoker	265	190	75	125	43	17	77	3	0	0
Smoker, nondrinker	3,874	2,973	901	2,831	556	280	114	47	1	45
Smoker and drinker	188	137	51	85	39	19	34	9	0	2
Nonsmoker and nondrinker	82,726	71,324	11,402	35,736	33,695	4,012	5,590	3,234	105	354

**TABLE 1B-26  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,  
ARIZONA, 2010**

	TOTAL	Urban**	Rural	Mother's race/ethnicity						Other race	Unknown		
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Other race				
<b>Length of gestation</b>													
<37 weeks	8,405	7,230	1,175	3,602	3,251	534	621	329	8	60			
37-41 weeks	78,313	67,165	11,148	35,033	30,990	3,770	5,142	2,954	97	327			
42+ weeks	305	211	94	137	88	20	46	10	1	3			
Unknown	30	18	12	5	4	4	6	0	0	11			
<b>Weight at birth</b>													
<1,000 grams	439	381	58	147	171	62	30	22	1	6			
1,000-1,499	505	423	82	195	194	51	38	24	1	2			
1,500-2,499	5,211	4,434	777	2,237	1,977	379	338	234	7	39			
2,500-3,999	74,680	63,888	10,792	33,217	29,671	3,666	4,867	2,848	91	320			
4000+ grams	6,197	5,481	716	2,977	2,316	170	540	165	6	23			
Unknown	14	10	4	4	4	0	2	0	0	4			
<b>Prenatal care</b>													
No care	1,382	1,162	220	220	878	74	132	41	3	34			
1st trimester	71,331	62,034	9,297	34,203	26,299	3,533	4,035	2,901	95	265			
2nd trimester	11,377	9,146	2,231	3,491	5,699	573	1,270	272	7	65			
3rd trimester	2,812	2,158	654	805	1,405	143	359	75	1	24			
Unknown	151	124	27	58	52	5	19	4	0	13			
<b>Prenatal visits</b>													
No visits	1,383	1,163	220	221	878	74	132	41	3	34			
1-4 visits	2,897	2,165	732	659	1,458	179	510	61	1	29			
5-8 visits	12,524	10,046	2,478	3,835	6,185	673	1,425	331	14	61			
9-12 visits	42,510	37,148	5,362	19,464	16,417	2,080	2,628	1,670	59	192			
13+ visits	27,540	23,967	3,573	14,519	9,329	1,315	1,092	1,184	29	72			
Unknown	199	135	64	79	66	7	28	6	0	13			
<b>Newborn intensive care</b>													
Yes	5,354	4,816	538	2,454	1,980	349	324	198	7	42			
No	81,637	69,757	11,880	36,286	32,349	3,975	5,489	3,090	99	349			
Unknown	62	51	11	37	4	4	2	5	0	10			
<b>Obstetric procedures</b>													
Amniocentesis	423	381	42	249	103	23	28	19	0	1			
Electro. Fetal Monit.	81,399	72,070	9,329	35,990	32,357	4,129	5,345	3,137	91	350			
Induction of labor	19,555	16,770	2,785	10,343	6,503	951	1,035	603	22	98			
Stimulation of labor	13,007	11,248	1,759	6,010	4,827	695	886	525	11	53			
Tocolysis	462	372	90	243	138	29	40	11	0	1			
Ultrasound	65,465	56,166	9,299	29,496	25,712	3,236	4,156	2,480	89	296			
Other	6,249	5,404	845	2,718	2,386	333	466	306	2	38			
<b>Method of delivery</b>													
Vaginal	62,205	52,997	9,208	27,161	25,167	2,961	4,361	2,190	67	298			
Vaginal after C-Section	820	724	96	338	289	39	125	24	1	4			
Primary C-Section	12,996	11,399	1,597	6,434	4,387	746	695	662	24	48			
Repeat C-Section	11,024	9,495	1,529	4,845	4,490	582	634	417	14	42			
Forceps	305	232	73	157	95	11	24	15	0	3			
Vacuum	2,605	2,133	472	1,245	958	125	111	149	3	14			

**TABLE 1B-26  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,  
ARIZONA, 2010**

	TOTAL	Urban**	Rural	Mother's race/ethnicity					Unknown	
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander		Other race
<b>Births with medical risk factors</b>	<b>Total</b>	26,169	3,993	13,370	11,276	1,790	2,409	1,112	32	173
Anemia	3,321	3,093	228	1,552	1,020	270	346	115	4	14
Cardiac disease	232	204	28	138	61	11	9	9	0	4
Lung disease	964	900	64	510	243	111	65	28	0	7
Diabetes	3,636	3,194	442	1,247	1,548	149	453	223	1	15
Genital herpes	898	854	44	533	219	75	42	24	1	4
Hydramnios	1,183	1,063	120	517	409	82	113	57	1	4
Hemoglobinopathy	16	16	0	11	3	1	1	0	0	0
Chronic hypertension	760	651	109	353	218	79	89	19	1	1
Pregnancy associated hypertension	3,400	2,944	456	1,600	1,119	200	356	104	2	19
Eclampsia	765	658	107	256	356	43	94	11	4	1
Previous infant 4000+g	306	271	35	164	86	8	38	8	1	1
Previous SGA infant	845	757	88	475	236	58	39	32	2	3
Renal disease	88	74	14	47	24	2	12	2	0	1
RH sensitization	76	57	19	60	9	4	1	1	0	1
Uterine bleeding	291	235	56	161	66	17	32	13	1	1
Incompetent cervix	207	198	9	114	49	24	4	14	0	2
Other	21,003	18,099	2,904	9,211	8,137	1,224	1,511	758	22	140
<b>Total</b>	<b>6,832</b>	<b>5,617</b>	<b>1,215</b>	<b>2,996</b>	<b>2,703</b>	<b>414</b>	<b>413</b>	<b>236</b>	<b>10</b>	<b>60</b>
<b>Abnormal conditions of the newborn</b>	<b>Total</b>	27	5	9	9	4	4	1	0	0
Anemia	36	31	5	22	11	1	1	1	0	0
Birth injury	3	3	0	0	0	1	2	0	0	0
Fetal Alcohol Syndrome	387	349	38	180	143	34	10	11	0	9
Membrane disease	83	62	21	38	19	8	16	2	0	0
Meconium aspiration	1,027	837	190	555	341	51	31	39	0	10
Assisted vent <30 min	338	285	53	167	121	15	23	9	1	2
Assisted vent >30 min	134	94	40	67	47	5	11	3	1	0
Newborn seizures	5,849	4,893	956	2,465	2,405	356	351	212	9	51
<b>Total</b>	<b>546</b>	<b>445</b>	<b>101</b>	<b>240</b>	<b>224</b>	<b>27</b>	<b>37</b>	<b>15</b>	<b>1</b>	<b>2</b>
<b>Births with congenital anomalies</b>	<b>Total</b>	5	0	1	3	0	1	0	0	0
Anencephalus	15	12	3	5	7	2	1	0	0	0
Spina Bifida	24	20	4	10	10	0	4	0	0	0
Hydrocephalus	2	2	0	1	1	0	0	0	0	0
Microcephalus	14	11	3	8	3	3	0	0	0	0
Other CNS Anomaly	81	70	11	40	30	2	7	2	0	0
Heart Malformations	102	77	25	37	50	11	1	3	0	0
Other Resp./Circulatory	3	2	1	1	2	0	0	0	0	0
Rectal Atresia	10	10	0	4	5	0	0	1	0	0
Fistula/Esoph. Atresia										

**TABLE 1B-26  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,  
ARIZONA, 2010**

	TOTAL	Urban**	Rural	Mother's race/ethnicity						Unknown
				White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Other race	
Omphalocele	26	20	6	13	6	1	5	1	0	0
Other Gastrointestinal	11	11	0	2	8	1	0	0	0	0
Malformed Genitalia	30	25	5	18	10	1	1	0	0	0
Renal Agenesis	4	3	1	1	1	1	1	0	0	0
Other Urogenital	15	13	2	6	7	0	0	1	0	1
Cleft Lip/Palate	57	46	11	27	22	0	7	0	1	0
Polydactyly	38	31	7	13	16	5	2	2	0	0
Club Foot	39	29	10	22	13	1	1	1	0	1
Diaphragmatic Hernia	6	4	2	3	2	0	1	0	0	0
Other Musculoskeletal	16	12	4	5	9	0	2	0	0	0
Down Syndrome	40	36	4	16	23	0	1	0	0	0
Other Chromosomal	28	23	5	12	8	1	6	1	0	0
Other	38	33	5	15	17	1	2	3	0	0
<b>Births with complications of labor</b>	<b>25,281</b>	<b>21,639</b>	<b>3,642</b>	<b>11,476</b>	<b>9,556</b>	<b>1,359</b>	<b>1,626</b>	<b>1,070</b>	<b>36</b>	<b>158</b>
Febrile	1,268	1,178	90	552	465	56	96	90	1	8
Meconium	3,786	3,470	316	1,478	1,649	251	227	156	0	25
Rupture of membrane	1,487	1,291	196	629	507	96	176	68	2	9
Abruption placenta	329	278	51	130	123	24	31	16	2	3
Placenta previa	305	271	34	152	105	11	20	16	0	1
Other bleeding	317	240	77	151	92	8	56	9	0	1
Seizures	28	25	3	7	14	2	4	1	0	0
Precipitous labor	1,054	843	211	427	440	44	99	34	2	8
Prolonged labor	659	568	91	330	183	26	83	33	1	3
Dysfunctional labor	1,626	1,347	279	813	489	91	151	77	0	5
Breech malpresentation	2,620	2,285	335	1,365	867	114	151	109	4	10
Cephalopelvic disp.	356	304	52	195	99	18	20	22	0	2
Cord prolapse	100	85	15	46	36	7	9	2	0	0
Anesthetic Complic.	48	41	7	23	14	6	2	3	0	0
Fetal distress	4,925	4,585	340	2,456	1,589	327	254	274	1	24
Other	12,731	10,431	2,300	5,588	5,149	662	696	501	29	106

\* "Refused", "Yes, divorced", " Unknown".  
 \*\* Urban = Maricopa, Pima, Pinal and Yuma counties. The remaining counties comprise Arizona's rural areas. See **Technical Notes** for more information.  
 Note: Among the 74,624 Urban births, there are 7 missing specific characteristics.



**TABLE 1B-27  
CHANGES FROM 2000 TO 2010 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH  
WHICH DIFFER BY PAYEE FOR THE DELIVERY**

Characteristics <sup>1</sup>	AHCCCS <sup>2</sup>			Indian Health Service			Private Health Insurance			Self		
	2000	2010	% Change	2000	2010	% Change	2000	2010	% Change	2000	2010	% Change
<b>Number of births</b>	36,086	46,393	<b>28.6</b>	1,480	1,740	<b>17.6</b>	42,884	35,681	<b>-16.8</b>	2,702	2,588	<b>-4.2</b>
<b>Per 100 births:</b>												
<b>Teenage mother<sup>3</sup></b>	23.8	17.0	<b>-28.6</b>	17.1	18.0	<b>5.3</b>	6.1	2.6	<b>-57.4</b>	13.7	9.0	<b>-34.3</b>
<b>Unwed mother</b>	63.6	65.4	<b>2.8</b>	57.4	80.4	<b>40.1</b>	17.3	16.7	<b>-3.5</b>	42.0	36.2	<b>-13.8</b>
<b>Early prenatal care<sup>4</sup></b>	61.3	75.6	<b>23.3</b>	45.6	61.4	<b>34.6</b>	88.8	92.8	<b>4.5</b>	55.3	67.2	<b>21.5</b>
<b>0-4 prenatal visits</b>	10.4	6.6	<b>-36.5</b>	17.3	12.9	<b>-25.4</b>	1.8	1.2	<b>-33.3</b>	23.9	18.6	<b>-22.2</b>
<b>Births with risk factors reported</b>	26.9	35.7	<b>32.7</b>	43.6	39.4	<b>-9.6</b>	27.5	33.9	<b>23.3</b>	26.8	25.6	<b>-4.5</b>
<b>Births with complications reported</b>	29.8	28.5	<b>-4.4</b>	36.9	29.7	<b>-19.5</b>	28.9	30.3	<b>4.8</b>	27.6	22.3	<b>-19.2</b>
<b>Primary and repeat C-Section</b>	16.8	25.3	<b>50.6</b>	13.6	19.7	<b>44.9</b>	21.3	31.9	<b>49.8</b>	13.3	17.7	<b>33.1</b>
<b>Births with abnormal conditions reported</b>	9.4	8.3	<b>-11.7</b>	8.3	6.6	<b>-20.5</b>	7.8	7.4	<b>-5.1</b>	10.3	6.5	<b>-36.9</b>
<b>LBW rate</b>	7.9	7.5	<b>-5.1</b>	6.6	5.8	<b>-12.1</b>	6.5	6.7	<b>3.1</b>	8.1	6.0	<b>-25.9</b>
<b>Newborn intensive care</b>	6.8	6.3	<b>-7.4</b>	3.6	3.4	<b>-5.6</b>	5.0	6.3	<b>26.0</b>	7.8	4.3	<b>-44.9</b>
<b>Births with congenital anomalies reported</b>	1.1	0.7	<b>-36.4</b>	2.3	0.7	<b>-69.6</b>	1.3	0.5	<b>-61.5</b>	0.9	0.4	<b>-55.6</b>
<b>Preterm birth &lt; 37 weeks</b>	10.5	9.9	<b>-5.7</b>	8.9	7.8	<b>-12.4</b>	10.0	9.4	<b>-6.0</b>	10.8	8.0	<b>-25.9</b>

<sup>1</sup>Per 100 live births.

<sup>2</sup>The Arizona Health Care Cost Containment System is the State's Medicaid program.

<sup>3</sup>Less than 20 years old.

<sup>4</sup>Entered care in first trimester of pregnancy.

**TABLE 1B-28  
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2010**

	TOTAL	Payee for birth				
		AHCCCS	IHS	Private Insurance	Self	Unknown
<b>TOTAL</b>	87,053	46,393	1,740	35,681	2,588	651
<b>Mother's age group</b>						
<15	105	89	6	6	4	0
15-17	2,910	2,392	115	291	95	17
18-19	6,401	5,402	192	633	135	39
20-24	22,216	15,613	605	5,302	515	181
25-29	24,900	11,706	417	11,864	741	172
30-34	19,299	7,162	247	11,069	694	127
35-39	9,115	3,275	128	5,300	330	82
40-44	1,939	710	28	1,108	68	25
45+	156	43	2	105	5	1
Unknown	12	1	0	3	1	7
<b>Mother's race/ethnicity</b>						
White non-Hispanic	38,777	13,963	46	23,262	1,149	357
Hispanic or Latino	34,333	24,941	27	8,029	1,211	125
Black or African American	4,328	2,902	6	1,330	68	22
American Indian or Alaska Native	5,815	3,312	1,657	686	59	101
Asian or Pacific Islander	3,293	983	2	2,205	78	25
Other race	106	66	1	35	4	0
Other/Unknown	401	226	1	134	19	21
<b>Mother's education</b>						
<8	2,895	2,607	15	155	102	16
8	1,695	1,443	38	94	84	36
9-11	14,341	12,230	486	1,122	375	128
12	26,725	17,550	721	7,496	735	223
13-16	31,984	11,238	425	19,163	976	182
17+	8,570	939	43	7,273	281	34
Unknown	836	386	12	378	35	25
<b>Marital status</b>						
Married	47,269	15,372	329	29,563	1,627	378
Unmarried	38,871	30,326	1,399	5,950	938	258
Other/Unknown*	913	695	12	168	23	15
<b>Weight gain</b>						
None	2,076	1,343	48	586	86	13
1-15 pounds	10,756	6,680	392	3,280	308	96
16-20 pounds	10,473	6,392	267	3,400	342	72
21-24 pounds	6,444	3,315	147	2,739	190	53
25-30 pounds	20,523	10,609	374	8,785	616	139
31+ pounds	36,335	17,863	463	16,804	1,001	204
Unknown	446	191	49	87	45	74
<b>Substance use</b>						
Drinker, nonsmoker	265	109	35	112	4	5
Smoker, nondrinker	3,874	3,005	22	731	86	30
Smoker and drinker	188	133	11	33	9	2
Nonsmoker and nondrinker	82,726	43,146	1,672	34,805	2,489	614

**TABLE 1B-28  
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2010**

	TOTAL	Payee for birth				
		AHCCCS	IHS	Private Insurance	Self	Unknown
<b>Length of gestation</b>						
<37 weeks	8,405	4,627	139	3,362	208	69
37-41 weeks	78,313	41,597	1,575	32,218	2,360	563
42+ weeks	305	160	22	98	18	7
Unknown	30	9	4	3	2	12
<b>Weight at birth</b>						
<1,000 grams	439	248	6	160	16	9
1,000-1,499	505	292	8	190	10	5
1,500-2,499	5,211	2,935	87	2,024	129	36
2,500-3,999	74,680	39,940	1,489	30,504	2,200	547
4000+ grams	6,197	2,974	150	2,799	231	43
Unknown	14	4	0	4	2	4
<b>Prenatal care</b>						
No care	1,382	946	32	81	281	42
1st trimester	71,331	35,088	1,069	33,119	1,736	319
2nd trimester	11,377	8,331	507	2,033	396	110
3rd trimester	2,812	1,941	129	417	166	159
Unknown	151	87	3	31	9	21
<b>Prenatal visits</b>						
No visits	1,383	947	32	81	281	42
1-4 visits	2,897	2,124	193	332	200	48
5-8 visits	12,524	8,598	544	2,858	390	134
9-12 visits	42,510	22,148	676	18,392	983	311
13+ visits	27,540	12,465	292	13,964	724	95
Unknown	199	111	3	54	10	21
<b>Newborn intensive care</b>						
Yes	5,354	2,911	59	2,248	112	24
No	81,637	43,460	1,681	33,408	2,474	614
Unknown	62	22	0	25	2	13
<b>Obstetric procedures</b>						
Amniocentesis	423	165	8	238	11	1
Electro. Fetal Monit	81,399	43,983	1,591	33,672	1,888	265
Induction of labor	19,555	9,914	314	8,911	315	101
Stimulation of labor	13,007	6,836	252	5,608	254	57
Tocolysis	462	241	13	200	4	4
Ultrasound	65,465	34,824	902	27,754	1,841	144
Other	6,249	3,122	95	2,900	116	16
<b>Method of delivery</b>						
Vaginal	62,205	34,263	1,336	23,999	2,099	508
Vaginal after C-Section	820	406	62	317	30	5
Primary C-Section	12,996	6,009	173	6,491	241	82
Repeat C-Section	11,024	5,716	169	4,874	218	47
Forceps	305	163	8	120	10	4
Vacuum	2,605	1,375	40	1,123	60	7

**TABLE 1B-28  
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2010**

	TOTAL	Payee for birth				
		AHCCCS	IHS	Private Insurance	Self	Unknown
<b>Births with medical risk factors</b>						
Total	30,162	16,582	686	12,085	662	147
Anemia	3,321	1,693	92	1,453	55	28
Cardiac disease	232	110	4	115	3	0
Lung disease	964	547	11	401	4	1
Diabetes	3,636	1,939	126	1,490	55	26
Genital herpes	898	431	3	450	12	2
Hydramnios	1,183	562	32	570	17	2
Hemoglobinopathy	16	7	0	9	0	0
Chronic hypertension	760	375	22	346	12	5
Pregnancy associated hypertension	3,400	1,697	90	1,542	50	21
Eclampsia	765	460	28	252	20	5
Previous infant 4000+g	306	139	9	142	13	3
Previous SGA infant	845	405	15	378	17	30
Renal disease	88	44	3	40	1	0
RH sensitization	76	27	1	45	2	1
Uterine bleeding	291	120	12	151	6	2
Incompetent cervix	207	60	2	139	5	1
Other	21,003	12,072	407	7,938	511	75
<b>Abnormal conditions of the newborn</b>						
Total	6,832	3,856	114	2,636	167	59
Anemia	27	18	1	7	1	0
Birth injury	36	23	0	13	0	0
Fetal Alcohol Syndrome	3	1	1	0	0	1
Membrane disease	387	226	1	149	10	1
Meconium aspiration	83	41	5	32	3	2
Assisted vent <30 min	1,027	465	13	494	47	8
Assisted vent >30 min	338	171	6	139	11	11
Newborn seizures	134	76	4	50	4	0
Other	5,849	3,369	90	2,213	133	44
<b>Births with congenital anomalies</b>						
Total	546	331	13	185	11	6
Anencephalus	5	2	0	2	0	1
Spina Bifida	15	11	0	4	0	0
Hydrocephalus	24	17	1	5	0	1
Microcephalus	2	0	0	2	0	0
Other CNS Anomaly	14	8	0	6	0	0
Heart Malformations	81	43	5	31	2	0
Other Resp./Circulatory	102	75	1	23	3	0
Rectal Atresia	3	3	0	0	0	0

**TABLE 1B-28  
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2010**

	TOTAL	Payee for birth				
		AHCCCS	IHS	Private Insurance	Self	Unknown
Fistula/Esoph. Atresia	10	4	0	6	0	0
Omphalocele	26	16	3	7	0	0
Other Gastrointestinal	11	9	0	2	0	0
Malformed Genitalia	30	19	1	8	2	0
Renal Agenesis	4	1	0	3	0	0
Other Urogenital	15	9	0	6	0	0
Cleft Lip/Palate	57	29	2	24	0	2
Polydactyly	38	27	0	8	2	1
Club Foot	39	24	0	13	2	0
Diaphragmatic Hernia	6	2	0	4	0	0
Other Muscoskeletal	16	12	0	4	0	0
Down Syndrome	40	22	1	16	1	0
Other Chromosomal	28	16	0	11	0	1
Other	38	21	1	16	0	0
<b>Total</b>	<b>25,281</b>	<b>13,212</b>	<b>517</b>	<b>10,828</b>	<b>576</b>	<b>148</b>
<b>Births with complications of labor and/or delivery</b>						
Febrile	1,268	589	42	616	17	4
Meconium	3,786	2,123	73	1,448	112	30
Rupture of membrane	1,487	733	69	655	18	12
Abruption placenta	329	194	10	114	9	2
Placenta previa	305	125	2	170	7	1
Other bleeding	317	138	29	135	14	1
Seizures	28	17	1	7	2	1
Precipitous labor	1,054	580	27	368	63	16
Prolonged labor	659	277	35	325	15	7
Dysfunctional labor	1,626	794	61	751	17	3
Breech malpresentation	2,620	1,181	39	1,335	45	20
Cephalopelvic disp.	356	146	10	184	5	11
Cord prolapse	100	56	2	33	5	4
Anesthetic Complic.	48	25	0	23	0	0
Fetal distress	4,925	2,241	59	2,533	76	16
Other	12,731	7,256	206	4,917	286	66

\* "Refused", "Yes, divorced", "Unknown"

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

Note: Included in total births are 7 birth records with missing specific characteristics.

**TABLE 1B-29  
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY AND PARTY PAYING FOR THE DELIVERY,  
ARIZONA, 2010**

		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	AHCCCS	46,393	89	2,392	5,402	15,613	11,706	7,162	3,275	710	43	1
	IHS	1,740	6	115	192	605	417	247	128	28	2	0
	Private insurance	35,681	6	291	633	5,302	11,864	11,069	5,300	1,108	105	3
	Self	2,588	4	95	135	515	741	694	330	68	5	1
	Unknown	651	0	17	39	181	172	127	82	25	1	7
	TOTAL	87,053	105	2,910	6,401	22,216	24,900	19,299	9,115	1,939	156	12
White non- Hispanic	AHCCCS	13,963	10	414	1,494	5,032	3,931	2,060	855	158	8	1
	IHS	46	0	1	8	11	13	10	3	0	0	0
	Private insurance	23,262	2	114	298	3,115	7,890	7,484	3,511	759	88	1
	Self	1,149	0	8	24	151	377	373	174	37	5	0
	Unknown	357	0	4	9	93	104	79	52	15	1	0
	TOTAL	38,777	12	541	1,833	8,402	12,315	10,006	4,595	969	102	2
Hispanic or Latino	AHCCCS	24,941	61	1,636	3,066	7,983	5,882	3,970	1,915	414	14	0
	IHS	27	0	2	5	5	10	2	3	0	0	0
	Private insurance	8,029	3	135	241	1,616	2,693	2,127	1,010	194	10	0
	Self	1,211	4	77	96	312	305	262	131	23	0	1
	Unknown	125	0	9	13	36	31	19	12	5	0	0
	TOTAL	34,333	68	1,859	3,421	9,952	8,921	6,380	3,071	636	24	1
Black or African American	AHCCCS	2,902	9	123	348	1,068	755	389	174	34	2	0
	IHS	6	0	1	0	3	1	1	0	0	0	0
	Private insurance	1,330	1	22	47	250	412	351	194	49	4	0
	Self	68	0	3	5	23	14	16	7	0	0	0
	Unknown	22	0	2	1	9	5	4	0	1	0	0
	TOTAL	4,328	10	151	401	1,353	1,187	761	375	84	6	0
American Indian or Alaska Native	AHCCCS	3,312	8	199	414	1,219	797	443	185	44	3	0
	IHS	1,657	6	111	179	584	391	234	122	28	2	0
	Private insurance	686	0	15	30	145	201	170	109	15	1	0
	Self	59	0	5	6	15	17	14	0	2	0	0
	Unknown	101	0	1	14	35	23	15	11	2	0	0
	TOTAL	5,815	14	331	643	1,998	1,429	876	427	91	6	0
Asian or Pacific Islander	AHCCCS	983	1	16	62	244	278	242	102	35	3	0
	IHS	2	0	0	0	1	1	0	0	0	0	0
	Private insurance	2,205	0	5	12	160	622	880	442	84	0	0
	Self	78	0	2	4	11	21	23	14	3	0	0
	Unknown	25	0	0	1	4	6	9	4	1	0	0
	TOTAL	3,293	1	23	79	420	928	1,154	562	123	3	0
Other race	AHCCCS	66	0	1	8	25	18	6	7	1	0	0
	IHS	1	0	0	0	1	0	0	0	0	0	0
	Private insurance	35	0	0	1	4	14	9	6	1	0	0
	Self	4	0	0	0	1	0	1	1	1	0	0
	TOTAL	106	0	1	9	31	32	16	14	3	0	0
Unknown	AHCCCS	226	0	3	10	42	45	52	37	24	13	0
	IHS	1	0	0	0	0	1	0	0	0	0	0
	Private insurance	134	0	0	4	12	32	48	28	6	2	2
	Self	19	0	0	0	2	7	5	3	2	0	0
	Unknown	21	0	1	1	4	3	1	3	1	0	7
	TOTAL	401	0	4	15	60	88	106	71	33	15	9

**TABLE 1B-30  
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY AND TRIMESTER  
OF PREGNANCY PRENATAL CARE BEGAN, ARIZONA, 2010**

		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>	1,382	5	94	146	421	319	221	131	35	10	0
	<b>1st trimester</b>	71,331	52	1,953	4,649	17,345	21,116	16,664	7,828	1,595	125	4
	<b>2nd trimester</b>	11,377	37	671	1,301	3,535	2,729	1,953	898	235	17	1
	<b>3rd trimester</b>	2,812	11	183	289	874	704	432	246	69	4	0
	<b>Unknown</b>	151	0	9	16	41	32	29	12	5	0	7
	<b>TOTAL</b>	87,053	105	2,910	6,401	22,216	24,900	19,299	9,115	1,939	156	12
<b>White non- Hispanic</b>	<b>No care</b>	220	0	6	13	69	49	46	30	6	1	0
	<b>1st trimester</b>	34,203	7	397	1,416	7,039	11,081	9,134	4,180	858	90	1
	<b>2nd trimester</b>	3,491	5	110	336	1,042	939	684	286	79	9	1
	<b>3rd trimester</b>	805	0	26	61	236	235	128	93	24	2	0
	<b>Unknown</b>	58	0	2	7	16	11	14	6	2	0	0
	<b>TOTAL</b>	38,777	12	541	1,833	8,402	12,315	10,006	4,595	969	102	2
<b>Hispanic or Latino</b>	<b>No care</b>	878	4	73	112	267	199	131	72	19	1	0
	<b>1st trimester</b>	26,299	34	1,239	2,442	7,497	7,086	5,077	2,432	470	21	1
	<b>2nd trimester</b>	5,699	25	419	697	1,734	1,291	952	461	118	2	0
	<b>3rd trimester</b>	1,405	5	123	163	436	334	212	104	28	0	0
	<b>Unknown</b>	52	0	5	7	18	11	8	2	1	0	0
	<b>TOTAL</b>	34,333	68	1,859	3,421	9,952	8,921	6,380	3,071	636	24	1
<b>Black or African American</b>	<b>No care</b>	74	0	4	3	34	17	8	8	0	0	0
	<b>1st trimester</b>	3,533	4	106	306	1,065	998	651	320	79	4	0
	<b>2nd trimester</b>	573	5	33	76	200	138	77	40	2	2	0
	<b>3rd trimester</b>	143	1	8	15	53	32	25	7	2	0	0
	<b>Unknown</b>	5	0	0	1	1	2	0	0	1	0	0
	<b>TOTAL</b>	4,328	10	151	401	1,353	1,187	761	375	84	6	0
<b>American Indian or Alaska Native</b>	<b>No care</b>	132	1	8	15	42	33	20	8	4	1	0
	<b>1st trimester</b>	4,035	7	197	413	1,342	1,035	657	324	58	2	0
	<b>2nd trimester</b>	1,270	2	101	168	479	277	150	67	24	2	0
	<b>3rd trimester</b>	359	4	23	46	130	78	45	27	5	1	0
	<b>Unknown</b>	19	0	2	1	5	6	4	1	0	0	0
	<b>TOTAL</b>	5,815	14	331	643	1,998	1,429	876	427	91	6	0
<b>Asian or Pacific Islander</b>	<b>No care</b>	41	0	3	2	8	17	8	2	1	0	0
	<b>1st trimester</b>	2,901	0	11	56	328	817	1,051	521	114	3	0
	<b>2nd trimester</b>	272	0	7	17	66	72	74	30	6	0	0
	<b>3rd trimester</b>	75	1	2	4	18	21	20	7	2	0	0
	<b>Unknown</b>	4	0	0	0	0	1	1	2	0	0	0
	<b>TOTAL</b>	3,293	1	23	79	420	928	1,154	562	123	3	0
<b>Other race</b>	<b>No care</b>	3	0	0	1	1	0	0	0	1	0	0
	<b>1st trimester</b>	95	0	1	6	28	28	16	14	2	0	0
	<b>2nd trimester</b>	7	0	0	2	2	3	0	0	0	0	0
	<b>3rd trimester</b>	1	0	0	0	0	1	0	0	0	0	0
	<b>Unknown</b>	106	0	1	9	31	32	16	14	3	0	0
	<b>TOTAL</b>	106	0	1	9	31	32	16	14	3	0	0
<b>Unknown</b>	<b>No care</b>	34	0	0	0	0	4	8	11	4	7	0
	<b>1st trimester</b>	265	0	2	10	46	71	78	37	14	5	2
	<b>2nd trimester</b>	65	0	1	5	12	9	16	14	6	2	0
	<b>3rd trimester</b>	24	0	1	0	1	3	2	8	8	1	0
	<b>Unknown</b>	13	0	0	0	1	1	2	1	1	0	7
	<b>TOTAL</b>	401	0	4	15	60	88	106	71	33	15	9

**TABLE 1B-31  
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY AND NUMBER OF PRENATAL VISITS,  
ARIZONA, 2010**

	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 visits</b>	1,383	5	94	146	421	319	222	131	35	10	0
	<b>1-4 visits</b>	2,897	7	178	309	979	687	448	227	56	6	0
	<b>5-8 visits</b>	12,524	28	675	1,284	3,763	3,179	2,285	1,042	256	11	1
	<b>9-12 visits</b>	42,510	44	1,340	3,127	10,835	12,383	9,516	4,309	892	64	0
	<b>13+ visits</b>	27,540	21	614	1,514	6,169	8,286	6,785	3,387	695	65	4
	<b>Unknown</b>	199	0	9	21	49	46	43	19	5	0	7
<b>TOTAL</b>	<b>87,053</b>	<b>105</b>	<b>2,910</b>	<b>6,401</b>	<b>22,216</b>	<b>24,900</b>	<b>19,299</b>	<b>9,115</b>	<b>1,939</b>	<b>156</b>	<b>12</b>	
<b>White non-Hispanic</b>	<b>No visits</b>	221	0	6	13	69	49	47	30	6	1	0
	<b>1-4 visits</b>	659	0	19	76	222	172	104	49	16	1	0
	<b>5-8 visits</b>	3,835	3	107	266	1,027	1,129	843	359	89	11	1
	<b>9-12 visits</b>	19,464	6	272	940	4,196	6,296	5,018	2,239	453	44	0
	<b>13+ visits</b>	14,519	3	135	527	2,868	4,652	3,976	1,909	403	45	1
	<b>Unknown</b>	79	0	2	11	20	17	18	9	2	0	0
<b>TOTAL</b>	<b>38,777</b>	<b>12</b>	<b>541</b>	<b>1,833</b>	<b>8,402</b>	<b>12,315</b>	<b>10,006</b>	<b>4,595</b>	<b>969</b>	<b>102</b>	<b>2</b>	
<b>Hispanic or Latino</b>	<b>No visits</b>	878	4	73	112	267	199	131	72	19	1	0
	<b>1-4 visits</b>	1,458	4	114	158	464	338	233	125	22	0	0
	<b>5-8 visits</b>	6,185	18	433	721	1,915	1,460	1,028	493	117	0	0
	<b>9-12 visits</b>	16,417	30	841	1,648	4,843	4,335	3,060	1,361	289	10	0
	<b>13+ visits</b>	9,329	12	393	775	2,442	2,574	1,913	1,018	188	13	1
	<b>Unknown</b>	66	0	5	7	21	15	15	2	1	0	0
<b>TOTAL</b>	<b>34,333</b>	<b>68</b>	<b>1,859</b>	<b>3,421</b>	<b>9,952</b>	<b>8,921</b>	<b>6,380</b>	<b>3,071</b>	<b>636</b>	<b>24</b>	<b>1</b>	
<b>Black or African American</b>	<b>No visits</b>	74	0	4	3	34	17	8	8	0	0	0
	<b>1-4 visits</b>	179	2	11	17	70	43	25	10	0	1	0
	<b>5-8 visits</b>	673	2	26	84	235	166	107	46	7	0	0
	<b>9-12 visits</b>	2,080	2	72	203	628	584	369	175	44	3	0
	<b>13+ visits</b>	1,315	4	38	92	386	375	250	135	33	2	0
	<b>Unknown</b>	7	0	0	2	0	2	2	1	0	0	0
<b>TOTAL</b>	<b>4,328</b>	<b>10</b>	<b>151</b>	<b>401</b>	<b>1,353</b>	<b>1,187</b>	<b>761</b>	<b>375</b>	<b>84</b>	<b>6</b>	<b>0</b>	
<b>American Indian or Alaska Native</b>	<b>No visits</b>	132	1	8	15	42	33	20	8	4	1	0
	<b>1-4 visits</b>	510	1	32	51	204	109	67	31	12	3	0
	<b>5-8 visits</b>	1,425	5	101	192	502	325	191	88	21	0	0
	<b>9-12 visits</b>	2,628	5	142	286	910	650	405	193	37	0	0
	<b>13+ visits</b>	1,092	2	46	98	333	302	189	104	16	2	0
	<b>Unknown</b>	28	0	2	1	7	10	4	3	1	0	0
<b>TOTAL</b>	<b>5,815</b>	<b>14</b>	<b>331</b>	<b>643</b>	<b>1,998</b>	<b>1,429</b>	<b>876</b>	<b>427</b>	<b>91</b>	<b>6</b>	<b>0</b>	
<b>Asian or Pacific Islander</b>	<b>No visits</b>	41	0	3	2	8	17	8	2	1	0	0
	<b>1-4 visits</b>	61	0	2	7	14	17	16	5	0	0	0
	<b>5-8 visits</b>	331	0	6	17	70	84	100	42	12	0	0
	<b>9-12 visits</b>	1,670	1	10	36	205	451	601	305	58	3	0
	<b>13+ visits</b>	1,184	0	2	17	123	358	427	205	52	0	0
	<b>Unknown</b>	6	0	0	0	0	1	2	3	0	0	0
<b>TOTAL</b>	<b>3,293</b>	<b>1</b>	<b>23</b>	<b>79</b>	<b>420</b>	<b>928</b>	<b>1,154</b>	<b>562</b>	<b>123</b>	<b>3</b>	<b>0</b>	
<b>Other race</b>	<b>No visits</b>	3	0	0	1	1	0	0	0	1	0	0
	<b>1-4 visits</b>	1	0	0	0	1	0	0	0	0	0	0
	<b>5-8 visits</b>	14	0	0	2	2	9	1	0	0	0	0
	<b>9-12 visits</b>	59	0	1	4	22	14	9	7	2	0	0
	<b>13+ visits</b>	29	0	0	2	5	9	6	7	0	0	0
	<b>Unknown</b>	106	0	1	9	31	32	16	14	3	0	0
<b>Unknown</b>	<b>No visits</b>	34	0	0	0	0	4	8	11	4	7	0
	<b>1-4 visits</b>	29	0	0	0	4	8	3	7	6	1	0
	<b>5-8 visits</b>	61	0	2	2	12	6	15	14	10	0	0
	<b>9-12 visits</b>	192	0	2	10	31	53	54	29	9	4	0
	<b>13+ visits</b>	72	0	0	3	12	16	24	9	3	3	2
	<b>Unknown</b>	13	0	0	0	1	1	2	1	1	0	7
<b>TOTAL</b>	<b>401</b>	<b>0</b>	<b>4</b>	<b>15</b>	<b>60</b>	<b>88</b>	<b>106</b>	<b>71</b>	<b>33</b>	<b>15</b>	<b>9</b>	



**TABLE 1B-32  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2010**

	TOTAL	Prenatal care					Visits					
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown			
<b>Mother's age group</b>												
<b>TOTAL</b>	87,053	1,382	71,331	11,377	2,812	151	4,280	82,574	199			
<15	105	5	52	37	11	0	12	93	0			
15-17	2,910	94	1,953	671	183	9	272	2,629	9			
18-19	6,401	146	4,649	1,301	289	16	455	5,925	21			
20-24	22,216	421	17,345	3,535	874	41	1,400	20,767	49			
25-29	24,900	319	21,116	2,729	704	32	1,006	23,848	46			
30-34	19,299	221	16,664	1,953	432	29	670	18,586	43			
35-39	9,115	131	7,828	898	246	12	358	8,738	19			
40-44	1,939	35	1,595	235	69	5	91	1,843	5			
45+	156	10	125	17	4	0	16	140	0			
Unknown	12	0	4	1	0	7	0	5	7			
<b>Payee for birth</b>												
AHCCCS	46,393	946	35,088	8,331	1,941	87	3,071	43,211	111			
IHS	1,740	32	1,069	507	129	3	225	1,512	3			
Private insurance	35,681	81	33,119	2,033	417	31	413	35,214	54			
Self	2,588	281	1,736	396	166	9	481	2,097	10			
Unknown	651	42	319	110	159	21	90	540	21			
<b>Mother's education</b>												
<8	2,895	116	1,960	656	161	2	296	2,596	3			
8	1,695	80	1,127	354	132	2	212	1,481	2			
9-11	14,341	478	10,116	2,936	782	29	1,392	12,916	33			
12	26,725	445	21,222	4,054	957	47	1,421	25,240	64			
13-16	31,984	179	28,360	2,773	627	45	737	31,180	67			
17+	8,570	22	7,993	452	99	4	111	8,453	6			
Unknown	836	62	553	152	54	15	111	708	17			
<b>Marital status</b>												
Married	47,269	332	41,602	4,246	1,032	57	1,216	45,962	91			
Unmarried	38,871	1,027	29,051	6,981	1,734	78	2,994	35,785	92			
Other/Unknown*	913	23	678	150	46	16	70	827	16			
<b>Weight gain</b>												
None	2,076	158	1,423	291	147	57	324	1,693	59			
1-15 pounds	10,756	231	8,144	1,722	649	10	959	9,783	14			
16-20 pounds	10,473	223	8,214	1,676	349	11	644	9,812	17			
21-24 pounds	6,444	86	5,302	888	163	5	241	6,197	6			
25-30 pounds	20,523	286	17,155	2,540	532	10	834	19,659	30			
31+ pounds	36,335	323	30,884	4,190	922	16	1,134	35,173	28			
Unknown	446	75	209	70	50	42	144	257	45			
<b>Substance use</b>												
Drinker, nonsmoker	265	14	180	56	13	2	37	226	2			
Smoker, nondrinker	3,874	153	2,821	685	199	16	417	3,439	18			
Smoker and drinker	188	17	125	36	9	1	32	155	1			
Nonsmoker and nondrinker	82,726	1,198	68,205	10,600	2,591	132	3,794	78,754	178			

**TABLE 1B-32  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2010**

	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	8,405	305	6,896	945	229	30	909	7,458	38	
37-41 weeks	78,313	1,047	64,219	10,376	2,564	107	3,319	74,848	146	
42+ weeks	305	23	209	55	18	0	43	262	0	
Unknown	30	7	7	1	1	14	9	6	15	
<b>Weight at birth</b>										
<1,000 grams	439	32	351	53	2	1	155	282	2	
1,000-1,499	505	23	409	58	6	9	79	417	9	
1,500-2,499	5,211	140	4,223	675	157	16	420	4,769	22	
2,500-3,999	74,680	1,110	61,113	9,878	2,473	106	3,408	71,128	144	
4000+ grams	6,197	75	5,230	712	173	7	213	5,974	10	
Unknown	14	2	5	1	1	5	5	4	5	
<b>Newborn intensive care</b>										
Yes	5,354	179	4,336	657	160	22	538	4,790	26	
No	81,637	1,202	66,948	10,720	2,648	119	3,738	77,736	163	
Unknown	62	1	47	0	4	10	4	48	10	
<b>Obstetric procedures</b>										
Amniocentesis	423	5	378	34	5	1	18	404	1	
Electro. Fetal Monit.	81,399	1,224	67,074	10,528	2,461	112	3,834	77,412	153	
Induction of labor	19,555	75	16,531	2,416	517	16	469	19,054	32	
Stimulation of labor	13,007	160	10,813	1,674	360	0	537	12,456	14	
Tocolysis	462	4	401	46	11	0	19	443	0	
Ultrasound	65,465	859	53,649	8,729	2,120	108	3,114	62,204	147	
Other	6,249	69	5,221	774	180	5	263	5,980	6	
Vaginal	62,205	1,077	50,381	8,540	2,101	106	3,184	58,876	145	
Vaginal after C-Section	820	16	640	131	31	2	65	754	1	
Primary C-Section	12,996	151	11,100	1,392	327	26	514	12,454	28	
Repeat C-Section	11,024	138	9,211	1,314	353	8	517	10,491	16	
Forceps	305	4	244	45	12	0	20	284	1	
Vacuum	2,605	30	2,145	340	86	4	101	2,499	5	
<b>Births with medical risk factors</b>										
Total	30,162	737	23,627	4,355	1,360	83	2,260	27,815	87	
Anemia	3,321	74	2,642	459	140	6	231	3,085	5	
Cardiac disease	232	1	207	21	2	1	2	229	1	
Lung disease	964	7	832	97	28	0	37	927	0	
Diabetes	3,636	16	3,097	416	103	4	112	3,518	6	
Genital herpes	898	3	797	77	20	1	19	878	1	
Hydramnios	1,183	19	995	134	34	1	57	1,125	1	
Hemoglobinopathy	16	0	16	0	0	0	0	16	0	
Chronic hypertension	760	6	639	89	23	3	32	726	2	
Pregnancy associated hypertension	3,400	44	2,864	386	96	10	150	3,240	10	

**TABLE 1B-32  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2010**

	TOTAL	Prenatal care						Visits		
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown	
Eclampsia	765	20	621	95	24	5	52	707	6	
Previous infant 4000+g	306	4	251	42	9	0	8	297	1	
Previous SGA infant	845	9	706	88	42	0	44	801	0	
Renal disease	88	0	77	9	2	0	4	84	0	
RH sensitization	76	0	67	9	0	0	1	75	0	
Uterine bleeding	291	5	259	19	5	3	14	274	3	
Incompetent cervix	207	2	193	10	2	0	10	197	0	
Other	21,003	681	15,703	3,385	1,163	71	2,000	18,929	74	
<b>Total</b>	<b>6,832</b>	<b>204</b>	<b>5,215</b>	<b>1,108</b>	<b>276</b>	<b>29</b>	<b>622</b>	<b>6,181</b>	<b>29</b>	
<b>Abnormal conditions of the newborn</b>										
Anemia	27	2	20	5	0	0	3	24	0	
Birth injury	36	0	29	6	0	1	0	35	1	
Fetal Alcohol Syndrome	3	1	1	1	0	0	2	1	0	
Membrane disease	387	16	309	43	9	10	43	334	10	
Meconium aspiration	83	1	67	10	4	1	4	78	1	
Assisted vent <30 min	1,027	16	775	187	47	2	56	969	2	
Assisted vent >30 min	338	19	248	48	22	1	53	284	1	
Newborn seizures	134	2	106	22	4	0	6	128	0	
Other	5,849	176	4,431	977	243	22	556	5,271	22	
<b>Total</b>	<b>546</b>	<b>16</b>	<b>411</b>	<b>95</b>	<b>23</b>	<b>1</b>	<b>53</b>	<b>492</b>	<b>1</b>	
<b>Births with congenital anomalies</b>										
Anencephalus	5	0	2	3	0	0	1	4	0	
Spina Bifida	15	0	12	3	0	0	0	15	0	
Hydrocephalus	24	1	14	8	1	0	2	22	0	
Microcephalus	2	0	2	0	0	0	0	2	0	
Other CNS Anomaly	14	0	11	3	0	0	0	14	0	
Heart Malformations	81	0	76	4	1	0	0	81	0	
Other Resp./Circulatory	102	6	70	21	4	1	24	77	1	
Rectal Atresia	3	0	2	0	1	0	1	2	0	
Fistula/Esoph. Atresia	10	0	9	1	0	0	0	10	0	
Omphalocele	26	3	18	5	0	0	4	22	0	
Other Gastrointestinal	11	0	7	3	1	0	1	10	0	
Malformed Genitalia	30	1	19	8	2	0	2	28	0	
Renal Agenesis	4	0	2	2	0	0	0	4	0	
Other Urogenital	15	0	11	3	1	0	1	14	0	
Cleft Lip/Palate	57	0	43	11	3	0	1	56	0	
Polydactyly	38	1	30	5	2	0	4	34	0	
Club Foot	39	1	30	8	0	0	2	37	0	
Diaphragmatic Hernia	6	0	5	0	1	0	0	6	0	

**TABLE 1B-32  
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2010**

	TOTAL	Prenatal care						Visits		
		No care	1st trimester	2nd trimester	3rd trimester	Unknown	Less than 5	5 or more	Unknown	
Other Musculoskeletal	16	1	10	3	2	0	2	14	0	
Down Syndrome	40	2	31	4	3	0	6	34	0	
Other Chromosomal	28	0	22	5	1	0	3	25	0	
Other	38	0	28	8	2	0	2	36	0	
<b>Births with complications</b>	<b>25,281</b>	<b>475</b>	<b>20,522</b>	<b>3,357</b>	<b>857</b>	<b>70</b>	<b>1,543</b>	<b>23,663</b>	<b>75</b>	
<b>Febrile</b>	1,268	12	1,082	153	20	1	35	1,232	1	
<b>Meconium</b>	3,786	94	2,960	574	147	11	251	3,522	13	
<b>Rupture of membrane</b>	1,487	40	1,232	164	42	9	132	1,346	9	
<b>Abruption placenta</b>	329	9	259	45	15	1	49	279	1	
<b>Placenta previa</b>	305	2	262	33	7	1	14	290	1	
<b>Other bleeding</b>	317	8	263	32	13	1	20	296	1	
<b>Seizures</b>	28	2	22	2	2	0	7	21	0	
<b>Precipitous labor</b>	1,054	53	762	174	61	4	144	905	5	
<b>Prolonged labor</b>	659	4	565	64	25	1	23	635	1	
<b>Dysfunctional labor</b>	1,626	8	1,438	135	40	5	40	1,581	5	
<b>Breech malpresentation</b>	2,620	44	2,241	270	55	10	147	2,463	10	
<b>Cephalopelvic disp.</b>	356	2	301	48	4	1	9	346	1	
<b>Cord prolapse</b>	100	1	79	12	7	1	10	89	1	
<b>Anesthetic complications</b>	48	0	42	6	0	0	0	48	0	
<b>Fetal distress</b>	4,925	81	4,310	445	84	5	189	4,730	6	
<b>Other</b>	12,731	243	9,905	2,003	522	58	895	11,777	59	

\* "Refused", "Yes, divorced", "Unknown"

Note: Included in total births are 7 birth records with missing specific characteristics.

**TABLE 1B-33  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2010**

	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>	87,053	6,155	80,877	14	8,405	78,313	305	30
<b>Mother's age group</b>								
<15	105	15	90	0	16	89	0	0
15-17	2,910	244	2,665	1	319	2,580	11	0
18-19	6,401	495	5,906	0	569	5,804	27	1
20-24	22,216	1,508	20,703	5	1,967	20,158	82	9
25-29	24,900	1,568	23,330	2	2,263	22,540	92	5
30-34	19,299	1,332	17,964	3	1,906	17,331	60	2
35-39	9,115	764	8,349	2	1,047	8,037	27	4
40-44	1,939	197	1,741	1	265	1,667	5	2
45+	156	31	125	0	50	105	1	0
Unknown	12	1	4	0	3	2	0	7
<b>Payee for birth</b>								
AHCCCS	46,393	3,475	42,914	4	4,627	41,597	160	9
IHS	1,740	101	1,639	0	139	1,575	22	4
Private insurance	35,681	2,374	33,303	4	3,362	32,218	98	3
Self	2,588	155	2,431	2	208	2,360	18	2
Unknown	651	50	590	4	69	563	7	12
<b>Mother's education</b>								
<8	2,895	188	2,707	0	258	2,619	18	0
8	1,695	104	1,590	1	169	1,519	5	2
9-11	14,341	1,096	13,243	2	1,478	12,805	55	3
12	26,725	2,021	24,701	3	2,685	23,942	93	5
13-16	31,984	2,105	29,876	3	2,928	28,952	97	7
17+	8,570	569	8,001	0	793	7,742	34	1
Unknown	836	72	759	5	94	734	3	5
<b>Marital status</b>								
Married	47,269	3,033	44,229	7	4,312	42,799	152	6
Unmarried	38,871	3,042	35,823	6	3,969	34,737	149	16
Other/Unknown*	913	80	825	1	124	777	4	8
<b>Weight gain</b>								
None	2,076	242	1,833	1	313	1,757	4	2
1-15 pounds	10,756	1,203	9,551	2	1,414	9,300	40	2
16-20 pounds	10,473	899	9,572	2	1,229	9,202	40	2
21-24 pounds	6,444	529	5,915	0	646	5,786	12	0
25-30 pounds	20,523	1,290	19,233	0	1,816	18,630	73	4
31+ pounds	36,335	1,928	34,405	2	2,914	33,287	130	4
Unknown	446	64	368	7	73	351	6	16

**TABLE 1B-33  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2010**

	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	265	33	232	0	39	224	1	1
Smoker, nondrinker	3,874	481	3,391	2	522	3,339	13	0
Smoker and drinker	188	23	165	0	21	166	1	0
<b>Nonsmoker and nondrinker</b>	<b>82,726</b>	<b>5,618</b>	<b>77,089</b>	<b>12</b>	<b>7,823</b>	<b>74,584</b>	<b>290</b>	<b>29</b>
<b>Prenatal care</b>								
No care	1,382	195	1,185	2	305	1,047	23	7
1st trimester	71,331	4,983	66,343	5	6,896	64,219	209	7
2nd trimester	11,377	786	10,590	1	945	10,376	55	1
3rd trimester	2,812	165	2,646	1	229	2,564	18	1
Unknown	151	26	113	5	30	107	0	14
<b>Prenatal visits</b>								
No visits	1,383	195	1,186	2	305	1,048	23	7
1-4 visits	2,897	459	2,435	3	604	2,271	20	2
5-8 visits	12,524	1,453	11,070	1	1,919	10,571	34	0
9-12 visits	42,510	2,349	40,159	2	3,319	39,067	119	5
13+ visits	27,540	1,666	25,873	1	2,220	25,210	109	1
Unknown	199	33	154	5	38	146	0	15
<b>Newborn intensive care</b>								
Yes	5,354	2,524	2,827	3	3,110	2,224	17	3
No	81,637	3,626	78,003	8	5,288	76,044	288	17
Unknown	62	5	47	3	7	45	0	10
<b>Obstetric procedures</b>								
Amniocentesis	423	83	340	0	133	290	0	0
Electro. Fetal Monit.	81,399	5,820	75,573	6	7,960	73,161	268	10
Induction of labor	19,555	886	18,665	4	932	18,528	93	2
Stimulation of labor	13,007	714	12,293	0	1,044	11,918	43	2
Tocolysis	462	93	369	0	129	330	2	1
Ultrasound	65,465	4,792	60,666	7	6,412	58,804	238	11
Other	6,249	457	5,792	0	627	5,600	21	1
<b>Method of delivery</b>								
Vaginal	62,205	3,250	58,944	11	4,612	57,355	223	15
Vaginal after C-Section	820	46	774	0	65	750	4	1
Primary C-Section	12,996	2,073	10,923	0	2,446	10,481	67	2
Repeat C-Section	11,024	786	10,237	1	1,282	9,728	11	3
Forceps	305	14	291	0	23	277	4	1
Vacuum	2,605	84	2,521	0	139	2,456	10	0

**TABLE 1B-33  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2010**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
<b>Births with medical risk factors</b>								
Total	30,162	3,408	26,753	1	4,593	25,469	98	2
Anemia	3,321	274	3,047	0	387	2,925	9	0
Cardiac disease	232	19	213	0	27	204	1	0
Lung disease	964	84	880	0	116	846	2	0
Diabetes	3,636	340	3,296	0	660	2,968	8	0
Genital herpes	898	49	849	0	77	821	0	0
Hydramnios	1,183	224	959	0	260	920	3	0
Hemoglobinopathy	16	0	16	0	1	15	0	0
Chronic hypertension	760	151	609	0	198	562	0	0
hypertension	3,400	640	2,760	0	827	2,563	9	1
Eclampsia	765	227	538	0	285	480	0	0
Previous infant 4000 +g	306	10	296	0	21	283	2	0
Previous SGA infant	845	156	689	0	261	583	1	0
Renal disease	88	18	70	0	27	61	0	0
RH sensitization	76	2	74	0	7	69	0	0
Uterine bleeding	291	50	241	0	70	220	0	1
Incompetent cervix	207	79	128	0	98	108	1	0
Other	21,003	2,455	18,547	1	3,230	17,698	73	2
<b>Total</b>	<b>6,832</b>	<b>1,749</b>	<b>5,079</b>	<b>4</b>	<b>2,135</b>	<b>4,669</b>	<b>25</b>	<b>3</b>
<b>Abnormal conditions of the newborn</b>								
Anemia	27	4	22	1	6	20	0	1
Birth injury	36	2	34	0	4	32	0	0
Fetal Alcohol Syndrome	3	2	1	0	2	1	0	0
Membrane disease	387	181	206	0	234	152	1	0
Meconium aspiration	83	4	79	0	4	76	3	0
Assisted vent <30 min	1,027	142	885	0	199	826	2	0
Assisted vent >30 min	338	123	214	1	141	196	1	0
Newborn seizures	134	6	127	1	10	123	1	0
Other	5,849	1,556	4,292	1	1,878	3,948	21	2
<b>Total</b>	<b>546</b>	<b>120</b>	<b>423</b>	<b>3</b>	<b>143</b>	<b>401</b>	<b>1</b>	<b>1</b>
<b>Births with congenital anomalies</b>								
Anencephalus	5	2	3	0	3	1	1	0
Spina Bifida	15	2	12	1	5	10	0	0
Hydrocephalus	24	6	18	0	12	12	0	0
Microcephalus	2	0	2	0	1	1	0	0

**TABLE 1B-33  
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2010**

	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	14	3	11	0	4	10	0	0
Heart Malformations	81	11	70	0	14	67	0	0
Other Resp./Circulatory	102	39	63	0	41	60	0	1
Rectal Atresia	3	0	3	0	0	3	0	0
Fistula/Esoph. Atresia	10	3	7	0	3	7	0	0
Omphalocele	26	9	17	0	11	15	0	0
Other Gastrointestinal	11	5	6	0	5	6	0	0
Malformed Genitalia	30	6	24	0	5	25	0	0
Renal Agenesis	4	2	2	0	2	2	0	0
Other Urogenital	15	1	14	0	4	11	0	0
Cleft Lip/Palate	57	5	52	0	6	51	0	0
Polydactyly	38	6	32	0	5	33	0	0
Club Foot	39	6	33	0	7	32	0	0
Diaphragmatic Hernia	6	2	4	0	2	4	0	0
Other Musculoskeletal	16	4	12	0	3	13	0	0
Down Syndrome	40	12	28	0	12	28	0	0
Other Chromosomal	28	6	22	0	8	20	0	0
Other	38	7	29	2	8	30	0	0
<b>Total</b>	<b>25,281</b>	<b>3,025</b>	<b>22,251</b>	<b>5</b>	<b>3,878</b>	<b>21,273</b>	<b>125</b>	<b>5</b>
<b>Births with complications</b>								
Febrile	1,268	77	1,191	0	101	1,159	8	0
Meconium	3,786	122	3,664	0	150	3,604	31	1
Rupture of membrane	1,487	582	904	1	882	605	0	0
Abruption placenta	329	111	218	0	142	187	0	0
Placenta previa	305	79	226	0	133	172	0	0
Other bleeding	317	43	274	0	52	260	5	0
Seizures	28	9	19	0	12	16	0	0
Precipitous labor	1,054	93	961	0	113	936	5	0
Prolonged labor	659	29	630	0	49	598	12	0
Dysfunctional labor	1,626	71	1,555	0	101	1,513	11	1
Breech malpresentation	2,620	697	1,923	0	831	1,779	8	2
Cephalopelvic disp.	356	5	351	0	13	338	5	0
Cord prolapse	100	13	87	0	18	82	0	0
Anesthetic complications	48	2	46	0	8	40	0	0
Fetal distress	4,925	714	4,209	2	779	4,120	25	1
Other	12,731	1,366	11,362	3	1,726	10,940	63	2

\* "Refused", "Yes, divorced", "Unknown"  
Note: Included in total births are 7 birth records with missing specific characteristics.



**TABLE 1B-34  
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2010**

	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>														
TOTAL	87,053	105	2,910	6,401	22,216	24,900	19,299	9,115	1,939	156	12			
White non-Hispanic	38,777	12	541	1,833	8,402	12,315	10,006	4,595	969	102	2			
Hispanic or Latino	34,333	68	1,859	3,421	9,952	8,921	6,380	3,071	636	24	1			
Black or African American	4,328	10	151	401	1,353	1,187	761	375	84	6	0			
American Indian or Alaska Native	5,815	14	331	643	1,998	1,429	876	427	91	6	0			
Asian or Pacific Islander	3,293	1	23	79	420	928	1,154	562	123	3	0			
Other race	106	0	1	9	31	32	16	14	3	0	0			
Unknown	401	0	4	15	60	88	106	71	33	15	9			
<b>Payee for birth</b>														
AHCCCS	46,393	89	2,392	5,402	15,613	11,706	7,162	3,275	710	43	1			
IHS	1,740	6	115	192	605	417	247	128	28	2	0			
Private insurance	35,681	6	291	633	5,302	11,864	11,069	5,300	1,108	105	3			
Self	2,588	4	95	135	515	741	694	330	68	5	1			
Unknown	651	0	17	39	181	172	127	82	25	1	7			
<b>Mother's education</b>														
<8	2,895	23	54	93	456	778	816	520	150	5	0			
8	1,695	53	197	134	407	420	300	153	29	2	0			
9-11	14,341	28	2,194	2,204	4,423	2,843	1,709	764	170	6	0			
12	26,725	0	431	3,238	9,583	7,156	4,133	1,767	391	26	0			
13-16	31,984	0	24	695	6,902	11,034	8,589	3,907	774	59	0			
17+	8,570	0	0	4	313	2,471	3,498	1,869	378	36	1			
Unknown	836	1	10	33	132	198	254	135	47	22	4			
<b>Marital status</b>														
Married	47,269	0	153	940	8,021	15,628	14,187	6,834	1,374	128	4			
Unmarried	38,871	104	2,752	5,442	13,981	8,973	4,886	2,174	530	28	1			
Other/Unknown*	913	1	5	19	214	299	226	107	35	0	7			
<b>Weight gain</b>														
None	2,076	1	59	138	547	613	441	223	51	3	0			
1-15 pounds	10,756	13	321	676	2,814	3,028	2,363	1,226	298	16	1			
16-20 pounds	10,473	15	365	685	2,661	2,885	2,344	1,232	269	17	0			
21-24 pounds	6,444	6	189	418	1,581	1,795	1,501	773	169	12	0			
25-30 pounds	20,523	19	622	1,472	5,160	5,983	4,663	2,124	442	38	0			
31+ pounds	36,335	50	1,333	2,961	9,327	10,489	7,909	3,496	699	69	2			
Unknown	446	1	21	51	126	107	78	41	11	1	9			
<b>Substance use</b>														
Drinker, nonsmoker	265	0	4	13	52	72	69	46	9	0	0			
Smoker, nondrinker	3,874	0	79	327	1,252	1,131	677	321	79	8	0			
Smoker and drinker	188	0	4	14	49	57	42	11	11	0	0			
Nonsmoker and nondrinker	82,726	105	2,823	6,047	20,863	23,640	18,511	8,737	1,840	148	12			
<b>Length of gestation</b>														
<37 weeks	8,405	16	319	569	1,967	2,263	1,906	1,047	265	50	3			
37-41 weeks	78,313	89	2,580	5,804	20,158	22,540	17,331	8,037	1,667	105	2			
42+ weeks	305	0	11	27	82	92	60	27	5	1	0			
Unknown	30	0	0	1	9	5	2	4	2	0	7			

**TABLE 1B-34  
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2010**

	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	439	1	19	32	117	100	97	61	9	3	0	
1,000-1,499	505	0	23	44	126	100	106	75	28	3	0	
1,500-2,499	5,211	14	202	419	1,265	1,368	1,129	628	160	25	1	
2,500-3,999	74,680	89	2,568	5,634	19,403	21,471	16,314	7,516	1,563	118	4	
4000+ grams	6,197	1	97	272	1,300	1,859	1,650	833	178	7	0	
Unknown	14	0	1	0	5	2	3	2	1	0	0	
<b>Prenatal care</b>												
No care	1,382	5	94	146	421	319	221	131	35	10	0	
1st trimester	71,331	52	1,953	4,649	17,345	21,116	16,664	7,828	1,595	125	4	
2nd trimester	11,377	37	671	1,301	3,535	2,729	1,953	898	235	17	1	
3rd trimester	2,812	11	183	289	874	704	432	246	69	4	0	
Unknown	151	0	9	16	41	32	29	12	5	0	7	
<b>Prenatal visits</b>												
No visits	1,383	5	94	146	421	319	222	131	35	10	0	
1-4 visits	2,897	7	178	309	979	687	448	227	56	6	0	
5-8 visits	12,524	28	675	1,284	3,763	3,179	2,285	1,042	256	11	1	
9-12 visits	42,510	44	1,340	3,127	10,835	12,383	9,516	4,309	892	64	0	
13+ visits	27,540	21	614	1,514	6,169	8,286	6,785	3,387	695	65	4	
Unknown	199	0	9	21	49	46	43	19	5	0	7	
<b>Newborn intensive care</b>												
Yes	5,354	8	198	390	1,301	1,385	1,161	701	178	32	0	
No	81,637	97	2,712	6,010	20,902	23,495	18,125	8,409	1,758	124	5	
Unknown	62	0	0	1	13	20	13	5	3	0	7	
<b>Obstetric procedures</b>												
Amniocentesis	423	0	5	16	84	104	107	80	25	2	0	
Electro. Fetal Monit	81,399	100	2,722	5,990	20,790	23,178	18,074	8,563	1,830	150	2	
Induction of labor	19,555	21	618	1,536	5,270	5,726	4,103	1,870	376	34	1	
Stimulation of labor	13,007	18	478	1,042	3,301	3,659	2,929	1,261	295	24	0	
Tocolysis	462	1	9	38	105	135	105	66	3	0	0	
Ultrasound	65,465	79	2,159	4,756	16,578	18,630	14,673	6,934	1,530	123	3	
Other	6,249	7	260	514	1,599	1,749	1,342	626	144	8	0	
<b>Method of delivery</b>												
Vaginal	62,205	90	2,468	5,217	16,783	17,909	12,983	5,561	1,114	78	2	
Vaginal after C-Section	820	0	1	21	156	254	241	117	28	2	0	
Primary C-Section	12,996	15	416	953	3,175	3,436	2,896	1,631	421	50	3	
Repeat C-Section	11,024	0	25	210	2,102	3,301	3,179	1,805	376	26	0	
Forceps	305	1	16	32	78	82	52	33	10	1	0	
Vacuum	2,605	6	122	218	705	698	546	244	60	5	1	
<b>Births with medical risk factors</b>												
Total	30,162	54	1,258	2,272	7,026	7,980	6,563	3,956	957	95	1	
Anemia	3,321	6	116	261	905	909	705	341	73	5	0	
Cardiac disease	232	0	8	11	57	63	50	37	5	1	0	
Lung disease	964	0	35	83	275	252	202	92	22	3	0	
Diabetes	3,636	0	21	99	530	959	1,044	782	185	16	0	

**TABLE 1B-34  
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2010**

	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	898	0	11	41	189	245	234	142	36	0	0
Hydramnios	1,183	1	36	72	291	299	270	158	53	3	0
Hemoglobinopathy	16	0	3	1	3	4	2	1	1	1	0
Chronic hypertension	760	0	7	24	94	197	191	188	57	2	0
Pregnancy associated hypertension	3,400	4	107	244	915	909	697	406	105	13	0
Eclampsia	765	0	33	82	199	171	142	108	25	5	0
Previous infant 4000 +g	306	0	1	3	44	82	98	60	17	1	0
Previous SGA infant	845	0	4	15	150	281	246	122	26	1	0
Renal disease	88	0	0	10	22	30	16	6	3	1	0
RH sensitization	76	0	2	4	14	25	23	8	0	0	0
Uterine bleeding	291	0	4	16	64	79	77	35	14	2	0
Incompetent cervix	207	0	1	6	28	67	62	33	10	0	0
Other	21,003	48	1,079	1,747	4,923	5,374	4,307	2,755	694	75	1
<b>Total</b>	<b>6,832</b>	<b>9</b>	<b>251</b>	<b>596</b>	<b>1,829</b>	<b>1,779</b>	<b>1,440</b>	<b>734</b>	<b>173</b>	<b>20</b>	<b>1</b>
<b>Abnormal conditions of the newborn</b>											
Anemia	27	0	0	3	13	6	3	1	1	0	0
Birth injury	36	0	0	4	8	11	6	5	2	0	0
Fetal Alcohol Syndrome	3	0	0	0	0	0	2	0	1	0	0
Membrane disease	387	1	14	26	112	96	78	50	10	0	0
Meconium aspiration	83	0	3	5	27	21	11	14	2	0	0
Assisted vent < 30 min	1,027	0	24	85	256	301	217	113	27	4	0
Assisted vent > 30 min	338	0	13	32	84	96	59	45	9	0	0
Newborn seizures	134	0	1	6	37	36	30	19	5	0	0
Other	5,849	9	228	527	1,588	1,489	1,239	608	141	19	1
<b>Total</b>	<b>546</b>	<b>1</b>	<b>22</b>	<b>53</b>	<b>135</b>	<b>128</b>	<b>121</b>	<b>59</b>	<b>23</b>	<b>3</b>	<b>1</b>
<b>Births with congenital anomalies</b>											
Anencephalus	5	0	0	0	1	1	2	0	1	0	0
Spina Bifida	15	0	0	3	2	7	1	2	0	0	0
Hydrocephalus	24	0	2	2	6	5	8	1	0	0	0
Microcephalus	2	0	1	0	0	0	1	0	0	0	0
Other CNS Anomaly	14	0	1	0	3	4	3	3	0	0	0
Heart Malformations	81	0	2	4	24	14	27	7	3	0	0
Other Resp./Circulatory	102	1	5	9	23	30	17	15	2	0	0
Rectal Atresia	3	0	0	1	1	1	0	0	0	0	0
Fistula/Esoph. Atresia	10	0	0	0	0	6	1	1	2	0	0
Omphalocele	26	0	3	7	8	4	2	1	1	0	0
Other Gastrointestinal	11	0	1	1	3	2	3	1	0	0	0
Malformed Genitalia	30	0	0	4	13	6	4	3	0	0	0
Renal Agenesis	4	0	1	1	1	1	0	0	0	0	0
Other Urogenital	15	0	1	0	3	1	6	4	0	0	0

**TABLE 1B-34  
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2010**

	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	57	0	1	7	16	13	14	4	2	0	0	
Polydactyly	38	0	1	7	8	8	3	8	1	2	0	
Club Foot	39	0	2	3	13	10	7	1	2	0	1	
Diaphragmatic Hernia	6	0	0	0	0	2	3	1	0	0	0	
Other Muscoskeletal	16	0	1	1	4	2	3	3	2	0	0	
Down's Syndrome	40	0	3	3	3	5	8	11	7	0	0	
Other Chromosomal	28	0	0	4	6	4	8	5	1	0	0	
Other	38	0	1	2	11	12	10	1	0	1	0	
<b>Total</b>	<b>25,281</b>	<b>43</b>	<b>882</b>	<b>1,948</b>	<b>6,515</b>	<b>6,917</b>	<b>5,519</b>	<b>2,746</b>	<b>644</b>	<b>64</b>	<b>3</b>	
<b>Births with complications of labor</b>												
Febrile	1,268	1	54	145	401	343	216	87	19	2	0	
Meconium	3,786	7	136	325	1,005	1,029	811	392	76	5	0	
Rupture of membrane	1,487	6	65	113	364	411	322	161	43	2	0	
Abruption placenta	329	1	11	26	74	93	71	40	13	0	0	
Placenta previa	305	0	2	5	39	79	88	75	16	1	0	
Other bleeding	317	0	11	24	78	90	64	41	8	1	0	
Seizures	28	0	4	2	13	5	3	1	0	0	0	
Precipitous labor	1,054	1	23	56	230	320	257	132	32	3	0	
Prolonged labor	659	0	17	49	199	199	124	62	8	1	0	
Dysfunctional labor	1,626	0	53	148	482	404	342	158	33	6	0	
Breech malpresentation	2,620	6	55	135	510	696	679	421	99	19	0	
Cephalopelvic disp.	356	1	18	28	95	86	93	28	7	0	0	
Cord prolapse	100	0	1	3	39	22	22	11	2	0	0	
Anesthetic complications	48	0	0	3	8	18	11	7	1	0	0	
Fetal distress	4,925	10	166	368	1,167	1,375	1,126	567	137	9	0	
Other	12,731	19	501	1,051	3,513	3,468	2,597	1,234	316	29	3	

\* "Refused", "Yes, divorced", "Unknown"

Note: Included in total births are 7 birth records with missing specific characteristics.

**TABLE 1B-35  
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY MOTHER'S RACE/ETHNICITY AND  
CHILD'S GENDER, ARIZONA, 2010**

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	Total	Male	Female	Unknown	Total *	Male	Female	Total *	Male	Female	Unknown	Total	Male	Female	Total	Male	Female	
<b>Total*</b>	87,053	44,311	42,734	8	38,777	19,919	18,858	34,333	17,339	16,993	1	4,328	2,197	2,131	5,815	2,932	2,883	
<b>Births with congenital anomalies</b>	546	334	212	0	240	155	85	224	127	97	0	27	15	12	37	22	15	
<b>Anencephalus</b>	5	1	4	0	1	0	1	3	1	2	0	0	0	0	1	0	0	
<b>Spina bifida/meningocele</b>	15	9	6	0	5	3	2	7	4	3	0	2	2	0	1	0	0	
<b>Hydrocephalus</b>	24	16	8	0	10	7	3	10	7	3	0	0	0	0	4	2	0	
<b>Microcephalus</b>	2	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0	0	
<b>Other CNS anomaly</b>	14	4	10	0	8	3	5	3	0	3	0	3	1	2	0	0	0	
<b>Heart malformations</b>	81	46	35	0	40	24	16	30	15	15	0	2	1	1	7	4	3	
<b>Other respiratory/circulatory anomalies</b>	102	59	43	0	37	18	19	50	31	19	0	11	6	5	1	1	0	
<b>Rectal atresia/stenosis</b>	3	2	1	0	1	1	0	2	1	1	0	0	0	0	0	0	0	
<b>Tracheo-esophageal fistula/esophageal atresia</b>	10	8	2	0	4	4	0	5	3	2	0	0	0	0	0	0	0	
<b>Omphalocele/gastroschisis</b>	26	14	12	0	13	8	5	6	2	4	0	1	1	0	5	2	3	
<b>Other gastrointestinal anomalies</b>	11	4	7	0	2	1	1	8	3	5	0	1	0	1	0	0	0	
<b>Malformed genitalia</b>	30	26	4	0	18	17	1	10	9	1	0	1	0	1	1	0	0	
<b>Renal agenesis</b>	4	2	2	0	1	0	1	1	1	0	0	1	0	1	1	0	0	
<b>Other urogenital anomalies</b>	15	10	5	0	6	3	3	7	5	2	0	0	0	0	0	0	0	
<b>Cleft Lip/palate</b>	57	37	20	0	27	19	8	22	11	11	0	0	0	0	7	6	1	
<b>Polydactyly/syndactyly/adactyly</b>	38	24	14	0	13	9	4	16	9	7	0	5	4	1	2	1	1	
<b>Club foot</b>	39	26	13	0	22	16	6	13	7	6	0	1	1	0	1	1	0	
<b>Diaphragmatic hernia</b>	6	5	1	0	3	3	0	2	1	1	0	0	0	0	1	0	0	
<b>Other muscoskeletal/integumental anomalies</b>	16	7	9	0	5	2	3	9	5	4	0	0	0	0	2	0	0	
<b>Down syndrome</b>	40	27	13	0	16	12	4	23	14	9	0	0	0	0	1	1	0	
<b>Other chromosomal anomalies</b>	28	20	8	0	12	9	3	8	5	3	0	1	0	1	6	5	1	
<b>Other congenital anomalies</b>	38	17	21	0	15	5	10	17	7	10	0	1	1	0	2	2	0	
<b>Ratio per 100 births**</b>	<b>0.6</b>	<b>0.8</b>	<b>0.5</b>	<b>NA</b>	<b>0.6</b>	<b>0.8</b>	<b>0.5</b>	<b>0.7</b>	<b>0.7</b>	<b>0.6</b>	<b>NA</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.8</b>	<b>0.5</b>	
																	<b>0.1</b>	

\* Includes unspecified other and unknown race.

\*\* 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.

The National Center for Health Statistics (NCHS) in *The Revision of Model State Vital Statistics Act and Regulations\** recommended adding clarifiers to the original definition promulgated by the World Health Organization in 1950. In this document, NCHS recommends the following definition: "fetal death" means death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy and which is not an

\* <http://www.cdc.gov/nchs/data/misc/mvsact92b.pdf>

induced termination of pregnancy. The death is indicated by the fact that after such expulsion or extraction, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.”

*The Revision of Model State Vital Statistics Act* also recommended that all induced terminations of pregnancy should be excluded from the fetal death file, except when the fetus was known to be dead before the procedure and when the induction was performed for the sole purpose of removing an already-dead fetus. The term “induced termination” implies a pregnancy in progress, not one in which fetal death has already occurred.

The implementation of a new certificate of fetal death in Arizona in the future is likely to improve the integrity of the fetal death database; excluding those induced terminations where the fetus died during the induction procedure (these will continue to be included in the abortion database but no longer double-counted among both abortions and fetal deaths). Until then, the fetal death data reported in the *Arizona Health Status and Vital Statistics* annual report will be focused on a subset of all records collected, that is **reportable spontaneous fetal losses**: including spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the death of fetuses of at least 350 grams in weight), and excluding induced terminations of pregnancy performed with the intention other than to remove a dead fetus.

It is only beginning with the year 2000 that information about the gestational age of a fetus became available in the electronic database of fetal deaths in Arizona. For the first time the users of the health statistical information about fetal deaths realized that a rather surprising number of records in the fetal death database also include some stillbirths prior to 20 weeks and of any weight, i.e., events not required to be reported in the State (**Table 1C-3**). In this report, those early stillbirths are excluded from the count of reportable fetal losses.

Beginning in 2003, the data tables in Section 1C and 5C have been revised to include only reportable spontaneous fetal losses.

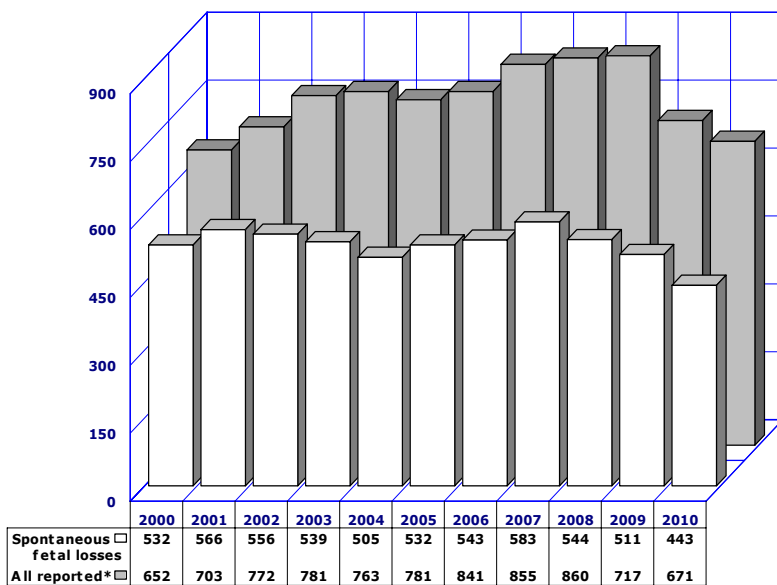
The revision of the U.S. Standard, as well as Arizona Report of Fetal Death certification format introduces substantial changes in how cause of fetal death is collected. The new format has two parts: A) Initiating cause/condition and B) Other significant causes or conditions. The instructions direct the physician to report an initiating condition in part A and all remaining causes in part B. Compared with the previous U.S. Standard Report of Fetal Death (1989 revision), the new format eliminates the reported sequence of conditions resulting in death and assumes that physicians will be able to provide an “initiating cause/condition,” which is equivalent to the “reported underlying cause of death.” A list of checkboxes and “Specify” lines replace the previous open-ended format. The list is neither inclusive nor as detailed as possible. The “Specify” lines allow physicians to report other causes or provide more detail.

A comparison of the current with the proposed Arizona Certificate of Fetal Death is available online at <http://www.azdhs.gov/plan/cert/pdf/fetal.pdf>.



## 1C. FETAL, PERINATAL AND MATERNAL DEATHS

**Figure 1C-1**  
**Trends in Fetal Deaths, Arizona, 2000-2010**

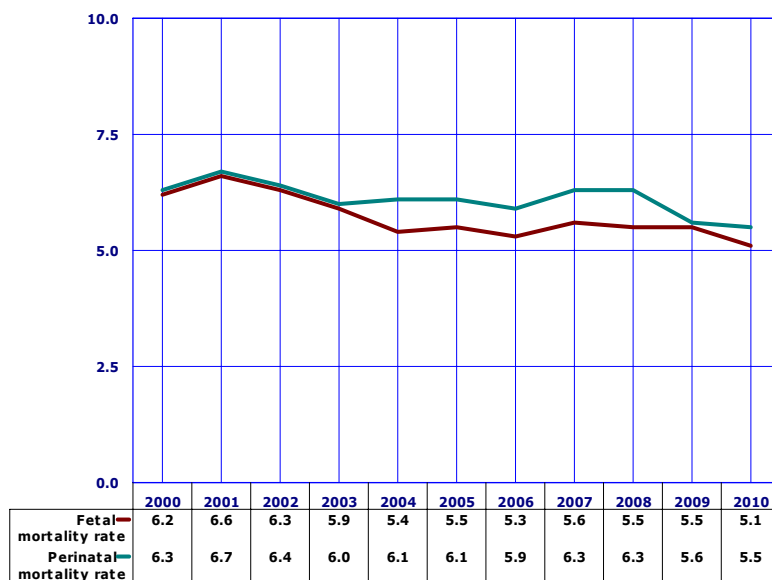


The practice of including spontaneous or induced terminations of pregnancy prior to 20 weeks of gestation and/or of any weight had begun in 1997 effecting a rather substantial increase in the number of annually reported fetal deaths in Arizona from 483 in 1996 to 637 in 1997.

The number of all reported fetal deaths in Arizona (including late term abortions) in 2010 was 671 compared to 860 in 2008 (**Figure 1C-1, Table 1C-3**). The annual number of reportable spontaneous fetal losses also decreased by 24.0 percent from 583 in 2007 to 443 in 2010 (**Figure 1C-1, Table 1C-3**).

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).

**Figure 1C-2**  
**Fetal\* and Perinatal Mortality\*\* Rates, Arizona, 2000-2010**



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 decreased from a recent high of 6.7 in 2001 to 5.5 in 2010 (**Figure 1C-2, Table 1C-3**).

Early infant deaths accounted for 269 or 55.7 percent of the 483 perinatal deaths in 2010 (**Figure 1C-2, Table 1C-3**).

The fetal mortality of 5.1 fetal deaths at 20 or more weeks of gestation per 1,000 live births and fetal deaths in 2010 was the lowest rate of the 2000 - 2010 period.

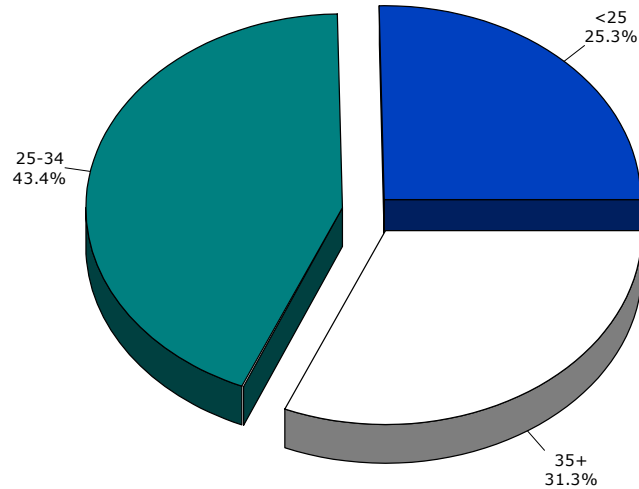
Rate is the number of fetal deaths per 1,000 live births and fetal deaths.  
\*\*Infant deaths of less than 7 days and fetal deaths with a period of gestation of 28 weeks or more, per 1,000 live births and fetal deaths.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

**Figure 1C-3**  
Percent of Death from Maternal Causes during 2000-2010 by Mother's Age Group, Arizona,

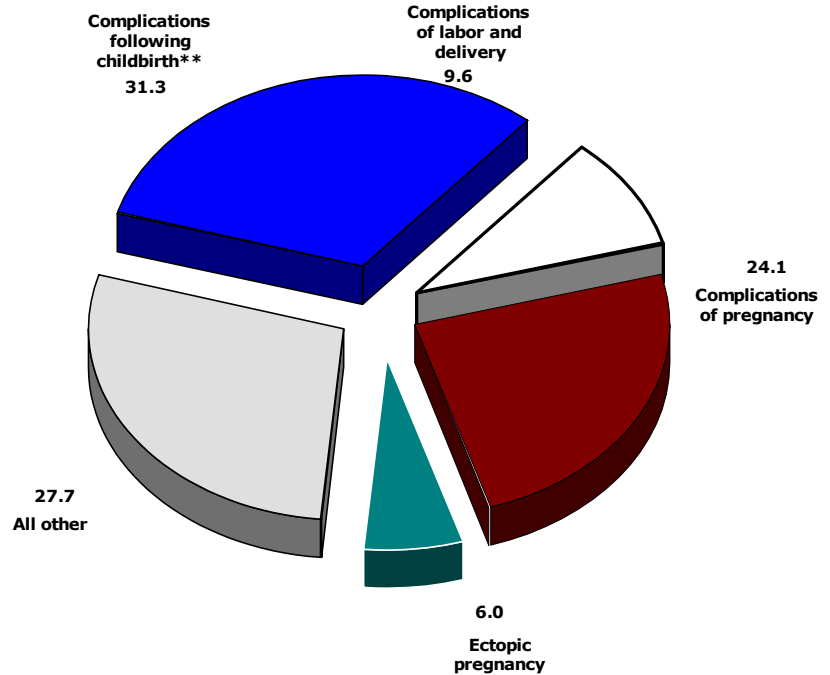
In 2010, twelve women giving birth were reported to have died from maternal causes (**Table 1C-1**). The number of maternal deaths does not include all deaths occurring to pregnant women, but only those deaths assigned to causes related to or aggravated by pregnancy or pregnancy management.

Based on the total number of 83 maternal deaths from 2000 to 2010 women age 30 years or older had the highest proportional contribution to maternal mortality (48.2 percent) than women aged 24 years or younger (8.4 percent; **Figure 1C-3**).



**Figure 1C-4**  
Causes of Maternal Mortality\*, Arizona, 2000-2010

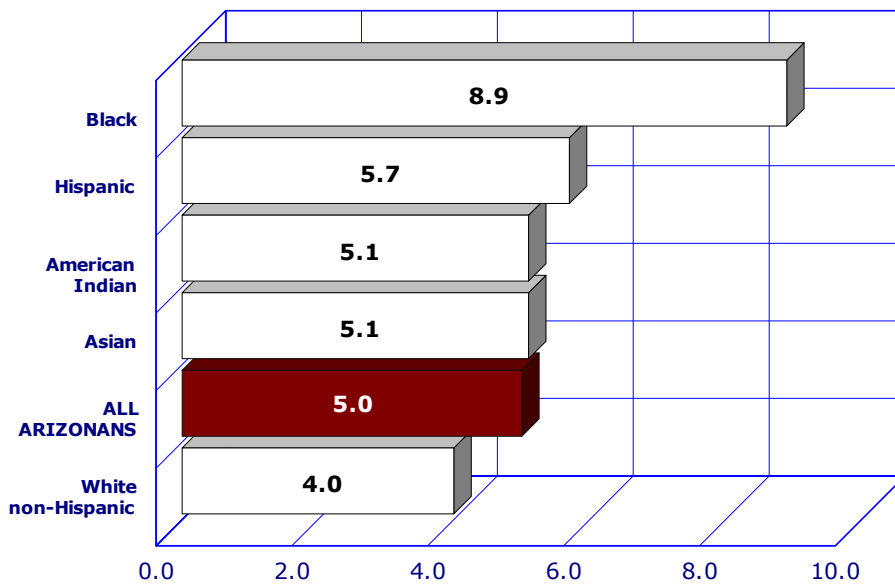
In the eleven-year period from 2000 to 2010, the causes of maternal deaths in the State have included *complications mainly related to pregnancy* (24.1 percent of all maternal deaths), *complications following childbirth* (i.e. complications of the puerperium, 13.3 percent), and *complications occurring in the course of labor and delivery* (12.0 percent). *Ectopic pregnancy* accounted for 12.0 percent of maternal deaths in 2000 - 2010 (**Figure 1C-4, Table 1C-2**).



Based on the total number of maternal deaths from 2000 to 2010.  
\*\* Complications of the puerperium.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

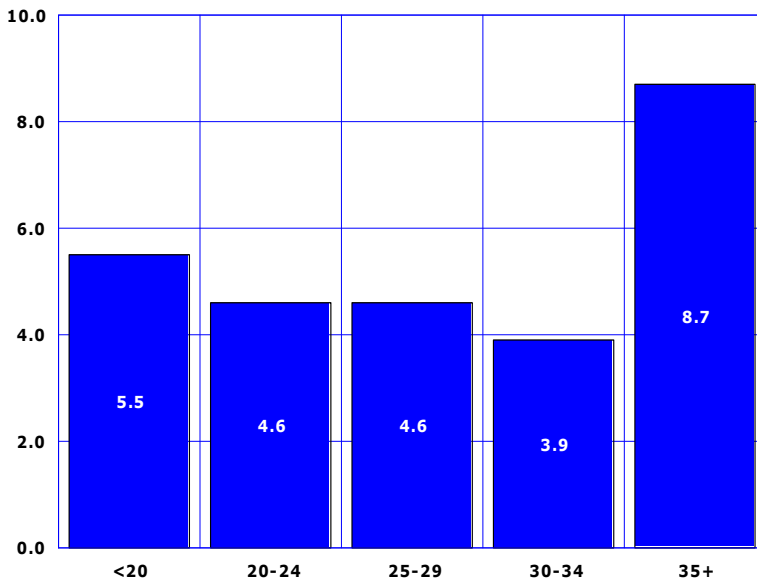
**Figure 1C-5**  
**Fetal Mortality Rates\* by Race/Ethnicity, Arizona, 2010**



Fetal mortality rates vary by the race/ethnicity of the mother (**Figure 1C-5**). The fetal mortality for Asian or Pacific Islander women was 3.2, the lowest rate among the groups. In contrast, the fetal mortality rate of 8.9 for Black or African American women was 2.8 times the rate for Asian or Pacific Islander women.

Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

**Figure 1C-6**  
**Fetal Mortality Rates\* by Mother's Age Group, Arizona, 2010**



Fetal mortality rates also vary considerably by maternal age (**Figure 1C-6**). In 2010, fetal mortality rates were lowest for women aged 30-34 years and higher for teenage mothers and those aged 35 years and older. The rate for mothers aged 35 years or older was 8.7/1,000, 2.2 times the rate of 3.9 for mothers 30-34 years old.

Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

**TABLE 1C-1  
MATERNAL DEATHS<sup>1</sup> BY AGE GROUP AND YEAR, ARIZONA, 2000-2010**

Year	Total maternal deaths	Under <15	15-19	20-24	25-29	30-34	35-39	40-44	45+
2000	7	0	1	1	2	2	0	1	0
2001	8	0	2	2	3	0	0	0	1
2002	6	0	0	1	2	1	2	0	0
2003	5	0	0	0	1	1	3	0	0
2004	2	0	0	1	1	0	0	0	0
2005	9	0	0	3	3	0	2	1	0
2006	9	0	1	2	3	1	1	1	0
2007	8	0	2	0	0	2	3	1	0
2008	10	0	0	2	4	2	2	0	0
2009	7	0	0	0	2	3	2	0	0
2010	12	0	1	2	1	2	3	2	1

<sup>1</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 000-099 according to the Tenth Revision of the International Classification of Diseases.

**TABLE 1C-2  
MATERNAL DEATHS BY CAUSE AND YEAR, ARIZONA, 2000-2010**

Cause of death (ICD-9/ICD-10 codes)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>PREGNANCY WITH ABORTIVE OUTCOME (630-636/O00-O07)</b>	0	1	0	0	0	1	2	1	1	0	0
Ectopic pregnancy (633/O00)	0	1	0	0	0	1	1	1	1	0	0
<b>COMPLICATIONS MAINLY RELATED TO PREGNANCY (640-648/O10-O16)</b>	3	1	1	1	0	0	0	1	5	3	5
<b>COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (660-669/O60-O75)</b>	1	1	1	0	1	0	2	0	1	1	0
<b>COMPLICATIONS OF THE PUERPERIUM* (670-676/O85-O92)</b>	1	2	2	2	0	4	4	2	2	3	4
<b>ALL OTHER</b>	2	3	2	2	1	4	1	4	1	0	3
<b>TOTAL</b>	7	8	6	5	2	9	9	8	10	7	12

\* Complications following childbirth.

Note: 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, 2000-2010**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<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.	652	703	772	781	763	781	841	855	860	717	671
<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)	535	605	639	628	581	597	690	729	724	621	581
<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	532	566	556	539	505	532	543	583	544	511	443
<b>RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES<sup>1</sup></b>	<b>6.2</b>	<b>6.6</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>NUMBER OF PERINATAL DEATHS:</b>	536	570	562	550	568	588	599	649	632	524	483
Spontaneous fetal losses of 28 or more weeks of gestation	260	274	278	252	271	266	259	290	293	243	214
Infant deaths of less than 7 days	276	296	284	298	319	322	340	359	339	281	269
<b>PERINATAL DEATH RATE<sup>2</sup></b>	<b>6.3</b>	<b>6.7</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>

<sup>1</sup> Per 1,000 live births + reportable spontaneous fetal losses of 20 or more weeks of gestation.

<sup>2</sup> Per 1,000 live births + spontaneous fetal losses of 28 or more weeks of gestation

Note: No information about gestational age was provided in the fetal death database prior to 2000.

**TABLE 1C-4  
SELECTED CHARACTERISTICS OF REPORTABLE SPONTANEOUS<sup>1</sup> FETAL LOSSES BY YEAR, ARIZONA, 2000-2010**

Characteristic	Year										
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Total reportable spontaneous fetal losses</b>	532	566	556	539	505	532	543	583	544	511	443
<b>Gender</b>											
Male	280	275	299	296	231	262	286	300	295	262	229
Female	244	267	253	240	270	268	252	277	246	244	208
Unknown	8	24	4	2	4	1	5	5	3	5	6
<b>Mother's race/ethnicity</b>											
White non-Hispanic	223	234	212	199	210	208	210	215	198	197	156
Hispanic or Latino	231	228	256	246	214	232	244	267	234	204	198
Black or African American	28	33	35	41	30	33	39	44	44	52	39
American Indian or Alaska Native	29	53	37	41	31	45	38	39	47	46	30
Asian or Pacific Islander	9	14	12	8	17	11	10	17	19	11	17
Unknown	12	4	4	4	3	3	2	1	2	1	3
<b>Mother's age group</b>											
<15	2	6	2	1	1	0	3	3	2	0	1
15-17	42	28	24	31	25	29	31	38	22	26	18
18-19	47	51	40	55	50	44	49	46	49	40	33
20-24	125	125	146	134	130	141	117	152	132	111	104
25-29	126	137	129	140	106	125	138	144	141	126	114
30-34	92	115	111	93	105	112	98	99	113	105	74
35-39	64	71	69	62	67	58	73	81	63	76	75
40-44	25	20	27	17	17	17	26	15	18	24	20
45+	2	1	4	1	1	2	5	3	2	2	3
Unknown	7	12	4	5	3	4	3	2	2	1	1
<b>Gestational age<sup>2</sup></b>											
20-27 weeks	271	290	277	285	254	263	284	292	250	264	227
28+ weeks	260	274	278	252	249	266	259	290	293	243	214
Unknown	1	2	1	2	2	3	0	1	1	4	2
<b>Weight in grams</b>											
<350 grams	82	74	98	90	83	95	101	96	63	110	105
350-499	91	94	78	95	83	79	106	83	54	69	66
500-2,500	236	214	221	243	219	225	223	264	253	219	173
2,501-3,999	91	101	115	86	84	102	88	108	103	89	74
4,000+	7	16	15	12	21	13	13	19	9	13	20
Unknown	25	67	29	13	15	18	12	13	62	11	5

<sup>1</sup> 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.

<sup>2</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.**

### **INDUCED TERMINATIONS OF PREGNANCY**

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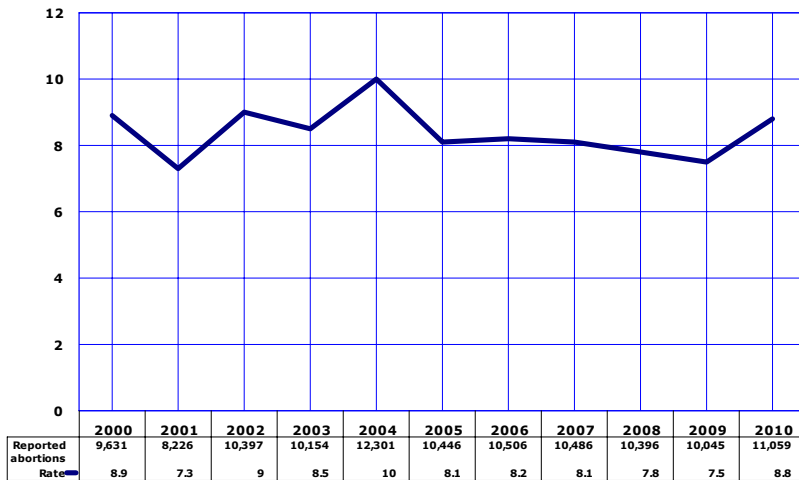
In July 1976, the Arizona Department of Health Services (ADHS) began an Abortion Surveillance Program (*Arizona Administrative Code, R9-19-302D*, as authorized by the *Arizona Revised Statute 36-344*). The program required the reporting of induced terminations of pregnancy performed in hospitals, outpatient 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 data in Sections 1D and 5D represent the combination of the two reporting efforts. The 2010 data combines the information collected prior to August in the older format. The data since July 29, 2010 is completely electronic with the clinics and hospitals reporting through a WEB based reporting system.

## 1D. INDUCED TERMINATIONS OF PREGNANCY

**Figure 1D-1**  
**Number of Reported Abortions and Abortion Rates\* by Year,**  
**Arizona Residents, 2000-2010**



Number of abortions per 1,000 females 15-44 years old.

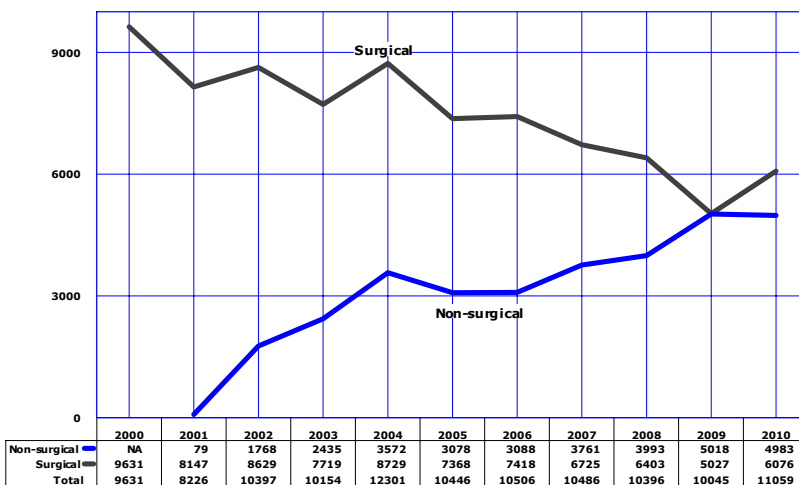
In calendar year 2010, the Arizona Department of Health Services received 11,059 reports of abortions obtained by Arizona residents, 1,014 less than the 10,045 reported in 2009 (**Figure 1-D1, Table 1D-1**).

There were 9,689 abortions in non-hospital clinics (**Table 1D-1**). Outpatient Surgical Centers accounted for 1,354 abortion procedures. Only 16 were reported to have been performed in hospitals.

Six out of ten (61.0 percent) women who reported having an abortion in 2010 had the procedure for the first time. Ninety-one percent of all reported abortions occurred before 13 weeks of pregnancy. Few reported abortions occurred after 15 weeks of gestation: 2.7 percent at 16-20 weeks and 0.7 percent at  $\geq 21$  weeks (percentages based on data in **Table 1D-3**).

Eighty-two percent of women who obtained abortions were known to be unmarried (**Table 5D-5**).

**Figure 1D-2**  
**Trends in the Number of Surgical and Non-Surgical Abortions by Year,**  
**Arizona Residents, 2000-2010**



The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 increased from 7.5 in 2009 to 8.8 in 2010 (**Table 1D-1**). A time series analysis of annual abortion data for 2001 - 2010 continues to reveal a declining trend (**Figure 1D-2, Table 1D-1**) in surgical terminations of pregnancy in Arizona, while an upward trend applies to non-surgical abortions.

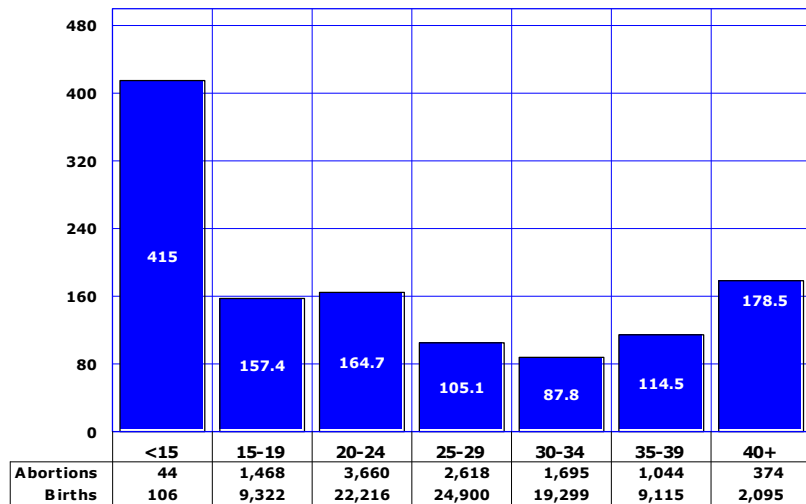
The number of reported non-surgical abortions (i.e., terminations of pregnancy by the administration of a medication such as *methotrexate* or *mifepristone* each used in conjunction with *misoprostol*) changed little from 2009 to 2010. However, the number of surgical sharply increased from 5,027 in 2009 to 6,076 in 2010. All abortions performed in Yavapai and Coconino counties were non-surgical.



1D. INDUCED TERMINATIONS OF PREGNANCY

**Figure 1D-3**  
Abortion Ratios\* by Age Group, Arizona Residents, 2010

Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age of women 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**). However, from 2007 to 2010 the abortion ratio among women 20-24 years old increased by 22.5 percent. Both in 2009 and 2010, the abortion ratio for females aged 20-24 years exceeded the abortion ratio among adolescents aged 15-19 years.

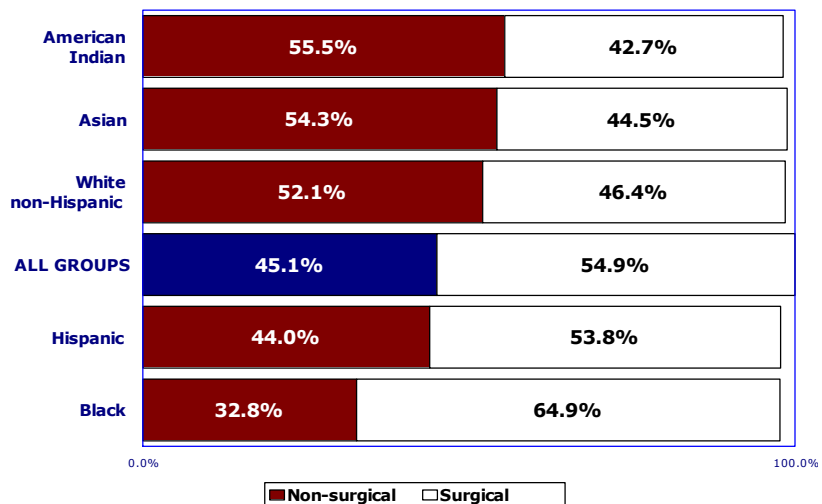


A comparison of age-specific abortion ratios by race/ethnicity is provided in **Table 1D-5**.

Number of reported abortions per 1,000 live births in specified group.

**Figure 1D-4**  
Proportional Contribution of Non-Surgical and Surgical Abortions by Race/Ethnicity, Arizona Residents, 2010

In 2010, non-surgical (also called “medical”) abortions made up 45 percent of all procedures reported in Arizona. Among American Indians, Asians and White non-Hispanics, the proportion of non-surgical abortions exceeded the average for all groups (**Figure 1D-4**). The ratios of non-surgical abortions among Hispanic or Latino and Black or African American women were the lowest among race/ethnic groups.



Non-surgical: Mifepristone, Methotrexate, RU486, etc.

**TABLE 1D-1  
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2000-2010**

<b>Characteristics</b>	<b>2000</b>	<b>2001</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>ABORTIONS PERFORMED IN ARIZONA</b>	10,064	8,302	10,677	10,316	12,690	10,723	10,836	10,721	10,660	10,271	11,438
<b>RESIDENT ABORTIONS</b>	9,631	8,226	10,397	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059
<b>RACE/ETHNICITY</b>											
White non-Hispanic	4,786	3,917	4,909	4,887	5,276	4,431	5,106	5,202	4,737	4,759	5,241
Hispanic or Latino	2,995	2,737	3,566	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422
Black or African American	531	450	556	495	723	585	581	675	744	736	476
American Indian	253	220	285	357	341	353	342	310	297	300	218
Asian or Pacific Islander	250	207	273	272	444	379	391	454	412	390	254
Unknown	816	695	808	702	1,032	1,586	926	126	1,082	557	1,448
<b>AGE</b>											
19 years and under	1,988	1,528	1,995	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512
20-29 years	5,029	4,313	5,406	5,531	6,800	5,684	5,770	5,839	5,854	5,753	6,278
30 years and over	2,246	1,926	2,475	2,431	2,939	2,436	2,702	2,652	2,403	2,532	3,113
Not stated	217	459	521	325	342	434	115	16	326	241	156
<b>YEARS OF EDUCATION</b>											
Elementary/secondary (1-12)	3,257	2,604	3,029	2,444	3,321	1,435	6,226	9,293	6,964	5,244	4,316
College (1-4 or 5+)	2,537	1,777	2,156	1,889	2,726	1,330	1,415	1,193	2,565	3,372	3,199
Not stated	3,837	3,845	5,212	5,821	6,254	7,681	2,865	0	867	1,429	3,544
<b>WEEKS OF GESTATION</b>											
12 weeks or under	7,637	6,078	8,471	8,093	10,678	8,558	9,470	9,498	9,175	9,238	9,967
13 weeks or over	1,171	996	1,147	998	1,224	1,068	948	974	916	597	948
Not stated	823	1,152	779	1,063	399	820	88	14	305	210	144
<b>FACILITY</b>											
Clinic	8,429	7,334	9,485	9,158	12,281	10,442	10,560	10,486	10,391	9,362	9,689
Hospital	0	0	1	1	0	0	0	0	0	0	16
Other	1,202	892	911	995	20	4	0	0	5	683	*1,354

**TABLE 1D-1 (continued)  
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2000-2010**

<b>Characteristics</b>	<b>2000</b>	<b>2001</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>PREVIOUS LIVE BIRTHS</b>											
None	4,109	3,490	4,508	4,446	5,215	4,593	4,798	4,517	4,441	4,377	4,867
One or more	5,522	4,736	5,889	5,708	7,086	5,853	5,708	5,969	5,955	5,668	6,178
<b>PREVIOUS INDUCED TERMINATIONS OF PREGNANCY</b>											
None	6,160	5,271	6,561	6,606	7,778	6,453	6,390	6,453	6,338	5,874	6,746
One or more	3,471	2,955	3,846	3,548	4,523	3,993	4,116	4,033	4,058	4,171	4,282
<b>PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY</b>											
None	8,474	7,218	9,494	8,780	10,454	8,916	8,864	8,807	8,756	8,424	9,300
One or more	1,157	1,008	903	1,374	1,847	1,530	1,642	1,679	1,640	1,621	1,643
<b>NONSURGICAL ABORTIONS</b>											
	NA	79	1,768	2,435	3,572	3,078	3,088	3,761	3,993	5,018	4,983
<b>ABORTION RATIO<sup>1</sup></b>	<b>113.3</b>	<b>96.5</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>ABORTION RATE<sup>2</sup></b>	<b>8.9</b>	<b>7.3</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>

<sup>1</sup>Number of abortions per 1,000 women giving birth.

<sup>2</sup>Number of abortions per 1,000 women of childbearing age (15 - 44 years old).

\*Outpatient Surgical Centers in 2010.

**TABLE 1D-2  
NUMBER OF LIVE BIRTHS, ABORTIONS AND RATIOS<sup>1</sup> OF INDUCED TERMINATIONS OF PREGNANCY  
BY RACE/ETHNICITY AND YEAR, ARIZONA, 2000-2010**

Race/ethnicity	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>TOTAL, ALL GROUPS<sup>2</sup></b>											
Births	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053
Abortions	9,631	8,226	10,397	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059
Abortion ratio	113.3	96.5	119.0	111.9	131.7	109.0	103.0	102.1	104.8	108.5	127.0
<b>WHITE NON-HISPANIC</b>											
Births	39,850	38,934	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777
Abortions	4,786	3,917	4,909	4,887	5,276	4,431	5,106	5,202	4,737	4,579	5,241
Abortion ratio	120.1	100.6	126.5	125.8	134.3	111.7	118.7	123.2	113.0	115.1	135.2
<b>HISPANIC OR LATINO</b>											
Births	33,893	35,103	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333
Abortions	2,995	2,737	3,566	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422
Abortion ratio	88.4	78.0	98.8	88.0	109.9	73.8	70.4	81.3	73.3	86.1	99.7
<b>BLACK OR AFRICAN AMERICAN</b>											
Births	2,760	2,736	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328
Abortions	531	450	556	495	723	585	581	675	744	736	476
Abortion ratio	192.4	164.5	202.0	163.8	224.8	169.6	150.4	162.1	173.0	168.1	110.0
<b>AMERICAN INDIAN OR ALASKA NATIVE</b>											
Births	5,602	5,340	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815
Abortions	253	220	285	357	341	353	342	310	297	300	218
Abortion ratio	45.2	41.2	51.4	60.7	55.7	56.1	53.7	48.4	46.7	48.6	37.5
<b>ASIAN OR PACIFIC ISLANDER</b>											
Births	2,041	2,104	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293
Abortions	250	207	273	272	444	379	391	454	412	390	254
Abortion ratio	122.5	98.4	119.7	107.8	169.9	135.1	124.7	133.1	120.3	114.8	77.2

<sup>1</sup>Number of resident abortions performed in Arizona per 1,000 resident live births in specified race/ethnic group.

<sup>2</sup>Total for all groups may include records with unknown or unspecified race/ethnic group.

**TABLE 1D-3  
ABORTIONS BY WEEK OF GESTATION AND AGE GROUP, ARIZONA, 2010**

	<b>Total</b>	<b>&lt;15</b>	<b>15-17</b>	<b>18-19</b>	<b>20-24</b>	<b>25-29</b>	<b>30-34</b>	<b>35-39</b>	<b>40-44</b>	<b>45+</b>	<b>Unknown</b>
<b>Total</b>	11,059	44	435	1,033	3,660	2,618	1,695	1,044	351	23	156
<b>6 weeks or less</b>	3,894	12	101	292	1,298	972	611	393	142	14	59
<b>7</b>	2,399	8	81	242	773	581	388	211	61	4	50
<b>8</b>	1,528	4	62	156	505	358	228	139	53	1	22
<b>9</b>	844	4	47	91	289	182	120	74	32	1	4
<b>10</b>	539	6	31	53	174	125	74	62	13	0	1
<b>11</b>	468	4	31	47	160	100	77	35	12	1	1
<b>12</b>	295	0	23	27	98	76	35	23	11	0	2
<b>13</b>	244	0	13	34	78	50	35	26	6	0	2
<b>14</b>	176	0	11	20	60	41	26	12	5	1	0
<b>15</b>	151	0	6	18	56	35	18	13	3	1	1
<b>16</b>	103	2	6	17	35	15	16	9	2	0	1
<b>17</b>	59	1	4	8	18	8	13	6	1	0	0
<b>18</b>	55	1	3	6	17	8	10	6	4	0	0
<b>19</b>	54	0	7	2	17	12	10	4	1	0	1
<b>20</b>	29	2	2	5	6	7	4	3	0	0	0
<b>21+</b>	77	0	3	3	28	16	14	10	2	0	1
<b>Unknown</b>	144	0	4	12	48	32	16	18	3	0	11

**TABLE 1D-4  
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2010**

Week of gestation	Total	Race/ethnicity						
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Other race	Unknown race
<b>Total</b>	11,059	5,241	3,422	476	218	254	468	980
<b>6 weeks or less</b>	3,894	2,030	1,102	133	69	102	151	307
<b>7</b>	2,399	1,183	740	105	46	65	80	180
<b>8</b>	1,528	707	486	76	28	29	72	130
<b>9</b>	844	352	305	38	22	13	47	67
<b>10</b>	539	213	188	36	8	6	31	57
<b>11</b>	468	207	145	30	9	12	26	39
<b>12</b>	295	137	92	16	6	6	15	23
<b>13</b>	244	99	81	9	11	7	9	28
<b>14</b>	176	60	60	7	5	3	10	31
<b>15</b>	151	59	49	9	5	4	4	21
<b>16</b>	103	41	36	0	0	0	7	19
<b>17</b>	59	20	16	2	2	1	0	18
<b>18</b>	55	17	16	2	2	1	6	11
<b>19</b>	54	16	11	0	0	0	0	27
<b>20</b>	29	10	12	0	1	2	1	3
<b>21+</b>	77	25	26	8	3	0	1	14
<b>Unknown</b>	144	65	57	5	1	3	8	5

**TABLE 1D-5  
NUMBER OF LIVE BIRTHS, ABORTIONS, AND RATIOS OF INDUCED TERMINATIONS OF PREGNANCY BY AGE GROUP  
AND RACE/ETHNICITY, ARIZONA, 2010**

	All ages*	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
<b>White non Hispanic</b>	Births	13	542	1,833	8,402	12,315	10,006	4,595	969	102
	Abortions	16	198	480	1,749	1,200	786	526	206	18
	<b>Abortion ratio**</b>	<b>1230.8</b>	<b>365.3</b>	<b>261.9</b>	<b>208.2</b>	<b>97.4</b>	<b>78.6</b>	<b>114.5</b>	<b>212.6</b>	<b>176.5</b>
<b>Hispanic or Latino</b>	Births	68	1,860	3,421	9,952	8,921	6,380	3,071	636	24
	Abortions	16	151	365	1,166	814	500	278	66	2
	<b>Abortion ratio</b>	<b>235.3</b>	<b>81.2</b>	<b>106.7</b>	<b>117.2</b>	<b>91.2</b>	<b>78.4</b>	<b>90.5</b>	<b>103.8</b>	<b>83.3</b>
<b>Black or African American</b>	Births	10	151	401	1,353	1,187	761	375	84	6
	Abortions	1	24	42	155	121	72	41	9	0
	<b>Abortion ratio</b>	<b>100.0</b>	<b>158.9</b>	<b>104.7</b>	<b>114.6</b>	<b>101.9</b>	<b>94.6</b>	<b>109.3</b>	<b>107.1</b>	<b>NA</b>
<b>American Indian or Alaska Native</b>	Births	14	331	643	1,998	1,429	876	427	91	6
	Abortions	2	13	21	69	54	37	14	4	0
	<b>Abortion ratio</b>	<b>142.9</b>	<b>39.3</b>	<b>32.7</b>	<b>34.5</b>	<b>37.8</b>	<b>42.2</b>	<b>32.8</b>	<b>44.0</b>	<b>NA</b>
<b>Asian or Pacific Islander</b>	Births	1	23	79	420	928	1,154	562	123	3
	Abortions	0	5	9	55	61	58	44	16	1
	<b>Abortion ratio</b>	<b>NA</b>	<b>217.4</b>	<b>113.9</b>	<b>131.0</b>	<b>65.7</b>	<b>50.3</b>	<b>78.3</b>	<b>130.1</b>	<b>NA</b>

\* Includes records with unknown age.

\*\*The number of abortions per 1,000 live births. The abortion ratio is calculated if at least 10 (ten) births are recorded in specified group.

Note: Records with unknown race/ethnicity are not shown above.