

TEENAGE PREGNANCY

Arizona, 1999-2009



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TEENAGE PREGNANCY, ARIZONA, 1999-2009

by

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January 2011

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PURPOSE

This report is the annual update of information about pregnancies among females under age 20. The data for 2009 is placed in a temporal context by comparing it with the data from the preceding years. Earlier reports are available online at <http://www.azdhs.gov/plan/report/tp/index.htm> .

METHODS AND SOURCES

In this report, pregnancies are measured as the sum of three components: live births, fetal deaths (or stillbirths) and reported abortions to Arizona resident women, unless otherwise specified. Not included are spontaneous fetal losses that occur at less than 20 weeks of gestation. Induced terminations of pregnancy do not include those performed out-of-state to Arizona residents, since they are not reported in Arizona. Pregnancy statistics for Arizona are not available on a sub-county level.

Teens are defined as 10-14 year old preadolescents and adolescents 15-19 years of age. Where possible, the data presented distinguishes 18-19 year old teenagers from those aged 15-17 and girls less than 15 years of age.

The primary source documents for the data are the certificates of live births, certificates of fetal deaths and reports of induced terminations of pregnancy filed with the Arizona Department of Health Services.

Several data sources were utilized in producing the population denominators for Arizona's resident females, used to calculate rates. The denominators for 2000 are the actual census enumerations from the U.S. Census Bureau. The denominators for 1999 and 2001-2009 are population estimates of Arizona resident females aged 10-19 years. Detailed information about the assumptions and specific data sources is available online at <http://www.azdhs.gov/plan/menu/info/pd.htm> .

The pregnancy rates for 1996-1999 were revised in the 1996-2006 edition of the report using the population denominators that are consistent with both the 1990 and the 2000 census. The population projected previously from the 1990 census underestimated the growth of the Hispanic population during the 1990s. According to the 2000 census, there were 118,490 Hispanic females 19 years or younger in Arizona, 37.5 percent more than the number of 86,203 estimated by the Census Bureau in 1999. The revised denominators for 1996-1999 were derived from the "Bridged-race intercensal population estimates for July 1, 1990-July 1, 1999, by year, county, single-year of age, Hispanic origin, and sex" provided by NCHS. These estimates also are available online at http://www.cdc.gov/nchs/nvss/bridged_race.htm .

The population denominators used to compute the rates for 2008 - 2009 will most likely also be revised in the future. It is not only because they are based on the quite outdated 2000 Census enumerations, but they have not been adjusted for the effects of the economic downturn or changes in the law penalizing the illegal immigration. Unlike after the 2000 Census, these revisions are likely to show that there were fewer Arizonans in 2008 and 2009 than there were in 2007. According to the 2010 Census enumerations released on 12/21/2010, there were 6,392,017 residents of the State in 2010, 203,761 fewer than the Census Bureau estimate of 6,595,778 for 2009, and fewer than the estimated number of Arizonans in 2007.

Under the circumstances, it is important to treat the 2008 and 2009 birth and pregnancy rates (particularly for Hispanics) with caution. Perhaps these rates have not declined; rather the population denominators used to calculate them, did (see the footnote on the next page).

DATA ORGANIZATION

Tables 1-16 present annual numbers and rates of pregnancy, fertility, and abortion by year from 1999 to 2009, age group, and race/ethnicity for Arizona teens. Temporal trends and changes may be assessed from this data. Proportional contribution of teen births to all births is shown in Table 10 by area of residence and race/ethnic group in Arizona from 1999 to 2009. Table 11 compares birth rates in Arizona to those in the United States. The annual numbers of repeat pregnancies among teenage mothers are shown by age and year from 1999 to 2009 in Table 12.

Table 14 presents teen pregnancy rates by race/ethnicity and age group by year from 1999 to 2009. It includes revised pregnancy rates for 1999. Table 15 provides information about the incidence of sexually transmitted infections among females 10-14 and 15-19 years old in Arizona in 1999-2009. Table 16 shows the incidence rates by year from 1999 to 2009.

Frequency counts, proportions and rates in tables 17-32 all apply to the 2009 data. Tables 17-18 and 20-22 provide data by county of residence. Table 19 presents pregnancy rates by single year of age among females 19 and younger. Live births to teenage mothers are also reported in Tables 23-30 by marital status, education, previous pregnancies, trimester of entry into prenatal care, source of payment for labor and delivery and tobacco and alcohol use during pregnancy. The 2009 population denominators for Arizona resident females by age group and race/ethnicity, as well as by age group and county of residence are presented in Table 31 and Table 32. The *Appendix* demonstrates "How to compute the rates of first and repeat childbearing" using the annual data for 2000-2009

COMPARATIVE NATIONAL AND STATE DATA

Timely, comparable, and reliable teen pregnancy statistics for other States and the Nation are not easily available. **"Health, United States, 2009"**, the premier annual publication of The Department of Health and Human Services, contains no information about pregnancies. The latest available (preliminary) national teenage birth rates for 2008 were published in May, 2010. No national abortion or fetal death data have been available since the 2006 calendar data year. The report, **"U.S. Teenage Pregnancies, Births and Abortions: National and State Trends and Trends by Race and Ethnicity"*** was published by the Alan Guttmacher Institute in January 2010. The authors combine the complete count of births provided by every state to the NCHS with the estimated numbers of abortions, early miscarriages, and fetal deaths. The number of abortions is estimated from surveys the Alan Guttmacher Institute conducts of known abortion providers (i.e. these data are by the place of occurrence and not by the woman's place of residence). The fetal loss estimates – including early miscarriages before 20 weeks of gestation (and estimated as 20% of live births plus 10% of abortions) – are from pregnancy history information collected by the National Survey of Family Growth (NFSG). Unlike vital statistics reports of fetal losses occurring at gestations of 20 weeks or more, NFSG include all gestations. Since the majority of fetal losses occur early in pregnancy before the reporting requirements for fetal deaths are in effect, their inclusion dramatically raises both the fetal loss rate and the pregnancy rate. The National Survey of Family Growth data are not state-specific. The pregnancy rates for Arizona teens cannot be compared with the rates for their peers nationally.

No comparable state-by-state teen pregnancy data for 2007 – 2009 are available at this time.

KEY FINDINGS

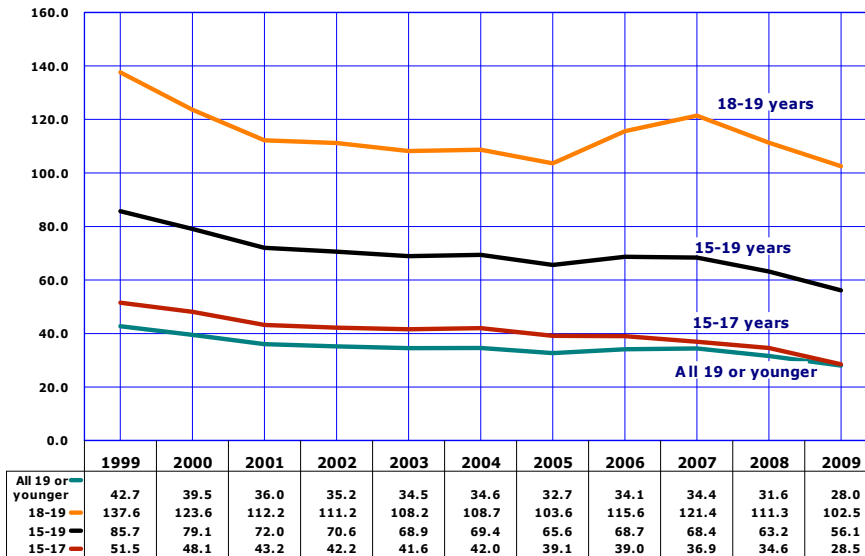
The following section presents some illustrative findings contained in the figures and tables of the report. It is not intended to be an exhaustive analysis of the tabulated data.

- **In 2009, the pregnancy rate of 28.0 pregnancies per 1,000 females 19 years or younger was 34.4 percent lower than the rate of 42.7/1,000 in 1999.**
- **The annual pregnancy rates in 2000 -2007 were lower than the 1999 rate of 42.7/1,000. In contrast, the number of pregnancies increased from 14,095 in 1999 to 15,038 in 2007. In is only since 2007 that the reduction in the number of teen pregnancies was accompanied by an equally impressive decline in pregnancy rates.**
- **From 2007 to 2009, the number of teen pregnancies declined particularly steeply for Asian (-22.8 percent), and Hispanic or Latino females (-19.3 percent).**
- **From 2007 to 2009, Arizona's Hispanic or Latino women of all ages experienced a major decrease of 15.8 percent in the number of pregnancies, 1.7 times the magnitude of the overall decline of 9.3 percent. Among Hispanic females 19 years old or younger the number of births declined by and unprecedented 18.5 percent, and the number of pregnancies declined by 19.3 percent. There is a reason to believe that there were fewer births (and pregnancies) among Hispanics of all ages, as well as teenagers, because there were fewer Hispanic or Latino residents in Arizona in 2009, than there were in 2007.****
- **The first birth rate for childless teenagers has dropped 27.1 percent from 57.1 first-time births per 1,000 females 15-19 years old in 2000, to 41.6/1,000 in 2009.**
- **The repeat birth rates for teenagers who had already had a child decreased by 14.5 percent from 181.3 in 2000 to 155.0 per 1,000 females 15-19 years old in 2009 who had a previous birth.**
- **The total number of births to mothers 19 years or younger increased by 12.0 percent from 9,775 in 1999 to 10,952 in 2009. In contrast, the number of teen births paid for by the Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) increased by 35.1 percent from 6,756 in 1999 to 9,124 in 2009.**
- **Unwed mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s. In 2009, nonmarital births accounted for 87.7 percent of births to mothers 19 years or younger.**
- **The proportion of non-surgical abortions to females 19 years or younger increased for the 4th consecutive year from 25.1 percent in 2005 to 44.3 percent in 2009**

* Available at www.guttmacher.org/pubs/USTrends.pdf

**Hispanics, unlike any other race/ethnic group in the State faced in 2008 and 2009 not only the economic recession (shared by all), but also additional challenges such as the employer-sanction law (a penalty on employers hiring illegal immigrant), and a widespread practice of E-verify (checking the legal-residence status of those seeking employment. In fact, using the 2007 pregnancy rate (the number of pregnancies per 1,000 Hispanic females under the age of 20); we can estimate the number of Hispanic teens who by 2009 left the State at approximately 30,000. (The 2007 teen pregnancy for Hispanic or Latinos was 55.3/1,000. It was based on 8,545 pregnancies among the estimated number of 154,592 Hispanic females. In 2009, the number of pregnancies among Hispanic females aged 10-19 years declined to 6,896. If the denominator declined proportionately to 124,702, the 2009 pregnancy rate would remain unchanged at 55.3/100,000. The difference between the 2007 and 2009 denominators (154,592 – 124,702 = 29,890).

Figure 1
Pregnancy Rates by Age Group and Year among Females 19 or Younger, Arizona, 1999-2009



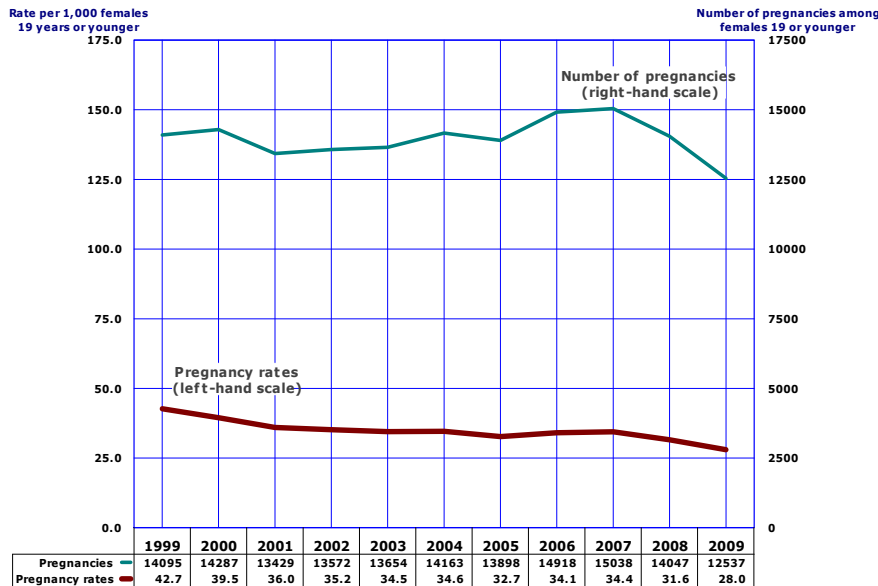
Note: All rates are per 1,000 females in specified group.

Teenage pregnancy rates dropped 34.4 percent overall from 1999 to 2009. **Figure 1, Table 2**). The declines in teenage pregnancy have been much steeper for younger than for older teenagers. The rate for teenagers 15-17 years dropped steeply by 44.7 percent from 51.5 per 1,000 in 1999 to 28.5 in 2009 (**Figure 1, Table 2**). The rate for older teenagers fell as well, by 25.5 percent beginning in 1999, from 137.6 to 102.5.

All components of the pregnancy rates for teenagers 19 years old or younger (births, abortions, and fetal losses) declined from 2007 to 2009 (**Table 1**).

While the decrease in the frequency counts reflects a reality, all the rates in this report are based on the assumption that the population denominators - projected from the 2000 census - continued to increase after 2007. This assumption most likely is wrong.

Figure 2
Trends in the Number of Pregnancies and Pregnancy Rates among Females 19 or Younger, Arizona, 1999-2009



Pregnancy rate = the number of pregnancies per 1,000 females in specified group.

Trends in the number of pregnancies to teenage women do not always parallel the pregnancy rate. 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, however, also determined by the size of the population "at risk": or in this case by the number of teenage females in the population.

The annual pregnancy rates in 2000 - 2007 were lower than the 1999 rate of 42.7/1,000. In contrast, the number of pregnancies increased from 14,095 in 1999 to 15,038 in 2007. It is only since 2007 that the reduction in the number of teen pregnancies was accompanied by an equally impressive decline in pregnancy rates (**Figure 2, Table 1**).

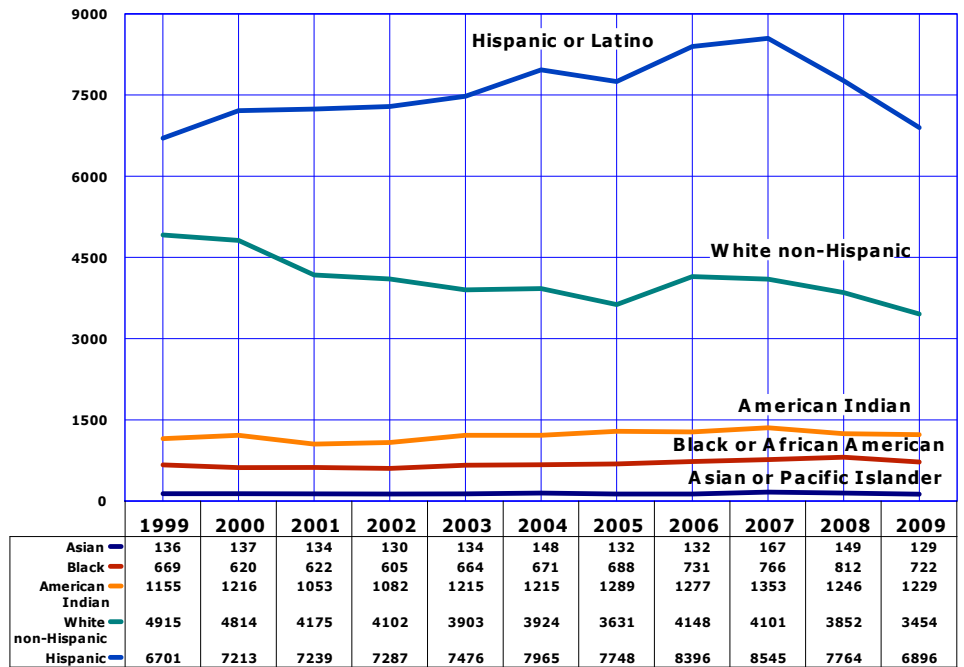
The 2007 teen pregnancy rate of 34.4/100,000 was based on 15,038 pregnancies occurring among 437,239 females aged 10-19 years. If, compared to 2007, the 2009 denominator also declined proportionately by 16.6 percent, the pregnancy rate would not have changed. We may be overestimating the 2009 "population at risk" by approximately 72,790 females aged 10-19 years.

KEY FINDINGS

Figure 3
Trends in the Number of Pregnancies* by Race/Ethnicity among Females 19 or Younger, Arizona, 1999-2009

The number of pregnancies to Hispanic females aged 19 years or younger exceeded the number of pregnancies among white non-Hispanic peers in every year since 1994 (Figure 3 and Table 8 in this report show only the data for 1999-2009). In 2009, Hispanic or Latino females accounted for 55.0 percent of all pregnancies in this age group, followed by White non-Hispanics (27.6 percent). Black or African American, Asian or Pacific Islander, American Indian, and females of other race aged 19 years or younger accounted for a similar share of pregnancies in 2009 (17.4 percent) than they did in 1999 (17.6 percent).

From 2007 to 2009, the number of teen pregnancies declined particularly steeply for Asian (-22.8 percent), and Hispanic or Latino females (-19.3 percent).



The sum of live births + induced abortions + spontaneous fetal deaths.

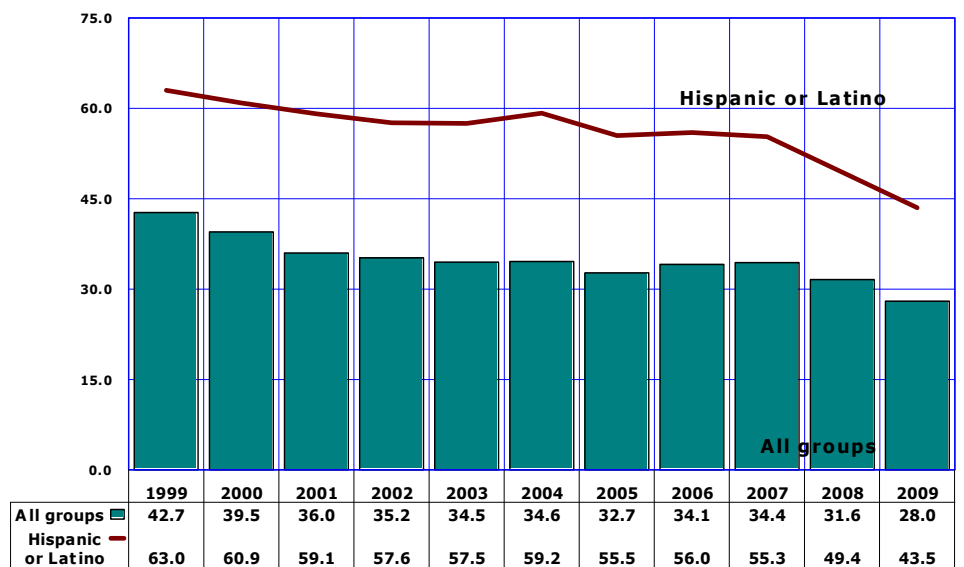
Figure 4
Comparison of Pregnancy Rates by Year among Hispanic or Latinos and all Females 19 or Younger, Arizona, 1999-2009

The teen pregnancy rates for all race and ethnic groups were lower in 2009 than in 1999 (Figure 1). However, the temporal trends in annual teen pregnancy rates differed considerably by race/ethnicity.

Figures 4, 5, 6, 7 and 8 reveal race/ethnicity-specific trends in teen pregnancy rates in Arizona in 1999-2009.

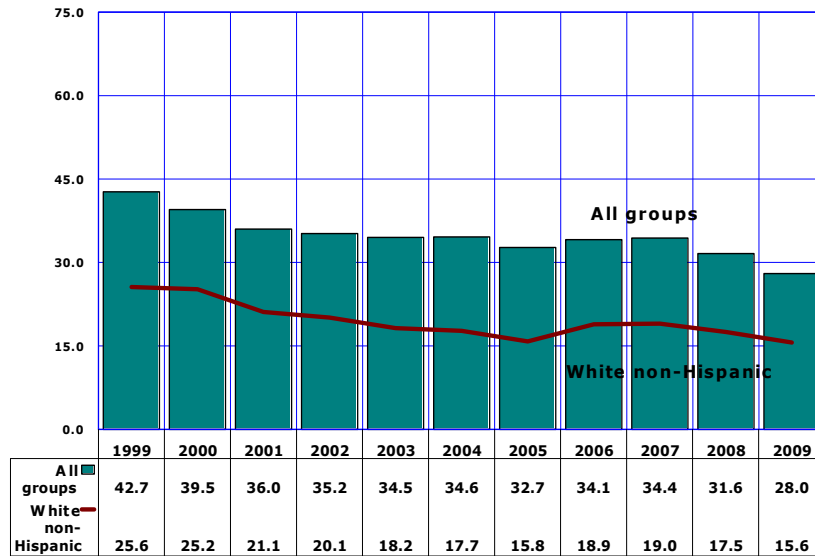
The pregnancy rate fell 8.7 percent for Hispanic or Latino females 19 years or younger in 1999-2003 and then increased in 2004 and 2006. From 2006 to 2009 the pregnancy rate of Hispanic or Latino females fell by 22.3 percent (Figure 4).

In each year from 1998 to 2008, the pregnancy rates of Hispanic or Latino females were consistently greater than the average rates for all females 19 years or younger in Arizona. In 2009, the Hispanic rate exceeded the average rate for all groups by 55.4 percent.



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

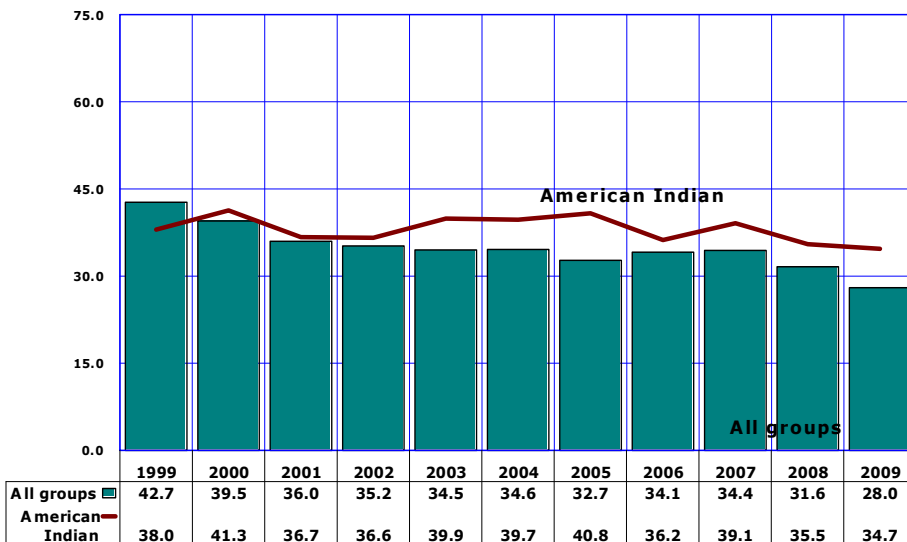
Figure 5
Comparison of Pregnancy Rates by Year among White non-Hispanics
and all Females 19 or Younger, Arizona, 1999-2009



The pregnancy rate for White non-Hispanics sharply increased by 19.6 percent in 2006 (Figure 5). The rate remained essentially unchanged at 19.0 in 2007 and then fell by 17.9 percent to 15.6/1,000 in 2009. In each year from 1999 to 2009, the pregnancy rates for White non-Hispanic females were lower than the average rates for all females 19 years or younger in Arizona.

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

Figure 6
Comparison of Pregnancy Rates by Year among American Indian or Alaska
Natives and all Females 19 or Younger, Arizona, 1999-2009



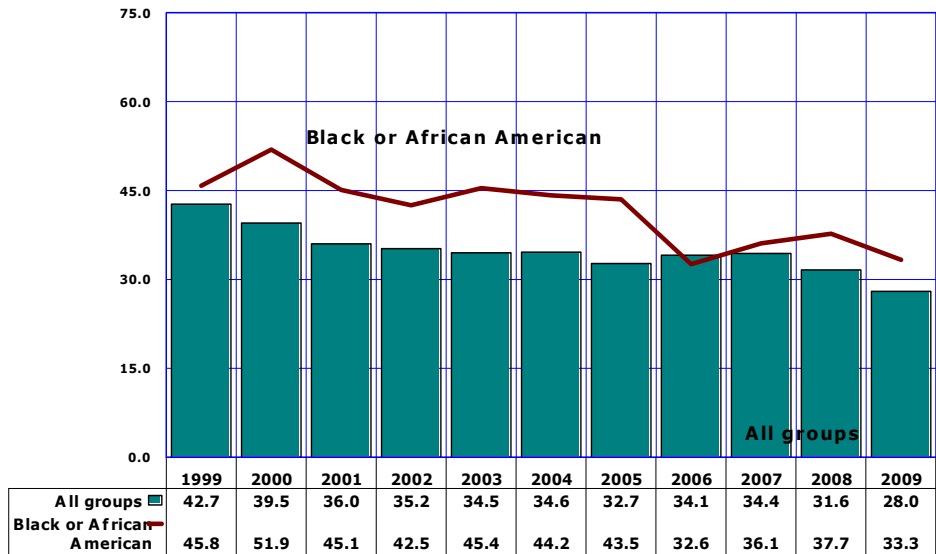
Despite some of the decreases noted between 2001 and 2002, the annual pregnancy rates among American Indian females 19 years or younger erratically varied from year to year (Figure 6). The American Indian rates were lower than the average in 1999 a, but higher in 2000-2009.

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

KEY FINDINGS

Figure 7
Comparison of Pregnancy Rates by Year among Black or African Americans and all Females 19 or Younger, Arizona, 1999-2009

The pregnancy rates for Black or African American females 19 years or younger increased from 45.8/1,000 in 1999 to 51.9/1,000 in 2000 (**Figure 7**). Except 2006, the pregnancy rates for Black or African American teenagers exceeded in 1999-2006 and 2007-2009 the pregnancy rate for all groups.

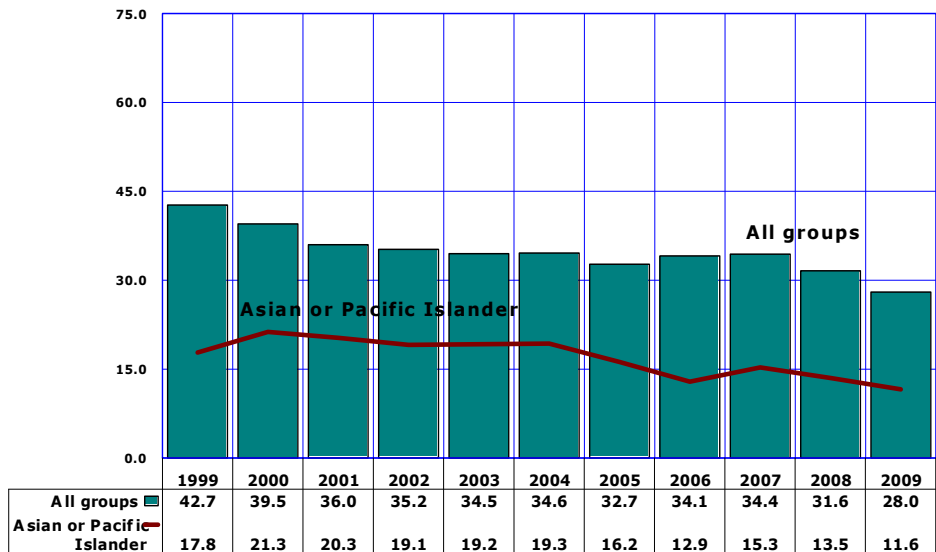


Note: All rates are per 1,000 females in specified group.

Figure 8
Comparison of Pregnancy Rates by Year among Asian or Pacific Islanders and all Females 19 or Younger, Arizona, 1999-2009

In each year from 1998 to 2008, the pregnancy rates for Asian or Pacific Islander females 19 years or younger were substantially lower than the average rates among all females 19 years or younger in Arizona (**Figure 8**). In 2009, the Asian rate (11.6/1,000) was 58.6 percent lower than the rate for all groups (28.0/1,000).

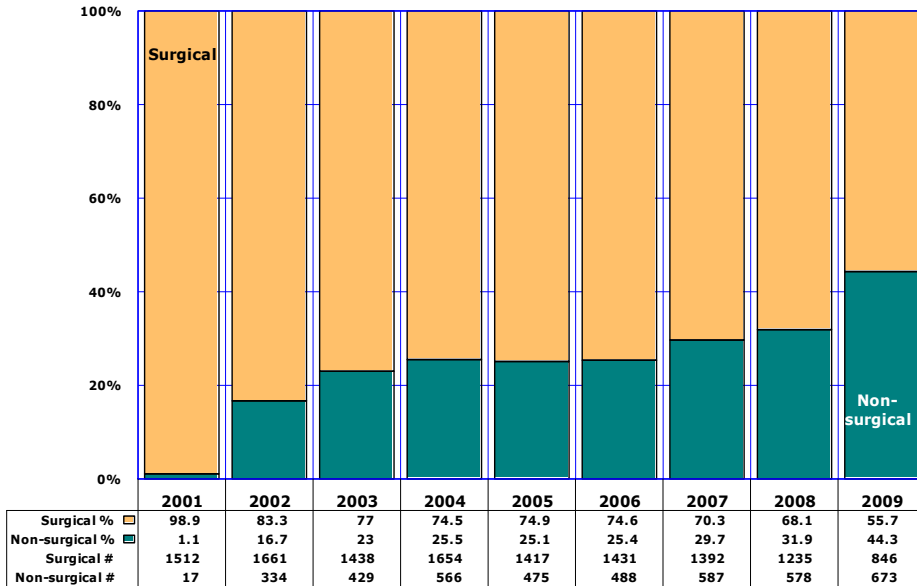
If the 2009 "risk for pregnancy" of Asian teens (i.e., their pregnancy rate) applied to all Arizona females 19 years or younger, the number of teen pregnancies in the State would have been reduced from 12,537 to approximately 5,200.



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

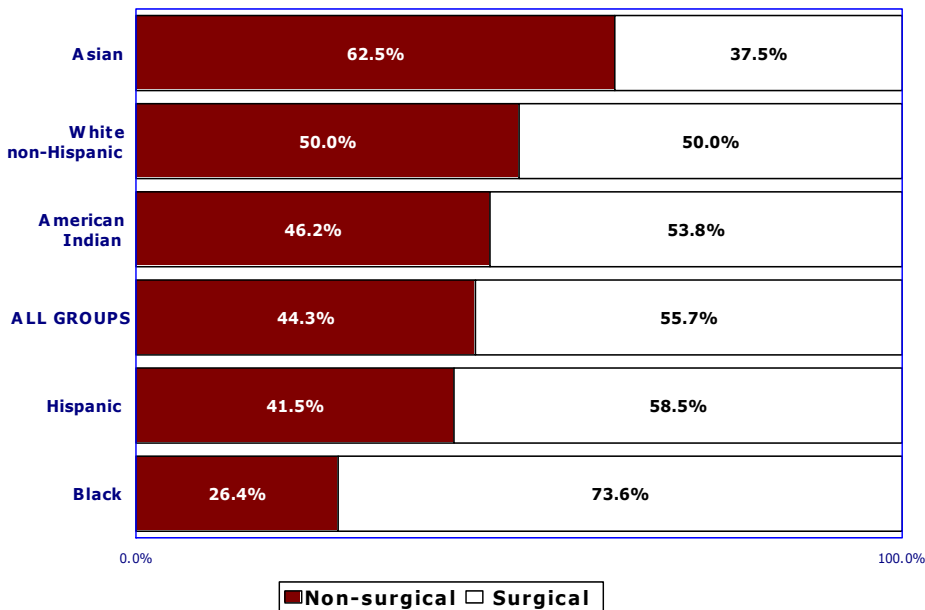
KEY FINDINGS

Figure 9
Proportional Contribution of Surgical and Non-Surgical Abortions
by Year among Females 19 or Younger, Arizona, 2001-2009



The proportion of non-surgical abortions to females 19 years or younger increased for the 4th consecutive year from 25.1 percent in 2005 to 44.3 percent in 2009 (Figure 9).

Figure 10
Proportional Contribution of Non-Surgical and Surgical Abortions by
Race/Ethnicity among Females 19 or Younger, Arizona, 2009

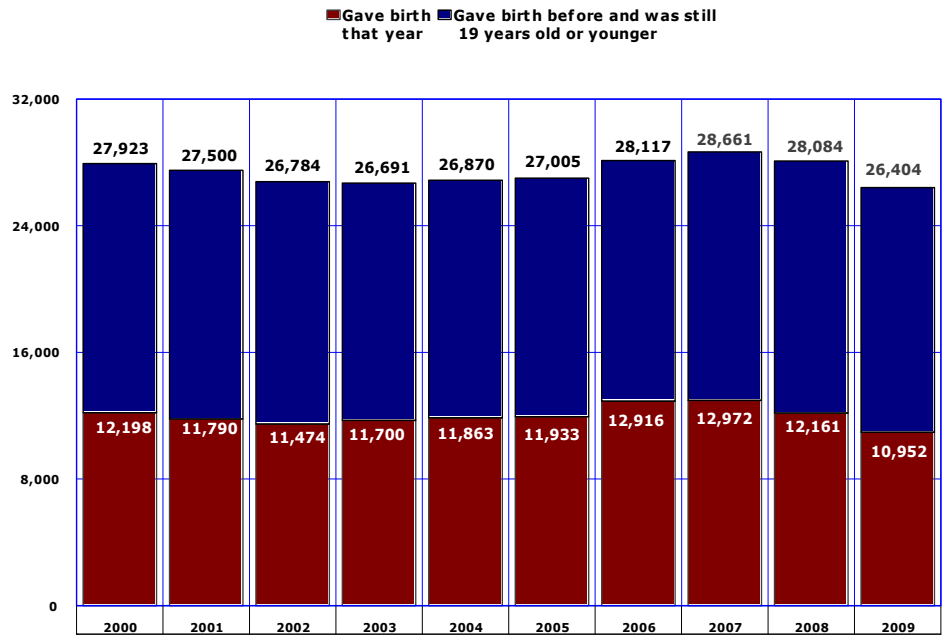


Among Asian, White non-Hispanic and American Indian teens the proportion of non-surgical abortions exceeded the average for all groups (Figure 10). The ratios of reported non-surgical abortions among Hispanic and Black females were the lowest among ethnic groups.

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

KEY FINDINGS

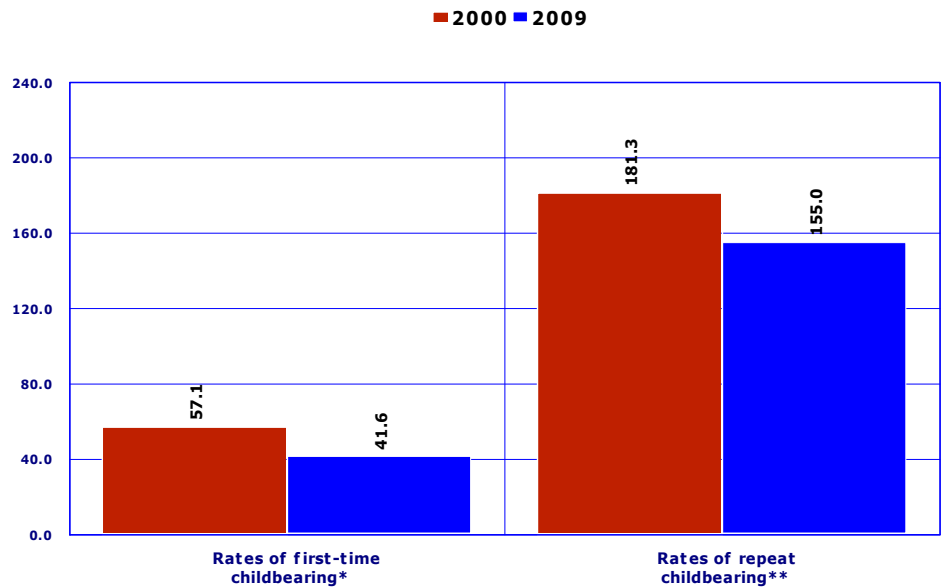
Figure 11
Cumulative Number of Mothers who were 19 or Younger in Arizona by Year, 2000-2009



There were approximately 26,404 mothers under age 20 in Arizona in 2009, the lowest number since 1999. Among them there were the 10,952 who gave birth that year and the 15,452 who gave birth prior to 2009 and were still 19 years old or younger (Figure 11, Table 13). The cumulative number of mothers who were 19 years or younger in Arizona decreased by 7.9 percent from 28,661 in 2007.

*See Table 13 for more details.

Figure 12
Rates of First and Repeat Births to Females 15-19 Years, Arizona, 2000 and 2009

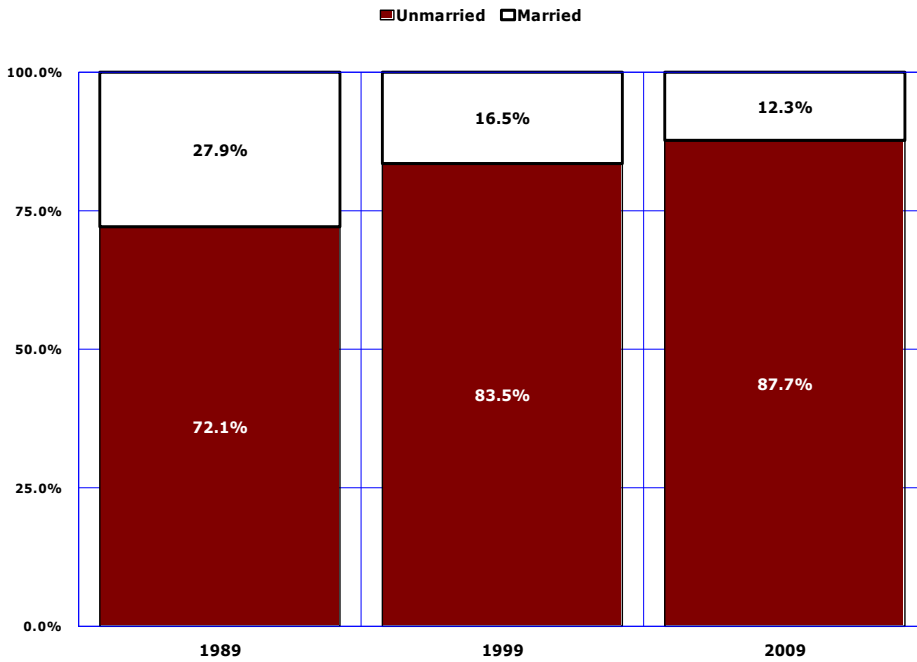


The first birth rate for childless teenagers has dropped 27.1 percent from 57.1 first-time births per 1,000 females 15-19 years old in 2000, to 41.6/1,000 in 2009 (Figure 12).

The repeat birth rates for teenagers who had already had a child decreased by 14.5 percent from 181.3 in 2000 to 155.0 per 1,000 females 15-19 years old in 2009 who had a previous birth (Figure 12).

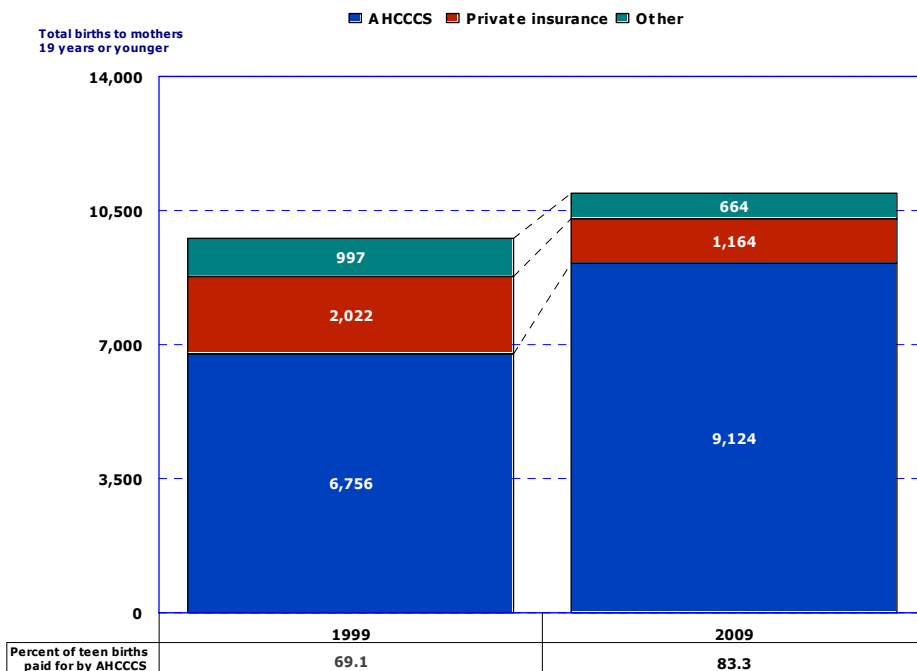
* Number of first births per 1,000 females 15-19 years old who have not had a birth.
 **Number of repeat births per 1,000 females 15-19 years old who have had a previous birth.
 See Appendix "How to compute rates of first and repeat childbearing."

Figure 13
Births to Mothers 19 or Younger by Marital Status,
Arizona, 1989, 1999 and 2009



Unwed mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s. Two decades ago, approximately 7 out of 10 teenage mothers were unmarried (**Figure 13**). In 2009, nonmarital births accounted for 87.7 percent of births to mothers 19 years or younger.

Figure 14
Number of Births to Mothers 19 or Younger by Payee,
Arizona, 1999 and 2009



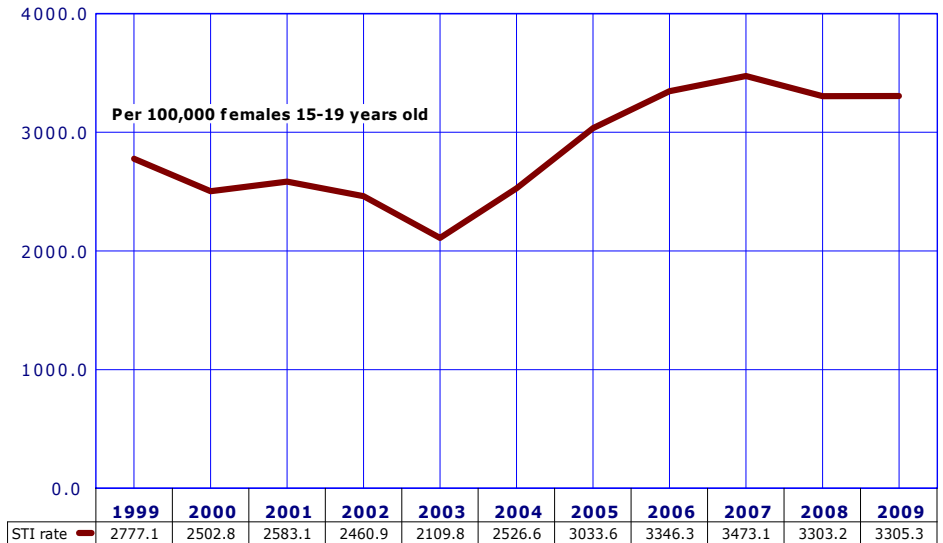
The total number of births to mothers 19 years or younger increased by 12.0 percent from 9,775 in 1999 to 10,952 in 2009 (**Table 1**). In contrast, the number of teen births paid for by the Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) increased by 35.1 percent from 6,756 in 1999 to 9,124 in 2009.

In 2009, the Arizona Health Care Cost Containment System paid for 83.3 percent of the deliveries to mothers 19 or younger (**Table 23**), compared to 69.1 percent in 1999 (**Figure 14**).

KEY FINDINGS

Figure 15
Trends in the Incidence of Sexually Transmitted Infections* among Females 15-19 Years, Arizona, 1999-2009

In each year from 2006 to 2009, the total number of sexually transmitted infections (STI) among females aged 19 or younger exceeded 7,400 (Table 15) compared to approximately 4,300 reported in 2003. Females aged 15-19 years accounted for 96.7 percent of all sexually transmitted infections in 2009. The rate of STI among females 15-19 years old increased by 64.7 percent from 2109.8 cases per 100,000 in 2003 to 3473.1/100,000 in 2007 and then declined to a rate of 3303.2/100,000 in 2008. The 2009 rate of 3305.3 was not significantly higher from the 2008 rate.



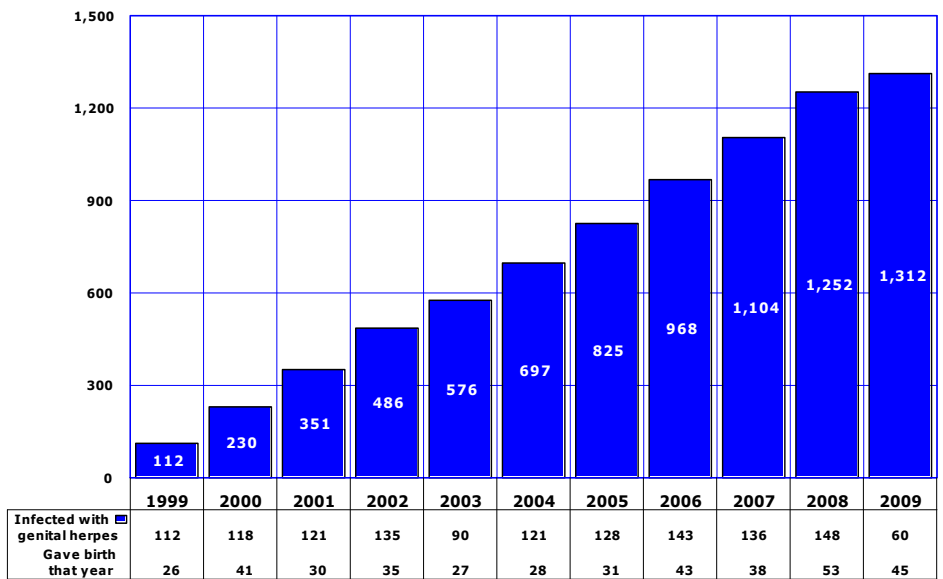
These STIs include *chlamydia* and *syphilis*. *Chlamydia* can cause sterility in the affected mother and eye infections and pneumonia in the newborn. *Syphilis* can cause blindness, maternal and/or infant death.

* The sum of annually reported cases of gonorrhea, chlamydia, genital herpes, and early syphilis. Source: Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services.

Figure 16
Cumulative Number of Cases of Genital Herpes among Females 15-19 Years, Arizona, 1999-2009

Unlike gonorrhea or chlamydia, genital herpes cannot be cured. Since genital herpes is not a fatal disease, new cases arising each year may add to the pool of people infected with the disease who can then transmit the disease to others.

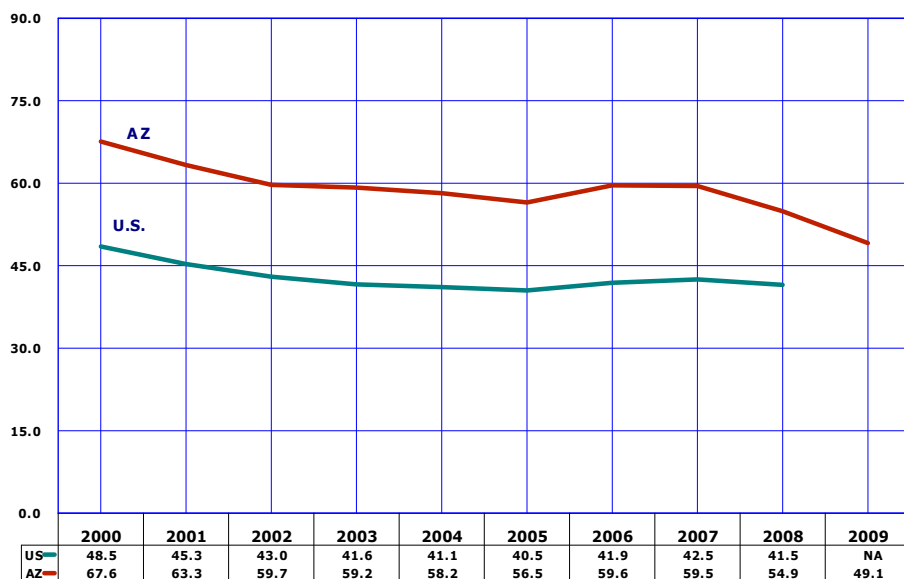
Assuming that females 15-19 years old reported with genital herpes since 1999 have not died or left the State, the 2009 prevalence of this diseases based on 1,312 accumulated cases (Figure 16) would be 594.9/100,000. In other words, one in every 168 females aged 15-19 years may be infected.



Genital herpes also is a threat to newborns. Out of 60 females aged 15-19 years who were diagnosed with genital herpes in 2009, 45 (or 75.0 percent) also gave birth that year (Figure 16, Table 15).

KEY FINDINGS

Figure 17
Birth Rates for Teenagers 15-19 Years Nationally, 2000-2008 and in Arizona, 2000-2009



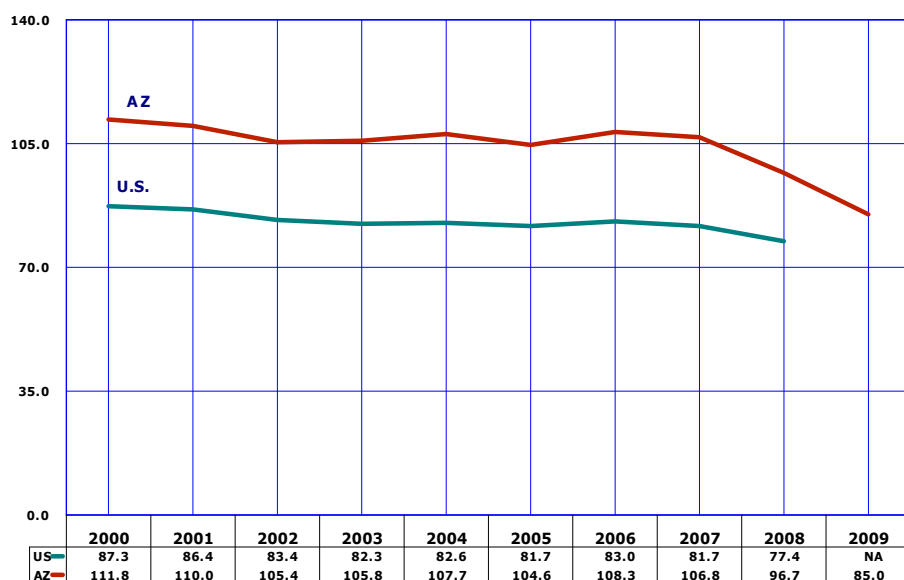
In each year from 2000 to 2006 birth rates for Arizona teenagers 15-19 years old exceeded by no less than 32.3 percent the rates of their national peers (**Figure 17, Table 11**; the 2008 rate is the latest one available nationally).

In Arizona, Hispanic or Latino females 15-19 years old, a high-fertility group, accounted for 33.4 percent of females aged 15-19 years in 2009; twice their proportional representation of 16.8 percent nationally.* A high proportional representation of Hispanic or Latino females in Arizona puts upward pressure on the overall teen birth rate.

*Based on data in Table 4 in: Kristin Anderson Moore, Teen Births: examining the Recent Increase. The national campaign to Prevent Teen and Unplanned Pregnancy. October 2008. Available online at: www.thenationalcampaign.org/resources/birthdata

The number of births per 1,000 females 15-19 years old.

Figure 18
Birth Rates for Hispanic or Latino Teenagers 15-19 Years Nationally, 2000-2008 and in Arizona, 2000-2009



In 2008, Hispanics or Latinos aged 15-19 years disproportionately accounted for 58.8 percent of births to mothers in this age group in Arizona (7,057 out of 12,000; see **Table 6** and **Table 7**) compared to 33.3 percent nationally.*

In her analysis of the recent (2006) increase in teen births, Kristin Anderson Moore points out that "given high levels of immigration from Mexico and teen birth rates in Mexico of 80.6 in 2006 (...), immigration from Mexico represents a possible explanation".** Teen birth rate in Mexico, quoted above, is similar to the U.S. rates for Hispanic or Latino teenagers. What is puzzling is that the birth rates of Arizona Hispanic teens exceed, consistently and substantially, not only the corresponding U.S. rates but also the teen birth rate in Mexico.

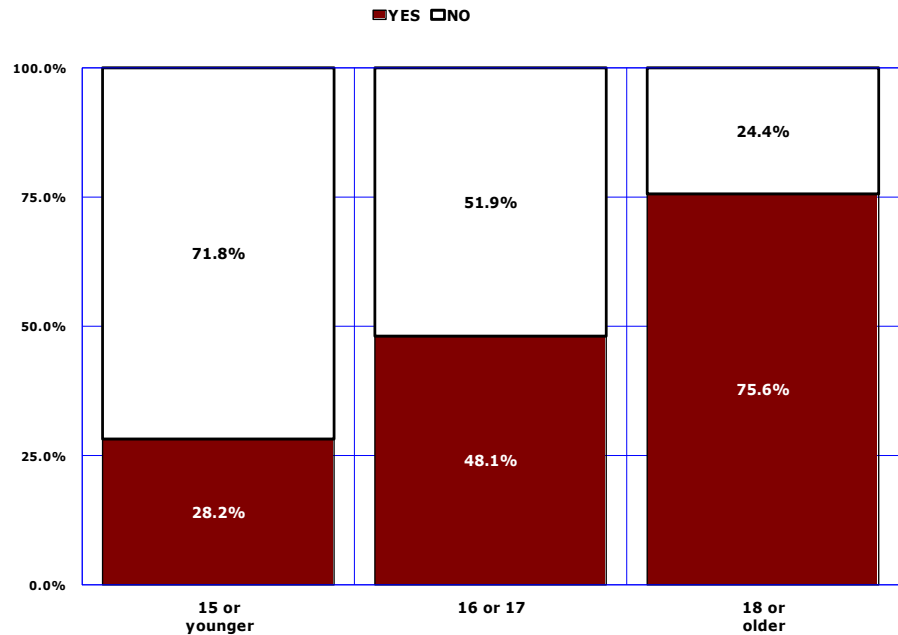
* Births: Final Data for 2008 available at http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_01.pdf

** Page 4 in: Kristin Anderson Moore, Teen Births: examining the Recent Increase. The National Campaign to Prevent Teen and Unplanned Pregnancy. October 2008.

The number of births per 1,000 females 15-19 years old.

KEY FINDINGS

Figure 19
Percentage of Female High School Students Who Ever Had Sexual Intercourse, Arizona, 2009

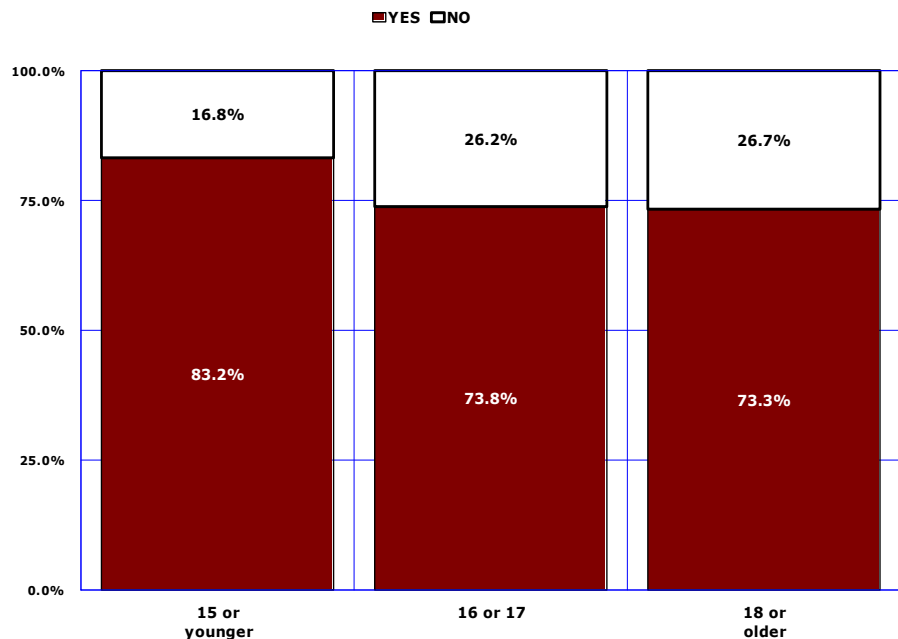


Patterns in sexual activity such as the age at first intercourse and the frequency of intercourse are among the factors for both pregnancy rate and the incidence of sexually transmitted infections.

The age-specific proportions of female high school students (including charter schools) who ever had sexual intercourse in **Figure 19** are from the latest Arizona Youth Behavior Survey conducted in 2009.

Based on the results of the 2009 Arizona Youth Risk Behavior Survey. For more details see <https://www.azed.gov/sa/health/whatsnew.asp#ResultsFrom2009>

Figure 20
Percentage of Female High School Students Who Used Specified Method of Contraception The Last Time They Had Sexual Intercourse, Arizona, 2009



The 2009 Arizona Youth Behavior Survey results for female high school students asked whether they used a specified method of contraception the last time they had sexual intercourse (**Figure 20**) reveal that compared to younger teens, older teens were less likely to use any method of contraception.

Perhaps, not a small fraction of older teens who were sexually active but not using contraception in 2009 were not so much placing themselves at a risk of unintended pregnancy but intentionally trying to have a baby?

Percent of female students who ever had sexual intercourse. Based on the results of the 2009 Arizona Youth Risk Behavior Survey. For more details see <https://www.azed.gov/sa/health/whatsnew.asp#ResultsFrom2009>

TEENAGE PREGNANCY, ARIZONA, 1999-2009

DATA TABLES

**TABLE 1
PREGNANCIES AND PREGNANCY OUTCOME BY AGE GROUP AND YEAR,
FEMALES 19 OR YOUNGER, ARIZONA, 1999-2009**

Pregnancy outcome by year	Total females 19 years or younger	Under 15 years	15-19 years old		
			Total	15-17 years	18-19 years
ALL PREGNANCIES					
1999	14,095	303	13,792	4,993	8,799
2000	14,287	278	14,009	5,016	8,993
2001	13,429	253	13,170	4,661	8,515
2002	13,572	255	13,317	4,696	8,621
2003	13,654	272	13,382	4,755	8,627
2004	14,163	233	13,930	4,955	8,975
2005	13,898	239	13,659	4,790	8,869
2006	14,918	242	14,676	5,105	9,571
2007	15,038	325	14,713	4,975	9,738
2008	14,047	230	13,817	4,740	9,077
2009	12,537	156	12,381	3,945	8,436
LIVE BIRTHS					
1999	11,963	238	11,725	4,236	7,489
2000	12,189	216	11,973	4,284	7,689
2001	11,790	198	11,592	4,080	7,512
2002	11,474	206	11,268	3,952	7,316
2003	11,700	211	11,489	4,110	7,379
2004	11,863	188	11,675	4,227	7,448
2005	11,933	185	11,748	4,179	7,569
2006	12,916	170	12,746	4,450	8,296
2007	12,972	180	12,792	4,361	8,431
2008	12,161	161	12,000	4,151	7,849
2009	10,952	132	10,820	3,501	7,319
ABORTIONS					
1999	2,046	60	1,986	727	1,259
2000	1,988	57	1,931	684	1,247
2001	1,528	46	1,482	540	942
2002	1,995	44	1,951	705	1,246
2003	1,867	60	1,807	614	1,193
2004	2,220	44	2,176	703	1,473
2005	1,892	54	1,838	582	1,256
2006	1,919	69	1,850	624	1,226
2007	1,979	142	1,837	576	1,261
2008	1,813	67	1,746	567	1,179
2009	1,519	24	1,495	418	1,077
FETAL LOSSES					
1999	85	5	80	29	51
2000	110	5	105	48	57
2001	111	9	102	41	61
2002	103	5	98	39	59
2003	87	1	86	31	55
2004	80	1	79	25	54
2005	73	0	73	29	44
2006	83	3	80	31	49
2007	87	3	84	38	46
2008	73	2	71	22	49
2009	66	0	66	26	40

TABLE 2
PREGNANCY RATES¹ BY PREGNANCY OUTCOME, AGE GROUP AND YEAR,
FEMALES 19 OR YOUNGER, ARIZONA, 1999-2009

Pregnancy outcome by year	Total females 19 years or younger	Under 15 years	15-19 years old		
			Total	15-17 years	18-19 years
ALL PREGNANCIES					
1999	42.7	1.8	85.7	51.5	137.6
2000	39.5	1.5	79.1	48.1	123.6
2001	36.0	1.3	72.0	43.2	112.2
2002	35.2	1.3	70.6	42.2	111.2
2003	34.5	1.4	68.9	41.6	108.2
2004	34.6	1.1	69.4	42.0	108.7
2005	32.7	1.1	65.6	39.1	103.6
2006	34.1	1.1	68.7	39.0	115.6
2007	34.4	1.5	68.4	36.9	121.4
2008	31.6	1.0	63.2	34.6	111.3
2009	28.0	0.7	56.1	28.5	102.5
LIVE BIRTHS					
1999	36.2	1.4	72.9	43.7	117.1
2000	33.7	1.2	67.6	41.1	105.7
2001	31.6	1.0	63.3	37.8	99.9
2002	29.8	1.0	59.7	35.5	94.3
2003	29.5	1.0	59.2	35.9	92.5
2004	29.0	0.9	58.2	35.8	90.2
2005	28.1	0.9	56.5	34.1	88.4
2006	29.6	0.8	59.6	34.0	100.2
2007	29.7	0.8	59.5	32.3	105.1
2008	27.4	0.7	54.9	30.3	96.3
2009	24.4	0.6	49.1	25.3	89.0
ABORTIONS					
1999	6.1	0.3	12.3	7.5	19.7
2000	5.5	0.3	10.9	6.6	17.1
2001	4.1	0.2	8.1	5.0	12.5
2002	5.2	0.2	10.3	6.3	16.1
2003	4.7	0.3	9.3	5.4	15.0
2004	5.4	0.2	10.8	6.0	17.8
2005	4.5	0.2	8.8	4.8	14.7
2006	4.4	0.3	8.7	4.8	14.8
2007	4.5	0.6	8.5	4.3	15.7
2008	4.1	0.3	8.0	4.1	14.5
2009	3.4	0.1	6.8	3.0	13.1
FETAL LOSSES					
1999	0.3	0.0	0.5	0.3	0.8
2000	0.3	0.0	0.6	0.5	0.8
2001	0.3	0.0	0.6	0.4	0.8
2002	0.3	0.0	0.5	0.4	0.8
2003	0.2	0.0	0.4	0.3	0.7
2004	0.2	0.0	0.4	0.2	0.7
2005	0.2	0.0	0.4	0.2	0.5
2006	0.2	0.0	0.4	0.2	0.6
2007	0.2	0.0	0.4	0.3	0.6
2008	0.2	0.0	0.3	0.2	0.6
2009	0.2	0.0	0.3	0.2	0.5

¹ The number of pregnancies (live births + abortions + fetal deaths) per 1,000 females in specified age group.
0.0: Quantity more than zero but less than 0.05.

**TABLE 3
LIVE BIRTHS TO FEMALES 19 OR YOUNGER BY AGE GROUP, RACE/ETHNICITY
AND YEAR, ARIZONA, 1999-2009**

Race/ethnic group and year	Total, females 19 years or younger	Under 15 years	15-19 years		
			Total	15-17 years	18-19 years
WHITE NON-HISPANIC					
1999	3,869	31	3,838	1,115	2,723
2000	3,759	38	3,721	1,040	2,681
2001	3,396	34	3,362	926	2,436
2002	3,064	23	3,041	824	2,217
2003	2,970	23	2,947	782	2,165
2004	2,806	17	2,789	747	2,042
2005	2,744	17	2,727	711	2,016
2006	3,209	19	3,190	852	2,338
2007	3,100	26	3,074	779	2,295
2008	2,993	15	2,978	769	2,209
2009	2,715	20	2,695	649	2,046
HISPANIC OR LATINO					
1999	6,161	149	6,012	2,415	3,597
2000	6,548	144	6,404	2,567	3,837
2001	6,648	132	6,516	2,552	3,964
2002	6,585	147	6,438	2,507	3,931
2003	6,792	146	6,646	2,600	4,046
2004	7,138	137	7,001	2,779	4,222
2005	7,188	137	7,051	2,721	4,330
2006	7,738	123	7,615	2,923	4,692
2007	7,782	115	7,667	2,892	4,775
2008	7,168	111	7,057	2,724	4,333
2009	6,341	87	6,254	2,253	4,001
BLACK OR AFRICAN AMERICAN					
1999	603	14	589	222	367
2000	572	12	560	198	362
2001	545	13	532	193	339
2002	468	12	456	152	304
2003	549	3	546	204	342
2004	540	12	528	180	348
2005	569	8	561	199	362
2006	601	7	594	187	407
2007	621	12	609	195	414
2008	656	12	644	203	441
2009	603	6	597	181	416
AMERICAN INDIAN OR ALASKA NATIVE					
1999	1,050	38	1,012	389	623
2000	1,089	20	1,069	405	664
2001	1,013	17	996	348	648
2002	1,039	18	1,021	374	647
2003	1,141	37	1,104	434	670
2004	1,142	21	1,121	452	669
2005	1,204	21	1,183	478	705
2006	1,216	19	1,197	430	767
2007	1,285	26	1,259	445	814
2008	1,185	22	1,163	408	755
2009	1,170	17	1,153	394	759
ASIAN OR PACIFIC ISLANDER					
1999	108	1	107	28	79
2000	100	1	99	29	70
2001	104	0	104	29	75
2002	96	1	95	19	76
2003	107	1	106	38	68
2004	92	1	91	25	66
2005	96	1	95	28	67
2006	92	1	91	28	63
2007	103	0	103	31	72
2008	113	1	112	26	86
2009	88	2	86	18	68

**TABLE 4
ABORTIONS TO FEMALES 19 OR YOUNGER BY AGE GROUP, RACE/ETHNICITY
AND YEAR, ARIZONA, 1999-2009**

Race/ethnic group and year	Total, females 19 years or younger	Under 15 years	15-19 years		
			Total	15-17 years	18-19 years
WHITE NON-HISPANIC					
1999	981	26	955	369	586
2000	1,020	25	995	342	653
2001	746	16	730	262	458
2002	1,010	20	990	367	623
2003	914	18	896	304	592
2004	1,095	19	1,076	341	735
2005	867	15	852	278	574
2006	917	28	889	296	593
2007	982	71	911	282	629
2008	841	21	820	266	554
2009	720	11	709	207	502
HISPANIC OR LATINO					
1999	540	16	524	183	341
2000	610	22	588	228	360
2001	534	22	512	199	313
2002	650	15	635	235	400
2003	630	27	603	197	406
2004	784	20	764	247	517
2005	522	21	501	151	350
2006	609	24	585	193	392
2007	710	44	666	210	456
2008	561	34	527	173	354
2009	525	8	517	136	381
BLACK OR AFRICAN AMERICAN					
1999	96	7	89	27	62
2000	115	5	110	42	68
2001	71	3	68	28	40
2002	118	4	114	30	84
2003	107	6	101	40	61
2004	125	1	124	46	78
2005	114	5	109	32	77
2006	124	9	115	48	67
2007	136	13	123	42	81
2008	143	5	138	43	95
2009	110	3	107	28	79
AMERICAN INDIAN OR ALASKA NATIVE					
1999	56	3	53	17	36
2000	43	2	41	13	28
2001	29	3	26	7	19
2002	40	3	37	12	25
2003	68	3	65	25	40
2004	65	1	64	17	47
2005	76	4	72	21	51
2006	55	1	54	24	30
2007	63	8	55	22	33
2008	54	2	52	17	35
2009	52	0	52	22	30
ASIAN OR PACIFIC ISLANDER					
1999	28	1	27	10	17
2000	37	0	37	11	26
2001	30	0	30	15	15
2002	34	0	34	10	24
2003	27	1	26	7	19
2004	56	1	55	19	36
2005	35	0	35	10	25
2006	40	3	37	11	26
2007	63	4	59	8	51
2008	36	2	34	12	22
2009	40	1	39	8	31

**TABLE 5
NUMBER OF PREGNANCIES¹ BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR
AMONG FEMALES 17 OR YOUNGER WITH RATES², ARIZONA, 1999-2009**

Race/ethnicity Pregnancy outcome	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 Rates
WHITE³ NON-HISPANIC, total:	1,566	1,462	1,250	1,245	1,131	1,129	1,028	1,204	1,165	1,074	894	5.0
Births	1,146	1,078	960	847	805	764	728	871	805	784	669	3.7
Abortions	395	367	278	387	322	360	293	324	353	287	218	1.2
HISPANIC OR LATINO, total:	2,763	2,991	2,930	2,926	2,993	3,198	3,043	3,281	3,286	3,057	2,496	19.0
Births	2,564	2,711	2,684	2,654	2,746	2,916	2,858	3,046	3,007	2,835	2,340	17.8
Abortions	199	250	221	250	224	267	172	217	254	207	144	1.1
BLACK OR AFRICAN AMERICAN, total:	275	227	240	207	256	241	247	255	268	266	221	12.2
Births	236	210	206	164	207	192	207	194	207	215	187	10.3
Abortions	34	47	31	34	46	47	37	57	55	48	31	1.7
AMERICAN INDIAN OR ALASKA NATIVE, total:	450	476	384	409	501	495	530	477	504	452	436	15.3
Births	427	425	365	392	471	473	499	449	471	430	411	14.4
Abortions	20	15	10	15	28	18	25	25	30	19	22	0.8
ASIAN OR PACIFIC ISLANDER, total:	40	41	44	30	47	46	39	43	43	41	30	3.3
Births	29	30	29	20	39	26	29	29	31	27	20	2.2
Abortions	11	11	15	10	8	20	10	14	12	14	9	1.0
ALL RACE/ETHNIC GROUPS⁴, total:	5,296	5,294	4,914	4,951	5,027	5,188	5,029	5,347	5,300	4,970	4,101	11.2
Births	4,474	4,500	4,278	4,158	4,321	4,415	4,364	4,620	4,541	4,312	3,633	9.9
Abortions	787	741	586	749	674	747	636	693	718	634	442	1.2
Pregnancy rate, total:	19.9	18.4	16.5	16.1	15.9	15.9	14.8	15.1	14.8	13.7	11.2	
Fertility rate⁵	16.8	15.6	14.3	13.5	13.7	13.5	12.9	13.0	12.7	11.9	9.9	
Abortion rate	3.0	2.6	2.0	2.4	2.1	2.3	1.9	2.0	2.0	1.7	1.2	

¹Fetal deaths are included in the total counts of pregnancies.

²All rates per 1,000 females 10-17 years old.

³Not of Hispanic origin.

⁴Includes other and unspecified ethnicity.

⁵Number of births per 1,000 females 10-17 years old.

**TABLE 6
NUMBER OF PREGNANCIES¹ BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR
AMONG FEMALES 15-17 YEARS OLD WITH RATES², ARIZONA, 1999-2009**

Race/ethnicity Pregnancy outcome	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 Rates
WHITE³ NON-HISPANIC, total:	1,505	1,397	1,197	1,202	1,090	1,093	996	1,157	1,067	1,038	863	12.3
Births	1,115	1,040	926	824	782	747	711	852	779	769	649	9.3
Abortions	369	342	262	367	304	341	278	296	282	266	207	3.0
HISPANIC OR LATINO, total:	2,598	2,823	2,771	2,761	2,819	3,040	2,885	3,131	3,126	2,911	2,401	51.3
Births	2,415	2,567	2,552	2,507	2,600	2,779	2,721	2,923	2,892	2,724	2,253	48.1
Abortions	183	228	199	235	197	247	151	193	210	173	136	2.9
BLACK OR AFRICAN AMERICAN, total:	254	242	224	189	247	228	234	239	242	248	212	31.6
Births	222	198	193	152	204	180	199	187	195	203	181	26.9
Abortions	27	42	28	30	40	46	32	48	42	43	28	4.2
AMERICAN INDIAN OR ALASKA NATIVE, total:	408	421	363	388	461	473	505	457	470	428	419	36.9
Births	389	405	348	374	434	452	478	430	445	408	394	34.7
Abortions	17	13	7	12	25	17	21	24	22	17	22	1.9
ASIAN OR PACIFIC ISLANDER, total:	38	40	44	29	45	44	38	39	39	38	27	8.2
Births	28	29	29	19	38	25	28	28	31	26	18	5.4
Abortions	10	11	15	10	7	19	10	11	8	12	1	2.4
ALL RACE/ETHNIC GROUPS⁴, total:	4,993	5,016	4,661	4,696	4,755	4,955	4,790	5,105	4,975	4,740	3,945	28.5
Births	4,236	4,284	4,080	3,952	4,110	4,227	4,179	4,450	4,361	4,151	3,501	25.3
Abortions	727	684	540	705	614	703	582	624	576	567	418	3.0
Pregnancy rate, total:	51.5	48.1	43.2	42.2	41.6	42.0	39.1	39.0	36.9	34.6	28.5	
Fertility rate⁵	43.7	41.1	37.8	35.5	35.9	35.8	34.1	34.0	32.3	30.3	25.3	
Abortion rate	7.5	6.6	5.0	6.3	5.4	6.0	4.8	4.8	4.3	4.1	3.0	

¹Fetal deaths are included in the total counts of pregnancies.

²All rates per 1,000 females 15-17 years old.

³Not of Hispanic origin.

⁴Includes other and unspecified ethnicity.

⁵Number of births per 1,000 females 15-17 years old.

**TABLE 7
NUMBER OF PREGNANCIES¹ BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR
AMONG FEMALES 18-19 YEARS OLD WITH RATES², ARIZONA, 1999-2009**

Race/ethnicity Pregnancy outcome	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 Rates
WHITE³ NON-HISPANIC, total:	3,349	3,352	2,925	2,857	2,772	2,795	2,603	2,944	2,936	2,778	2,560	59.6
Births	2,723	2,681	2,436	2,217	2,165	2,042	2,016	2,338	2,295	2,209	2,046	47.6
Abortions	586	653	468	623	592	735	574	593	629	554	502	11.7
HISPANIC OR LATINO, total:	3,938	4,222	4,309	4,361	4,483	4,767	4,705	5,115	5,259	4,707	4,400	164.2
Births	3,597	3,837	3,964	3,931	4,046	4,222	4,330	4,692	4,775	4,333	4,001	149.3
Abortions	341	360	313	400	406	517	350	392	456	354	381	14.2
BLACK OR AFRICAN AMERICAN, total:	434	433	382	398	408	430	441	476	498	546	501	141.7
Births	367	362	339	304	342	348	362	407	414	441	416	117.6
Abortions	62	68	40	84	61	78	77	67	81	95	79	22.3
AMERICAN INDIAN OR ALASKA NATIVE, total:	665	700	669	673	714	720	759	800	849	794	793	114.0
Births	623	664	648	647	670	669	705	767	814	755	759	109.1
Abortions	36	28	19	25	40	47	51	30	33	35	30	4.3
ASIAN OR PACIFIC ISLANDER, total:	96	96	90	100	87	102	93	89	124	108	99	48.7
Births	79	70	75	76	68	66	67	63	72	86	68	33.4
Abortions	17	26	15	24	19	36	25	26	51	22	31	15.2
ALL RACE/ETHNIC GROUPS⁴, total:	8,799	8,993	8,515	8,621	8,627	8,975	8,869	9,571	9,738	9,077	8,436	102.5
Births	7,489	7,689	7,512	7,316	7,379	7,448	7,569	8,296	8,431	7,849	7,319	89.0
Abortions	1,259	1,247	942	1,246	1,193	1,473	1,256	1,226	1,261	1,179	1,077	13.1
Pregnancy rate, total:	137.6	123.6	113.2	111.2	108.2	108.7	103.6	115.6	121.4	111.3	102.5	
Fertility rate⁵	117.1	105.7	99.9	94.3	92.5	90.2	88.4	100.2	105.1	96.3	89.0	
Abortion rate	19.7	17.1	12.5	16.1	15.0	17.8	14.7	14.8	15.7	14.5	13.1	

¹Fetal deaths are included in the total count of pregnancies.

²All rates per 1,000 females 18-19 years old.

³Not of Hispanic origin.

⁴Includes other and unspecified ethnicity.

⁵Number of births per 1,000 females 18-19 years old.

**TABLE 8
NUMBER OF PREGNANCIES¹ BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR
AMONG FEMALES 19 OR YOUNGER, WITH RATES², ARIZONA, 1999-2009**

Race/ethnicity Pregnancy outcome	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 Rates
WHITE³ NON-HISPANIC, total:	4,915	4,814	4,175	4,102	3,903	3,924	3,631	4,148	4,101	3,852	3,454	15.6
Births	3,869	3,759	3,396	3,064	2,970	2,806	2,744	3,209	3,100	2,993	2,715	12.3
Abortions	981	1,020	746	1,010	914	1,095	867	917	982	841	720	3.2
HISPANIC OR LATINO, total:	6,701	7,213	7,239	7,287	7,476	7,965	7,748	8,396	8,545	7,764	6,896	43.5
Births	6,161	6,548	6,648	6,585	6,792	7,138	7,188	7,738	7,782	7,168	6,341	40.0
Abortions	540	610	534	650	630	784	522	609	710	561	525	3.3
BLACK OR AFRICAN AMERICAN, total:	669	620	622	605	664	671	688	731	766	812	722	33.3
Births	603	572	545	468	549	540	569	601	621	656	603	27.8
Abortions	96	115	71	118	107	125	114	124	136	143	110	5.1
AMERICAN INDIAN OR ALASKA NATIVE, total:	1,155	1,216	1,053	1,082	1,215	1,215	1,289	1,277	1,353	1,246	1,229	34.7
Births	1,050	1,089	1,013	1,039	1,141	1,142	1,204	1,216	1,285	1,185	1,170	33.0
Abortions	56	43	29	40	68	65	76	55	63	54	52	1.5
ASIAN OR PACIFIC ISLANDER, total:	136	137	134	130	134	148	132	132	167	149	129	11.6
Births	108	100	104	96	107	92	96	92	103	113	88	7.9
Abortions	28	37	30	34	27	56	35	40	63	36	40	3.6
ALL RACE/ETHNIC GROUPS⁴, total:	14,095	14,287	13,429	13,572	13,654	14,163	13,898	14,918	15,038	14,047	12,537	28.0
Births	11,963	12,189	11,790	11,474	11,700	11,863	11,933	12,916	12,972	12,161	10,952	24.4
Abortions	2,046	1,988	1,528	1,995	1,867	2,220	1,892	1,919	1,979	1,813	1,519	3.4
Pregnancy rate, total:	42.7	39.5	36.0	35.2	34.5	34.6	32.7	34.1	34.4	31.6	28.0	
Fertility rate⁵	36.2	33.7	31.6	29.8	29.5	29.0	28.1	29.6	29.7	27.4	24.4	
Abortion rate	6.2	5.5	4.1	5.2	4.7	5.4	4.5	4.4	4.5	4.1	3.4	

¹Fetal deaths are included in the total counts of pregnancies.

²All rates per 1,000 females 19 or less years old.

³Not of Hispanic origin.

⁴Includes other and unspecified ethnicity.

⁵Number of births per 1,000 females 19 or less years old.

**TABLE 9
TRENDS IN PREGNANCY RATES* BY COUNTY OF RESIDENCE AMONG FEMALES 10-17 AND 18-19 YEARS OLD,
ARIZONA, 1999-2009**

	ARIZONA	APACHE	COCHISE	COCONINO	GILA	GRAHAM	GREENLEE	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ
1999	42.7	23.9	35.6	30.2	41.4	29.3	34.9	44.6	40.1	40.4	38.8	44.9	41.7	33.7	46.3	29.2
2000	39.5	29.2	38.7	28.6	41.1	28.8	26.7	40.7	33.5	34.8	39.6	47.7	39.3	33.0	42.0	32.6
2001	36.0	21.6	34.3	30.3	43.2	33.8	18.3	37.2	31.4	26.7	36.0	43.7	33.0	26.3	36.7	36.8
2002	35.2	23.2	30.6	26.0	42.4	29.9	40.0	36.0	32.5	28.5	36.3	38.5	36.4	29.6	38.8	35.6
2003	34.5	30.8	31.5	26.9	42.8	27.5	26.0	36.0	30.9	29.6	32.0	38.1	30.0	25.3	40.6	32.2
2004	34.6	32.8	30.0	27.7	38.4	22.5	36.6	35.5	28.7	33.7	33.8	36.4	38.6	27.9	42.1	39.8
2005	32.7	25.9	30.0	27.7	38.8	20.9	31.0	33.9	32.1	33.1	30.6	33.5	30.7	25.7	37.0	49.8
2006	34.1	25.6	24.2	31.0	37.7	35.5	24.7	35.4	33.0	30.0	32.9	34.1	32.9	29.6	38.0	30.0
2007	34.4	27.5	29.1	33.2	41.7	40.1	25.4	35.4	31.9	33.7	30.5	37.4	32.2	33.0	37.8	50.9
2008	31.6	25.3	27.2	28.6	45.9	33.2	33.2	32.5	28.1	36.3	29.0	31.3	31.5	26.9	35.1	38.6
2009	28.0	27.7	28.7	27.6	40.8	33.7	41.2	27.4	25.9	33.2	27.0	27.6	29.1	25.0	36.1	27.8
1999	137.6	88.3	115.5	78.9	121.0	94.8	116.1	146.5	139.4	141.7	118.3	145.9	145.2	114.8	151.7	72.7
2000	135.8	109.9	124.5	74.7	167.3	74.1	123.8	127.8	139.7	154.1	104.7	161.0	132.1	124.9	149.8	127.1
2001	113.2	91.9	116.8	84.3	154.3	84.9	78.4	117.3	132.5	111.7	96.6	156.9	113.7	91.8	130.8	153.0
2002	111.1	100.7	104.4	68.9	151.5	78.4	161.9	114.2	131.5	121.5	96.7	130.2	137.7	115.9	133.4	127.0
2003	108.2	130.1	107.3	70.6	145.5	78.8	64.8	112.4	129.0	123.4	86.0	139.3	130.7	98.7	134.2	113.4
2004	108.7	141.6	106.7	76.9	164.3	57.7	173.1	110.9	112.8	141.3	93.7	121.0	147.2	99.3	135.6	153.8
2005	103.6	105.4	110.0	79.5	150.5	56.7	174.8	106.5	134.0	138.2	83.7	119.8	111.8	104.1	122.2	148.7
2006	115.6	87.9	71.1	84.0	139.8	95.6	69.0	125.0	142.1	99.4	95.8	129.3	108.5	109.2	122.8	63.0
2007	121.4	89.4	99.8	81.2	164.0	103.4	122.4	131.9	157.6	125.8	89.6	144.9	102.8	129.9	129.8	242.8
2008	111.3	89.5	92.4	72.2	165.9	94.7	133.3	120.0	135.7	135.7	86.5	121.8	111.6	100.1	121.7	156.1
2009	102.5	100.2	102.7	68.9	160.2	93.2	203.9	106.0	129.2	132.3	82.3	108.4	115.7	101.3	119.9	127.2
1999	19.9	9.6	15.8	15.1	22.1	13.7	16.3	21.0	17.4	17.9	17.6	22.3	17.1	13.8	20.9	18.6
2000	18.4	15.0	19.1	14.6	17.6	13.9	8.8	18.9	12.0	13.7	19.1	23.8	21.8	13.3	17.5	15.2
2001	16.5	9.2	15.5	13.9	22.5	17.0	7.2	17.2	10.9	11.7	16.9	19.8	17.8	12.3	15.3	15.2
2002	16.1	9.6	13.7	13.0	22.1	14.0	17.5	16.5	12.5	12.0	17.2	19.1	17.2	11.1	17.3	18.7
2003	15.9	13.4	14.3	13.6	23.7	10.7	18.8	16.9	11.1	13.0	14.6	16.8	11.1	9.5	19.3	17.2
2004	15.9	13.5	12.7	12.9	15.4	10.9	10.9	16.5	11.8	14.6	15.1	18.3	17.9	12.3	20.4	17.8
2005	14.8	11.9	11.7	12.1	18.2	9.0	6.6	15.7	11.5	14.4	14.0	14.9	15.2	8.6	17.1	30.7
2006	15.1	10.8	12.0	14.1	16.6	17.6	5.1	15.7	12.4	14.9	14.7	13.4	16.5	11.8	16.6	13.1
2007	14.8	12.5	12.0	16.3	16.2	19.3	8.8	15.3	10.7	14.4	13.6	16.4	17.7	12.8	16.0	15.8
2008	13.7	9.7	11.3	13.2	21.0	12.9	16.2	14.3	9.5	15.5	12.5	13.6	15.0	10.9	14.6	17.0
2009	11.2	10.1	10.8	13.0	15.9	14.2	13.3	11.0	8.1	12.5	11.2	11.8	11.4	8.4	16.1	9.5

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

**TABLE 10
LIVE BIRTHS TO FEMALES 19 OR YOUNGER AS A PERCENTAGE OF TOTAL LIVE BIRTHS BY AREA, RACE/ETHNICITY
AND YEAR, ARIZONA, 1999-2009**

Group	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
ARIZONA, TOTAL¹											
# Births (all ages)	80,505	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687	99,215	92,616
# Births to teenagers	11,963	12,189	11,790	11,474	11,700	11,863	11,933	12,916	12,972	12,161	10,952
% Births to teenagers	14.9	14.3	13.8	13.1	12.9	12.7	12.5	12.7	12.6	12.2	11.8
URBAN COUNTIES²											
# Births (all ages)	68,611	72,596	73,319	74,851	77,905	79,951	82,141	87,910	88,266	85,263	79,046
# Births to teenagers	9,896	10,102	9,906	9,512	9,686	9,786	9,827	10,809	10,693	10,013	8,867
% Births to teenagers	14.4	13.9	13.5	12.7	12.4	12.2	12.0	12.3	12.1	11.7	11.2
RURAL COUNTIES											
# Births (all ages)	11,877	12,333	11,851	12,498	12,848	13,409	13,603	14,083	14,413	13,952	13,570
# Births to teenagers	2,067	2,083	1,882	1,959	2,014	2,074	2,103	2,100	2,279	2,148	2,085
% Births to teenagers	17.4	16.9	15.9	15.7	15.7	15.5	15.5	14.9	15.8	15.3	15.4
WHITE NON-HISPANIC											
# Births (all ages)	38,711	39,850	38,934	38,819	38,842	39,271	39,657	43,013	42,216	41,925	39,781
# Births to teenagers	3,869	3,759	3,396	3,064	2,970	2,806	2,744	3,209	3,100	2,993	2,715
% Births to teenagers	10.0	9.4	8.7	7.9	7.6	7.2	6.9	7.5	7.3	7.1	6.8
HISPANIC OR LATINO											
# Births (all ages)	30,784	33,893	35,103	36,089	39,101	40,822	42,156	44,862	45,731	42,639	38,362
# Births to teenagers	6,161	6,548	6,648	6,585	6,792	7,138	7,188	7,738	7,782	7,168	6,341
% Births to teenagers	20.0	19.3	18.9	18.2	17.4	17.5	17.0	17.2	17.0	16.8	16.5
BLACK OR AFRICAN AMERICAN											
# Births (all ages)	2,699	2,760	2,736	2,753	3,022	3,216	3,450	3,864	4,165	4,301	4,378
# Births to teenagers	603	572	545	468	549	540	569	601	621	656	603
% Births to teenagers	22.3	20.7	19.9	17.0	18.2	16.8	16.5	15.6	14.9	15.2	13.8
AMERICAN INDIAN OR ALASKA NATIVE											
# Births (all ages)	5,295	5,602	5,340	5,545	5,881	6,120	6,293	6,364	6,408	6,362	6,170
# Births to teenagers	1,050	1,089	1,013	1,039	1,141	1,142	1,204	1,216	1,285	1,185	1,170
% Births to teenagers	19.8	19.4	19.0	18.7	19.4	18.9	19.1	19.1	20.0	18.6	19.0
ASIAN OR PACIFIC ISLANDER											
# Births (all ages)	1,875	2,041	2,104	2,281	2,524	2,614	2,805	3,136	3,412	3,425	3,396
# Births to teenagers	92	100	104	96	107	92	96	92	103	113	88
% Births to teenagers	5.8	4.9	4.9	4.2	4.2	3.5	3.4	2.9	3.0	3.2	2.6

¹ Includes records for ethnic groups other than White Non-Hispanic, Hispanic or Latino, Black or African American, American Indian or Alaska Native or Asian or Pacific Islander.

² Urban = Maricopa, Pima, Pinal, and Yuma. The remaining counties comprise Arizona's rural areas.

**TABLE 11
BIRTH RATES BY AGE GROUP FOR FEMALES 19 OR YOUNGER,
ARIZONA AND UNITED STATES, 1999-2009**

Year	Under 15 Years		15 - 19 Years Old					
			Total		15-17 Years		18-19 Years	
	AZ	U.S.	AZ	U.S.	AZ	U.S.	AZ	U.S.
1999	1.4	0.9	72.9	49.6	43.7	28.7	117.1	80.3
2000	1.2	0.9	67.6	48.5	41.1	27.4	105.7	78.1
2001	1.0	0.8	63.3	45.3	37.8	24.7	99.9	76.1
2002	1.0	0.7	59.7	43.0	35.5	23.2	94.3	72.7
2003	1.0	0.6	59.2	41.6	35.9	22.4	92.5	70.7
2004	0.9	0.7	58.2	41.1	35.8	22.1	90.2	70.0
2005	0.9	0.7	56.5	40.5	34.1	21.4	88.4	69.9
2006	0.8	0.6	59.6	41.9	34.0	22.0	100.2	73.0
2007	0.8	0.6	59.5	42.5	32.3	22.2	105.1	73.9
2008	0.7	0.6	54.9	41.5	30.3	21.7	96.3	70.7
2009	0.6	NA	49.1	NA	25.3	NA	89.0	NA

Note: The U.S. data is from the National Vital Statistics reports published by the National Center for Health Statistics.

**TABLE 12
REPEAT PREGNANCIES AMONG TEENAGE MOTHERS GIVING BIRTH BY AGE AND YEAR, ARIZONA, 1999-2009**

Mother's age	Pregnancies	Year												
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
11	Total	0	0	0	1	1	1	0	0	0	0	0	1	0
	Previous pregnancies	0	0	0	1	1	1	0	0	0	0	0	1	0
	One or more	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2	4	3	5	3	3	3	2	4	3	2	4	3
	Previous pregnancies	2	4	3	5	3	3	3	2	4	3	2	4	3
13	One or more	0	0	0	0	0	0	0	1	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	36	37	28	22	26	31	22	25	20	16	25	20	16
14	Previous pregnancies	36	35	28	21	25	30	22	25	20	16	25	20	16
	One or more	0	2	0	0	1	1	0	0	0	0	0	0	0
	Unknown	0	0	0	1	0	0	0	0	0	0	0	0	0
15	Total	200	175	167	178	181	154	160	143	156	141	156	141	116
	Previous pregnancies	189	172	157	167	176	151	155	140	154	138	140	154	113
	One or more	11	3	10	11	5	3	5	3	2	3	3	2	3
16	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	595	647	620	512	587	566	603	593	604	570	604	570	446
	Previous pregnancies	559	604	569	470	551	538	559	558	553	553	558	553	428
17	One or more	35	36	49	41	36	25	44	35	51	17	35	51	18
	Unknown	1	3	2	1	0	3	0	0	0	0	0	0	0
	Total	1,388	1,376	1,353	1,336	1,314	1,389	1,317	1,448	1,360	1,250	1,448	1,360	1,107
18	Previous pregnancies	1,207	1,205	1,171	1,169	1,144	1,228	1,167	1,290	1,199	1,146	1,290	1,199	988
	One or more	177	163	176	166	168	159	150	158	161	104	158	161	119
	Unknown	4	8	6	1	2	2	0	0	0	0	0	0	0
19	Total	2,253	2,261	2,107	2,104	2,209	2,272	2,259	2,409	2,397	2,331	2,409	2,397	1,948
	Previous pregnancies	1,772	1,806	1,634	1,658	1,729	1,838	1,791	1,905	1,895	1,983	1,905	1,895	1,598
	One or more	475	447	464	437	475	427	468	502	502	348	502	502	350
20	Unknown	6	8	9	9	5	7	0	2	0	0	2	0	0
	Total	3,300	3,338	3,168	3,208	3,211	3,208	3,351	3,523	3,661	3,376	3,523	3,661	3,078
	Previous pregnancies	2,247	2,313	2,161	2,231	2,209	2,250	2,411	2,519	2,645	2,576	2,519	2,645	2,226
21	One or more	1,041	1,014	988	967	996	954	940	1,004	1,016	799	1,004	1,016	851
	Unknown	12	11	19	10	6	4	0	0	0	1	0	0	1
	Total	4,189	4,351	4,344	4,108	4,168	4,240	4,218	4,773	4,770	4,473	4,773	4,770	4,241
22	Previous pregnancies	2,485	2,627	2,597	2,496	2,592	2,556	2,631	2,961	2,980	3,065	2,961	2,980	2,667
	One or more	1,680	1,706	1,735	1,595	1,567	1,681	1,586	1,812	1,790	1,407	1,812	1,790	1,570
	Unknown	24	18	12	17	9	3	1	0	0	1	0	0	4

**TABLE 13
CUMULATIVE NUMBER OF MOTHERS WHO WERE 19 OR YOUNGER IN ARIZONA IN 2009**

Year Baby Was Born	MOTHER'S AGE WHEN BABY WAS BORN										Mother was 19 or younger in 2009	
	10	11	12	13	14	15	16	17	18	19		
2000	0											0
2001	0	0										0
2002	0	1	5									6
2003	0	1	3	26								30
2004	0	0	3	31	154							188
2005	0	0	3	22	160	603						788
2006	0	0	2	25	143	593	1,448					2,211
2007	0	0	4	20	156	604	1,360	2,397				4,541
2008	0	1	3	16	141	570	1,250	2,331	3,376			7,688
2009	0	0	1	15	116	446	1,107	1,948	3,078	4,241		10,952
Cumulative number of mothers 19 or younger	0	3	24	155	870	2,816	5,165	6,676	6,454	4,241		26,404

NOTE: The above table focuses on the 2009 cohort of Arizona mothers who were 19 or younger that year.

Among them are those who:

gave birth to the 10,952 babies in 2009.

gave birth to a baby prior to 2009 and were still 19 or less years old in 2009.

The numbers below the main diagonal (and below the stair-like line) represent the number of mothers meeting either one of the above criteria. The last column to the right gives the cumulative total for 2009 by the year the baby was born. For example, from among those girls and adolescents who had their baby in 2002, 6 remained in their teens in 2009. The bottom row gives the cumulative total by mother's age when the baby was born. For example, among the 28,084 mothers under 20 in Arizona in 2009, 155 had given birth when 13 years old.

Excluded from the cumulative totals and not shown above the main diagonal (and above stair-like line) are the number of mothers who were 19 years old or younger when the baby was born, but who were no longer under the age 20 by 2009. For example, mothers who were 12 years old in 2001 were 20 years old in 2009.

The figures in Table 13 are unadjusted for in-and-out migration, as well as mortality of mothers, in the period of 2000-2009. For simplicity, the number of mothers = the number of babies (i.e., no adjustment was made for multiple birth events).

**TABLE 14
TRENDS IN TEEN PREGNANCY RATES BY RACE/ETHNICITY AND AGE GROUP,
ARIZONA, 1999-2009**

		All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
White non-Hispanic	1999	25.6	0.6	50.6	26.6	84.8
	2000	25.2	0.7	49.9	25.1	85.0
	2001	21.1	0.5	41.9	20.8	71.0
	2002	20.1	0.4	40.0	20.2	67.9
	2003	18.2	0.4	36.3	17.5	62.9
	2004	17.7	0.3	35.3	16.9	61.2
	2005	15.8	0.3	31.6	14.9	55.1
	2006	18.9	0.4	37.2	17.2	68.6
	2007	19.0	0.9	36.3	15.6	70.3
	2008	17.5	0.3	34.1	14.9	65.3
2009	15.6	0.3	30.3	12.3	59.6	
Hispanic or Latino	1999	63.0	3.1	125.0	85.5	179.9
	2000	60.9	2.7	123.0	84.0	178.4
	2001	59.1	2.5	119.5	79.7	176.0
	2002	57.6	2.5	116.6	77.0	172.8
	2003	57.5	2.6	116.2	76.5	172.7
	2004	59.2	2.3	120.1	79.7	177.4
	2005	55.5	2.2	112.5	72.9	168.9
	2006	56.0	1.9	117.3	72.7	188.1
	2007	55.3	1.9	116.8	68.5	201.2
	2008	49.4	1.7	104.4	62.7	177.2
2009	43.5	1.1	92.4	51.3	164.2	
Black or African American	1999	45.8	2.6	93.6	57.8	146.9
	2000	51.9	2.4	107.3	64.2	171.7
	2001	45.1	2.2	93.1	57.5	146.0
	2002	42.5	2.4	87.5	47.0	148.0
	2003	45.4	1.2	94.9	59.8	147.5
	2004	44.2	1.6	91.8	53.0	149.8
	2005	43.5	1.6	89.0	51.6	144.8
	2006	32.6	1.4	67.2	36.1	118.1
	2007	36.1	2.3	73.9	36.9	144.1
	2008	37.7	1.6	78.1	37.2	155.7
2009	33.3	0.8	69.5	31.6	141.7	
American Indian or Alaska Native	1999	38.0	2.7	78.0	47.6	128.2
	2000	41.3	1.6	86.7	52.1	144.4
	2001	36.7	1.4	77.2	43.5	133.0
	2002	36.6	1.3	77.0	45.1	130.1
	2003	39.9	2.5	82.9	52.0	134.2
	2004	39.7	1.4	83.6	53.2	134.2
	2005	40.8	1.5	85.8	55.0	137.0
	2006	36.2	1.1	71.1	41.5	119.8
	2007	39.1	2.0	73.8	42.4	124.9
	2008	35.5	1.4	67.4	38.1	115.2
2009	34.7	1.0	66.2	36.9	114.0	
Asian or Pacific Islander	1999	17.8	0.5	33.6	17.0	54.6
	2000	21.3	0.3	39.8	21.4	62.4
	2001	20.3	0.0	38.2	22.8	57.0
	2002	19.1	0.3	35.7	14.6	61.6
	2003	19.2	0.2	35.5	22.0	52.1
	2004	19.3	0.6	36.2	20.2	55.0
	2005	16.2	0.3	30.4	16.2	47.6
	2006	12.9	0.8	25.7	13.0	45.0
	2007	15.3	0.7	31.1	12.0	62.2
	2008	13.5	0.5	27.6	11.6	53.5
2009	11.6	0.5	23.6	8.2	48.7	

*The pregnancy rates for 1999 were revised using the population denominators that are consistent with both the 1990 and the 2000 census. The populations estimated previously from the 1990 census underestimated the growth of the Hispanic population during the 1990s. The revised rates differ from those previously published for 1996-1999.

**TABLE 15
TRENDS IN SEXUALLY TRANSMITTED INFECTIONS BY AGE GROUP AND YEAR AMONG FEMALES 10-19 YEARS,
ARIZONA, 1999-2009**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Diagnosed with:											
10-14 years old:											
Gonorrhea	36	32	37	22	31	36	40	40	32	19	26
Chlamydia	213	207	223	191	169	188	210	224	278	249	224
Early syphilis	2	2	2	0	0	0	0	0	1	1	0
Genital herpes	3	6	7	2	2	5	5	7	10	11	1
Gave birth that year	0	0	0	0	0	0	0	0	0	0	0
Total reported infections	254	247	269	215	202	229	255	271	321	280	251
Diagnosed with:											
15-19 years old:											
Gonorrhea	588	565	535	469	503	538	721	804	709	468	453
Chlamydia	3,753	3,726	4,046	4,024	3,475	4,400	5,451	6,188	6,600	6,595	6,771
Early syphilis	18	22	24	23	25	19	13	16	25	8	6
Genital herpes	112	118	121	135	90	121	128	143	136	148	60
Gave birth that year	26	41	30	35	27	28	31	43	38	53	45
Total reported infections	4,471	4,431	4,726	4,651	4,093	5,078	6,313	7,151	7,470	7,219	7,290

Note: Information about the number of reported cases of gonorrhea, chlamydia, early syphilis and genital herpes was provided by STD Program in the Office of Infectious Diseases (see Table 3B-3 in the Arizona Health Status and Vital Statistics annual reports). Information about females who gave birth while infected with genital herpes is collected on birth certificates.

TABLE 16
TRENDS IN THE INCIDENCE RATES* OF SEXUALLY TRANSMITTED INFECTIONS BY AGE GROUP AND YEAR AMONG
FEMALES 10-19 YEARS, ARIZONA, 1999-2009

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
10-14 years old											
Diagnosed with:											
Gonorrhea	21.3	17.4	19.5	11.2	15.4	17.2	18.5	17.9	14.4	8.4	11.4
Chlamydia	126.0	112.5	122.6	97.5	83.7	90.1	97.1	100.3	125.1	110.3	98.3
Early syphilis	1.2	1.0	1.1	0.0	0.0	0.0	9.0	0.0	0.5	0.4	0.0
Genital herpes	1.8	3.3	3.7	1.0	1.0	2.4	2.3	3.1	4.5	4.9	0.4
Total reported infections	150.3	134.2	146.9	109.7	100.1	109.7	126.9	121.3	144.5	124.0	110.2
15-19 years old											
Diagnosed with:											
Gonorrhea	365.2	319.2	292.4	248.2	259.3	267.7	346.5	376.2	329.6	214.1	205.4
Chlamydia	2331.1	2104.5	2211.5	2129.1	1791.2	2189.1	2619.4	2895.7	3068.6	3017.7	3070.0
Early syphilis	11.2	12.4	13.1	12.2	12.9	9.5	6.2	7.5	11.6	3.7	2.7
Genital herpes	69.6	66.7	66.1	71.4	46.4	60.3	61.5	66.9	63.2	67.7	27.2
Gave birth that year (%)	23.2	34.7	24.8	25.9	30.0	23.1	24.2	30.1	27.9	35.8	75.0
Total reported infections	2777.1	2502.8	2583.1	2460.9	2109.8	2526.6	3033.6	3346.3	3473.1	3303.2	3305.3

* Number of cases per 100,000 females in specified age group. The incidence rates of genital herpes among females who gave birth that year are per 100 births.

**TABLE 17
PREGNANCIES AND PREGNANCY RATES, FEMALES 19 OR YOUNGER
BY COUNTY OF RESIDENCE, ARIZONA, 2009**

County of residence	NUMBER OF PREGNANCIES:*				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19 years	15-17 years	18-19 years
Apache	214	2	212	61	151
Cochise	288	2	286	85	201
Coconino	296	2	294	101	193
Gila	158	1	157	50	107
Graham	114	3	111	33	78
Greenlee	29	0	29	8	21
Maricopa	7,293	89	7,204	2,330	4,874
Mohave	313	3	310	80	230
Navajo	350	6	344	103	241
Pima	1,845	21	1,824	571	1,253
Pinal	586	7	579	203	376
Santa Cruz	117	2	115	36	79
Yavapai	320	5	315	83	232
Yuma	561	12	549	191	358
La Paz	31	1	30	8	22
TOTAL STATE	12,537	156	12,381	3,945	8,436

County of residence	PREGNANCY RATES:**				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19 years	15-17 years	18-19 years
Apache	27.7	0.5	52.6	24.2	100.2
Cochise	28.7	0.4	55.2	26.4	102.7
Coconino	27.6	0.4	49.8	32.6	68.9
Gila	40.8	0.5	79.5	38.2	160.2
Graham	33.7	2.0	58.9	31.5	93.2
Greenlee	41.2	0.0	92.4	37.9	203.9
Maricopa	27.4	0.6	56.6	28.6	106.0
Mohave	25.9	0.5	53.4	19.9	129.2
Navajo	33.2	1.2	64.3	29.2	132.3
Pima	27.0	0.6	51.1	27.9	82.3
Pinal	27.6	0.6	56.7	30.1	108.4
Santa Cruz	29.1	1.0	56.1	26.3	115.7
Yavapai	25.0	0.8	48.1	19.5	101.3
Yuma	36.1	1.5	70.6	39.8	119.9
La Paz	27.8	1.7	55.9	22.0	127.2
TOTAL STATE	28.0	0.7	56.1	28.5	102.5

* The sum of live births, fetal deaths and abortions.

** The number of pregnancies per 1,000 females in specified group.

TABLE 18
BIRTHS AND BIRTH RATES, FEMALES 19 OR YOUNGER BY COUNTY OF RESIDENCE,
ARIZONA, 2009

County of residence	NUMBER OF BIRTHS:				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19 years	15-17 years	18-19 years
Apache	207	2	205	58	147
Cochise	255	1	254	74	180
Coconino	251	1	250	88	162
Gila	150	1	149	48	101
Graham	110	3	107	31	76
Greenlee	29	0	29	8	21
Maricopa	6,246	74	6,172	2,044	4,128
Mohave	309	3	306	78	228
Navajo	343	5	338	101	237
Pima	1,524	18	1,506	479	1,027
Pinal	560	7	553	198	355
Santa Cruz	113	0	113	35	78
Yavapai	287	5	282	71	211
Yuma	537	11	526	180	346
La Paz	31	1	30	8	22
TOTAL STATE	10,952	132	10,820	3,501	7,319

County of residence	BIRTH RATES:**				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19 years	15-17 years	18-19 years
Apache	26.8	0.5	50.9	23.0	97.5
Cochise	25.4	0.2	49.0	23.0	91.9
Coconino	23.4	0.2	42.4	28.4	57.9
Gila	38.7	0.5	75.4	36.7	151.2
Graham	32.6	2.0	56.8	29.6	90.8
Greenlee	41.2	0.0	92.4	37.9	203.9
Maricopa	23.5	0.5	48.5	25.1	89.8
Mohave	25.6	0.5	52.7	19.4	128.1
Navajo	32.5	1.0	63.2	28.6	130.1
Pima	22.3	0.6	42.2	23.4	67.4
Pinal	26.4	0.6	54.1	29.3	102.4
Santa Cruz	28.1	0.0	55.1	25.6	114.2
Yavapai	22.4	0.8	43.1	16.7	92.1
Yuma	34.5	1.4	67.6	37.5	115.9
La Paz	27.8	1.7	55.9	22.0	127.2
TOTAL STATE	24.4	0.6	49.1	25.3	89.0

** The number of births per 1,000 females in specified group.

TABLE 19
PREGNANCY RATES¹ AND NUMBER OF LIVE BIRTHS, FETAL DEATHS AND
ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2009

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Induced terminations of pregnancy (or abortions)	Spontaneous fetal losses	Number	Rate
10	45,197	0	0	0	0	0.0
11	45,319	0	0	0	0	0.0
12	45,376	1	2	0	3	0.1
13	45,878	15	4	0	19	0.4
14	45,960	116	18	0	134	2.9
10-14	227,730	132	24	0	156	0.7
15	46,450	446	76	6	528	11.4
16	46,943	1,107	130	11	1,248	26.6
17	44,887	1,948	212	9	2,169	48.3
15-17	138,280	3,501	418	26	3,945	28.5
18	41,654	3,078	506	16	3,600	86.4
19	40,621	4,241	571	24	4,836	119.1
18-19	82,275	7,319	1,077	40	8,436	102.5
Total 10-19	448,285	10,952	1,519	66	12,537	28.0

¹Rates per 1,000 female population in specific group.

**TABLE 20
BIRTHS TO FEMALES 19 OR YOUNGER BY AGE AND COUNTY OF RESIDENCE,
ARIZONA, 2009**

	Total	Mother's age								
		11	12	13	14	15	16	17	18	19
TOTAL	10,952	0	1	15	116	446	1,107	1,948	3,078	4,241
Apache	207	0	0	0	2	8	14	36	63	84
Cochise	255	0	0	0	1	4	22	48	80	100
Coconino	251	0	0	0	1	17	27	44	65	97
Gila	150	0	0	0	1	8	16	24	35	66
Graham	110	0	0	1	2	4	9	18	39	37
Geenlee	29	0	0	0	0	0	2	6	9	12
Maricopa	6,246	0	1	11	62	255	670	1,119	1,762	2,366
Mohave	309	0	0	0	3	10	21	47	93	135
Navajo	343	0	0	0	5	15	32	54	88	149
Pima	1,524	0	0	2	16	68	144	267	441	586
Pinal	560	0	0	0	7	18	59	121	155	200
Santa Cruz	113	0	0	0	0	4	6	25	34	44
Yavapai	287	0	0	0	5	11	23	37	79	132
Yuma	537	0	0	1	10	22	58	100	128	218
La Paz	31	0	0	0	1	2	4	2	7	15

**TABLE 21
ABORTIONS TO FEMALES 19 OR YOUNGER BY AGE AND COUNTY OF RESIDENCE,
ARIZONA, 2009**

	Total	11	12	13	14	15	16	17	18	19
TOTAL	1,519	0	2	4	18	76	130	212	506	571
Apache	6	0	0	0	0	1	0	2	1	2
Cochise	29	0	0	1	0	2	5	2	10	9
Coconino	42	0	0	0	1	2	1	9	14	15
Gila	7	0	0	0	0	1	0	0	3	3
Graham	4	0	0	0	0	0	1	1	2	0
Greenlee	0	0	0	0	0	0	0	0	0	0
Maricopa	1,009	0	1	3	11	53	88	131	333	389
Mohave	2	0	0	0	0	0	0	1	1	0
Navajo	5	0	0	0	1	1	0	0	1	2
Pima	315	0	0	0	3	12	24	53	112	111
Pinal	23	0	0	0	0	0	3	2	4	14
Santa Cruz	4	0	0	0	2	0	1	0	1	0
Yavapai	31	0	0	0	0	2	3	6	11	9
Yuma	21	0	1	0	0	2	3	4	5	6
La Paz	0	0	0	0	0	0	0	0	0	0
Unknown	21	0	0	0	0	0	1	1	8	11

TABLE 22
SOURCES OF PAYMENT FOR LABOR AND DELIVERY, FEMALES 19 OR YOUNGER
BY AGE AND COUNTY OF RESIDENCE, ARIZONA, 2009

	Total	AHCCCS	IHS	Private insurance	Self	Unknown
TOTAL	10,952	9,124	310	1,164	250	104
Apache	207	107	64	3	1	32
Cochise	255	207	0	43	3	2
Coconino	251	187	43	18	1	2
Gila	150	87	50	13	0	0
Graham	110	68	25	17	0	0
Greenlee	29	19	0	10	0	0
Maricopa	6,246	5,379	33	689	112	33
Mohave	309	261	2	22	11	13
Navajo	343	264	57	14	1	7
Pima	1,524	1,281	18	179	42	4
Pinal	560	458	5	65	24	8
Santa Cruz	113	97	0	5	11	0
Yavapai	287	247	4	31	3	2
Yuma	537	442	1	52	41	1
La Paz	31	20	8	3	0	0

**TABLE 23
SOURCES OF PAYMENT FOR LABOR AND DELIVERY, FEMALES 19 OR YOUNGER
BY AGE GROUP, ARIZONA, 2009**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Payee for births	AHCCCS	Count	9,124	105	2,909	6,110
		Percent	83.3	79.5	83.1	83.5
	IHS	Count	310	5	112	193
		Percent	2.8	3.8	3.2	2.6
	Private insurance	Count	1,164	16	351	797
		Percent	10.6	12.1	10.0	10.9
	Self	Count	250	4	98	148
		Percent	2.3	3.0	2.8	2.0
	Unknown	Count	104	2	31	71
		Percent	0.9	1.5	0.9	1.0

**TABLE 24
TEENAGE BIRTHS BY NUMBER OF PREVIOUS PREGNANCIES BY AGE GROUP,
ARIZONA, 2009**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Total prior pregnancies	None	Count	8,036	129	3,014	4,893
		Percent	73.4	97.7	86.1	66.9
	1	Count	2,273	3	428	1,842
		Percent	20.8	2.3	12.2	25.2
	2	Count	523	0	52	471
		Percent	4.8	0.0	1.5	6.4
	3	Count	90	0	3	87
		Percent	0.8	0.0	0.1	1.2
	4 or more	Count	25	0	4	21
		Percent	0.2	0.0	0.1	0.3
	Unknown	Count	5	0	0	5
		Percent	0.0	0.0	0.0	0.1

**TABLE 25
TEENAGE BIRTHS BY MARITAL STATUS AND AGE GROUP,
ARIZONA, 2009**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Marital status	Married	Count	1,315	0	218	1,097
		Percent	12.0	0.0	6.2	15.0
	Unmarried	Count	9,607	132	3,277	6,198
		Percent	87.7	100.0	93.6	84.7
	Other	Count	30	0	6	24
		Percent	0.3	0.0	0.2	0.3

**TABLE 26
TEENAGE BIRTHS BY MOTHER'S EDUCATION AND AGE GROUP
ARIZONA, 2009**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Mother's education	< 8	Count	231	31	85	115
		Percent	2.1	23.5	2.4	1.6
	8	Count	520	61	268	191
		Percent	4.7	46.2	7.7	2.6
	9-11	Count	5,275	38	2,639	2,598
		Percent	48.2	28.8	75.4	35.5
	12	Count	4,129	0	483	3,646
		Percent	37.7	0.0	13.8	49.8
	13-16	Count	752	0	15	737
		Percent	6.9	0.0	0.4	10.1
	17+	Count	0	0	0	0
		Percent	0.0	0.0	0.0	0.0
	Unknown	Count	45	2	11	32
		Percent	0.4	1.5	0.3	0.4

**TABLE 27
TEENAGE BIRTHS BY TRIMESTER OF ENTRY INTO PRENATAL CARE
AND AGE GROUP, ARIZONA, 2009**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Prenatal care	No care	Count	349	7	120	222
		Percent	3.2	5.3	3.4	3.0
	1st trimester	Count	7,437	74	2,229	5,134
		Percent	67.9	56.1	63.7	70.1
	2nd trimester	Count	2,543	36	925	1,582
		Percent	23.2	27.3	26.4	21.6
	3rd trimester	Count	602	15	220	367
		Percent	5.5	11.4	6.3	5.0
	Unknown	Count	21	0	7	14
		Percent	0.2	0.0	0.2	0.2

**TABLE 28
TEENAGE BIRTHS BY NUMBER OF PRENATAL VISITS AND AGE GROUP,
ARIZONA, 2009**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Prenatal visits	No visits	Count	349	7	120	222
		Percent	3.2	5.3	3.4	3.0
	1-4 visits	Count	604	14	217	373
		Percent	5.5	10.6	6.2	5.1
	5-8 visits	Count	2,458	34	872	1,552
		Percent	22.4	25.8	24.9	21.2
	9-12 visits	Count	5,136	57	1,554	3,525
		Percent	46.9	43.2	44.4	48.2
	13+ visits	Count	2,380	20	730	1,630
		Percent	21.7	15.2	20.9	22.3
	Unknown	Count	25	0	8	17
		Percent	0.2	0.0	0.2	0.2

TABLE 29
TOBACCO AND/OR ALCOHOL USE DURING PREGNANCY AMONG FEMALES
19 OR YOUNGER BY AGE GROUP, ARIZONA, 2009

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	10,952	132	3,501	7,319	
Substance use	Drinker, nonsmoker	Count	21	1	9	11
		Percent	0.2	0.8	0.3	0.2
	Smoker, nondrinker	Count	521	2	109	410
		Percent	4.8	1.5	3.1	5.6
	Smoker and drinker	Count	24	0	4	20
		Percent	0.2	0.0	0.1	0.3
	Nonsmoker and nondrinker	Count	10,386	129	3,379	6,878
		Percent	94.8	97.7	96.5	94.0

**TABLE 30
RISK FOR LOW-BIRTHWEIGHT (LBW) BIRTHS BY SELECTED CHARACTERISTICS OF FEMALES 19 OR YOUNGER,
ARIZONA, 2009**

	Mother's age group									
	<15			15-17			18-19			
	Total births	LBW births Count	Percent	Total births	LBW births Count	Percent	Total births	LBW births Count	Percent	
Race/ethnicity	White non-Hispanic	20	2	10.0	649	50	7.7	2,046	185	9.0
	Hispanic or Latino	87	9	10.3	2,253	156	6.9	4,001	297	7.4
	Black or African American	6	0	0.0	181	28	15.5	416	49	11.8
	American Indian or Alaska Native	17	1	5.9	394	27	6.9	759	44	5.8
	Asian or Pacific Islander	2	0	0.0	18	4	22.2	68	6	8.8
	Other	0	0	0.0	3	0	0.0	6	0	0.0
	Unknown	0	0	0.0	3	0	0.0	23	2	8.7
	Drinker, nonsmoker	1	0	0.0	9	0	0.0	11	0	0.0
	Smoker, nondrinker	2	0	0.0	109	14	12.8	410	43	10.5
	Smoker and drinker	0	0	0.0	4	0	0.0	20	4	20.0
Payee for births	Nonsmoker and nondrinker	129	12	9.3	3,379	251	7.4	6,878	536	7.8
	AHCCCS	105	11	10.5	2,909	219	7.5	6,110	484	7.9
	IHS	5	0	0.0	112	4	3.6	193	9	4.7
	Private insurance	16	0	0.0	351	25	7.1	797	64	8.0
	Self	4	1	25.0	98	12	12.2	148	15	10.1
	Unknown	2	0	0.0	31	5	16.1	71	11	15.5
	36 weeks or less	8	3	37.5	342	183	53.5	690	381	55.2
	37 weeks or more	124	9	7.3	3,157	82	2.6	6,625	201	3.0
	Unknown	0	0	0.0	2	0	0.0	4	1	25.0
	Less than 5	21	3	14.3	337	55	16.3	595	94	15.8
Prenatal visits	5 or more	111	9	8.1	3,156	207	6.6	6,707	487	7.3
	Unknown	0	0	0.0	8	3	37.5	17	2	11.8

**TABLE 31
POPULATION OF FEMALES 19 OR YOUNGER, NUMBER OF PREGNANCIES AND PREGNANCY
RATES BY AGE GROUP AND RACE/ETHNICITY, ARIZONA, 2009**

	POPULATION				
	All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
All groups	448,285	227,730	220,555	138,280	82,275
White non-Hispanic	221,573	108,515	113,058	70,106	42,952
Hispanic or Latino	158,460	84,862	73,598	46,803	26,795
Black or African American	21,714	11,459	10,255	6,719	3,536
American Indian or Alaska Native	35,414	17,109	18,305	11,347	6,958
Asian or Pacific Islander	11,124	5,785	5,339	3,305	2,034

Note: Detailed information about the assumptions and specific data sources for 2009 population estimates is available online at: <http://www.azdhs.gov/plan//menu/info/pd.htm>

	NUMBER OF PREGNANCIES				
	All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
All groups	12,537	156	12,381	3,945	8,436
White non-Hispanic	3,454	31	3,423	863	2,560
Hispanic or Latino	6,896	95	6,801	2,401	4,400
Black or African American	722	9	713	212	501
American Indian or Alaska Native	1,229	17	1,212	419	793
Asian or Pacific Islander	129	3	126	27	99

	PREGNANCY RATES PER 1,000 FEMALES				
	All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
All groups	28.0	0.7	56.1	28.5	102.5
White non-Hispanic	15.6	0.3	30.3	12.3	59.6
Hispanic or Latino	43.5	1.1	92.4	51.3	164.2
Black or African American	33.3	0.8	69.5	31.6	141.7
American Indian or Alaska Native	34.7	1.0	66.2	36.9	114.0
Asian or Pacific Islander	11.6	0.5	23.6	8.2	48.7

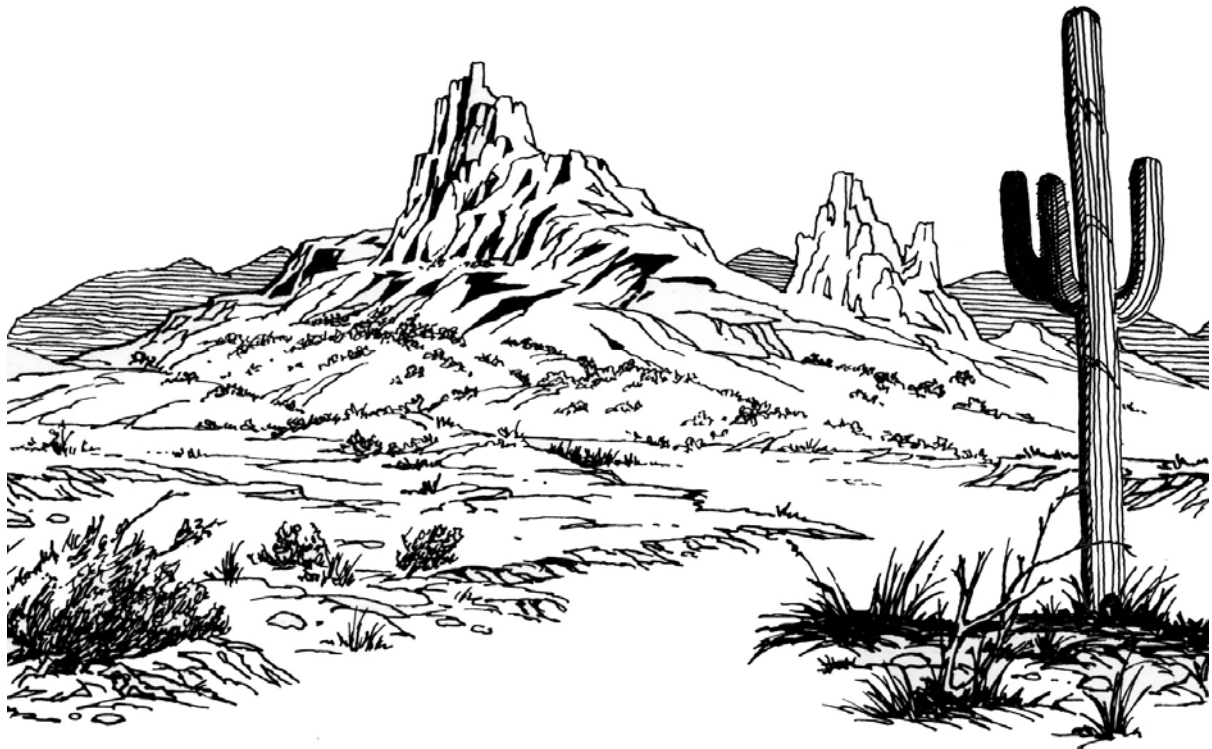
**TABLE 32
POPULATION OF FEMALES 19 OR YOUNGER BY COUNTY OF RESIDENCE, ARIZONA, 2009**

	All 19 years or younger	10-14 years	15-19 years		
			15-19 years	15-17 years	18-19 years
ARIZONA	448,285	227,730	220,555	138,280	82,275
Apache	7,734	3,707	4,027	2,520	1,507
Cochise	10,032	4,852	5,180	3,222	1,958
Coconino	10,740	4,840	5,900	3,100	2,800
Gila	3,875	1,899	1,976	1,308	668
Graham	3,378	1,495	1,883	1,046	837
Greenlee	704	390	314	211	103
La Paz	1,117	580	537	364	173
Maricopa	266,200	138,894	127,306	81,337	45,969
Mohave	12,087	6,282	5,805	4,025	1,780
Navajo	10,557	5,207	5,350	3,528	1,822
Pima	68,265	32,582	35,683	20,451	15,232
Pinal	21,204	10,985	10,219	6,751	3,468
Santa Cruz	4,021	1,970	2,051	1,368	683
Yavapai	12,813	6,268	6,545	4,255	2,290
Yuma	15,558	7,779	7,779	4,794	2,985

**APPENDIX
HOW TO COMPUTE THE RATES OF FIRST AND REPEAT CHILDBEARING**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Comments
A. The number of females 15-19 years old	177,114	183,057	188,780	194,127	200,676	208,105	213,698	215,079	218,545	220,555	Census enumeration for 2000. Population estimates for 2001-2009.
B. The number of births to females 15-19 years old	11,973	11,591	11,268	11,489	11,676	11,748	12,746	12,792	12,000	10,820	Based on the birth database.
C. The rate of births (B/A)*1,000	67.6	63.3	59.7	59.2	58.2	56.5	59.6	59.4	54.9	49.1	The number of births per 1,000 females 15-19 years old.
D. Cumulative number of mothers who gave birth when 15-19 years old	26,525	26,231	25,433	25,346	25,568	25,761	26,916	27,486	26,958	25,352	Mothers who gave birth when 15-19 years old. As an example, the 2009 cohort of mothers who were 15-19 years old includes 10,820 who gave birth that year and 14,532 who gave birth prior to 2009 and were still 15-19 years old in 2009 (Table 1.3).
E. The number of females 15-19 years old who had a birth previously (D-B)	14,552	14,640	14,165	13,857	13,892	14,013	14,170	14,694	14,958	14,532	The cumulative number of mothers 15-19 years old (Table 1.3) - those who gave birth that year.
F. The number of repeat births to females 15-19 years old who had a birth previously	2,639	2,680	2,533	2,567	2,590	2,488	2,864	2,800	2,658	2,252	Table 1B-24 in "Arizona Health Status and Vital Statistics" annual report.
G. The rate of repeat childbearing (F/E)*1,000	181.3	183.1	178.8	185.2	186.4	177.5	202.1	190.6	177.7	155.0	The number of repeat births per 1,000 females 15-19 years old who had a birth previously.
H. The number of females 15-19 years old who did not have a birth previously (A-E)	162,562	168,417	174,615	180,270	186,784	194,092	199,528	200,385	203,587	206,023	All 15-19 years old - those who gave birth previously.
I. The number of first-time births to females 15-19 years old who did not have a birth previously	9,285	8,870	8,699	8,922	9,071	9,259	9,880	9,992	9,342	8,568	Table 1B-24 in "Arizona Health Status and Vital Statistics" annual report.
J. The rate of first-time births (I/H)*1,000	57.1	52.7	49.8	49.5	48.6	47.7	49.5	49.9	45.9	41.6	The number of first-time births per 1,000 females 15-19 years old who did not have a birth previously.

Our Web site at <http://www.azdhs.gov/plan> provides instantaneous access to a wide range of statistical information about health status of Arizonans. The *Arizona Health Status and Vital Statistics* annual report examines trends in natality, mortality, and morbidity towards established health objectives. Additional reports and studies include *Differences in the Health Status Among Race/Ethnic Groups*, *Advance Vital Statistics by County of Residence*, *Mortality from Alzheimer's Disease*, *Injury Mortality among Arizona Residents* (accidents, suicides, homicides, legal intervention, firearm-related fatalities, drug-related deaths, drowning deaths, falls among Arizonans 65 years or older), hospital inpatient and emergency room statistics for *mental disorders, asthma, diabetes, influenza and pneumonia* and *substance abuse*, *Community Vital Statistics*, *Teenage Pregnancy*, *Selected Characteristics of Newborns and Mothers Giving Birth by Census Tract* in Maricopa County, Pima County and South Phoenix Area, *Health Status Profile of American Indians in Arizona*, *Deaths from Exposure to Excessive Natural Heat Occurring in Arizona*, *Obesity in Arizona: Prevalence, Hospital Care Utilization, Mortality, and Marital Status and Health*.



**Health Status and Vital Statistics Section
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