

TEENAGE PREGNANCY

Arizona, 1997-2007



**Public Health Services
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HEALTH STATUS AND VITAL STATISTICS SECTION
BUREAU OF PUBLIC HEALTH STATISTICS
ARIZONA DEPARTMENT OF HEALTH SERVICES

150 North 18th Avenue, Suite 550

Phoenix, Arizona 85007

Phone: 602/542-7333; FAX: 602/542-2940

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TEENAGE PREGNANCY, ARIZONA, 1997-2007

by

Christopher K. Mrela, Ph.D., *Assistant Registrar of Vital Statistics*
Clare Torres, *Senior Health Data Analyst*

October 2008

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PURPOSE

This report is the twenty-third annual update of information about pregnancies among females under age 20. The data for 2007 is placed in a temporal context by comparing it with the data from the preceding years.

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. In order to obtain the population denominators for 2001-2005, the 2000 percentages of population breakdowns (or census shares) by age group, gender and race/ethnicity were applied to total state and total county annual population estimates released by the Department of Economic Security (DES).

The longer the time after the census, the less likely it is that the 2000 census shares continue to reflect the "true" proportions of population breakdowns. Beginning with the 2006 population estimates we no longer use the year 2000 census shares. For 2006 and 2007, the totals for the State and each of its counties agree with the projections released by the DES on March 31, 2006 (<http://www.workforce.az.gov/?PAGEID=67&SUBID=138>). The percentages of population breakdowns by single-year of age, gender and race/ethnicity were derived from the "Bridged-Race Vintage 2006 Postcensal Population Estimates for Calculating Vital Rates", available from the National Center for Health Statistics (NCHS: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm#vintage2005>). These percentages were then applied to total state and county population projections for 2006 and 2007 from DES. The 2006-2007 population estimates by race/ethnicity should not be compared with the previously published estimates for 2001-2005, which used the year 2000 census shares.

The pregnancy rates for 1996-1999 were revised in the 1996-2006 edition of the report using the population denominators that are consistent with 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 estimated by the Census Bureau number of 86,203 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.

DATA ORGANIZATION

Tables 1-16 present annual numbers and rates of pregnancy, fertility, and abortion by year from 1997 to 2007, 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 1997 to 2007. 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 1997 to 2007 in Table 12.

Three new data tables were added beginning with the 1996-2006 edition of the report. Table 14 presents teen pregnancy rates by race/ethnicity and age group by year from 1997 to 2007. It includes revised pregnancy rates for 1997-1999. Table 15 provides information about the incidence of sexually transmitted infections among females 10-14 and 15-19 years old in Arizona in 1997-2007. Table 16 shows the incidence rates by year from 1997 to 2007.

Frequency counts, proportions and rates in tables 17-32 all apply to the 2007 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 2007 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 2000-2007.

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, 2007”*, 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 2006 were published in December, 2007. No national abortion or fetal death data have been available since the 2004 calendar data year.

A recent report, *“Estimated Pregnancy Rates by Outcome for the United States, 1990-2004”** was published in April 2008. 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 - 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 data for 2006 or 2007 are available at this time.

KEY FINDINGS

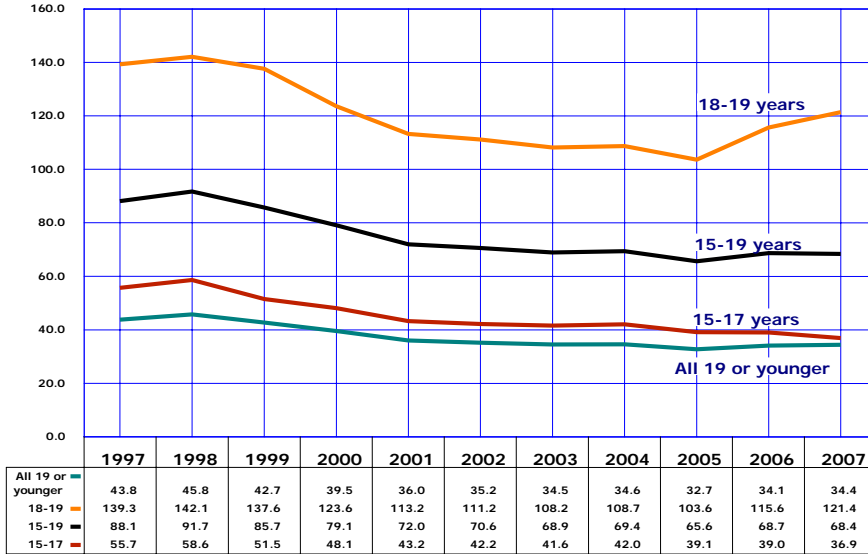
The following section presents some illustrative findings contained in the figures and tables of the report. It is not intended to be an exhaustive analysis of the tabulated data.

- **In 2007, the pregnancy rate of 34.4 pregnancies per 1,000 females 19 years or younger was 21.5 percent lower than the rate of 43.8/1,000 in 1997.**
- **However, the absolute number of teen pregnancies increased by 11.9 percent from 13,438 in 1997 to 15,038 in 2007. The latter is the highest number of teen pregnancies ever recorded in the State.**
- **While the overall teen pregnancy rate has fallen in Arizona, the drop in the rate has not been enough to offset the growth in the female teenage population.**
- **From 2006 to 2007, only White non-Hispanic females 19 years or younger experienced a decline in the number of pregnancies. In contrast, the number of pregnancies increased for Hispanic, American Indian, Black, and Asian females.**
- **In 2007, the number of pregnancies increased by an unprecedented 34.3 percent among females aged 14 years or younger (from 242 to 325), and by 1.7 percent for females aged 18-19 years (from 9,571 to 9,738).**
- **In contrast, the number of pregnancies among females 15-17 years old decreased by 130 from 5,105 in 2006 to 4,975 in 2007.**
- **Nineteen percent of teenagers who already had one child gave birth again in 2007.**
- **The number of teen births paid for by the Arizona Health Care Cost Containment System (AHCCCS, the State’s Medicaid program) increased by 55.2 percent from 6,698 in 1997 to 10,394 in 2007.**
- **The National Campaign to Prevent Teen and Unplanned Pregnancy estimated that in 2004, teen childbearing cost taxpayers an average of \$1,430 per teen mother annually. This per capita cost of teen childbearing translates into at least \$18,549,960 (in 2004 dollars) expended on public assistance, health care, and child welfare in Arizona in 2007.**

* Ventura SJ, Abma JC, Mosher WD, Henshaw SK. Estimated pregnancy rates by outcome for the United States, 1990-2004. National vital statistics reports; vol. 56 no 15. Hyattsville, MD: National Center for Health Statistics. 2008

KEY FINDINGS

Figure 1
Pregnancy Rates by Age Group and Year among Females 19 or Younger, Arizona, 1997-2007

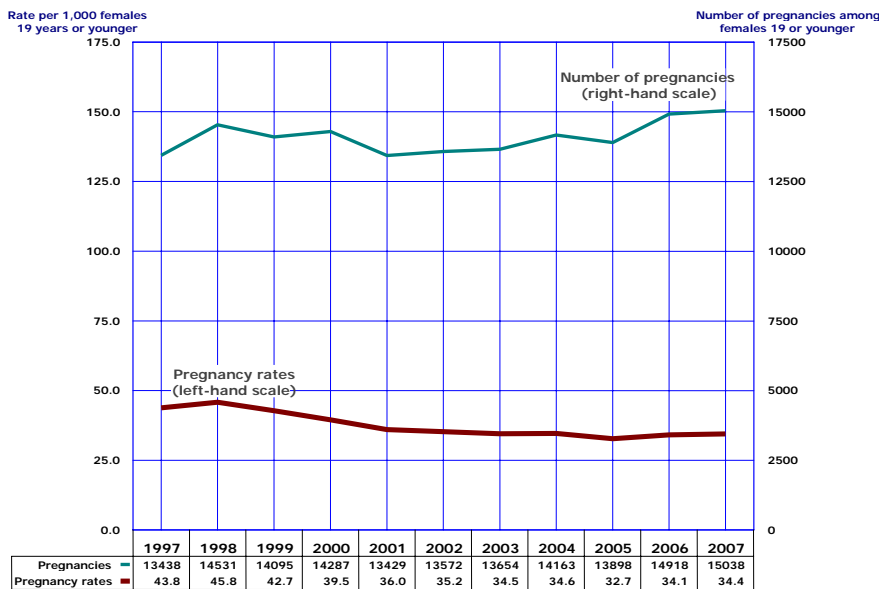


Note: All rates are per 1,000 females in specified group.

The pregnancy rate for Arizona teenagers 15-19 years old in 2007 remained essentially unchanged at 68.4 pregnancies per 1,000 females (compared to 68.7 in 2006; **Figure 1, Table 2**). The pregnancy rate for younger teenagers 15-17 years old decreased by 5.4 percent from 39.0/1,000 in 2006 to 36.9/1,000 in 2007. In contrast, the pregnancy rate for older teenagers 18-19 years old increased for the second consecutive year from 103.6/1,000 in 2005 to 121.4/1,000 in 2007 (**Figure 1, Table 2**).

In 2007, the number of pregnancies increased by an unprecedented 34.3 percent among females aged 14 years or younger (from 242 to 325), and by 1.7 percent for females aged 18-19 years (from 9,571 to 9,738; **Table 1**). Among females 15-17 years old the number of pregnancies decreased by 130 from 5,105 in 2006 to 4,975 in 2007. Overall, there were 120 more pregnancies among females 19 years or younger in 2007 (15,038) than they were in 2006 (14,918).

Figure 2
Trends in the Number of Pregnancies and Pregnancy Rates among Females 19 or Younger, Arizona, 1997-2007



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.

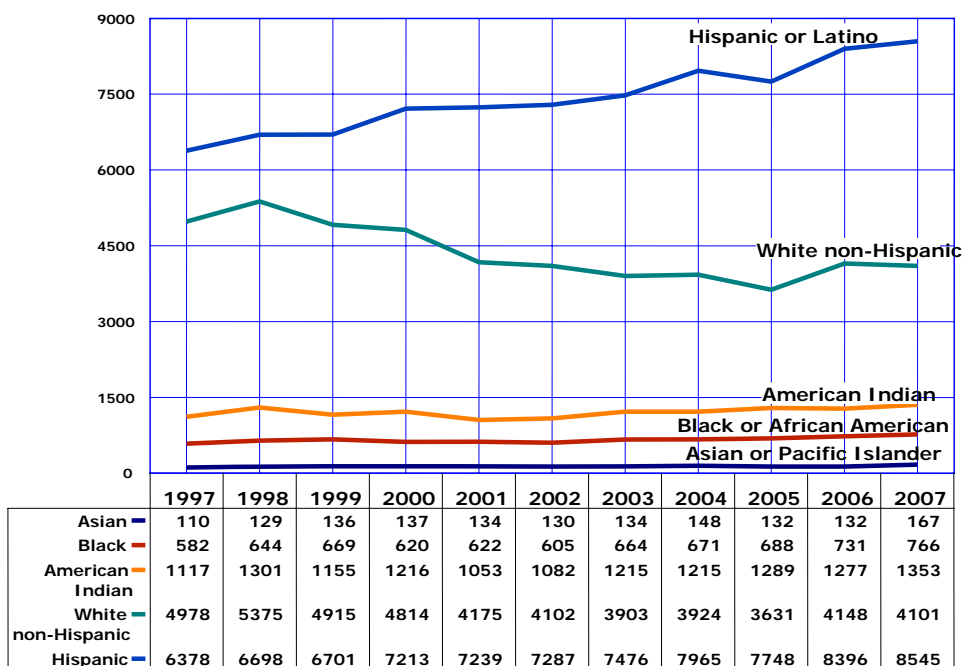
The number of teen pregnancies increased by 11.9 percent from 13,438 in 1997 to 15,038 in 2007 (**Figure 2, Table 1**). However, the proportional increase in the number of females 19 years old or younger was 3 times greater at 35.4 percent from 322,868 in 1997 to 437,239 in 2007. While the teen pregnancy rate has fallen in Arizona, the drop in the rate has not been enough to offset the growth in the female teenage population (**Figure 2**). In fact, the number of 15,038 pregnancies to females 19 years old or younger in Arizona in 2007 was the highest number ever recorded in the State.

KEY FINDINGS

Figure 3
Trends in the Number of Pregnancies* by Race/Ethnicity among Females 19 or Younger, Arizona, 1997-2007

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 1997-2007). In 2007, Hispanic or Latino mothers accounted for 56.8 percent of all pregnancies in this age group, followed by White non-Hispanics (27.3 percent). Black or African American, Asian or Pacific Islander and American Indian females aged 19 years or younger accounted for larger share of pregnancies in 2007 (15.9 percent) than they did in 1997 (13.5 percent).

From 2006 to 2007, only White non-Hispanic females 19 years or younger experienced a decline in the number of pregnancies. In contrast, the number of pregnancies increased for Hispanic, American Indian, Black, and Asian females.



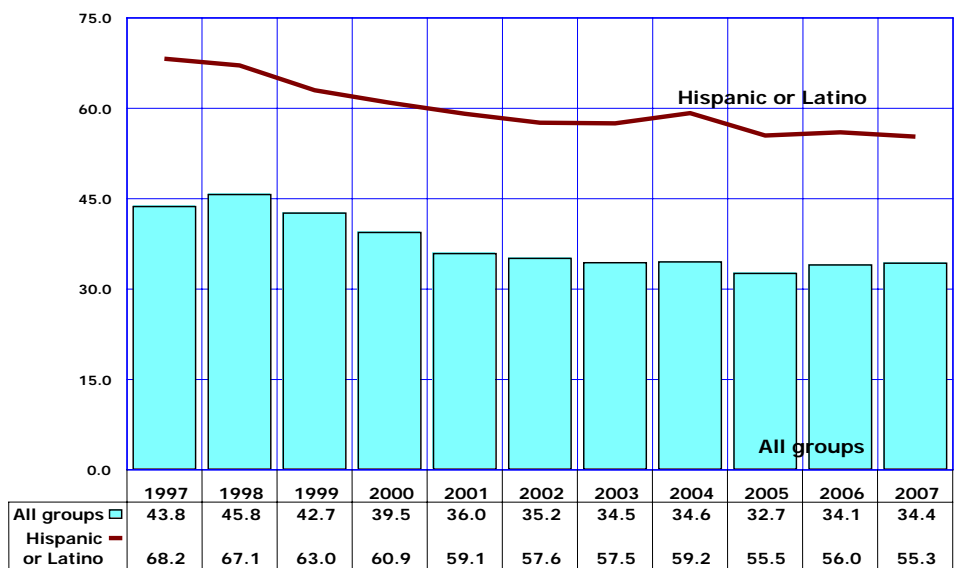
The sum of live births+induced abortions+spontaneous fetal deaths.

Figure 4
Comparison of Pregnancy Rates by Year among Hispanic or Latinos and all Females 19 or Younger, Arizona, 1997-2007

The teen pregnancy rates for all race and ethnic groups were lower in 2007 than in 1997 (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 1997-2007.

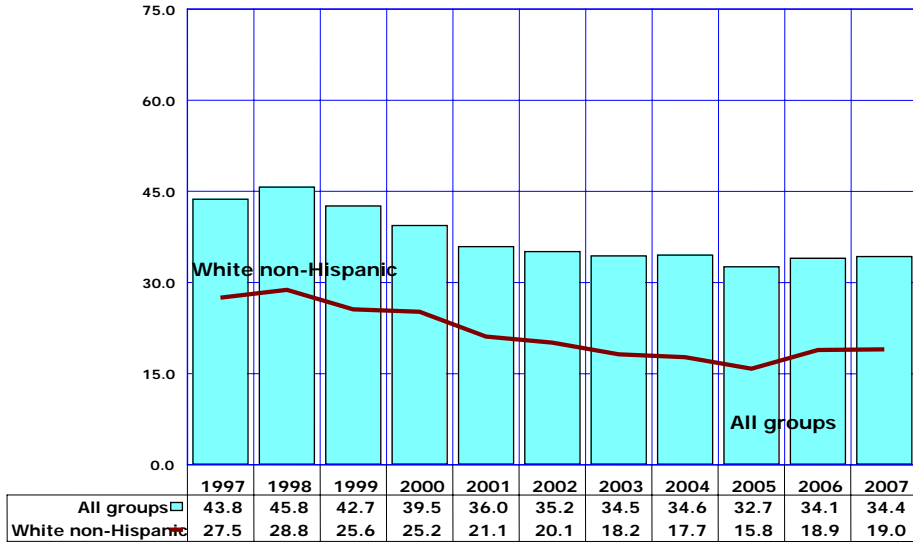
The pregnancy rate fell 17.4 percent for Hispanic or Latino females 19 years or younger in 1997-2003 and then increased in 2004 and 2006. (Figure 4). In each year from 1997 to 2007, the pregnancy rates of Hispanic or Latino females were consistently greater than the average rates for all females 19 years or younger in Arizona. In 2007, the Hispanic rate exceeded the average rate for all groups by 60.8 percent.



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

KEY FINDINGS

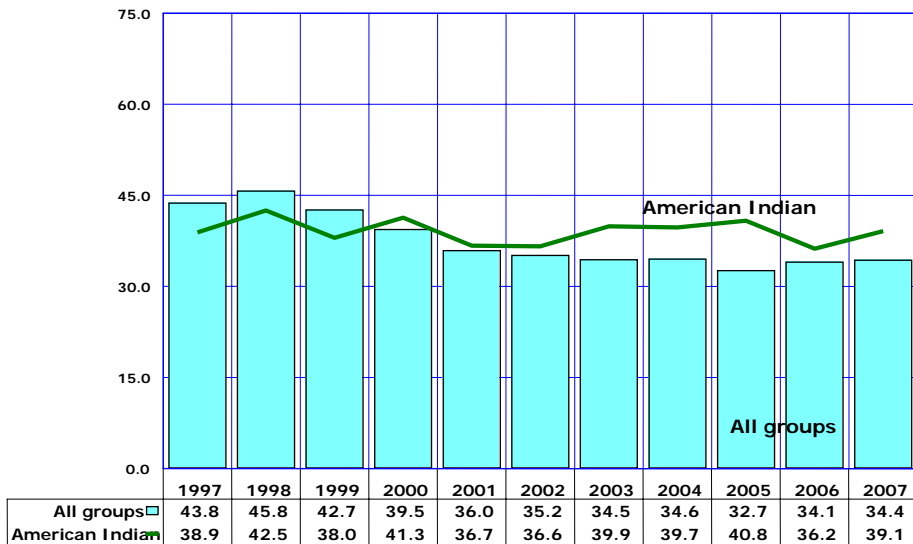
Figure 5
Comparison of Pregnancy Rates by Year among White non-Hispanics
and all Females 19 or Younger, Arizona, 1997-2007



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. In each year from 1996 to 2006, 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, 1997-2007



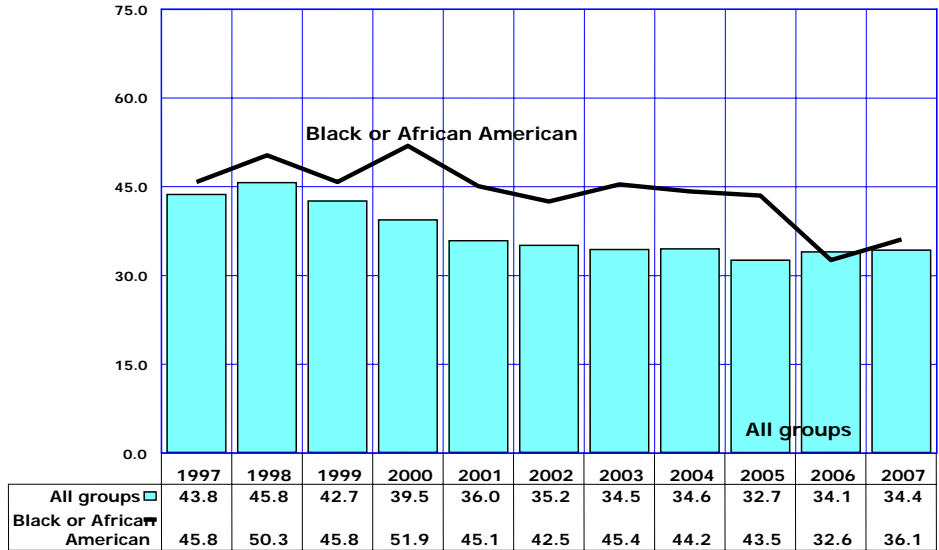
Despite some of the decreases noted between 1997 and 2007, the annual pregnancy rates among American Indian females 19 years or younger erratically varied from year to year (Figure 6). The American Indian rates were lower than the average in each year from 1997 to 1999, but higher in 2000-2007.

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, 1997-2007

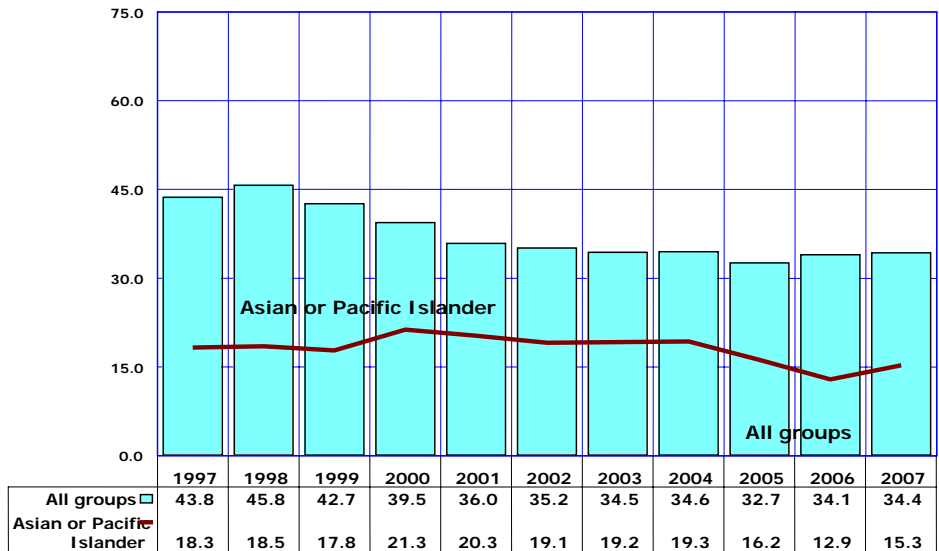
The pregnancy rates for Black or African American females 19 years or younger increased from 32.6/1,000 in 2006 to 36.1/1,000 in 2007 (Figure 7). As in 1997-2005 the 2007 pregnancy rate for Black or African American teenagers was greater than the pregnancy rate for all groups.



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, 1997-2007

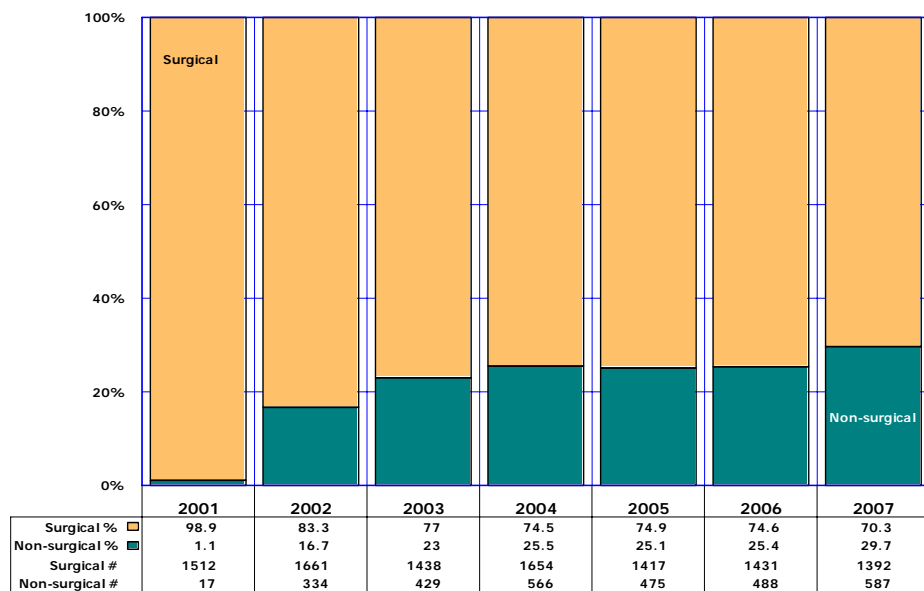
In each year from 1997 to 2007, the pregnancy rates for Asian or Pacific Islander females 19 years or younger were substantially lower than the average rates among all females 19 years or younger in Arizona (Figure 8). In 2007, the Asian rate (15.3/1,000) was 55.5 percent lower than the rate for all groups (34.4/1,000).



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

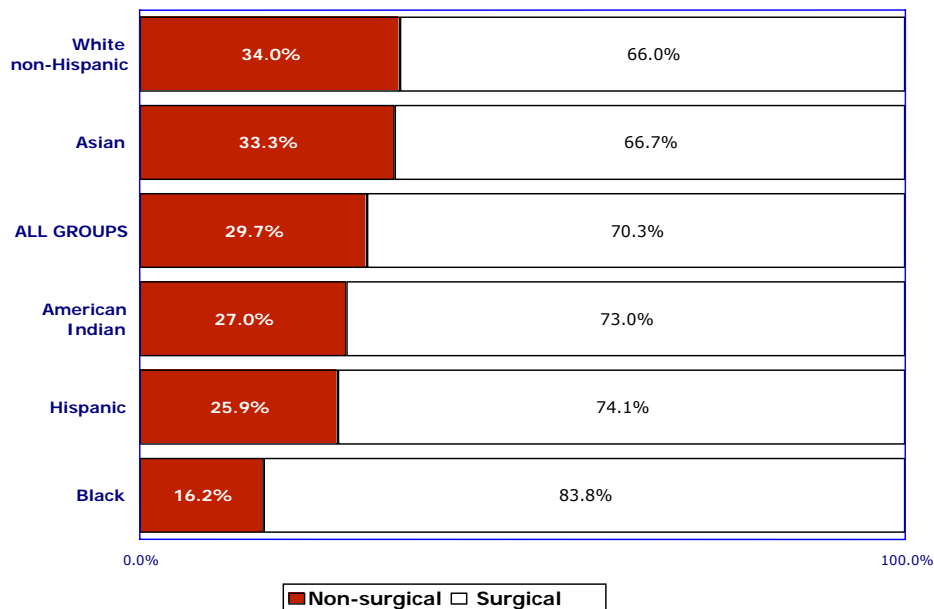
KEY FINDINGS

Figure 9
Proportional Contribution of Surgical and Non-Surgical Abortions
by Year among Females 19 or Younger, Arizona, 2001-2007



The number of reported abortions to females 19 years or younger slightly increased from 1,919 in 2006 to 1,979 in 2007 (Table 1). In 2007, non-surgical abortions accounted for approximately 30 percent of all procedures reported in Arizona for females 19 years old or younger.

Figure 10
Proportional Contribution of Non-Surgical and Surgical Abortions by
Race/Ethnicity among Females 19 or Younger, Arizona, 2007



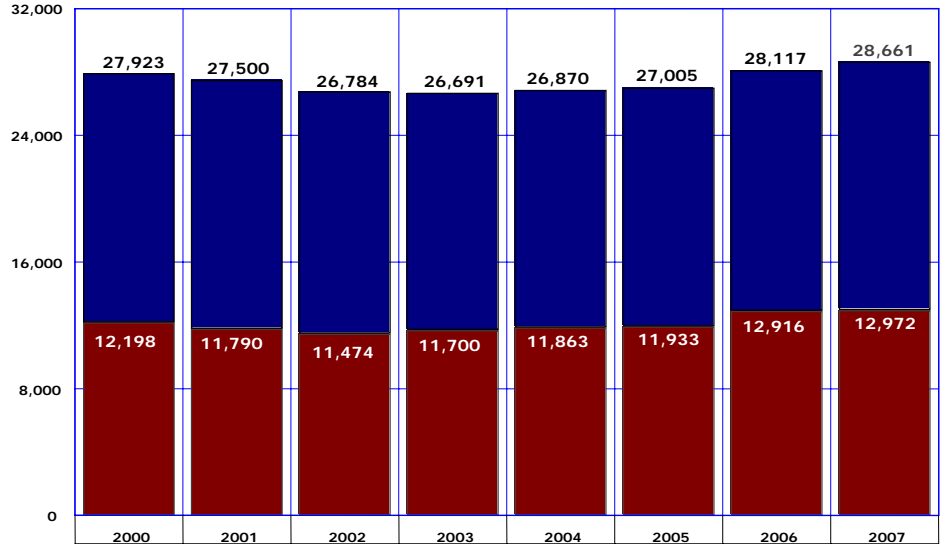
Only among White non-Hispanic and Asian teens the proportion of non-surgical abortions exceeded the average for all groups (Figure 10). The ratios of reported non-surgical abortions among Black and Hispanic females were the lowest among ethnic groups.

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

KEY FINDINGS

Figure 11
Cumulative Number of Mothers who were 19 or Younger in Arizona by Year, 2000-2007

■ Gave birth that year ■ Gave birth before and was still 19 years old or younger

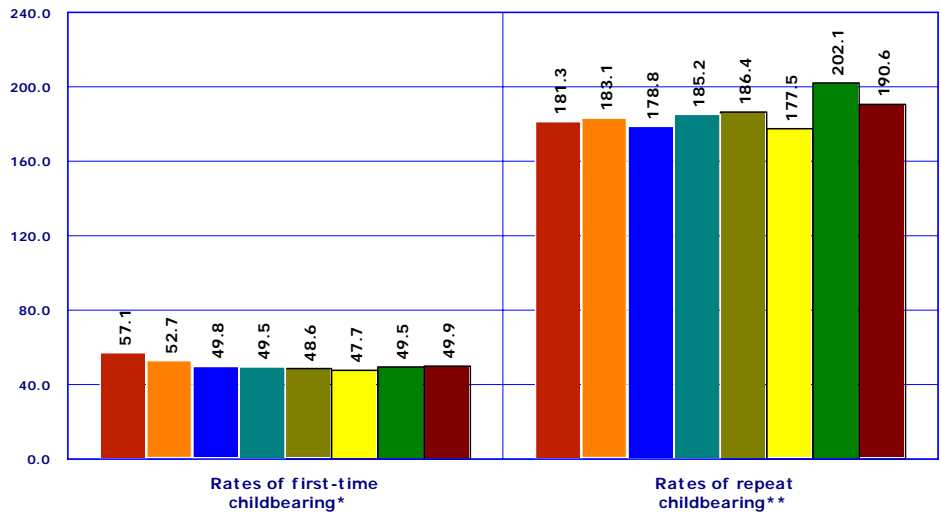


There were approximately 28,661 mothers under age 20 in Arizona in 2007, the highest number ever reported in the State. Among them there were the 12,972 who gave birth that year and the 15,689 who gave birth prior to 2007 and were still 19 years old or younger (Figure 11, Table 13). The cumulative number of mothers who were 19 years or younger in Arizona increased by 7.4 percent from 26,691 in 2003 to 28,661 in 2007.

*See Table 13 for more details.

Figure 12
Rates of First and Repeat Births to Females 15-19 Years, Arizona, 2000-2007

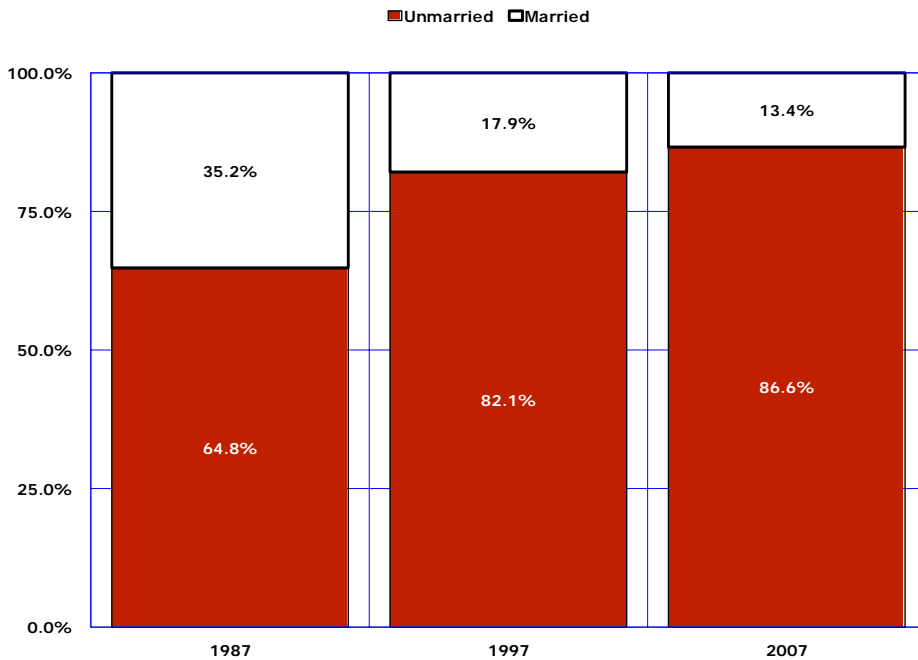
■ 2000 ■ 2001 ■ 2002 ■ 2003 ■ 2004 ■ 2005 ■ 2006 ■ 2007



The first birth rate for childless teenagers has dropped 16.5 percent from 57.1 first-time births per 1,000 females 15-19 years old in 2000, to 47.7/1,000 in 2005. The first birth rate increased by 3.8 percent in 2006 and by an additional 0.8 percent in 2007 to 49.9/1,000 (Figure 12). The repeat birth rates for teenagers who had already had a child decreased by 5.7 percent from 202.1 in 2006 to 190.6 in 2007 (Figure 7). Nineteen percent of teenagers (190.6/1,000) who already had one child gave birth again in 2007, compared to twenty percent (202.1 /1,000) in 2006.

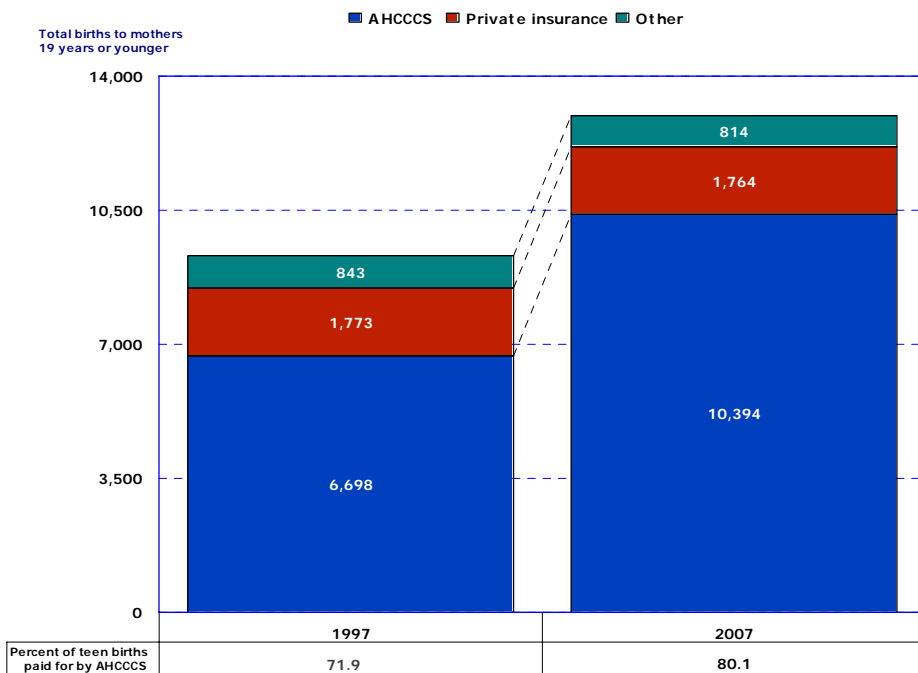
* Number of first births per 1,000 females 15-19 years old who have not had a birth.
 **Number of repeat births per 1,000 females 15-19 years old who have had a previous birth.
 See Appendix "How to compute rates of first and repeat childbearing."

Figure 13
Births to Mothers 19 or Younger by Marital Status,
Arizona, 1987, 1997 and 2007



Unwed mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s. Two decades ago, the proportion of nonmarital births among teenagers 19 years old or younger was still around 65 percent (**Figure 13**). In 2007, nonmarital births accounted for 86.6 percent of births to mothers 19 years or younger.

Figure 14
Number of Births to Mothers 19 or Younger by Payee,
Arizona, 1997 and 2007



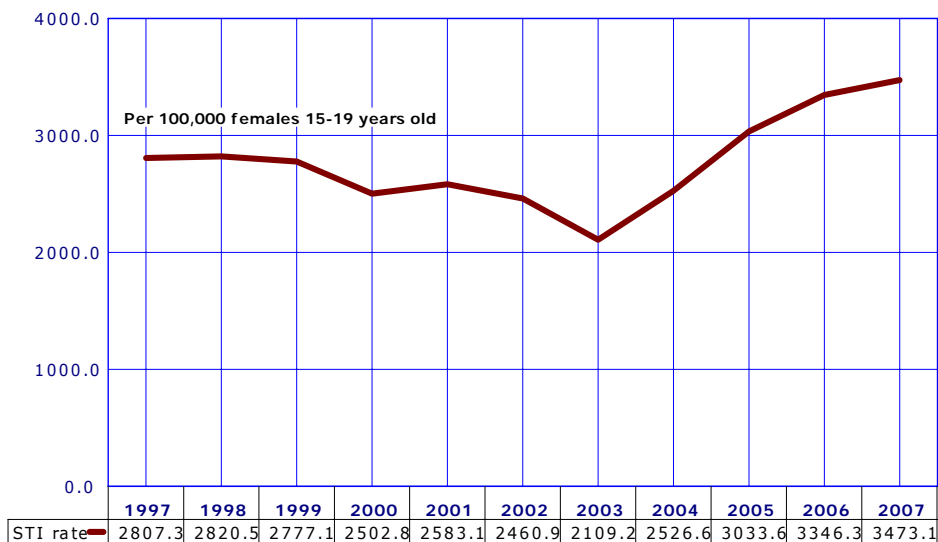
The total number of births to mothers 19 years or younger increased by 17.0 percent from 11,085 in 1997 to 12,972 in 2007 (**Table 1**). In contrast, the number of teen births paid for by the Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) increased by 55.2 percent from 6,698 in 1997 to 10,394 in 2007.

In 2007, the Arizona Health Care Cost Containment System paid for 80.1 percent of the deliveries to mothers 19 or younger (**Table 23**), compared to 71.9 percent in 1997 (**Figure 14**).

The National Campaign to Prevent Teen and Unplanned Pregnancy (www.teenpregnancy.org) estimated that in 2004, teen childbearing cost taxpayers an average of \$1,430 per teen mother annually. This per capita cost of teen childbearing translates into at least \$18,549,960 (in 2004 dollars) expended on public assistance, health care, and child welfare in Arizona in 2007.

KEY FINDINGS

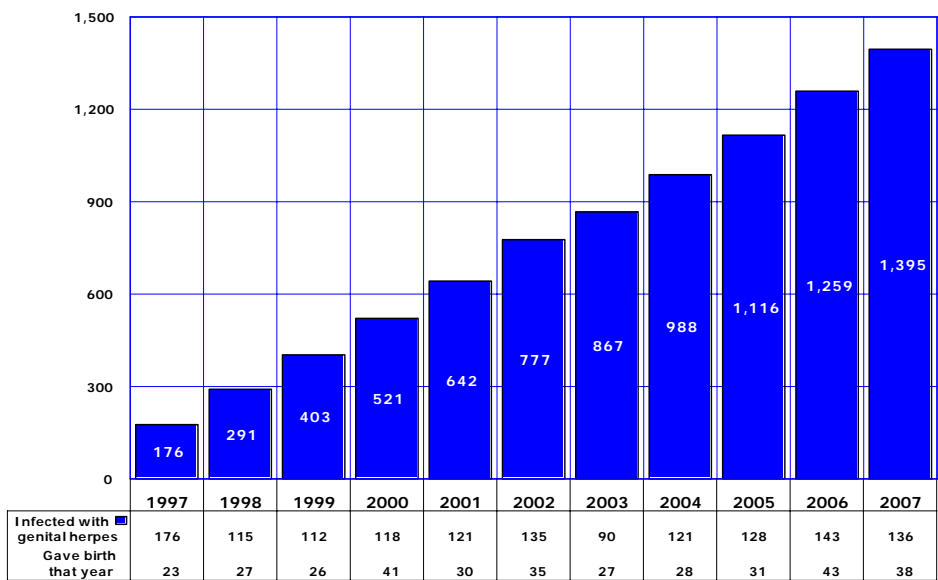
Figure 15
Trends in the Incidence of Sexually Transmitted Infections* among Females 15-19 Years, Arizona, 1997-2007



In 2007, the total number of sexually transmitted infections (STI) among females aged 19 or younger exceeded 7,700 (Table 15) compared to almost 4,400 reported in 1997. Females aged 15-19 years accounted for 95.6 percent of all sexually transmitted infections in 2007. The rate of STI among females 15-19 years old increased by 64.7 percent from 2109.2 cases per 100,000 in 2003 to 3473.1/100,000 in 2007.

* 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, 1997-2007



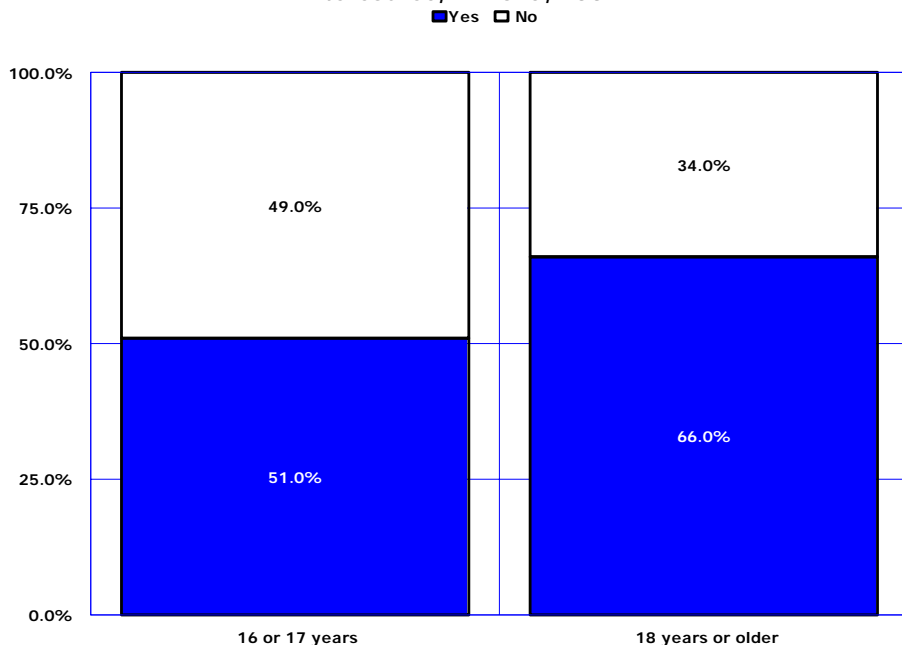
Unlike gonorrhea or chlamydia, genital herpes cannot be cured. Since genital herpes is not a fatal disease, new cases arising each year may add to the pool of people infected with the disease who can then transmit the disease to others.

Assuming that females 15-19 years old reported with genital herpes since 1997 have not died or left the State, the 2007 prevalence of this disease based on 1,395 cases (Figure 16) would be 648.6/100,000. In other words, one in every 143 females aged 15-19 years may be infected.

Genital herpes also is a threat to newborns. Out of 136 females aged 15-19 years who were diagnosed with genital herpes in 2007, 38 (or 27.9 percent) also gave birth that year (Figure 16).

KEY FINDINGS

Figure 17
Percentage of Female High School Students who ever had Sexual Intercourse, Arizona, 2007

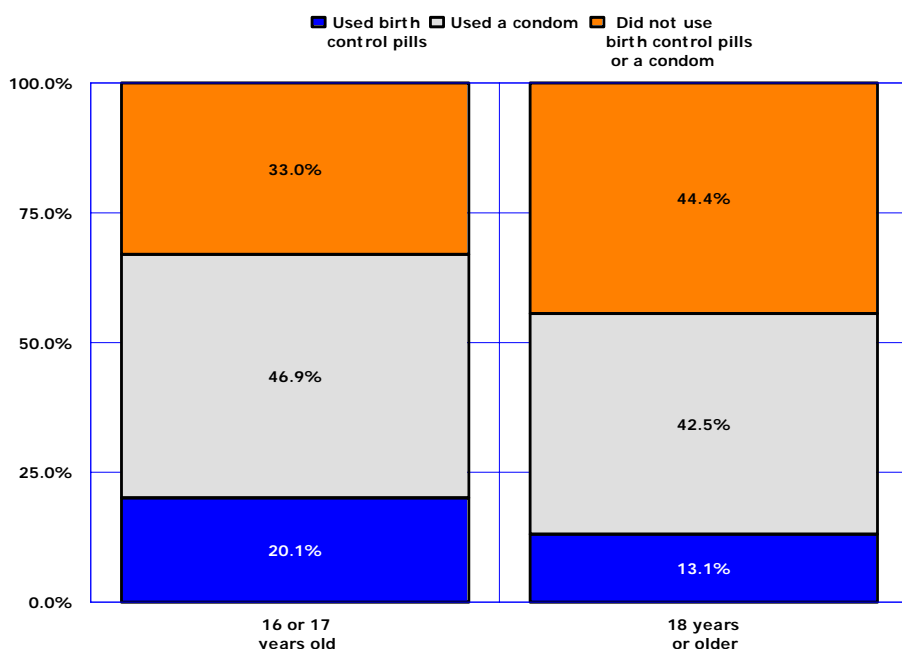


Patterns in sexual activity such as the age at first intercourse and the frequency of intercourse are among the factors accounting for both pregnancy rates and the incidence of sexually transmitted infections.

Nationally, more than one-half (51 percent) of 15-17-year-old females have had sexual contact with another person. At age 18-19, 83 percent of females have had a sexual experience with another person.¹

The age-specific proportions of female high school students who ever had sexual intercourse in **Figure 17** are from the latest Arizona Youth Risk Behavior Survey conducted in 2007.²

Figure 18
Percentage of Female High School Students who used Birth Control Pills Or Condoms to Prevent Pregnancy, Arizona, 2007



According to the National Survey of Family Growth, the oral contraceptive pill is the leading method of contraception in the United States.³ The survey provides no state-specific data.

The 2007 Arizona Youth Risk Behavior Survey results for "students who had sexual intercourse during the past three months"⁴ reveal that compared to younger teens, older teens were less likely to use birth control pills before or a condom during, the last intercourse (**Figure 18**). It is quite unlikely that over 44 percent of sexually active females 18-19 years old in 2007 have used other methods instead (such as female sterilization or a 3-month injectable contraceptive Depo-Provera). From 2005 to 2007, the birth rate per 1,000 females 18-19 years old increased by an unprecedented 18.9 percent. Perhaps, not a small fraction of those who were sexually active but not using contraception in 2007 were not so much placing themselves at a risk of unintended pregnancy but intentionally trying to have a baby?

¹ Mosher WD, Chandra A, Jones J. Sexual behavior and selected health measures: Men and women 15-44 years of age, United States, 2002. Advance data from vital and health statistics; no 362. Hyattsville, MD: National Center for Health Statistics, 2005.

² Percentage of students who ever had sexual intercourse. See the Arizona YRBS results at <http://www.azed.gov/sa/health/matrix/YRBS2007Results.asp>

³ Mosher WD, Martinez GM, Chandra A, Abma JC, Wilson SJ. Use of contraception and use of family planning services in the United States, 1982-2002. Advance data from vital and health statistics; no 350. Hyattsville, Maryland: National Center for Health Statistics, 2004.

⁴ Percentage of students who used a condom during or birth control pills before last sexual intercourse. See the Arizona Youth Risk Behavior Survey results at <http://www.azed.gov/sa/health/matrix/YRBS2007Results.asp>

TEENAGE PREGNANCY, ARIZONA, 1997-2007

DATA TABLES

**TABLE 1
PREGNANCIES AND PREGNANCY OUTCOME BY AGE GROUP AND YEAR,
FEMALES 19 OR YOUNGER, ARIZONA, 1997-2007**

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					
1997	13,438	278	13,160	5,096	8,064
1998	14,531	316	14,216	5,482	8,734
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
LIVE BIRTHS					
1997	11,085	214	10,871	4,219	6,652
1998	11,695	234	11,461	4,397	7,064
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
ABORTIONS					
1997	2,233	56	2,177	826	1,351
1998	2,735	78	2,657	1,046	1,611
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
FETAL LOSSES					
1997	120	8	112	51	61
1998	102	4	98	39	59
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

TABLE 2
PREGNANCY RATES¹ BY PREGNANCY OUTCOME, AGE GROUP AND YEAR,
FEMALES 19 OR YOUNGER, ARIZONA, 1997-2007

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					
1997	43.8	1.8	88.1	55.7	139.3
1998	45.8	2.0	91.7	58.6	142.1
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
LIVE BIRTHS					
1997	36.1	1.4	72.8	46.1	114.9
1998	36.9	1.4	73.9	47.0	114.9
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
ABORTIONS					
1997	7.3	0.4	14.6	9.0	23.3
1998	8.6	0.5	17.1	11.2	26.2
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
FETAL LOSSES					
1997	0.4	0.0	0.7	0.6	1.0
1998	0.3	0.0	0.6	0.4	1.0
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

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, 1997-2007**

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					
1997	3,733	27	3,706	1,239	2,467
1998	3,843	38	3,805	1,261	2,544
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
HISPANIC OR LATINO					
1997	5,736	146	5,590	2,329	3,261
1998	5,951	142	5,809	2,419	3,390
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
BLACK OR AFRICAN AMERICAN					
1997	519	13	506	207	299
1998	586	16	570	223	347
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
AMERICAN INDIAN OR ALASKA NATIVE					
1997	971	25	946	407	539
1998	1,122	31	1,091	429	662
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
ASIAN OR PACIFIC ISLANDER					
1997	66	1	65	17	48
1998	73	1	72	17	55
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

**TABLE 4
 ABORTIONS TO FEMALES 19 OR YOUNGER BY AGE GROUP, RACE/ETHNICITY
 AND YEAR, ARIZONA, 1997-2007**

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					
1997	1,179	29	1,150	433	717
1998	1,480	38	1,442	563	879
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
HISPANIC OR LATINO					
1997	642	21	621	240	381
1998	747	29	718	292	426
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
BLACK OR AFRICAN AMERICAN					
1997	107	0	107	40	67
1998	147	4	143	51	92
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
AMERICAN INDIAN OR ALASKA NATIVE					
1997	58	2	56	17	39
1998	53	0	53	22	31
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
ASIAN OR PACIFIC ISLANDER					
1997	42	0	42	19	23
1998	51	0	51	20	31
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

TABLE 5
NUMBER OF PREGNANCIES¹ BY PREGNANCY OUTCOME, RACE/ETHNICITY AND YEAR
AMONG FEMALES 17 OR YOUNGER WITH RATES², ARIZONA, 1997-2007

Race/ethnicity Pregnancy outcome	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2007 Rates
WHITE³ NON-HISPANIC, total:	1,760	1,918	1,566	1,462	1,250	1,245	1,131	1,129	1,028	1,204	1,165	6.7
Births	1,266	1,299	1,146	1,078	960	847	805	764	728	871	805	4.6
Abortions	462	601	395	367	278	387	322	360	293	324	353	2.0
HISPANIC OR LATINO, total:	2,736	2,882	2,763	2,991	2,930	2,926	2,993	3,198	3,043	3,281	3,286	25.6
Births	2,475	2,561	2,564	2,711	2,684	2,654	2,746	2,916	2,858	3,046	3,007	23.4
Abortions	261	321	199	250	221	250	224	267	172	217	254	2.0
BLACK OR AFRICAN AMERICAN, total:	242	263	275	227	240	207	256	241	247	255	268	15.1
Births	220	239	236	210	206	164	207	192	207	194	207	11.7
Abortions	40	55	34	47	31	34	46	47	37	57	55	3.1
AMERICAN INDIAN OR ALASKA NATIVE, total:	489	530	450	476	384	409	501	495	530	477	504	18.1
Births	432	460	427	425	365	392	471	473	499	449	471	16.9
Abortions	19	22	20	15	10	15	28	18	25	25	30	1.1
ASIAN OR PACIFIC ISLANDER, total:	38	43	40	41	44	30	47	46	39	43	43	4.8
Births	18	18	29	30	29	20	39	26	29	29	31	3.5
Abortions	19	20	11	11	15	10	8	20	10	14	12	1.3
ALL RACE/ETHNIC GROUPS⁴, total:	5,374	5,798	5,296	5,294	4,914	4,951	5,027	5,188	5,029	5,347	5,300	14.8
Births	4,433	4,631	4,474	4,500	4,278	4,158	4,321	4,415	4,364	4,620	4,541	12.7
Abortions	882	1,124	787	741	586	749	674	747	636	693	718	2.0
Pregnancy rate, total:	22.0	22.7	19.9	18.4	16.5	16.1	15.9	15.9	14.8	15.1	14.8	14.8
Fertility rate⁵	18.2	18.1	16.8	15.6	14.3	13.5	13.7	13.5	12.9	13.0	12.7	12.7
Abortion rate	3.5	4.4	3.0	2.6	2.0	2.4	2.1	2.3	1.9	2.0	2.0	2.0

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, 1997-2007

Race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2007 Rates
WHITE³ NON-HISPANIC, total:	1,699	1,841	1,505	1,397	1,197	1,202	1,090	1,093	996	1,157	1,067	15.6
Births	1,239	1,261	1,115	1,040	926	824	782	747	711	852	779	11.4
Abortions	433	563	369	342	262	367	304	341	278	296	282	4.1
HISPANIC OR LATINO, total:	2,569	2,711	2,598	2,823	2,771	2,761	2,819	3,040	2,885	3,131	3,126	68.5
Births	2,329	2,419	2,415	2,567	2,552	2,507	2,600	2,779	2,721	2,923	2,892	63.3
Abortions	240	292	183	228	199	235	197	247	151	193	210	4.6
BLACK OR AFRICAN AMERICAN, total:	250	276	254	242	224	189	247	228	234	239	242	36.9
Births	207	223	222	198	193	152	204	180	199	187	195	29.7
Abortions	40	51	27	42	28	30	40	46	32	48	42	6.4
AMERICAN INDIAN OR ALASKA NATIVE, total:	439	464	408	421	363	388	461	473	505	457	470	42.4
Births	407	429	389	405	348	374	434	452	478	430	445	40.2
Abortions	17	22	17	13	7	12	25	17	21	24	22	2.0
ASIAN OR PACIFIC ISLANDER, total:	37	42	38	40	44	29	45	44	38	39	39	12.0
Births	17	17	28	29	29	19	38	25	28	28	31	9.6
Abortions	19	20	10	11	15	10	7	19	10	11	8	2.5
ALL RACE/ETHNIC GROUPS⁴, total:	5,096	5,482	4,993	5,016	4,661	4,696	4,755	4,955	4,790	5,105	4,975	36.9
Births	4,219	4,397	4,236	4,284	4,080	3,952	4,110	4,227	4,179	4,450	4,361	32.3
Abortions	826	1,046	727	684	540	705	614	703	582	624	576	4.3
Pregnancy rate, total:	55.7	58.6	51.5	48.1	43.2	42.2	41.6	42.0	39.1	39.0	36.9	
Fertility rate⁵	46.1	47.0	43.7	41.1	37.8	35.5	35.9	35.8	34.1	34.0	32.3	
Abortion rate	9.0	11.2	7.5	6.6	5.0	6.3	5.4	6.0	4.8	4.8	4.3	

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, 1997-2007

Race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2007 Rates
Pregnancy outcome												
WHITE³ NON-HISPANIC, total:												
Births	3,218	3,457	3,349	3,352	2,925	2,857	2,772	2,795	2,603	2,944	2,936	70.3
Abortions	2,467	2,544	2,723	2,681	2,436	2,217	2,165	2,042	2,016	2,338	2,295	54.9
	717	879	586	653	468	623	592	735	574	593	629	15.1
HISPANIC OR LATINO, total:												
Births	3,642	3,816	3,938	4,222	4,309	4,361	4,483	4,767	4,705	5,115	5,259	201.2
Abortions	3,261	3,390	3,597	3,837	3,964	3,931	4,046	4,222	4,330	4,692	4,775	182.6
	381	426	341	360	313	400	406	517	350	392	456	17.4
BLACK OR AFRICAN AMERICAN, total:												
Births	368	442	434	433	382	398	408	430	441	476	498	144.1
Abortions	299	347	367	362	339	304	342	348	362	407	414	119.8
	67	92	62	68	40	84	61	78	77	67	81	23.4
AMERICAN INDIAN OR ALASKA NATIVE, total:												
Births	600	710	665	700	669	673	714	720	759	800	849	124.9
Abortions	539	662	623	664	648	647	670	669	705	767	814	119.7
	39	31	36	28	19	25	40	47	51	30	33	4.9
ASIAN OR PACIFIC ISLANDER, total:												
Births	72	86	96	96	90	100	87	102	93	89	124	62.2
Abortions	48	55	79	70	75	76	68	66	67	63	72	36.1
	23	31	17	26	15	24	19	36	25	26	51	25.6
ALL RACE/ETHNIC GROUPS⁴, total:												
Births	8,064	8,734	8,799	8,993	8,515	8,621	8,627	8,975	8,869	9,571	9,738	121.4
Abortions	6,652	7,064	7,489	7,689	7,512	7,316	7,379	7,448	7,569	8,296	8,431	105.1
	1,351	1,611	1,259	1,247	942	1,246	1,193	1,473	1,256	1,226	1,261	15.7
Pregnancy rate, total:	139.3	142.1	137.6	123.6	113.2	111.2	108.2	108.7	103.6	115.6	121.4	
Fertility rate⁵	114.9	114.9	117.1	105.7	99.9	94.3	92.5	90.2	88.4	100.2	105.1	
Abortion rate	23.3	26.2	19.7	17.1	12.5	16.1	15.0	17.8	14.7	14.8	15.7	

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, 1997-2007**

Race/ethnicity Pregnancy outcome	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2007 Rates
WHITE³ NON-HISPANIC, total:	4,978	5,375	4,915	4,814	4,175	4,102	3,903	3,924	3,631	4,148	4,101	19.0
Births	3,733	3,843	3,869	3,759	3,396	3,064	2,970	2,806	2,744	3,209	3,100	14.4
Abortions	1,179	1,480	981	1,020	746	1,010	914	1,095	867	917	982	4.5
HISPANIC OR LATINO, total:	6,378	6,698	6,701	7,213	7,239	7,287	7,476	7,965	7,748	8,396	8,545	55.3
Births	5,736	5,951	6,161	6,548	6,648	6,585	6,792	7,138	7,188	7,738	7,782	50.3
Abortions	642	747	540	610	534	650	630	784	522	609	710	4.6
BLACK OR AFRICAN AMERICAN, total:	582	644	669	620	622	605	664	671	688	731	766	36.1
Births	519	586	603	572	545	468	549	540	569	601	621	29.3
Abortions	107	147	96	115	71	118	107	125	114	124	136	6.4
AMERICAN INDIAN OR ALASKA NATIVE, total:	1,117	1,301	1,155	1,216	1,053	1,082	1,215	1,215	1,289	1,277	1,353	39.1
Births	971	1,122	1,050	1,089	1,013	1,039	1,141	1,142	1,204	1,216	1,285	37.2
Abortions	58	53	56	43	29	40	68	65	76	55	63	1.8
ASIAN OR PACIFIC ISLANDER, total:	110	129	136	137	134	130	134	148	132	132	167	15.3
Births	66	73	108	100	104	96	107	92	96	92	103	9.4
Abortions	42	51	28	37	30	34	27	56	35	40	63	5.8
ALL RACE/ETHNIC GROUPS⁴, total:	13,438	14,532	14,095	14,287	13,429	13,572	13,654	14,163	13,898	14,918	15,038	34.4
Births	11,085	11,695	11,963	12,189	11,790	11,474	11,700	11,863	11,933	12,916	12,972	29.7
Abortions	2,233	2,735	2,046	1,988	1,528	1,995	1,867	2,220	1,892	1,919	1,979	4.5
Pregnancy rate, total:	43.8	45.8	42.7	39.5	36.0	35.2	34.5	34.6	32.7	34.1	34.4	
Fertility rate⁵	36.1	36.9	36.2	33.7	31.6	29.8	29.5	29.0	28.1	29.6	29.7	
Abortion rate	7.3	8.6	6.2	5.5	4.1	5.2	4.7	5.4	4.5	4.4	4.4	

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,
ARIZONA, 1997-2007

	ARIZONA	APACHE	COCHISE	COCONINO	GILA	GRAHAM	GREENLEE	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ	
19 YEARS OR YOUNGER	1997	43.8	30.4	39.8	31.7	45.0	41.3	44.6	42.6	37.4	43.1	46.8	43.1	32.4	48.6	44.1	
	1998	45.8	30.2	36.2	28.0	45.4	36.3	46.9	40.1	41.9	43.1	49.4	48.3	37.0	46.6	39.2	
	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
18-19 YEARS	2004	34.6	32.8	30.0	27.7	38.4	22.5	36.6	35.5	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	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
	1997	139.3	98.8	155.6	91.8	154.5	120.4	192.6	143.0	156.3	124.5	133.3	152.1	122.6	103.5	168.4	144.9
	1998	142.1	105.7	115.5	77.6	130.5	111.1	94.0	148.0	139.1	138.0	123.8	159.9	136.9	111.7	156.6	135.7
	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
10-17 YEARS	2000	135.8	109.9	124.5	74.7	167.3	74.1	123.8	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	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	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	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	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	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	
10-17 YEARS	1997	22.0	15.7	19.2	14.1	30.4	22.5	16.5	22.4	18.5	18.3	20.4	24.7	23.8	16.2	23.5	21.6
	1998	22.7	13.7	16.9	12.8	24.8	19.4	31.9	23.0	18.1	20.9	22.0	25.6	26.4	19.2	22.9	13.0
	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
10-17 YEARS	2004	15.9	13.5	12.7	12.9	15.4	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	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

* 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, 1997-2007

Group	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
ARIZONA, TOTAL¹											
# Births (all ages)	75,563	77,940	80,505	84,985	85,213	87,379	90,783	93,396	95,798	102,042	102,687
# Births to teenagers	11,085	11,695	11,963	12,189	11,790	11,474	11,700	11,863	11,933	12,916	12,972
% Births to teenagers	14.7	15.0	14.9	14.3	13.8	13.1	12.9	12.7	12.5	12.7	12.6
URBAN COUNTIES²											
# Births (all ages)	63,510	65,825	68,611	72,596	73,319	74,851	77,905	79,951	82,141	87,910	88,266
# Births to teenagers	9	9,605	9,896	10,102	9,906	9,512	9,686	9,786	9,827	10,809	10,693
% Births to teenagers	14.3	14.6	14.4	13.9	13.5	12.7	12.4	12.2	12.0	12.3	12.1
RURAL COUNTIES											
# Births (all ages)	12,053	12,115	11,877	12,333	11,851	12,498	12,848	13,409	13,603	14,083	14,413
# Births to teenagers	2,009	2,090	2,067	2,083	1,882	1,959	2,014	2,074	2,103	2,100	2,279
% Births to teenagers	16.6	17.0	17.4	16.9	15.9	15.7	15.7	15.5	15.5	14.9	15.8
WHITE NON-HISPANIC											
# Births (all ages)	37,869	38,611	38,711	39,850	38,934	38,819	38,842	39,271	39,657	43,013	42,216
# Births to teenagers	3,733	3,843	3,869	3,759	3,396	3,064	2,970	2,806	2,744	3,209	3,100
% Births to teenagers	9.9	10.0	10.0	9.4	8.7	7.9	7.6	7.2	6.9	7.5	7.3
HISPANIC OR LATINO											
# Births (all ages)	27,941	28,824	30,784	33,893	35,103	36,089	39,101	40,822	42,156	44,862	45,731
# Births to teenagers	5,736	5,951	6,161	6,548	6,648	6,585	6,792	7,138	7,188	7,738	7,782
% Births to teenagers	20.6	20.7	20.0	19.3	18.9	18.2	17.4	17.5	17.0	17.2	17.0
BLACK OR AFRICAN AMERICAN											
# Births (all ages)	2,485	2,629	2,699	2,760	2,736	2,753	3,022	3,216	3,450	3,864	4,165
# Births to teenagers	519	586	603	572	545	468	549	540	569	601	621
% Births to teenagers	21.2	22.4	22.3	20.7	19.9	17.0	18.2	16.8	16.5	15.6	14.9
AMERICAN INDIAN OR ALASKA NATIVE											
# Births (all ages)	5,271	5,460	5,295	5,602	5,340	5,545	5,881	6,120	6,293	6,364	6,408
# Births to teenagers	971	1,122	1,050	1,089	1,013	1,039	1,141	1,142	1,204	1,216	1,285
% Births to teenagers	18.4	20.3	19.8	19.4	19.0	18.7	19.4	18.9	19.1	19.1	20.0
ASIAN OR PACIFIC ISLANDER											
# Births (all ages)	1,602	1,747	1,875	2,041	2,104	2,281	2,524	2,614	2,805	3,136	3,412
# Births to teenagers	66	73	92	100	104	96	107	92	96	92	103
% Births to teenagers	4.1	4.2	5.8	4.9	4.9	4.2	4.2	3.5	3.4	2.9	3.0

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, 1997-2007**

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.
1997	1.4	1.1	72.8	52.3	46.1	32.1	114.9	83.6
1998	1.4	1.0	73.9	51.1	47.0	30.4	114.9	82.0
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	NA	59.5	NA	32.3	NA	105.1	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, 1997-2007**

Mother's age	Pregnancies	Year													
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007			
11	Total	1	0	0	0	0	1	1	0	0	0	0	0	0	0
	Previous pregnancies	1	0	0	0	0	1	1	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Total	4	5	2	4	3	5	3	3	3	3	3	3	2	4
	Previous pregnancies	4	4	2	4	3	5	3	3	3	3	2	2	2	4
		0	1	0	0	0	0	0	0	0	0	1	0	0	0
13	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Previous pregnancies	33	34	36	37	28	22	26	31	22	31	22	25	25	20
		33	33	36	35	28	21	25	30	22	30	22	25	25	20
14	Total	0	1	0	2	0	0	1	1	0	1	0	0	0	0
	Previous pregnancies	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		176	195	200	175	167	178	181	154	160	154	160	143	156	156
15	Total	165	186	189	172	157	167	176	151	155	155	140	154	154	154
	Previous pregnancies	11	9	11	3	10	11	5	3	5	3	5	3	2	2
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Total	598	651	595	647	620	512	587	566	603	566	603	593	604	604
	Previous pregnancies	553	597	559	604	569	470	551	538	559	538	559	558	553	553
		41	51	35	36	49	41	36	25	44	36	25	44	35	51
17	Total	4	3	1	3	2	1	0	3	0	3	0	0	0	0
	Previous pregnancies	1,363	1,443	1,388	1,376	1,353	1,336	1,314	1,389	1,317	1,389	1,317	1,448	1,360	1,360
		1,175	1,261	1,207	1,205	1,171	1,169	1,144	1,228	1,167	1,228	1,167	1,290	1,199	1,199
18	Total	182	175	177	163	176	166	168	159	150	159	150	158	161	161
	Previous pregnancies	6	7	4	8	6	1	2	2	2	2	2	0	0	0
		2,258	2,303	2,253	2,261	2,107	2,104	2,209	2,272	2,259	2,272	2,259	2,409	2,397	2,397
19	Total	1,729	1,831	1,772	1,806	1,634	1,658	1,729	1,838	1,791	1,838	1,791	1,905	1,895	1,895
	Previous pregnancies	516	463	475	447	464	437	475	427	468	427	468	502	502	502
		13	9	6	8	9	9	5	7	0	7	0	2	0	0
20	Total	2,902	3,153	3,300	3,338	3,168	3,208	3,211	3,208	3,351	3,208	3,351	3,523	3,661	3,661
	Previous pregnancies	1,951	2,138	2,247	2,313	2,161	2,231	2,209	2,250	2,411	2,250	2,411	2,519	2,645	2,645
		939	1,002	1,041	1,014	988	967	996	954	940	954	940	1,004	1,016	1,016
21	Total	12	13	12	11	19	10	6	4	0	4	0	0	0	0
	Previous pregnancies	3,750	3,911	4,189	4,351	4,344	4,108	4,168	4,240	4,218	4,240	4,218	4,773	4,770	4,770
		2,180	2,284	2,485	2,627	2,597	2,496	2,592	2,556	2,631	2,556	2,631	2,961	2,980	2,980
22	Total	1,554	1,606	1,680	1,706	1,735	1,595	1,567	1,681	1,586	1,681	1,586	1,812	1,790	1,790
	Previous pregnancies	16	21	24	18	12	17	9	3	1	3	1	0	0	0
		16	21	24	18	12	17	9	3	1	3	1	0	0	0

TABLE 13
CUMULATIVE NUMBER OF MOTHERS WHO WERE 19 OR YOUNGER IN ARIZONA IN 2007

Year Baby Was Born	MOTHER'S AGE WHEN BABY WAS BORN										Mother was 19 or younger in 2007	
	10	11	12	13	14	15	16	17	18	19		
1998	0											0
1999	0	0										0
2000	0	0	4									4
2001	0	0	3	28								31
2002	0	1	5	22	178							206
2003	0	1	3	26	181	587						798
2004	0	0	3	31	154	566	1,389					2,143
2005	0	0	3	22	160	603	1,317	2,259				4,364
2006	0	0	2	25	143	593	1,448	2,409	3,523			8,143
2007	0	0	4	20	156	604	1,360	2,397	3,661	4,770		12,972
Cumulative number of mothers 19 or younger	0	2	27	174	972	2,953	5,514	7,065	7,184	4,770		28,661

NOTE: The above table focuses on the 2007 cohort of Arizona mothers who were 19 or younger that year.

Among them are those who:

gave birth to the 12,972 babies in 2007.

gave birth to a baby prior to 2007 and were still 19 or less years old in 2007.

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 2007 by the year the baby was born. For example, from among those girls and adolescents who had their baby in 1999, 2 remained in their teens in 2007. The bottom row gives the cumulative total by mother's age when the baby was born. For example, among the 28,661 mothers under 20 in Arizona in 2007, 174 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 2007. For example, mothers who were 12 years old in 1998 were 21 years old in 2007.

The figures in Table 26 are unadjusted for in-and-out migration, as well as mortality of mothers, in the period of 1998-2007. 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
(INCLUDING REVISED* RATES FOR 1997-1999), ARIZONA, 1997-2007

		All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
White non-Hispanic	1997	27.5	0.7	54.3	31.1	89.3
	1998	28.8	0.8	56.5	32.9	91.2
	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	
Hispanic or Latino	1997	68.2	3.6	131.8	92.2	189.2
	1998	67.1	3.4	131.1	93.0	185.0
	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	
Black or African American	1997	45.8	1.8	93.9	62.0	144.4
	1998	50.3	2.6	101.3	65.2	154.7
	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	
American Indian or Alaska Native	1997	38.9	2.0	80.8	54.1	126.4
	1998	42.5	2.2	87.4	55.3	141.0
	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	
Asian or Pacific Islander	1997	18.3	0.6	35.5	20.4	55.7
	1998	18.5	0.6	35.0	23.1	50.7
	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	

* The pregnancy rates for 1997-1999 were revised using the population denominators that are consistent with the 2000 census. The populations estimated 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 estimated number of 86,203 in 1999. The revised rates differ from those previously published for 1997-1999

**TABLE 15
TRENDS IN SEXUALLY TRANSMITTED INFECTIONS BY AGE GROUP AND YEAR AMONG FEMALES 10-19 YEARS,
ARIZONA, 1997-2007**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
10-14 years old											
Diagnosed with:											
Gonorrhea	34	32	36	32	37	22	31	36	40	40	32
Chlamydia	171	194	213	207	223	191	169	188	210	224	278
Early syphilis	2	0	2	2	2	0	0	0	0	0	1
Genital herpes	5	6	3	6	7	2	2	5	5	7	10
Gave birth that year	0	0	0	0	0	0	0	0	0	0	0
Total reported infections	212	232	254	247	269	215	202	229	255	271	321
15-19 years old											
Diagnosed with:											
Gonorrhea	522	551	588	565	535	469	503	538	721	804	709
Chlamydia	3,472	3,624	3,753	3,726	4,046	4,024	3,475	4,400	5,451	6,188	6,600
Early syphilis	13	15	18	22	24	23	25	19	13	16	25
Genital herpes	176	115	112	118	121	135	90	121	128	143	136
Gave birth that year	23	27	26	41	30	35	27	28	31	43	38
Total reported infections	4,183	4,305	4,471	4,431	4,726	4,651	4,093	5,078	6,313	7,151	7,470

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 see Table 1B-34 in the Arizona Health Status and Vital Statistics annual reports.

TABLE 16
TRENDS IN THE INCIDENCE RATES* OF SEXUALLY TRANSMITTED INFECTIONS BY AGE GROUP AND YEAR AMONG
FEMALES 10-19 YEARS, ARIZONA, 1997-2007

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
10-14 years old											
Diagnosed with:											
Gonorrhea	21.7	19.8	21.3	17.4	19.5	11.2	15.4	17.2	18.5	17.9	14.4
Chlamydia	108.9	119.8	126.0	112.5	122.6	97.5	83.7	90.1	97.1	100.3	125.1
Early syphilis	1.3	0.0	1.2	1.0	1.1	0.0	0.0	0.0	9.0	0.0	0.5
Genital herpes	3.2	3.7	1.8	3.3	3.7	1.0	1.0	2.4	2.3	3.1	4.5
Total reported infections	135.1	143.3	150.3	134.2	146.9	109.7	100.1	109.7	126.9	121.3	144.5
15-19 years old											
Diagnosed with:											
Gonorrhea	350.3	355.5	365.2	319.2	292.4	248.2	259.3	267.7	346.5	376.2	329.6
Chlamydia	2330.2	2381.1	2331.1	2104.5	2211.5	2129.1	1791.2	2189.1	2619.4	2895.7	3068.6
Early syphilis	8.7	9.7	11.2	12.4	13.1	12.2	12.9	9.5	6.2	7.5	11.6
Genital herpes	118.1	74.2	69.6	66.7	66.1	71.4	46.4	60.3	61.5	66.9	63.2
Gave birth that year (%)	13.1	23.5	23.2	34.7	24.8	25.9	30.0	23.1	24.2	30.1	27.9
Total reported infections	2807.3	2820.5	2777.1	2502.8	2583.1	2460.9	2109.8	2526.6	3033.6	3346.3	3473.1

*Number of cases per 100,000 females in specified age group.

TABLE 17
PREGNANCIES AND PREGNANCY RATES, FEMALES 19 OR YOUNGER
BY COUNTY OF RESIDENCE, ARIZONA, 2007

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	210	6	204	71	133
Cochise	284	3	281	91	190
Coconino	348	10	338	116	222
Gila	152	2	150	47	103
Graham	124	2	122	43	79
Greenlee	17	0	17	5	12
Maricopa	9,231	213	9,018	3,084	5,934
Mohave	379	6	373	103	270
Navajo	355	3	352	123	229
Pima	2,055	63	1,992	647	1,345
Pinal	712	9	703	252	451
Santa Cruz	127	0	127	58	69
Yavapai	407	3	404	127	277
Yuma	580	5	575	193	382
La Paz	57	0	57	15	42
TOTAL STATE**	15,038	325	14,713	4,975	9,738

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	27.5	1.6	51.4	28.6	89.4
Cochise	29.1	0.6	55.8	29.0	99.8
Coconino	33.2	2.1	58.7	38.3	81.2
Gila	41.7	1.1	80.6	38.1	164.0
Graham	40.1	1.5	70.8	44.9	103.4
Greenlee	25.4	0.0	56.9	24.9	122.4
Maricopa	35.4	1.6	72.4	38.7	131.9
Mohave	31.9	1.0	65.6	25.9	157.6
Navajo	33.7	0.6	65.8	34.9	125.8
Pima	30.5	2.0	56.6	32.1	89.6
Pinal	37.4	0.9	76.7	41.6	144.9
Santa Cruz	32.2	0.0	63.2	43.3	102.8
Yavapai	33.0	0.5	64.6	30.8	129.9
Yuma	37.8	0.7	74.9	40.8	129.8
La Paz	50.9	0.0	105.9	41.1	242.8
TOTAL STATE	34.4	1.5	68.4	36.9	121.4

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

** Includes records with unknown county of residence.

*** 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, 2007

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	199	4	195	68	127
Cochise	261	2	259	85	174
Coconino	302	8	294	105	189
Gila	145	2	143	43	100
Graham	122	2	120	42	78
Greenlee	16	0	16	5	11
Maricopa	7,816	120	7,696	2,665	5,031
Mohave	370	5	365	101	264
Navajo	341	2	339	117	222
Pima	1,674	26	1,648	543	1,105
Pinal	644	4	640	227	413
Santa Cruz	116	0	116	51	65
Yavapai	353	1	352	108	244
Yuma	559	4	555	186	369
La Paz	54	0	54	15	39
TOTAL STATE	12,972	180	12,792	4,361	8,431

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	26.1	1.1	49.1	27.4	85.4
Cochise	26.8	0.4	51.4	27.1	91.4
Coconino	28.8	1.7	51.1	34.7	69.2
Gila	39.8	1.1	76.9	34.9	159.2
Graham	39.5	1.5	69.7	43.8	102.1
Greenlee	23.9	0.0	53.5	24.9	112.2
Maricopa	30.0	0.9	61.8	33.5	111.8
Mohave	31.1	0.8	64.2	25.4	154.1
Navajo	32.3	0.4	63.4	33.2	121.9
Pima	24.9	0.8	46.8	26.9	73.6
Pinal	33.8	0.4	69.8	37.5	132.7
Santa Cruz	29.4	0.0	57.7	38.1	96.9
Yavapai	28.7	0.2	56.3	26.2	114.4
Yuma	36.4	0.5	72.3	39.3	125.4
La Paz	48.2	0.0	100.4	41.1	225.4
TOTAL STATE	29.7	0.8	59.5	32.3	105.1

** 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, 2007**

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Induced terminations of pregnancy (or abortions)	Spontaneous fetal losses	Number	Rate
10	44,087	0	2	0	2	0.0
11	44,207	0	15	0	15	0.3
12	44,273	4	25	0	29	0.7
13	44,755	20	40	0	60	1.3
14	44,838	156	60	3	219	4.9
10-14	222,160	180	145	3	325	1.5
15	45,312	604	96	4	704	15.5
16	45,796	1,360	190	8	1,558	34.0
17	43,789	2,397	290	26	2,713	62.0
15-17	134,897	4,361	576	38	4,975	36.9
18	40,608	3,661	567	20	4,248	104.6
19	39,574	4,770	694	26	5,490	138.7
18-19	80,182	8,431	1,261	46	9,738	121.4
Total 10-19	437,239	12,972	1,979	87	15,038	34.4

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

TABLE 20
BIRTHS TO FEMALES 19 OR YOUNGER BY AGE AND COUNTY OF RESIDENCE,
ARIZONA, 2007

	Total	Mother's age							
		12	13	14	15	16	17	18	19
TOTAL	12,972	4	20	156	604	1,360	2,397	3,661	4,770
Apache	199	0	0	4	6	23	39	47	80
Cochise	261	0	0	2	11	27	47	83	91
Coconino	302	0	1	7	14	26	65	83	106
Gila	145	0	0	2	5	14	24	42	58
Graham	122	0	0	2	2	10	30	38	40
Geenlee	16	0	0	0	2	0	3	3	8
Maricopa	7,816	4	16	100	378	841	1,446	2,226	2,805
Mohave	370	0	0	5	12	32	57	118	146
Navajo	341	0	0	2	18	27	72	96	126
Pima	1,674	0	3	23	66	181	296	470	635
Pima	644	0	0	4	35	72	120	169	244
Santa Cruz	116	0	0	0	8	18	25	25	40
Yavapai	353	0	0	1	12	26	70	100	144
Yuma	559	0	0	4	33	61	92	142	227
La Paz	54	0	0	0	2	2	11	19	20

TABLE 21
ABORTIONS TO FEMALES 19 OR YOUNGER BY AGE AND COUNTY OF RESIDENCE,
ARIZONA, 2007

	Total	10	11	12	13	14	15	16	17	18	19
TOTAL	1,979	2	15	25	40	60	96	190	290	567	694
Apache	11	0	0	1	0	1	0	1	2	4	2
Cochise	19	0	0	0	0	0	0	2	3	6	8
Coconino	44	0	0	0	0	2	4	2	4	16	16
Gila	7	0	0	0	0	0	0	1	3	2	1
Graham	2	0	0	0	0	0	0	0	1	0	1
Greenlee	1	0	0	0	0	0	0	0	0	0	1
Maricopa	1,367	1	11	10	28	42	63	129	207	394	482
Mohave	5	0	0	0	0	0	0	0	0	3	2
Navajo	13	0	0	0	1	0	1	0	5	5	1
Pima	364	1	4	12	9	11	21	35	39	97	135
Pinal	61	0	0	2	0	3	3	6	12	19	16
Santa Cruz	11	0	0	0	0	0	1	3	3	1	3
Yavapai	52	0	0	0	2	0	3	6	10	16	15
Yuma	19	0	0	0	0	1	0	5	1	2	10
La Paz	3	0	0	0	0	0	0	0	0	2	1

TABLE 22
SOURCES OF PAYMENT FOR LABOR AND DELIVERY, FEMALES 19 OR YOUNGER
BY AGE AND COUNTY OF RESIDENCE, ARIZONA, 2007

	Total	AHCCCS	IHS	Private insurance	Self	Unknown
TOTAL	12,972	10,394	417	1,764	269	128
Apache	199	100	78	4	2	15
Cochise	261	197	0	58	4	2
Coconino	302	210	65	18	0	9
Gila	145	90	40	14	1	0
Graham	122	91	11	19	1	0
Greenlee	16	7	0	9	0	0
Maricopa	7,816	6,443	59	1,138	132	44
Mohave	370	307	0	31	11	21
Navajo	341	215	102	15	4	5
Pima	1,674	1,347	34	227	46	20
Pinal	644	483	16	120	22	3
Santa Cruz	116	99	0	6	11	0
Yavapai	353	308	0	38	6	1
Yuma	559	463	3	60	29	4
La Paz	54	34	9	7	0	4

TABLE 23
SOURCES OF PAYMENT FOR LABOR AND DELIVERY, FEMALES 19 OR YOUNGER
BY AGE GROUP, ARIZONA, 2007

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Payee for births	AHCCCS	Count	10,394	150	3,505	6,739
		Percent	80.1	83.3	80.4	79.9
	IHS	Count	417	7	161	249
		Percent	3.2	3.9	3.7	3.0
	Private insurance	Count	1,764	12	564	1,188
		Percent	13.6	6.7	12.9	14.1
	Self	Count	269	9	96	164
		Percent	2.1	5.0	2.2	1.9
	Unknown	Count	128	2	35	91
		Percent	1.0	1.1	0.8	1.1

TABLE 24
TEENAGE BIRTHS BY NUMBER OF PREVIOUS PREGNANCIES BY AGE GROUP,
ARIZONA, 2007

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Total prior pregnancies	None	Count	9,449	178	3,647	5,624
		Percent	72.8	98.9	83.6	66.7
	1	Count	2,800	2	636	2,162
		Percent	21.6	1.1	14.6	25.6
	2	Count	587	0	69	518
		Percent	4.5	0.0	1.6	6.1
	3	Count	110	0	9	101
		Percent	0.8	0.0	0.2	1.2
	4 or more	Count	25	0	0	25
		Percent	0.2	0.0	0.0	0.3
	Unknown	Count	1	0	0	1
		Percent	0.0	0.0	0.0	0.0

TABLE 25
TEENAGE BIRTHS BY MARITAL STATUS AND AGE GROUP,
ARIZONA, 2007

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Marital status	Married	Count	1,713	1	255	1,457
		Percent	13.2	0.6	5.8	17.3
	Unmarried	Count	11,237	179	4,104	6,954
		Percent	86.6	99.4	94.1	82.5
	Other	Count	22	0	2	20
		Percent	0.2	0.0	0.0	0.2

TABLE 26
TEENAGE BIRTHS BY MOTHER'S EDUCATION AND AGE GROUP
ARIZONA, 2007

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Mother's education	< 8	Count	455	42	155	258
		Percent	3.5	23.3	3.6	3.1
	8	Count	669	86	333	250
		Percent	5.2	47.8	7.6	3.0
	9-11	Count	6,621	49	3,287	3,285
		Percent	51.0	27.2	75.4	39.0
	12	Count	4,315	0	514	3,801
		Percent	33.3	0.0	11.8	45.1
	13-16	Count	783	0	22	761
		Percent	6.0	0.0	0.5	9.0
	17+	Count	1	0	1	0
		Percent	0.0	0.0	0.0	0.0
	Unknown	Count	128	3	49	76
		Percent	1.0	1.7	1.1	0.9

**TABLE 27
TEENAGE BIRTHS BY TRIMESTER OF ENTRY INTO PRENATAL CARE
AND AGE GROUP, ARIZONA, 2007**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Prenatal care	No care	Count	409	9	157	243
		Percent	3.2	5.0	3.6	2.9
	1st trimester	Count	8,377	88	2,652	5,637
		Percent	64.6	48.9	60.8	66.9
	2nd trimester	Count	3,439	66	1,266	2,107
		Percent	26.5	36.7	29.0	25.0
	3rd trimester	Count	739	17	283	439
		Percent	5.7	9.4	6.5	5.2
	Unknown	Count	8	0	3	5
		Percent	0.1	0.0	0.1	0.1

**TABLE 28
TEENAGE BIRTHS BY NUMBER OF PRENATAL VISITS AND AGE GROUP,
ARIZONA, 2007**

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Prenatal visits	No visits	Count	409	9	157	243
		Percent	3.2	5.0	3.6	2.9
	1-4 visits	Count	756	14	294	448
		Percent	5.8	7.8	6.7	5.3
	5-8 visits	Count	3,084	59	1,069	1,956
		Percent	23.8	32.8	24.5	23.2
	9-12 visits	Count	5,915	62	1,963	3,890
		Percent	45.6	34.4	45.0	46.1
	13+ visits	Count	2,799	36	875	1,888
		Percent	21.6	20.0	20.1	22.4
	Unknown	Count	9	0	3	6
		Percent	0.1	0.0	0.1	0.1

TABLE 29
TOBACCO AND/OR ALCOHOL USE DURING PREGNANCY AMONG FEMALES
19 OR YOUNGER BY AGE GROUP, ARIZONA, 2007

		Total	Mother's age group			
			<15	15-17	18-19	
Total	Count	12,972	180	4,361	8,431	
Substance use	Drinker, nonsmoker	Count	17	0	8	9
		Percent	0.1	0.0	0.2	0.1
	Smoker, nondrinker	Count	561	2	125	434
		Percent	4.3	1.1	2.9	5.1
	Smoker and drinker	Count	28	0	9	19
		Percent	0.2	0.0	0.2	0.2
	Nonsmoker and nondrinker	Count	12,366	178	4,219	7,969
		Percent	95.3	98.9	96.7	94.5

TABLE 30
RISK FOR LOW-BIRTHWEIGHT (LBW) BIRTHS BY SELECTED CHARACTERISTICS OF FEMALES 19 OR YOUNGER,
ARIZONA, 2007

	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	Total births	LBW births Count	Percent
Race/ethnicity	White non-Hispanic	26	2	7.7	779	65	8.3	2,295	194	8.5	8.5	
	Hispanic or Latino	115	7	6.1	2,892	238	8.2	4,775	340	7.1	7.1	
	Black or African American	12	3	25.0	195	25	12.8	414	56	13.5	13.5	
	American Indian or Alaska Native	26	3	11.5	445	31	7.0	814	63	7.7	7.7	
	Asian or Pacific Islander	0	0	0.0	31	2	6.5	72	4	5.6	5.6	
	Unknown	1	0	0.0	19	2	10.5	61	0	0.0	0.0	
	Drinker, nonsmoker	0	0	0.0	8	0	0.0	9	2	22.2	22.2	
Substance use	Smoker, nondrinker	2	0	0.0	125	16	12.8	434	53	12.2	12.2	
	Smoker and drinker	0	0	0.0	9	0	0.0	19	5	26.3	26.3	
	Nonsmoker and nondrinker	178	15	8.4	4,219	347	8.2	7,969	597	7.5	7.5	
	AHCCCS	150	13	8.7	3,505	296	8.4	6,739	508	7.5	7.5	
Payee for births	IHS	7	1	14.3	161	9	5.6	249	22	8.8	8.8	
	Private insurance	12	1	8.3	564	50	8.9	1,188	104	8.8	8.8	
	Self	9	0	0.0	96	5	5.2	164	16	9.8	9.8	
	Unknown	2	0	0.0	35	3	8.6	91	7	7.7	7.7	
	36 weeks or less	24	11	45.8	463	242	52.3	855	468	54.7	54.7	
Length of gestation	37 weeks or more	156	4	2.6	3,896	121	3.1	7,574	189	2.5	2.5	
	Unknown	0	0	0.0	2	0	0.0	2	0	0.0	0.0	
	Less than 5	23	8	34.8	451	65	14.4	691	103	14.9	14.9	
Prenatal visits	5 or more	157	7	4.5	3,907	297	7.6	7,734	552	7.1	7.1	
	Unknown	0	0	0.0	3	1	33.3	6	2	33.3	33.3	

**TABLE 31
POPULATION OF FEMALES 19 OR YOUNGER, NUMBER OF PREGNANCIES AND PREGNANCY
RATES BY AGE GROUP AND RACE/ETHNICITY, ARIZONA, 2007**

	POPULATION				
	All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
All groups	437,239	222,160	215,079	134,897	80,182
White non-Hispanic	215,939	105,795	110,144	68,355	41,789
Hispanic or Latino	154,592	82,795	71,797	45,654	26,143
Black or African American	21,214	11,196	10,018	6,562	3,456
American Indian or Alaska Native	34,588	16,705	17,883	11,083	6,800
Asian or Pacific Islander	10,906	5,669	5,237	3,243	1,994

Note: Two data sources were utilized in producing the 2006 population estimates. The totals for the State and each of its counties agree with the projections released by the Department of Economic Security (DES) on March 31, 2006 (<http://www.workforce.az.gov/?PAGEID=67&SUBID=138>). The percentages of population breakdowns by single-year of age, gender and race/ethnicity were derived from the "Bridged-Race Vintage 2005 Postcensal Population Estimates for Calculating Vital Rates", available from the National Center for Health Statistics (NCHS: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm#vintage2005>). These percentages were then applied to total state and county population projections for 2006 from DES. The 2006 population estimates by race/ethnicity should not be

	NUMBER OF PREGNANCIES				
	All 19 years or younger	10-14 years	15-19 years	15-17 years	18-19 years
All groups	15,038	325	14,713	4,975	9,738
White non-Hispanic	4,101	98	4,003	1,067	2,936
Hispanic or Latino	8,545	160	8,385	3,126	5,259
Black or African American	766	26	740	242	498
American Indian or Alaska Native	1,353	34	1,319	470	849
Asian or Pacific Islander	167	4	163	39	124

	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	34.4	1.5	68.4	36.9	121.4
White non-Hispanic	19.0	0.9	36.3	15.6	70.3
Hispanic or Latino	55.3	1.9	116.8	68.5	201.2
Black or African American	36.1	2.3	73.9	36.9	144.1
American Indian or Alaska Native	39.1	2.0	73.8	42.4	124.9
Asian or Pacific Islander	15.3	0.7	31.1	12.0	62.2

**TABLE 32
POPULATION OF FEMALES 19 OR YOUNGER BY COUNTY OF RESIDENCE, ARIZONA, 2007**

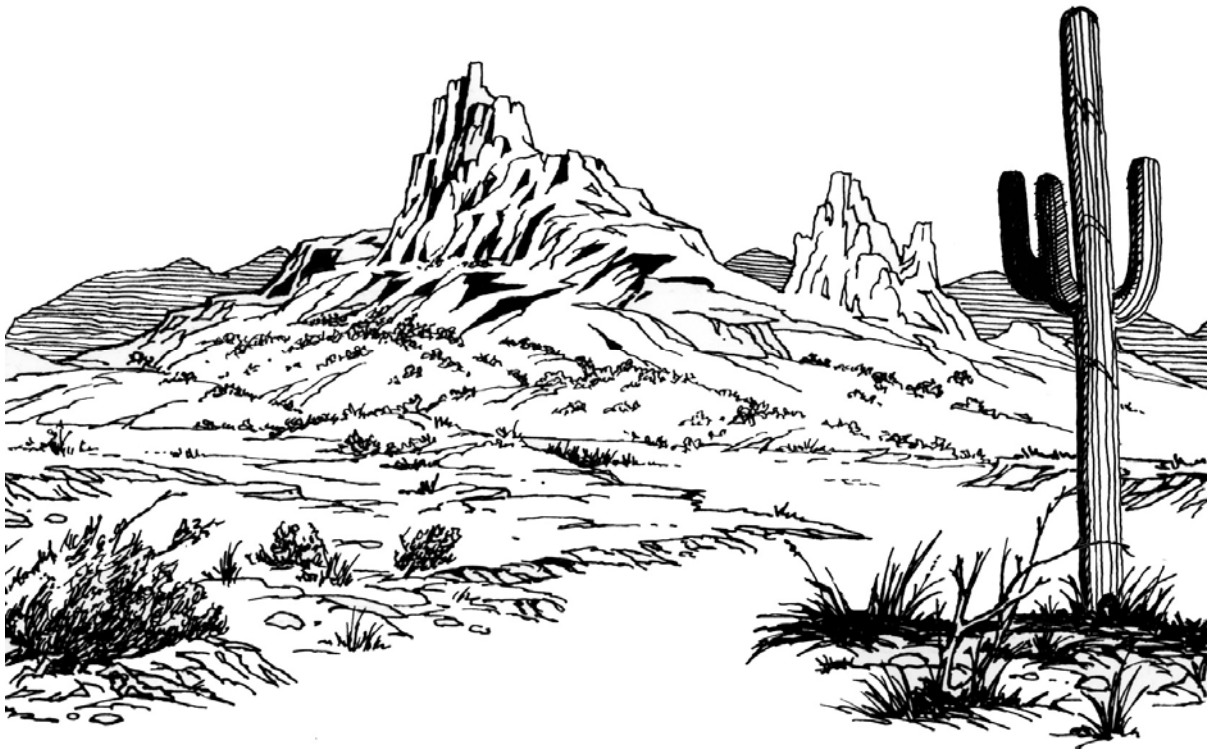
	All 19 years or younger	10-14 years	15-19 years		
			15-19 years	15-17 years	18-19 years
ARIZONA	437,239	222,160	215,079	134,897	80,182
Apache	7,625	3,654	3,971	2,484	1,487
Cochise	9,752	4,714	5,038	3,135	1,903
Coconino	10,482	4,724	5,758	3,025	2,733
Gila	3,647	1,787	1,860	1,232	628
Graham	3,091	1,369	1,722	958	764
Greenlee	669	370	299	201	98
La Paz	1,120	582	538	365	173
Maricopa	260,502	135,920	124,582	79,596	44,986
Mohave	11,885	6,200	5,685	3,972	1,713
Navajo	10,544	5,198	5,346	3,525	1,821
Pima	67,298	32,119	35,179	20,161	15,018
Pinal	19,028	9,861	9,167	6,055	3,112
Santa Cruz	3,939	1,929	2,010	1,339	671
Yavapai	12,316	6,064	6,252	4,120	2,132
Yuma	15,341	7,669	7,672	4,729	2,943

Note: Two data sources were utilized in producing the 2007 population estimates. The totals for the State and each of its counties agree with the projections released by the Department of Economic Security (DES) on March 31, 2006 (<http://www.workforce.az.gov/?PAGEID=67&SUBID=138>). The percentages of population breakdowns by single-year of age, gender and race/ethnicity were derived from the "Bridged-Race Vintage 2006 Postcensal Population Estimates for Calculating Vital Rates", available from the National Center for Health Statistics (NCHS: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm#vintage2006>). These percentages were then applied to total state and county population projections for 2007 from DES.

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

	2000	2001	2002	2003	2004	2005	2006	2007	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	Census enumeration for 2000. Population estimates for 2001-2007.
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	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	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	Mothers who gave birth when 15-19 years old. As an example, the 2007 cohort of mothers who were 15-19 years old includes 12,792 who gave birth that year and 14,694 who gave birth prior to 2007 and were still 15-19 years old in 2007 (Table 13).
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	The cumulative number of mothers 15-19 years old (Table 13) - 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	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	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	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	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	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
Bureau of Public Health Statistics
ARIZONA DEPARTMENT OF HEALTH SERVICES**