



## 1A.

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

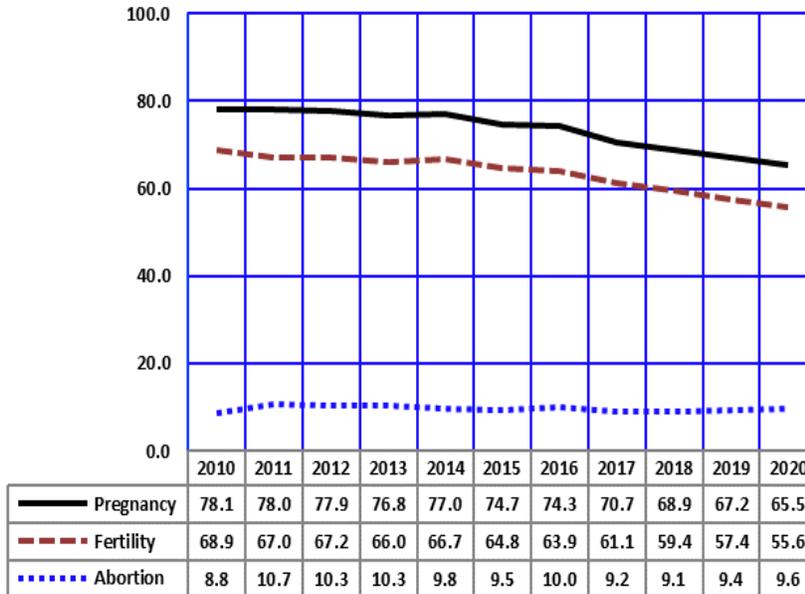
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The expression “reproductive and perinatal health” refers to a variety of health and sociodemographic characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. In this report, pregnancies are measured as the sum of three components: **live births** (see Section 1B), **spontaneous terminations of pregnancy** (fetal deaths or stillbirths; Section 1C), and **abortions** (Section 1D).

There were 90,444 pregnancies in 2020 compared to 92,675 pregnancies in Arizona in 2019, 98,060 in 2016, and 98,548 in 2010. The number of resident live births decreased by 3.0 percent, from 79,183 in 2019 to 76,781 (**Table 1A-1**). The number of reported abortions increased by 1.4 percent, from 13,003 in 2019 to 13,186 in 2020. The number of reportable spontaneous fetal losses decreased 2.5 percent, from 489 in 2019 to 477 in 2020.

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

**Figure 1A-1**  
**Pregnancy, Fertility, and Abortion Rates<sup>a</sup> by Outcome and Year among Females of Childbearing Ages (15 – 44 years), Arizona, 2010-2020**



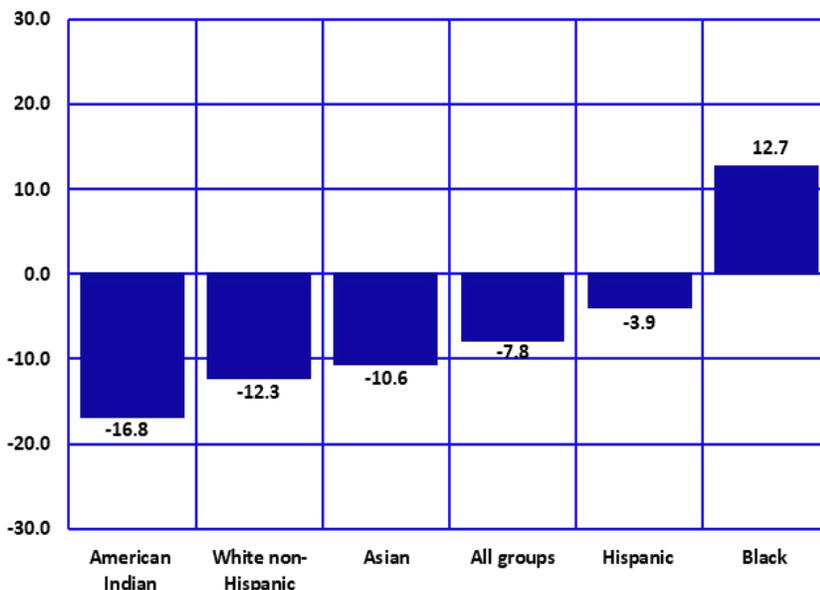
A rate is a measure of the frequency of some event (such as pregnancy, or live birth) in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. The pregnancy rate decreased from 67.2 pregnancies per 1,000 females of childbearing age in 2019 to 65.5 pregnancies per 1,000 females of childbearing age in 2020 (**Figure 1A-1, Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) also decreased from 57.4/1,000 in 2019 to 55.6 in 2020. In 2020, the fertility rate was 19.3 percent lower than the high rate recorded in 2010.

The abortion rate (the number of abortions per 1,000 women of childbearing age) increased 2.1 percent, from 9.4 per 1,000 women of childbearing age in 2019 to 9.6 in 2020.

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

**Figure 1A-2**  
**Percent Change from 2016 to 2020 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona**



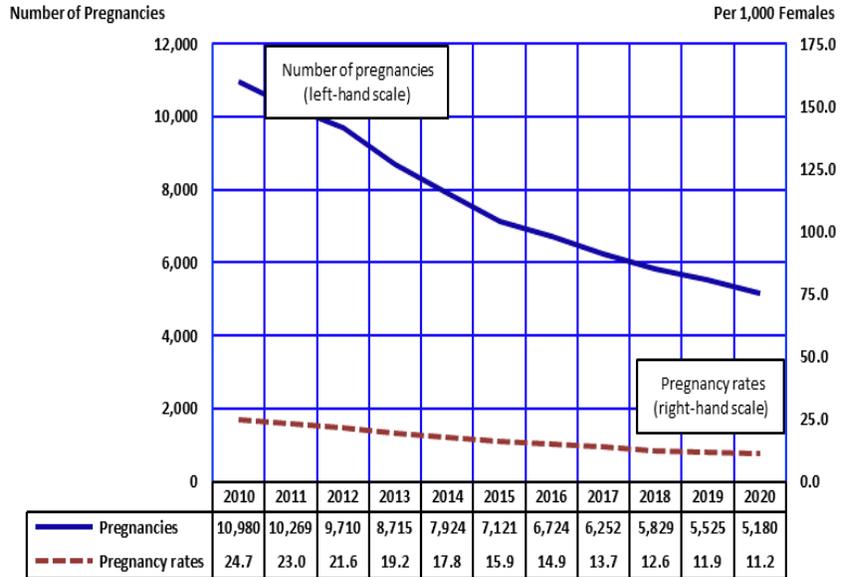
Overall, pregnancies in Arizona decreased 7.8 percent from 2016 to 2020. The changes in number of pregnancies varied by race/ethnicity. Between 2016 and 2020, while American Indian females (16.8 percent), White non-Hispanic (12.3 percent), Asian (10.6 percent), and Hispanic females (3.9 percent) experienced a decrease in number of pregnancies, Black females (12.7 percent) witnessed an increase in their pregnancy counts (**Figure 1A-2, Table 1A-1**).

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There is a difference between pregnancy rates and the absolute number of pregnancies. The teen pregnancy rate measures the proportion of teenagers becoming pregnant in a given year; in other words, the relative “risk for pregnancy” in a population “at risk.” The number of pregnancies is also determined by the size of the population “at risk:” or in this case, by the number of teenage females in the population.

The number of teen pregnancies decreased by 52.8 percent from 10,980 in 2010 to 5,180 in 2020 (Figure 1A-3). The teen pregnancy rate declined even more, by 54.7 percent, from 24.7 pregnancies per 1,000 females 10-19 years in 2010 to 11.2 per 1,000 females in 2020. The number of teenage pregnancies and the teen pregnancy rate of 2020 were the lowest recorded since at least 1980.

**Figure 1A-3**  
Trends in the Number of Pregnancies and Pregnancy Rates<sup>a</sup> among Females 19 or Younger, Arizona, 2010-2020

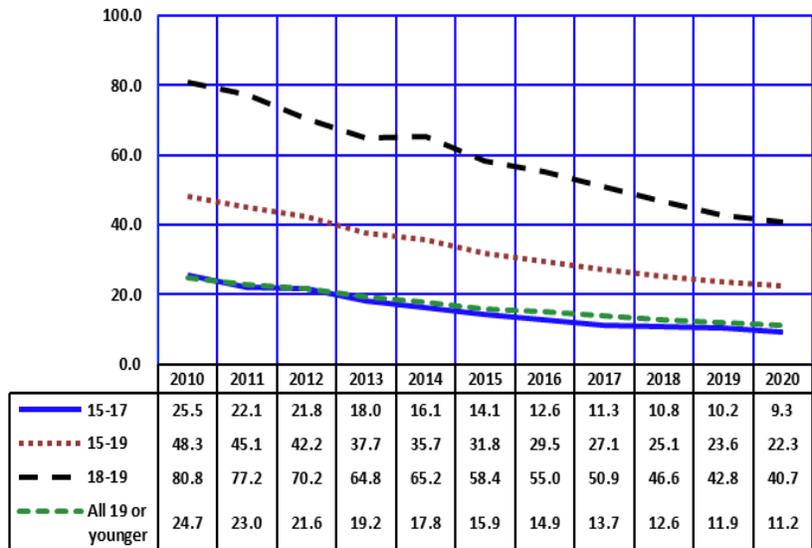


Note: <sup>a</sup> Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

The pregnancy rate for Arizona teenagers 15-19 years old in 2020 was 22.3 pregnancies per 1,000 females (Figure 1A-4, Table 5A-2), 5.5 percent lower than in 2019 and 53.8 percent lower than in 2010. The pregnancy rate for younger teenagers 15-17 years old declined by 63.5 percent (Table 1A-3) from 25.5/1,000 in 2010 to 9.3 /1,000 in 2020. The pregnancy rate for older teenagers 18-19 years old declined by 49.6 percent from 80.8/1,000 in 2010 to 40.7 /1,000 in 2020 (Table 1A-4).

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

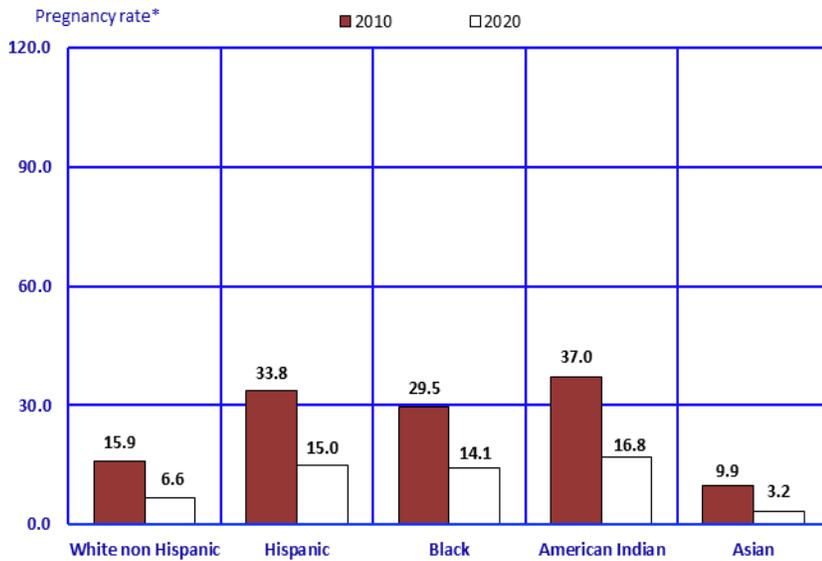
**Figure 1A-4**  
Pregnancy Rates<sup>a</sup> by Age Group and Year among Females 19 or Younger, Arizona, 2010-2020



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

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**Figure 1A-5**  
**Comparison of Pregnancy Rates<sup>a</sup> by Race/Ethnicity and Year among**  
**Females 19 or Younger in Arizona, 2010 and 2020**



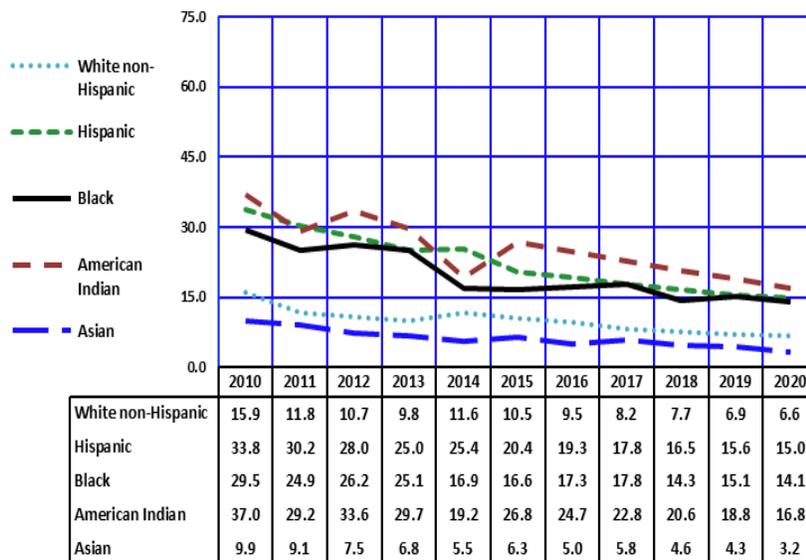
Teen pregnancy rates differ by race/ethnicity.

Between 2010 and 2020, pregnancy rates among females aged 19 and younger declined for all racial/ethnic groups (**Figure 1A-5**). The steepest decline in teenage pregnancy rates was recorded for Asian females, who experienced a 67.7 percent drop from 2010 to 2020. The White non-Hispanic teenage pregnancy rate decreased greatly also, by 58.5 percent from 15.9 in 2010 to 6.6 in 2020.

The changes in annual teen pregnancy rates from 2010 to 2020 are shown in detail below.

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

**Figure 1A-6**  
**Pregnancy Rates<sup>a</sup> by Race/Ethnicity and Year among Females**  
**19 or Younger, Arizona, 2010-2020**



The teen pregnancy rates for all racial/ethnic groups were lower in 2020 than in 2010 (**Figure 1A-6**). Compared to 2010, the teen pregnancy rate declined substantially, by more than half for all racial/ethnic groups.

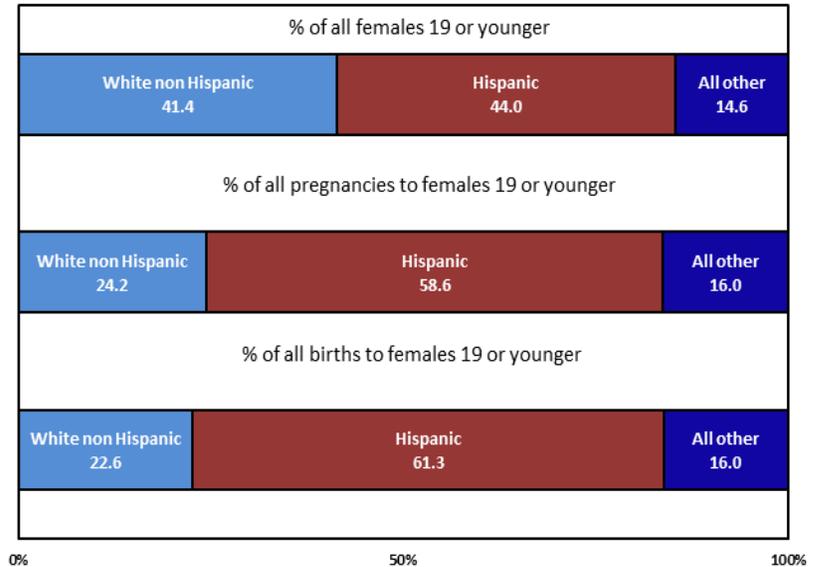
From 2019 to 2020, teenage pregnancy rates decreased for all race/ethnic groups. The decline was greater among Asian females (25.6 percent), American Indian (10.6 percent), Black (6.6 percent), White non-Hispanic (4.3 percent), and Hispanic females (3.8 percent).

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

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**Figure 1A-7**  
**Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2020**

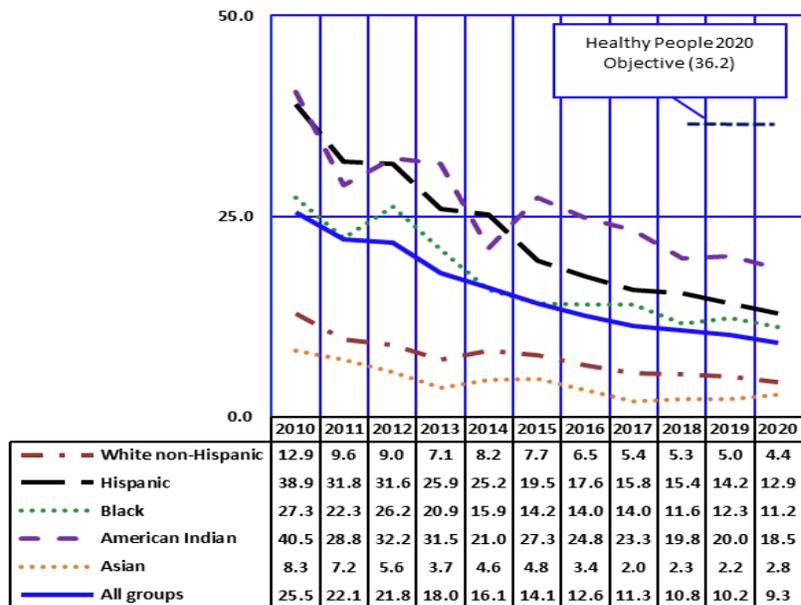
In 2020, Hispanic females accounted for approximately 44.0 percent of all females 10-19 years old in Arizona. As in the past, they accounted for a large percentage of teen pregnancies (58.6 percent) and live births (61.3 percent; **Figure 1A-7**). In contrast, White non-Hispanic females made up 41.4 percent of all females 10-19 years old in Arizona, but had a lower proportional contribution to teen pregnancies (24.2 percent) and live births (22.6 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.



0% 50% 100%

**Figure 1A-8**  
**Pregnancy Rates<sup>a</sup> by Race/Ethnicity and Year among Females 15-17 Years: 2010-2020 and the "Healthy Arizona 2020" Objective**

In 2020, the pregnancy rate of 9.3 pregnancies per 1,000 adolescent females 15-17 years old in Arizona was 74.3 percent lower than the **Healthy People 2020** objective of 36.2/1,000 (**Figure 1A-8, Table 1A-3**). The 2020 pregnancy rate among Asians age 15-17 was 92.3 percent lower than the objective and among White non-Hispanics 87.8 percent lower than the objective. While lower than the 2020 objective, the 2020 pregnancy rates of American Indians, Hispanics, and Blacks were substantially higher than their White non-Hispanic and Asian counterparts.



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