

**TABLE 1B-1
BIRTH RATE^a, GENERAL FERTILITY RATE^b, TOTAL FERTILITY RATE^c,
GROSS REPRODUCTION RATE^d, AND AGE-SPECIFIC BIRTH RATES^e BY YEAR,
ARIZONA AND UNITED STATES^f, 2009-2019**

| Year | Area | Birth rate | General fertility rate | Total fertility rate | Gross reproduction rate | Age specific birth rates: | | | | | | | |
|------|------|------------|------------------------|----------------------|-------------------------|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | Under 15 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years |
| 2009 | AZ | 14.0 | 68.9 | 2,058 | 1,006 | 0.6 | 49.1 | 110.4 | 110.7 | 88.6 | 42.5 | 8.9 | 0.8 |
| | U.S. | 13.5 | 66.7 | 2,007 | NA | 0.5 | 39.1 | 96.3 | 110.5 | 97.7 | 46.5 | 10.1 | 0.7 |
| 2010 | AZ | 13.6 | 68.9 | 2,058 | 1,011 | 0.5 | 41.6 | 104.3 | 116.1 | 94.4 | 44.4 | 9.7 | 0.7 |
| | U.S. | 13.0 | 64.1 | 1,931 | NA | 0.4 | 34.2 | 90.0 | 108.3 | 96.5 | 45.9 | 10.2 | 0.7 |
| 2011 | AZ | 13.2 | 67.0 | 2,001 | 976 | 0.5 | 36.9 | 101.4 | 112.3 | 94.0 | 44.2 | 10.3 | 0.2 |
| | U.S. | 12.7 | 63.2 | 1,894 | NA | 0.4 | 31.3 | 85.3 | 107.2 | 96.5 | 47.2 | 10.3 | 0.7 |
| 2012 | AZ | 13.2 | 67.2 | 2,018 | 984 | 0.3 | 35.4 | 100.1 | 116.4 | 94.6 | 459.0 | 10.3 | 0.6 |
| | U.S. | 12.6 | 63.0 | 1,881 | NA | 0.4 | 29.4 | 83.1 | 106.5 | 97.3 | 48.3 | 10.4 | 0.7 |
| 2013 | AZ | 12.9 | 66.0 | 1,981 | 963 | 0.3 | 31.3 | 96.7 | 118.4 | 93.0 | 46.4 | 9.8 | 0.1 |
| | U.S. | 12.5 | 62.5 | 1,870 | NA | 0.3 | 26.6 | 81.2 | 106.2 | 98.7 | 49.6 | 10.5 | 0.8 |
| 2014 | AZ | 13.0 | 66.7 | 1,986 | 968 | 0.2 | 29.9 | 90.7 | 117.6 | 98.1 | 49.7 | 10.1 | 0.9 |
| | U.S. | 12.5 | 62.9 | 1,863 | NA | 0.3 | 24.2 | 79.0 | 105.8 | 100.8 | 51.0 | 10.6 | 0.8 |
| 2015 | AZ | 12.6 | 64.8 | 1,924 | 938 | 0.2 | 26.3 | 86.6 | 115.4 | 95.9 | 48.9 | 10.5 | 0.9 |
| | U.S. | 12.5 | 62.5 | 1,843 | NA | 0.2 | 22.3 | 76.9 | 104.3 | 101.4 | 51.7 | 11.0 | 0.8 |
| 2016 | AZ | 12.3 | 63.9 | 1,895 | 930 | 0.2 | 23.7 | 84.2 | 112.9 | 98.2 | 48.7 | 10.2 | 0.8 |
| | U.S. | 12.4 | 62.0 | 1,818 | NA | 0.2 | 20.3 | 73.7 | 101.9 | 102.6 | 52.6 | 11.4 | 0.9 |
| 2017 | AZ | 11.7 | 61.1 | 1,805 | 888 | 0.2 | 21.9 | 78.9 | 105.6 | 94.9 | 47.8 | 10.6 | 1.1 |
| | U.S. | 12.2 | 60.3 | 1,764 | NA | 0.2 | 18.8 | 71.0 | 97.9 | 100.3 | 52.2 | 11.6 | 0.9 |
| 2018 | AZ | 11.4 | 59.4 | 1,750 | 854 | 0.1 | 20.1 | 76.0 | 100.3 | 93.6 | 48.0 | 11.1 | 0.9 |
| | U.S. | 11.6 | 59.1 | 1,728 | NA | 0.2 | 17.4 | 68.0 | 95.3 | 99.7 | 52.6 | 11.8 | 0.9 |
| 2019 | AZ | 11.0 | 57.4 | 1,688 | 823 | 0.2 | 18.5 | 71.2 | 97.5 | 92.3 | 46.4 | 10.7 | 0.7 |
| | U.S. | 11.6 | 58.2 | 1,705 | NA | 0.2 | 16.6 | 66.6 | 93.7 | 98.3 | 52.7 | 12.0 | 0.9 |

Notes: ^a The number of births per 1,000 population.

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

^c The total fertility rate (TFR) is the sum of age group specific birth rates multiplied by the number of years in the age group (five years in this case). This rate estimates the number of children a hypothetical cohort of 1,000 women would bear if they all went through their childbearing years experiencing the same age-specific birth rates for a specified time period. For example, the Arizona 2019 TFR of 1,688 can be interpreted at the individual level as the average number of children a female resident would have by age 50 ($1,688/1000 = 1.688$ live births) if she were subjected throughout her life to the age-specific birth rates observed in 2019.

^d The sums of birth rates by 5-year age groups multiplied by the proportion of births that were female. The gross reproduction rate represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years, and if none of the cohort was to die during her childbearing years. See Table 1B-2 for the annual proportions of births that were female in 2009-2019.

^e The number of births per 1,000 women in specified age group. For females under 15, the rate is calculated using the female population 10-14 years of age. For women over 44, the rate is calculated using the female population 45-49 years of age.

^f The U.S. rates are from the National Center for Health Statistics:

<https://www.cdc.gov/nchs/nvss/vsrr/natalty-dashboard.htm#>